

GORDIAN[®]

Job Order Contract Construction Task Catalog[®]

CSI Division 01-43 November 2023

**County of San Mateo
Hazardous Materials**



This Page Intentionally Left Blank

00 Using The Construction Task Catalog®	1
01 General Requirements	1
01 20 Price and Payment Procedures.....	1
01 22 Unit Prices.....	1
01 30 Administrative Requirements.....	36
01 31 Project Management and Coordination.....	36
01 35 Special Procedures.....	37
01 40 Quality Requirements.....	37
01 41 Regulatory Requirements.....	37
01 42 References.....	37
01 45 Quality Control.....	37
01 50 Temporary Facilities and Controls.....	40
01 51 Temporary Utilities.....	40
01 52 Construction Facilities.....	41
01 53 Temporary Construction.....	42
01 54 Construction Aids.....	43
01 55 Vehicular Access and Parking.....	44
01 56 Temporary Barriers and Enclosures.....	51
01 57 Temporary Controls.....	59
01 58 Project Identification.....	60
01 60 Product Requirements.....	60
01 66 Product Storage and Handling Requirements.....	60
01 70 Execution and Closeout Requirements.....	61
01 71 Examination and Preparation.....	61
01 74 Cleaning and Waste Management.....	65
02 Existing Conditions	1
02 20 Assessment.....	1
02 25 Existing Material Assessment.....	1
02 30 Subsurface Investigation.....	1
02 32 Geotechnical Investigations.....	1
02 40 Demolition and Structure Moving.....	2
02 41 Demolition.....	2
02 42 Removal and Salvage of Construction Materials.....	20
02 43 Structure Moving.....	20
02 50 Site Remediation.....	21
02 58 Snow Control.....	21
02 60 Contaminated Site Material Removal.....	21
02 61 Removal and Disposal of Contaminated Soils.....	21
02 65 Underground Storage Tank Removal.....	21
02 80 Facility Remediation.....	24
02 81 Transportation and Disposal of Hazardous Materials.....	24
02 82 Asbestos Remediation.....	25
02 83 Lead Remediation.....	34
02 84 Polychlorinated Biphenyl Remediation.....	39
02 87 Bio-Hazard Material Remediation.....	39
02 89 Hazmat Ancillary Tasks and Support.....	48
02 90 Disaster Recovery.....	48
02 90 50 Cleaning and Disaster Clean-up.....	48
02 90 55 Emergency Clean-up.....	53
03 Concrete	1
03 01 Maintenance of Concrete.....	1
03 01 30 Maintenance of Cast-In-Place Concrete.....	1
03 05 Common Work Results For Concrete.....	3
03 05 13 Concrete Admixtures.....	3
03 10 Concrete Forming and Accessories.....	3
03 11 Concrete Forming.....	3
03 15 Concrete Accessories.....	7
03 20 Concrete Reinforcing.....	16
03 21 Reinforcement Bars.....	16
03 22 Fabric and Grid Reinforcing.....	45

Table of Contents

03 30 Cast-In-Place Concrete.....	46
03 30 53 Miscellaneous Cast-in-Place Concrete	46
03 31 Structural Concrete	47
03 35 Concrete Finishing	63
03 37 Specialty Placed Concrete	66
03 39 Concrete Curing	67
03 40 Precast Concrete	68
03 41 Precast Structural Concrete	68
03 48 Precast Concrete Specialties	77
03 50 Cast Decks and Underlayment	80
03 51 Cast Roof Decks	80
03 53 Concrete Topping.....	80
03 54 Cast Underlayment.....	81
03 60 Grouting	81
03 61 Cementitious Grouting.....	81
03 62 Non-Shrink Grouting.....	81
03 64 Injection Grouting	82
03 80 Concrete Cutting and Boring.....	82
03 81 Concrete Cutting	82
03 82 Concrete Boring	82

04 Masonry 1

04 01 Maintenance of Masonry.....	1
04 01 20 Maintenance of Unit Masonry.....	1
04 01 50 Maintenance of Refractory Masonry	10
04 05 Common Work Results for Masonry	10
04 05 13 Masonry Mortaring	10
04 05 16 Masonry Grouting.....	11
04 05 19 Masonry Anchorage and Reinforcing	11
04 05 23 Masonry Accessories	37
04 20 Unit Masonry.....	39
04 21 Clay Unit Masonry	39
04 22 Concrete Unit Masonry.....	43
04 23 Glass Unit Masonry.....	47
04 40 Stone Assemblies	47
04 41 Dry-Placed Stone	47
04 42 Exterior Stone Cladding	48
04 43 Stone Masonry	48
04 50 Refractory Masonry.....	49
04 51 Flue Liner Masonry.....	49
04 70 Manufactured Masonry	50
04 72 Cast Stone Masonry.....	50

05 Metals 1

05 05 Common Work Results for Metals	1
05 05 19 Post-Installed Concrete Anchors.....	1
05 05 21 Fastening Methods for Metal.....	12
05 05 23 Metal Fastenings	13
05 10 Structural Metal Framing.....	78
05 12 Structural Steel Framing.....	78
05 13 Structural Stainless-Steel Framing	139
05 14 Structural Aluminum Framing	140
05 15 Wire Rope Assemblies	141
05 20 Metal Joists	147
05 21 Steel Joist Framing.....	147
05 30 Metal Decking	147
05 31 Steel Decking	147
05 36 Composite Metal Decking	151
05 40 Cold-Formed Metal Framing	154
05 41 Structural Metal Stud Framing.....	154
05 42 Cold-Formed Metal Joist Framing.....	156
05 43 Slotted Channel Framing.....	156
05 45 Metal Support Assemblies.....	158
05 50 Metal Fabrications.....	158
05 51 Metal Stairs	158
05 52 Metal Railings.....	160
05 53 Metal Gratings.....	169

05 54 Metal Floor Plates	176
05 55 Metal Stair Treads and Nosings	177
05 56 Metal Castings	178
05 58 Formed Metal Fabrications	178
05 59 Metal Specialties	180
05 70 Decorative Metal	188
05 71 Decorative Metal Stairs	188
05 73 Decorative Metal Railings	188
05 75 Decorative Formed Metal	189

06 Wood, Plastics, and Composites 1

06 01 Maintenance of Wood, Plastics, and Composites	1
06 01 20 Maintenance of Finish Carpentry	1
06 01 40 Maintenance of Architectural Woodwork	1
06 05 Common Work Results for Wood, Plastics, and Composites	1
06 05 23 Wood, Plastic, and Composite Fastenings	1
06 05 73 Wood Treatment	23
06 10 Rough Carpentry	24
06 11 Wood Framing	24
06 13 Heavy Timber Construction	29
06 15 Wood Decking	30
06 16 Sheathing	33
06 17 Shop-Fabricated Structural Wood	39
06 18 Glued-Laminated Construction	45
06 20 Finish Carpentry	46
06 22 Millwork	46
06 25 Prefinished Paneling	48
06 40 Architectural Woodwork	48
06 41 Architectural Wood Casework	48
06 42 Wood Paneling	63
06 43 Wood Stairs and Railings	66
06 44 Ornamental Woodwork	68
06 46 Wood Trim	69
06 48 Wood Frames	87
06 49 Wood Screens and Exterior Wood Shutters	88
06 50 Structural Plastics	88
06 51 Structural Plastic Shapes and Plates	88
06 52 Plastic Structural Assemblies	94
06 53 Plastic Decking	95
06 60 Plastic Fabrications	95
06 65 Plastic Trim	95
06 70 Structural Composites	96
06 74 Composite Gratings	96
06 80 Composite Fabrications	98
06 82 Composite Trim	98
06 83 Composite Paneling	100

07 Thermal And Moisture Protection 1

07 01 Operation and Maintenance of Thermal and Moisture Protection	1
07 01 50 Maintenance of Membrane Roofing	1
07 05 Common Work Results for Thermal and Moisture Protection	1
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work	1
07 10 Dampproofing and Waterproofing	1
07 11 Dampproofing	2
07 13 Sheet Waterproofing	2
07 14 Fluid-Applied Waterproofing	3
07 16 Cementitious and Reactive Waterproofing	4
07 17 Bentonite Waterproofing	4
07 18 Traffic Coatings	4
07 19 Water Repellents	6
07 20 Thermal Protection	6
07 21 Thermal Insulation	6
07 22 Roof and Deck Insulation	18
07 24 Exterior Insulation and Finish Systems	45
07 25 Weather Barriers	48
07 26 Vapor Retarders	48
07 27 Air Barriers	48

Table of Contents

07 30 Steep Slope Roofing	48
07 31 Shingles and Shakes	48
07 32 Roof Tiles	53
07 34 Roofing Underlayment	55
07 40 Roofing and Siding Panels	56
07 41 Roof Panels	57
07 42 Wall Panels	60
07 46 Siding	61
07 50 Membrane Roofing	65
07 51 Built-Up Bituminous Roofing	65
07 52 Modified Bituminous Membrane Roofing	74
07 53 Elastomeric Membrane Roofing	83
07 54 Thermoplastic Membrane Roofing	87
07 56 Fluid-Applied Roofing	91
07 57 Coated Foamed Roofing	92
07 58 Roll Roofing	94
07 59 Membrane Roofing Termination Bar	94
07 60 Flashing and Sheet Metal	94
07 61 Sheet Metal Roofing	94
07 62 Sheet Metal Flashing and Trim	97
07 63 Sheet Metal Roofing Specialties	102
07 65 Flexible Flashing	103
07 70 Roof and Wall Specialties and Accessories	104
07 71 Roof Specialties	104
07 72 Roof Accessories	132
07 73 Roof Protection Board	156
07 76 Roof Pavers	158
07 80 Fire and Smoke Protection	159
07 81 Applied Fireproofing	159
07 84 Firestopping	160
07 90 Joint Protection	166
07 91 Preformed Joint Seals	166
07 92 Joint Sealants	168
07 95 Expansion Control	172

08 Openings

1

08 01 Operation and Maintenance of Openings	1
08 01 10 Operation and Maintenance of Doors and Frames	1
08 01 50 Operation and Maintenance of Windows	1
08 01 80 Maintenance of Glazing	1
08 05 Common Work Results for Openings	1
08 05 13 Door Options and Modifications	1
08 10 Doors and Frames	3
08 11 Metal Doors and Frames	3
08 12 Metal Frames	3
08 13 Metal Doors	25
08 14 Wood Doors	48
08 15 Plastic Doors	107
08 16 Composite Doors	107
08 17 Integrated Door Opening Assemblies	112
08 18 Glass Doors	115
08 30 Specialty Doors and Frames	116
08 31 Access Doors and Panels	116
08 33 Coiling Doors and Grilles	117
08 34 Special Function Doors	154
08 36 Panel Doors	164
08 38 Traffic Doors	172
08 40 Entrances, Storefronts, and Curtain Walls	188
08 42 Entrances	188
08 43 Storefronts	193
08 44 Curtain Wall and Glazed Assemblies	197
08 45 Translucent Wall and Roof Assemblies	199
08 50 Windows	199
08 51 Metal Windows	200
08 52 Wood Windows	215
08 53 Plastic Windows	252
08 56 Special Function Windows	280
08 60 Roof Windows and Skylights	283

08 62 Unit Skylights	283
08 63 Metal-Framed Skylights	288
08 66 Wood-Framed Skylights	294
08 70 Hardware	295
08 71 Door Hardware	295
08 72 Weatherstripping, Thresholds and Seals	378
08 75 Window Hardware	390
08 78 Special Function Hardware	390
08 79 Hardware Accessories	390
08 80 Glazing	390
08 81 Glass Glazing	390
08 83 Mirrors	403
08 84 Plastic Glazing	403
08 85 Glazing Accessories	405
08 87 Glazing Surface Films	405
08 88 Special Function Glazing	406
08 90 Louvers and Vents	408
08 91 Louvers	408
08 95 Vents	440
09 Finishes	1
09 01 Maintenance of Finishes	1
09 01 20 Maintenance of Plaster and Gypsum Board	1
09 01 30 Maintenance of Tiling	1
09 01 60 Maintenance of Flooring	1
09 01 80 Maintenance of Acoustic Treatment	2
09 01 90 Maintenance of Painting and Coating	2
09 05 Common Work Results for Finishes	7
09 05 61 Common Work Results for Flooring Preparation	7
09 05 71 Acoustic Underlayment	7
09 20 Plaster and Gypsum Board	8
09 22 Supports for Plaster and Gypsum Board	8
09 23 Gypsum Plastering	17
09 24 Cement Plastering	18
09 28 Backing Boards and Underlayments	19
09 29 Gypsum Board	20
09 30 Tiling	28
09 30 13 Ceramic Tiling	28
09 30 16 Quarry Tiling	29
09 30 33 Stone Tiling	29
09 31 Thin-Set Tiling	34
09 32 Mortar-Bed Tiling	34
09 34 Waterproofing-Membrane Tiling	34
09 35 Chemical-Resistant Tiling	35
09 39 Tiling Transitions	35
09 50 Ceilings	36
09 51 Acoustical Ceilings	36
09 53 Acoustical Ceiling Suspension Assemblies	51
09 54 Specialty Ceilings	53
09 57 Special Function Ceilings	54
09 60 Flooring	54
09 61 Flooring Treatment	54
09 63 Masonry Flooring	54
09 64 Wood Flooring	55
09 65 Resilient Flooring	58
09 66 Terrazzo Flooring	65
09 67 Fluid-Applied Flooring	68
09 68 Carpeting	69
09 69 Access Flooring	81
09 70 Wall Finishes	81
09 72 Wall Coverings	81
09 73 Wall Carpeting	82
09 74 Flexible Wood Sheets	82
09 77 Special Wall Surfacing	82
09 80 Acoustic Treatment	83
09 81 Acoustic Insulation	83
09 84 Acoustic Room Components	83
09 90 Painting and Coating	84

Table of Contents

09 91 Painting	84
09 93 Staining and Transparent Finishing.....	192
09 96 High-Performance Coatings	194
09 97 Special Coatings	197

10 Specialties 1

10 01 Operation and Maintenance of Specialties	1
10 01 40 Operation and Maintenance of Safety Specialties	1
10 01 50 Operation and Maintenance of Storage Specialties	1
10 10 Information Specialties.....	1
10 11 Visual Display Units.....	1
10 12 Display Cases	8
10 13 Directories	8
10 14 Signage	11
10 17 Telephone Specialties	38
10 20 Interior Specialties	38
10 21 Compartments and Cubicles	39
10 22 Partitions	64
10 26 Wall and Door Protection	68
10 28 Toilet, Bath, and Laundry Accessories	79
10 40 Safety Specialties	89
10 41 Emergency Access And Information Cabinets	89
10 44 Fire Protection Specialties	90
10 50 Storage Specialties	95
10 51 Lockers.....	95
10 55 Postal Specialties	109
10 56 Storage Assemblies	110
10 57 Wardrobe And Closet Specialties.....	113
10 70 Exterior Specialties	113
10 71 Exterior Protection	113
10 73 Protective Covers	123
10 75 Flagpoles.....	124
10 80 Other Specialties.....	127
10 81 Pest Control Devices.....	127
10 86 Security Mirrors And Domes	128

11 Equipment 1

11 01 Operation and Maintenance of Equipment	1
11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment.....	1
11 10 Vehicle and Pedestrian Equipment.....	1
11 11 Vehicle Service Equipment	1
11 12 Parking Control Equipment	2
11 13 Loading Dock Equipment	3
11 14 Pedestrian Control Equipment	8
11 20 Commercial Equipment.....	10
11 21 Retail and Service Equipment	10
11 30 Residential Equipment.....	11
11 30 13 Residential Appliances	11
11 30 33 Retractable Stairs	14
11 32 Unit Kitchens	15
11 40 Foodservice Equipment	16
11 41 Foodservice Storage Equipment	16
11 42 Food Preparation Equipment	36
11 44 Food Cooking Equipment.....	38
11 46 Food Dispensing Equipment	46
11 48 Foodservice Cleaning and Disposal Equipment.....	52
11 50 Educational and Scientific Equipment.....	52
11 52 Audio-Visual Equipment.....	52
11 53 Laboratory Equipment	60
11 60 Entertainment and Recreation Equipment.....	60
11 66 Athletic Equipment	60
11 68 Play Field Equipment and Structures	61
11 70 Healthcare Equipment	64
11 73 Patient Care Equipment	64
11 80 Facility Maintenance and Operation Equipment	64
11 81 Maintenance Equipment.....	64
11 82 Facility Solid Waste Handling Equipment.....	65

11 90 Other Equipment	66
11 98 Detention Equipment	66

12 Furnishings 1

12 01 Operation and Maintenance of Furnishings	1
12 01 60 Operation and Maintenance of Multiple Seating	1
12 20 Window Treatments	1
12 21 Window Blinds	1
12 22 Curtains and Drapes	1
12 23 Interior Shutters	3
12 24 Window Shades	5
12 25 Window Treatment Operating Hardware	5
12 30 Casework	5
12 31 Manufactured Metal Casework	5
12 35 Specialty Casework	10
12 36 Countertops	11
12 40 Furnishings and Accessories	12
12 41 Office Accessories	12
12 48 Rugs and Mats	12
12 50 Furniture	13
12 55 Detention Furniture	13
12 59 Systems Furniture	15
12 60 Multiple Seating	18
12 61 Fixed Audience Seating	18
12 62 Portable-Audience Seating	20

13 Special Construction 1

13 10 Special Facility Components	1
13 11 Swimming Pools	1
13 12 Fountains	1
13 20 Special Purpose Rooms	2
13 21 Controlled Environment Rooms	2
13 30 Special Structures	2
13 34 Fabricated Engineered Structures	2
13 40 Integrated Construction	22
13 42 Building Modules	22
13 46 Lightning Protection Systems	22
13 47 Facility Protection	23
13 48 Sound, Vibration, and Seismic Control	24
13 49 Radiation Protection	25

14 Conveying Equipment 1

14 01 Operation and Maintenance of Conveying Equipment	1
14 01 20 Operation and Maintenance of Elevators	1
14 01 30 Operation and Maintenance of Escalators and Moving Walks	3
14 20 Elevators	3
14 21 Electric Traction Elevators	3
14 24 Hydraulic Elevators	5
14 26 Limited-Use/Limited-Application Elevators	10
14 27 Custom Elevator Cabs and Doors	10
14 28 Elevator Equipment and Controls	10
14 30 Escalators and Moving Walks	11
14 31 Escalators	11
14 32 Moving Walks	11
14 40 Lifts	11
14 42 Wheelchair Lifts	11
14 90 Other Conveying Equipment	12
14 91 Facility Chutes	12
14 92 Pneumatic Tube Systems	12

21 Fire Suppression 1

21 01 Operation and Maintenance of Fire Suppression	1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems	1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment	1
21 05 Common Work Results for Fire Suppression	1

Table of Contents

21 05 13 Common Motor Requirements for Fire-Suppression Equipment	1
21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping.....	1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping.....	2
21 05 19 Meters and Gages for Fire-Suppression Systems	2
21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping.....	2
21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment.....	4
21 05 33 Heat Tracing for Fire-Suppression Piping	4
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment	4
21 05 53 Identification for Fire-Suppression Piping and Equipment	4
21 07 Fire-Suppression Systems Insulation	4
21 07 16 Fire-Suppression Equipment Insulation	4
21 07 19 Fire-Suppression Piping Insulation.....	4
21 10 Water-Based Fire-Suppression Systems.....	4
21 11 Facility Fire-Suppression Water-Service Piping	4
21 12 Fire-Suppression Standpipes	5
21 13 Fire-Suppression Sprinkler Systems	6
21 20 Fire-Extinguishing Systems	34
21 21 Carbon-Dioxide Fire-Extinguishing Systems.....	34
21 22 Clean-Agent Fire-Extinguishing Systems.....	34
21 23 Wet-Chemical Fire-Extinguishing Systems	43
21 24 Dry-Chemical Fire-Extinguishing Systems	46
21 30 Fire Pumps.....	48
21 31 Centrifugal Fire Pumps.....	48

22 Plumbing 1

22 01 Operation and Maintenance of Plumbing.....	1
22 01 10 Operation and Maintenance of Plumbing Piping and Pumps.....	1
22 01 40 Operation and Maintenance of Plumbing Fixtures	1
22 05 Common Work Results for Plumbing.....	2
22 05 13 Common Motor Requirements for Plumbing Equipment.....	2
22 05 16 Expansion Fittings and Loops for Plumbing Piping.....	2
22 05 17 Sleeves and Sleeve Seals for Plumbing Piping	2
22 05 19 Meters and Gages for Plumbing Piping.....	2
22 05 23 General-Duty Valves for Plumbing Piping	2
22 05 29 Hangers and Supports for Plumbing Piping and Equipment.....	6
22 05 33 Heat Tracing for Plumbing Piping.....	6
22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment.....	6
22 05 53 Identification for Plumbing Piping and Equipment.....	6
22 05 76 Facility Drainage Piping Cleanouts	6
22 07 Plumbing Insulation.....	9
22 07 16 Plumbing Equipment Insulation.....	9
22 07 19 Plumbing Piping Insulation.....	9
22 10 Plumbing Piping	41
22 11 Facility Water Distribution.....	41
22 12 Facility Potable-Water Storage Tanks.....	102
22 13 Facility Sanitary Sewerage.....	104
22 14 Facility Storm Drainage	152
22 15 General Service Compressed-Air Systems	162
22 30 Plumbing Equipment.....	165
22 31 Domestic Water Softeners	165
22 32 Domestic Water Filtration Equipment.....	167
22 33 Electric Domestic Water Heaters	168
22 34 Fuel-Fired Domestic Water Heaters.....	171
22 35 Domestic Water Heat Exchangers	174
22 40 Plumbing Fixtures	174
22 41 Residential Plumbing Fixtures	175
22 42 Commercial Plumbing Fixtures	175
22 43 Healthcare Plumbing Fixtures	190
22 45 Emergency Plumbing Fixtures	191
22 46 Security Plumbing Fixtures.....	195
22 47 Drinking Fountains and Water Coolers	196
22 50 Pool and Fountain Plumbing Systems	200
22 51 Swimming Pool Plumbing Systems.....	200
22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities.....	201
22 63 Gas Systems for Laboratory and Healthcare Facilities	201
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities	201

23 Heating, Ventilating, and Air-Conditioning (HVAC)	1
23 01 Operation and Maintenance of HVAC Systems	1
23 01 10 Operation and Maintenance of Facility Fuel Systems	1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps	1
23 01 30 Operation and Maintenance of HVAC Air Distribution	4
23 01 50 Operation and Maintenance of Central Heating Equipment	4
23 01 60 Operation and Maintenance of Central Cooling Equipment	6
23 05 Common Work Results for HVAC	6
23 05 13 Common Motor Requirements for HVAC Equipment	6
23 05 16 Expansion Fittings and Loops for HVAC Piping	9
23 05 17 Sleeves and Sleeve Seals for HVAC Piping	10
23 05 19 Meters and Gages for HVAC Piping	11
23 05 23 General-Duty Valves For HVAC Piping	14
23 05 29 Hangers and Supports for HVAC Piping and Equipment	38
23 05 33 Heat Tracing for HVAC Piping	67
23 05 48 Vibration and Seismic Controls for HVAC	67
23 05 53 Identification for HVAC Piping and Equipment	71
23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment	72
23 05 93 Testing, Adjusting, and Balancing for HVAC	74
23 07 HVAC Insulation	76
23 07 13 Duct Insulation	76
23 07 16 HVAC Equipment Insulation	78
23 07 19 HVAC Piping Insulation	78
23 08 Commissioning of HVAC	81
23 09 Instrumentation and Control for HVAC	81
23 09 23 Direct-Digital Control System for HVAC	81
23 09 43 Pneumatic Control System For HVAC	98
23 10 Facility Fuel Systems	99
23 11 Facility Fuel Piping	99
23 12 Facility Fuel Pumps	111
23 13 Facility Fuel-Storage Tanks	112
23 20 HVAC Piping and Pumps	120
23 21 Hydronic Piping and Pumps	120
23 22 Steam and Condensate Piping and Pumps	209
23 23 Refrigerant Piping	214
23 25 HVAC Water Treatment	219
23 30 HVAC Air Distribution	219
23 31 HVAC Ducts and Casings	219
23 33 Air Duct Accessories	310
23 34 HVAC Fans	355
23 35 Special Exhaust Systems	371
23 36 Air Terminal Units	374
23 37 Air Outlets and Inlets	376
23 38 Ventilation Hoods	392
23 40 HVAC Air Cleaning Devices	394
23 41 Particulate Air Filtration	394
23 42 Gas-Phase Air Filtration	400
23 43 Electronic Air Cleaners	401
23 50 Central Heating Equipment	401
23 51 Breechings, Chimneys, and Stacks	401
23 52 Heating Boilers	423
23 53 Heating Boiler Feedwater Equipment	440
23 54 Furnaces	441
23 55 Fuel-Fired Heaters	444
23 57 Heat Exchangers for HVAC	445
23 60 Central Cooling Equipment	446
23 61 Refrigerant Compressors	447
23 62 Packaged Compressor and Condenser Units	448
23 63 Refrigerant Condensers	449
23 64 Packaged Water Chillers	451
23 65 Cooling Towers	455
23 70 Central HVAC Equipment	460
23 71 Thermal Storage	460
23 72 Air-To-Air Energy Recovery Equipment	461
23 73 Indoor Central-Station Air-Handling Units	461
23 74 Packaged Outdoor HVAC Equipment	480
23 76 Evaporative Air-Cooling Equipment	487
23 80 Decentralized Unitary HVAC Equipment	488

Table of Contents

23 81 Decentralized Unitary HVAC Equipment.....	488
23 82 Convection Heating and Cooling Units.....	501
23 83 Radiant Heating Units.....	517
23 84 Humidity Control Equipment.....	517

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems.....	1
26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution.....	1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution.....	2
26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment.....	2
26 01 50 Operation and Maintenance of Lighting.....	2
26 05 Common Work Results for Electrical.....	19
26 05 13 Medium-Voltage Cables.....	19
26 05 19 Low-Voltage Electrical Power Conductors and Cables.....	24
26 05 23 Control-Voltage Electrical Power Cables.....	41
26 05 26 Grounding and Bonding for Electrical Systems.....	41
26 05 29 Hangers and Supports for Electrical Systems.....	45
26 05 33 Raceway and Boxes for Electrical Systems.....	66
26 05 36 Cable Trays for Electrical Systems.....	294
26 05 39 Underfloor Raceways for Electrical Systems.....	382
26 05 43 Underground Ducts and Raceways for Electrical Systems.....	383
26 05 46 Utility Poles for Electrical Systems.....	385
26 05 53 Identification for Electrical Systems.....	390
26 05 83 Wiring Connections.....	391
26 09 Instrumentation and Control for Electrical Systems.....	394
26 09 23 Lighting Control Devices.....	394
26 10 Medium-Voltage Electrical Distribution.....	413
26 11 Substations.....	413
26 12 Medium-Voltage Transformers.....	420
26 13 Medium-Voltage Switchgear.....	424
26 18 Medium-Voltage Circuit Protection Devices.....	427
26 19 High-Voltage Circuit Protection.....	427
26 20 Low-Voltage Electrical Distribution.....	430
26 21 Low-Voltage Electrical Service Entrance.....	430
26 22 Low-Voltage Transformers.....	431
26 24 Switchboards and Panelboards.....	438
26 25 Enclosed Bus Assemblies.....	483
26 27 Low-Voltage Distribution Equipment.....	487
26 28 Low-Voltage Circuit Protective Devices.....	505
26 29 Low-Voltage Controllers.....	534
26 30 Facility Electrical Power Generating and Storing Equipment.....	551
26 31 Photovoltaic Collectors.....	551
26 32 Packaged Generator Assemblies.....	555
26 33 Battery Equipment.....	560
26 35 Power Filters and Conditioners.....	563
26 36 Transfer Switches.....	563
26 40 Electrical And Cathodic Protection.....	566
26 43 Surge Protective Devices.....	566
26 50 Lighting.....	570
26 51 Interior Lighting.....	570
26 52 Safety Lighting.....	617
26 54 Classified Location Lighting.....	622
26 55 Special Purpose Lighting.....	625
26 56 Exterior Lighting.....	638

27 Communications 1

27 05 Common Work Results for Communications.....	1
27 05 26 Grounding and Bonding for Communications Systems.....	1
27 05 29 Hangers and Supports for Communications Systems.....	1
27 05 33 Conduits and Backboxes for Communications Systems.....	4
27 05 36 Cable Trays for Communications Systems.....	4
27 05 39 Surface Raceways for Communications Systems.....	4
27 05 43 Underground Ducts and Raceways for Communications Systems.....	4
27 05 46 Utility Poles for Communications Systems.....	4
27 05 53 Identification for Communications Systems.....	4
27 10 Structured Cabling.....	4
27 11 Communications Equipment Room Fittings.....	4

27 13 Communications Backbone Cabling.....	10
27 15 Communications Horizontal Cabling.....	12
27 16 Communications Connecting Cords, Devices, and Adapters.....	53
27 20 Data Communications.....	54
27 21 Data Communications Network Equipment.....	54
27 30 Voice Communications.....	58
27 31 Voice Communications Switching and Routing Equipment.....	58
27 32 Voice Communications Terminal Equipment.....	58
27 40 Audio-Video Communications.....	59
27 41 Audio-Video Systems.....	59
27 50 Distributed Communications and Monitoring Systems.....	60
27 51 Distributed Audio-Video Communications Systems.....	60
27 52 Healthcare Communications and Monitoring Systems.....	61
27 53 Distributed Systems.....	62
28 Electronic Safety and Security	1
28 05 Common Work Results for Electronic Safety and Security.....	1
28 05 26 Grounding and Bonding for Electronic Safety and Security.....	1
28 05 53 Identification for Electronic Safety and Security.....	1
28 10 Access Control.....	1
28 15 Integrated Access Control Hardware Devices.....	1
28 16 Access Control Interfaces.....	1
28 18 Security Access Detection Equipment.....	7
28 20 Video Surveillance.....	7
28 21 Surveillance Cameras.....	7
28 40 Life Safety.....	26
28 42 Gas Detection and Alarm.....	26
28 43 Fuel Oil Detection and Alarm.....	26
28 46 Fire Detection and Alarm.....	26
28 47 Mass Notification.....	72
28 49 Electronic Personal Protection Systems.....	75
31 Earthwork	1
31 01 Maintenance of Earthwork.....	1
31 01 20 Maintenance of Earth Moving.....	1
31 05 Common Work Results for Earthwork.....	1
31 05 13 Soils for Earthwork.....	1
31 05 16 Aggregates for Earthwork.....	2
31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization.....	4
31 10 Site Clearing.....	4
31 11 Clearing and Grubbing.....	4
31 13 Selective Tree and Shrub Removal and Trimming.....	4
31 20 Earth Moving.....	6
31 23 Excavation and Fill.....	6
31 24 Embankments.....	14
31 25 Erosion and Sedimentation Controls.....	15
31 30 Earthwork Methods.....	19
31 31 Soil Treatment.....	19
31 32 Soil Stabilization.....	19
31 35 Slope Protection.....	29
31 36 Gabions.....	29
31 37 Riprap.....	29
31 40 Shoring and Underpinning.....	29
31 41 Shoring.....	29
31 43 Concrete Raising.....	30
31 45 Vibroflotation and Densification.....	30
31 48 Underpinning.....	30
31 50 Excavation Support and Protection.....	31
31 52 Cofferdams.....	31
31 60 Special Foundations and Load-bearing Elements.....	31
31 62 Driven Piles.....	31
31 63 Bored Piles.....	35
31 64 Caissons.....	37
31 68 Foundation Anchors.....	41
32 Exterior Improvements	1

Table of Contents

32 01 Operation and Maintenance of Exterior Improvements	1
32 01 11 Paving Cleaning	1
32 01 13 Flexible Paving Surface Treatment	1
32 01 16 Flexible Paving Rehabilitation	3
32 01 17 Flexible Paving Repair	4
32 01 26 Rigid Paving Rehabilitation	6
32 01 29 Rigid Paving Repair	6
32 01 90 Operation and Maintenance of Planting	7
32 10 Bases, Ballasts, and Paving	10
32 11 Base Courses	10
32 12 Flexible Paving	11
32 13 Rigid Paving	18
32 14 Unit Paving	22
32 15 Aggregate Surfacing	25
32 16 Curbs, Gutters, Sidewalks, and Driveways	25
32 17 Paving Specialties	31
32 18 Athletic and Recreational Surfacing	43
32 30 Site Improvements	51
32 31 Fences and Gates	51
32 32 Retaining Walls	132
32 33 Site Furnishings	138
32 39 Manufactured Site Specialties	143
32 80 Irrigation	145
32 84 Planting Irrigation	145
32 90 Planting	161
32 91 Planting Preparation	162
32 92 Turf and Grasses	165
32 93 Plants	169
32 94 Planting Accessories	203
32 96 Transplanting	205

33 Utilities 1

33 01 Operation and Maintenance of Utilities	1
33 01 10 Operation and Maintenance of Water Utilities	1
33 01 30 Operation and Maintenance of Sewer Utilities	4
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems	84
33 01 70 Operation and Maintenance of Electrical Utilities	84
33 05 Common Work Results for Utilities	87
33 05 07 Trenchless Installation of Utility Piping	87
33 05 09 Piping Specials for Utilities	89
33 05 16 Cast-Iron Utility Pipe	89
33 05 17 Copper Utility Pipe and Tubing	89
33 05 19 Ductile-Iron Utility Pipe	89
33 05 24 Steel Utility Pipe	89
33 05 27 Corrugated Metal Utility Pipe	89
33 05 31 Thermoplastic Utility Pipe	89
33 05 33 Polyethylene Utility Pipe	89
33 05 39 Concrete Pipe	90
33 05 41 Vitrified Clay Utility Pipe	90
33 05 61 Concrete Manholes	90
33 05 63 Concrete Vaults and Chambers	92
33 05 81 Metallic Castings for Utility Structures	101
33 05 83 Non-Metallic Accessories for Utility Structures	101
33 05 84 Accessories for Utility Structures	102
33 05 97 Identification and Signage for Utilities	104
33 10 Water Utilities	104
33 11 Groundwater Sources	104
33 14 Water Utility Transmission and Distribution	113
33 16 Water Utility Storage Tanks	199
33 19 Water Utility Metering Equipment	199
33 30 Sanitary Sewerage Utilities	200
33 31 Sanitary Sewerage Piping	200
33 32 Sanitary Sewerage Equipment	206
33 34 Onsite Wastewater Disposal	206
33 40 Stormwater Utilities	208
33 41 Subdrainage	208
33 42 Stormwater Conveyance	211
33 44 Storm Utility Water Drains	271

33 46 Stormwater Management	272
33 50 Hydrocarbon Utilities	274
33 52 Hydrocarbon Transmission and Distribution	274
33 53 Hydrocarbon Utility Pressure Regulation	277
33 56 Hydrocarbon Storage	277
33 59 Hydrocarbon Utility Metering	277
33 60 Hydronic and Steam Energy Utilities	278
33 61 Hydronic Energy Distribution	278
33 70 Electrical Utilities	298
33 71 Electrical Utility Transmission and Distribution	298
34 Transportation	1
34 40 Transportation Signaling and Control Equipment	1
34 41 Roadway Signaling and Control Equipment	1
34 70 Transportation Construction and Equipment	9
34 71 Roadway Construction	9
35 Waterway and Marine Construction	1
35 01 Operation and Maintenance of Waterway and Marine Construction	1
35 01 70 Operation and Maintenance of Dams	1
35 05 Common Work Results for Waterway and Marine Construction	1
35 05 70 Common Work Results for Dams	1
35 20 Waterway and Marine Construction and Equipment	1
35 22 Hydraulic Gates	1
35 24 Dredging	4
40 Process Interconnections	1
40 05 Common Work Results For Process Interconnections	1
40 05 19 Ductile Iron Process Pipe	1
40 05 23 Stainless Steel Process Pipe and Tubing	231
40 05 41 Glass Process Pipe	264
41 Material Processing and Handling Equipment	1
41 01 Operation and Maintenance of Material Processing and Handling Equipment	1
41 01 20 Operation and Maintenance of Piece Material Handling Equipment	1
41 20 Piece Material Handling Equipment	1
41 22 Cranes and Hoists	1
43 Process Gas and Liquid Handling, Purification, and Storage Equipment	1
43 20 Liquid Handling Equipment	1
43 23 Dry Location Liquid Pumps	1
43 24 Suspended Liquid Pumps	1
43 40 Gas and Liquid Storage	1
43 42 Pressurized Tanks And Vessels	1

THIS PAGE INTENTIONALLY LEFT BLANK

CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **County of San Mateo**, priced locally using current labor, material and equipment costs, and published in November 2023.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of San Mateo**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



MasterFormat® is produced jointly by CSI and Construction Specifications Canada (CSC). U.S. copyright is held by CSI and Canadian copyright by CSC. All Rights Reserved. For license information, contact CSI at csi@csinet.org. For more information on MasterFormat visit www.MasterFormat.com

The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.

November 2023

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

copyright © 2023 The Gordian Group, Inc.

Using The Construction Task Catalog®

- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a

separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).

- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order and
 - project office staff and equipment.
- ☑ Profit.
- ☑ Subcontractor's overhead and profit.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Employee or Subcontractor's wage rates that exceed the prevailing wage rates.

- ☑ Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- ☑ Services required to obtain filings and permits.
- ☑ Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Office trailer and portable toilets for Contractor's use.
- ☑ Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- ☑ Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner security requirements.
- ☑ Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).

- ☑ Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- ☑ Daily clean-up.
- ☑ Final professional project clean-up.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Costs resulting from productivity loss.
- ☑ Differences in project size; complexity and location.
- ☑ All costs for other than discreet items of work specifically required to complete a particular Job Order.

PRICE VARIATIONS:

- ☑ Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- ☑ While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- ☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

Using The Construction Task Catalog®

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
-------------------------	---	---	---	-------------------------------------

- ☑ No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls.

ASSEMBLIES:

- ☑ Assembly unit prices take precedence over individual component pricing.

TESTING:

- ☑ Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

MISCELLANEOUS:

- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names,

trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** -

November 2023

Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170

copyright © 2023 The Gordian Group, Inc.

Using The Construction Task Catalog®

Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

Gage No.	Sheet Metal Thickness (inches)			
	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 General Requirements

01 20 Price and Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
<p>Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.</p>			

01 22 16 00-0003 Negotiated Travel Costs ^(01 22 16)

Note: To be used only at the request of authorized personal for non-commuting travel costs.

01 22 16 00-0004	EA	Negotiated Travel Costs	1.00
<p>Note: Supporting documentation must be included with each Work Order.</p>			

01 22 20 Wage Rates ^(01 22)

01 22 20 00-0001 Local Labor/Wage Rates ^(01 22 20)

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker	86.30
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			4.32
For Apprentice, Deduct			-17.26
01 22 20 00-0003	HR	Insulator	144.31
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			7.22
For Apprentice, Deduct			-28.86
01 22 20 00-0004	HR	Boilermaker.....	107.64
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.38
For Apprentice, Deduct			-21.53
01 22 20 00-0005	HR	Brick Layer.....	109.05
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.45
For Apprentice, Deduct			-21.81
01 22 20 00-0006	HR	Carpenter.....	125.77
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			6.29
For Apprentice, Deduct			-25.15
01 22 20 00-0007	HR	Carpet, Linoleum	121.84
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			6.09
For Apprentice, Deduct			-24.37
01 22 20 00-0008	HR	Cement Mason	90.34
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			4.52
For Apprentice, Deduct			-18.07
01 22 20 00-0009	HR	Drywall Finisher	121.06
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			6.05
For Apprentice, Deduct			-24.21
01 22 20 00-0010	HR	Electrician	153.05
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			7.65
For Apprentice, Deduct			-30.61
01 22 20 00-0011	HR	Equipment Operator, Crane (Group 1-A).....	117.37
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0012	HR	Equipment Operator, Crane (Group 2-A).....	115.00
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.75
01 22 20 00-0013	HR	Equipment Operator, Crane (Group 3-A).....	109.07
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0014	HR	Equipment Operator, Medium (Group 3)	112.17
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.61
For Apprentice, Deduct			-22.43
01 22 20 00-0015	HR	Equipment Operator, Medium (Group 4)	110.31
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0016	HR	Equipment Operator, Medium (Group 5)	108.61
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0017 HR Equipment Operator, Light (Group 6)	106.83	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.34	
For Apprentice, Deduct	-21.37	
01 22 20 00-0018 HR Equipment Operator, Light (Group 7)	105.30	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019 HR Equipment Operator, Light (Group 8)	103.78	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020 HR Glazier	115.78	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.79	
For Apprentice, Deduct	-23.16	
01 22 20 00-0021 HR Laborer	83.76	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022 HR Lather.....	118.17	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.91	
For Apprentice, Deduct	-23.63	
01 22 20 00-0023 HR Marble Setter	118.17	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.91	
For Apprentice, Deduct	-23.63	
01 22 20 00-0024 HR Millwright.....	117.70	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.89	
For Apprentice, Deduct	-23.54	
01 22 20 00-0025 HR Mold Removal Worker	87.79	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.39	
For Apprentice, Deduct	-17.56	
01 22 20 00-0026 HR Painter, Ordinary.....	97.52	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.88	
For Apprentice, Deduct	-19.50	
01 22 20 00-0027 HR Painter, Structural Steel.....	100.90	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.05	
For Apprentice, Deduct	-20.18	
01 22 20 00-0028 HR Paperhanger.....	97.52	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.88	
For Apprentice, Deduct	-19.50	
01 22 20 00-0029 HR Pile Drivers	127.20	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.36	
For Apprentice, Deduct	-25.44	
01 22 20 00-0030 HR Plasterer	109.55	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.48	
For Apprentice, Deduct	-21.91	
01 22 20 00-0031 HR Plumber	151.74	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.59	
For Apprentice, Deduct	-30.35	
01 22 20 00-0032 HR Powderman.....	88.15	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.41	
For Apprentice, Deduct	-17.63	
01 22 20 00-0033 HR Rodman (Reinforcing)/Ornamental Steel Worker	107.91	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.40	
For Apprentice, Deduct	-21.58	
01 22 20 00-0034 HR Roofer, Composite.....	116.37	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.82	
For Apprentice, Deduct	-23.27	
01 22 20 00-0035 HR Roofer, Metal	128.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.40	
For Apprentice, Deduct	-25.60	
01 22 20 00-0036 HR Roofer, Tile/Slate.....	112.76	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.64	
For Apprentice, Deduct	-22.55	
01 22 20 00-0037 HR Sheet Metal Worker.....	152.29	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.61	
For Apprentice, Deduct	-30.46	
01 22 20 00-0038 HR Sprinkler Installer.....	142.06	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.10	
For Apprentice, Deduct	-28.41	
01 22 20 00-0039 HR Steam / Pipe Fitter.....	151.74	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.59	
For Apprentice, Deduct	-30.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0040 HR Stone Mason.....	109.05	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.45	
For Apprentice, Deduct	-21.81	
01 22 20 00-0041 HR Iron Worker (Structural)	111.60	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.58	
For Apprentice, Deduct	-22.32	
01 22 20 00-0042 HR Tile Layer	100.90	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.05	
For Apprentice, Deduct	-20.18	
01 22 20 00-0043 HR Terrazzo Worker.....	110.24	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.51	
For Apprentice, Deduct	-22.05	
01 22 20 00-0044 HR Truck Driver, Light (Group 1).....	90.04	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.50	
For Apprentice, Deduct	-18.01	
01 22 20 00-0045 HR Truck Driver, Medium (Group 2).....	90.47	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046 HR Truck Driver, Heavy (Group 3).....	90.90	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.55	
For Apprentice, Deduct	-18.18	
01 22 20 00-0047 HR Truck Driver, Heavy (Group 4).....	91.40	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048 HR Class I Diver	209.51	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0049 HR Class III Diver Tender	138.83	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050 HR D1 Certified Welder	118.96	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0051 Rates For Services (01 22 20)		
01 22 20 00-0052 HR Watch/Guard Person, Unarmed.....	35.33	
01 22 20 00-0053 HR Watch/Guard Person, Armed.....	44.36	
01 22 20 00-0054 HR Surveyor (Rod Person).....	109.63	
01 22 20 00-0055 HR Senior Surveyor (Party Chief).....	120.74	
01 22 20 00-0056 HR Surveyor (Instrument person).....	114.01	
01 22 20 00-0057 HR On-Site Certified Materials Testing Technician.....	82.92	
01 22 20 00-0058 HR Certified Industrial Hygienist.....	133.60	
01 22 20 00-0059 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.66	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0060 HR Fire Watch Laborer.....	83.76	
Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
01 22 20 00-0061 Rates For Project Management Services (01 22 20)		
01 22 20 00-0062 HR Project Manager	161.25	
01 22 20 00-0063 Rates For Architectural And Engineering Services (01 22 20)		
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0064 HR Principal Architect.....	225.00	
01 22 20 00-0065 HR Senior Architect	200.00	
01 22 20 00-0066 HR Architect.....	150.00	
01 22 20 00-0067 HR Principal Engineer.....	222.50	
01 22 20 00-0068 HR Senior Engineer.....	172.50	
01 22 20 00-0069 HR Engineer	135.00	
01 22 20 00-0070 HR Draft Person.....	80.00	
01 22 20 00-0071 Rates For Traffic Control (01 22 20)		
01 22 20 00-0072 DAY Pilot Vehicle With Driver	1,067.13	
Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0073 HR Flagperson For Traffic Control	83.76	
01 22 20 00-0074 Mobilize Equipment (01 22 20)		
01 22 20 00-0075 HR Escort Vehicle With Driver	96.38	
01 22 20 00-0076 HR Transport Vehicle With Driver.....	139.03	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 Equipment Usage (01 22)

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0071 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment (01 22 23)

01 22 23 00-0002 Man Lifts (01 22 23 00-0001)

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003)

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform	489.86
	<i>For Four-Wheel Drive, Add</i>	110.22
01 22 23 00-0006	WK 40' Engine Powered, Telescoping Boom Man Lift With Platform	1,232.56
	<i>For Four-Wheel Drive, Add</i>	277.33
01 22 23 00-0007	MO 40' Engine Powered, Telescoping Boom Man Lift With Platform	2,765.35
	<i>For Four-Wheel Drive, Add</i>	622.20
01 22 23 00-0008	DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform	718.99
	<i>For Four-Wheel Drive, Add</i>	161.77
01 22 23 00-0009	WK 60' Engine Powered, Telescoping Boom Man Lift With Platform	1,714.52
	<i>For Four-Wheel Drive, Add</i>	385.77
01 22 23 00-0010	MO 60' Engine Powered, Telescoping Boom Man Lift With Platform	3,752.98
	<i>For Four-Wheel Drive, Add</i>	844.42
01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform	1,398.48
	<i>For Four-Wheel Drive, Add</i>	314.66
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform	3,389.53
	<i>For Four-Wheel Drive, Add</i>	762.64
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform	7,110.90
	<i>For Four-Wheel Drive, Add</i>	1,599.95
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform	1,991.05
	<i>For Four-Wheel Drive, Add</i>	447.99
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform	4,794.33
	<i>For Four-Wheel Drive, Add</i>	1,078.72
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform	11,946.31
	<i>For Four-Wheel Drive, Add</i>	2,687.92
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform	2,425.61
	<i>For Four-Wheel Drive, Add</i>	545.76
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform	6,186.48
	<i>For Four-Wheel Drive, Add</i>	1,391.96
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform	14,063.78
	<i>For Four-Wheel Drive, Add</i>	3,164.35

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	434.36
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,089.86
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,621.97
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	552.82
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,208.32
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,999.47
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	710.78
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,642.68
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,672.34
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,239.91
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,922.08
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	7,106.17
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,408.74
01 22 23 00-0035	WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,686.20
01 22 23 00-0036	MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	13,899.60

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)

Note: For use on paved surfaces.

01 22 23 00-0038	DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	434.36
01 22 23 00-0039	WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,089.86
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,621.97
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	434.36
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,089.86
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,621.97
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	537.03
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,160.93
01 22 23 00-0046	MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,882.59
01 22 23 00-0047	DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	537.03
01 22 23 00-0048	WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,160.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,882.59	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)		
Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift	182.64	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift	365.29	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift	747.18	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift	199.25	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift	398.50	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift	796.99	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift	257.36	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift	514.72	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift	1,104.17	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift	332.08	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift	655.86	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift	1,452.85	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift	356.99	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift	697.37	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift	1,577.38	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift	464.91	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift	1,153.98	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift	3,212.87	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift	431.82	
For Four-Wheel Drive, Add	86.36	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift	844.45	
For Four-Wheel Drive, Add	168.89	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift	2,063.14	
For Four-Wheel Drive, Add	412.63	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift	441.42	
For Four-Wheel Drive, Add	88.28	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift	1,007.58	
For Four-Wheel Drive, Add	201.52	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift	2,207.08	
For Four-Wheel Drive, Add	441.42	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift	489.40	
For Four-Wheel Drive, Add	97.88	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift	1,122.73	
For Four-Wheel Drive, Add	224.55	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift	2,494.96	
For Four-Wheel Drive, Add	498.99	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift	518.18	
For Four-Wheel Drive, Add	103.64	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift	1,209.10	
For Four-Wheel Drive, Add	241.82	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift	2,974.76	
For Four-Wheel Drive, Add	594.95	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift	969.20	
For Four-Wheel Drive, Add	193.84	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift	2,130.31	
For Four-Wheel Drive, Add	426.06	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift	5,239.42	
For Four-Wheel Drive, Add	1,047.88	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift	162.30	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift	459.84	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift	928.70	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift	225.41	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift	477.87	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift	1,622.97	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift	378.69	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift	919.68	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift	2,686.92	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift	405.74	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift	1,009.85	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift	3,038.56	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift	216.40	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift	432.79	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift	865.58	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift	216.40	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift	432.79	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift	899.85	

01	01	General Requirements
	01 20	Price and Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0105	Bucket Trucks (01 22 23 00-0001)	
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 29' To 33' Bucket Truck With Full-Time Operator	1,426.10	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-0107 WK 29' To 33' Bucket Truck With Full-Time Operator	5,732.63	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-0108 MO 29' To 33' Bucket Truck With Full-Time Operator	21,092.55	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-0109 DAY 38' To 41' Bucket Truck With Full-Time Operator	1,515.06	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-0110 WK 38' To 41' Bucket Truck With Full-Time Operator	6,018.56	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-0111 MO 38' To 41' Bucket Truck With Full-Time Operator	21,855.03	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-0112 DAY 45' To 48' Bucket Truck With Full-Time Operator	1,743.80	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-0113 WK 45' To 48' Bucket Truck With Full-Time Operator	6,431.57	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-0114 MO 45' To 48' Bucket Truck With Full-Time Operator	22,744.59	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-0115 DAY 62' Bucket Truck With Full-Time Operator	2,252.12	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-0116 WK 62' Bucket Truck With Full-Time Operator	8,083.61	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-0117 MO 62' Bucket Truck With Full-Time Operator	27,192.39	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator	2,506.28	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator	8,973.17	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator	30,369.39	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-0121 Day 105' Bucket Truck With Full-Time Operator	2,633.36	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-0122 WK 105' Bucket Truck With Full-Time Operator	9,354.41	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-0123 MO 105' Bucket Truck With Full-Time Operator	30,674.38	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-0124	Air Equipment (01 22 23)	
01 22 23 00-0125	Air Compressors (01 22 23 00-0124)	
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126 DAY 100 CFM Diesel Powered Portable Air Compressor	175.84	
01 22 23 00-0127 WK 100 CFM Diesel Powered Portable Air Compressor	527.51	
01 22 23 00-0128 MO 100 CFM Diesel Powered Portable Air Compressor	1,465.31	
01 22 23 00-0129 DAY 130 CFM Diesel Powered Portable Air Compressor	211.00	
01 22 23 00-0130 WK 130 CFM Diesel Powered Portable Air Compressor	621.29	
01 22 23 00-0131 MO 130 CFM Diesel Powered Portable Air Compressor	1,758.38	
01 22 23 00-0132 DAY 185 CFM Diesel Powered Portable Air Compressor	281.34	
01 22 23 00-0133 WK 185 CFM Diesel Powered Portable Air Compressor	633.02	
01 22 23 00-0134 MO 185 CFM Diesel Powered Portable Air Compressor	1,394.98	
01 22 23 00-0135 DAY 375 CFM Diesel Powered Portable Air Compressor	398.56	
01 22 23 00-0136 WK 375 CFM Diesel Powered Portable Air Compressor	1,008.14	
01 22 23 00-0137 MO 375 CFM Diesel Powered Portable Air Compressor	2,403.11	
01 22 23 00-0138 DAY 600 CFM Diesel Powered Portable Air Compressor	886.22	
01 22 23 00-0139 WK 600 CFM Diesel Powered Portable Air Compressor	2,133.50	
01 22 23 00-0140 MO 600 CFM Diesel Powered Portable Air Compressor	5,317.33	
01 22 23 00-0141 DAY 750 CFM Diesel Powered Portable Air Compressor	1,066.75	
01 22 23 00-0142 WK 750 CFM Diesel Powered Portable Air Compressor	2,625.84	
01 22 23 00-0143 MO 750 CFM Diesel Powered Portable Air Compressor	6,447.38	
01 22 23 00-0144 DAY 825 CFM Diesel Powered Portable Air Compressor	1,066.75	
01 22 23 00-0145 WK 825 CFM Diesel Powered Portable Air Compressor	2,625.84	
01 22 23 00-0146 MO 825 CFM Diesel Powered Portable Air Compressor	6,447.38	
01 22 23 00-0147 DAY 1,300 CFM Diesel Powered Portable Air Compressor	1,242.58	
01 22 23 00-0148 WK 1,300 CFM Diesel Powered Portable Air Compressor	2,785.27	
01 22 23 00-0149 MO 1,300 CFM Diesel Powered Portable Air Compressor	7,427.38	
01 22 23 00-0150 DAY 1,600 CFM Diesel Powered Portable Air Compressor	1,547.37	
01 22 23 00-0151 WK 1,600 CFM Diesel Powered Portable Air Compressor	3,481.58	
01 22 23 00-0152 MO 1,600 CFM Diesel Powered Portable Air Compressor	9,284.22	
01 22 23 00-0153	Portable Negative Air Machines (01 22 23 00-0124)	
Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0154 DAY Up To 2,000 CFM, Portable Negative Air Machine	120.46	
01 22 23 00-0155 WK Up To 2,000 CFM, Portable Negative Air Machine	494.73	
01 22 23 00-0156 MO Up To 2,000 CFM, Portable Negative Air Machine	1,494.94	
01 22 23 00-0157 EA First Stage Pre-Filter For Portable Negative Air Machines	15.71	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0158	EA		Second Stage Pre-Filter For Portable Negative Air Machines	38.73	
01 22 23 00-0159	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	208.37	
01 22 23 00-0160	LF		Flexible Exhaust Duct For Portable Negative Air Machines.....	2.32	
01 22 23 00-0161			Portable Air Scrubbers (01 22 23 00-0124)		
			Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.		
01 22 23 00-0162	DAY		Up To 1,000 CFM, Portable Air Scrubber	100.57	
01 22 23 00-0163	WK		Up To 1,000 CFM, Portable Air Scrubber	418.04	
01 22 23 00-0164	MO		Up To 1,000 CFM, Portable Air Scrubber	1,157.17	
01 22 23 00-0165	DAY		>1,000 to 2,000 CFM, Portable Air Scrubber	127.23	
01 22 23 00-0166	WK		>1,000 to 2,000 CFM, Portable Air Scrubber	527.09	
01 22 23 00-0167	MO		>1,000 to 2,000 CFM, Portable Air Scrubber	1,544.92	
01 22 23 00-0168	DAY		>2,000 To 5,000 CFM, Portable Air Scrubber.....	163.58	
01 22 23 00-0169	WK		>2,000 To 5,000 CFM, Portable Air Scrubber.....	696.73	
01 22 23 00-0170	MO		>2,000 To 5,000 CFM, Portable Air Scrubber.....	1,950.84	
01 22 23 00-0171	EA		First Stage Pre-Filter For Portable Air Scrubbers	22.98	
01 22 23 00-0172	EA		Second Stage Pre-Filter For Portable Air Scrubbers	32.67	
01 22 23 00-0173	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers.....	353.77	
01 22 23 00-0174			Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0175			Pavers And Rollers (01 22 23 00-0174)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0176			Pavers (01 22 23 00-0175)		
01 22 23 00-0177	DAY		10' Wide Paving Machine With Full-Time Operator	4,302.90	
			<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0178	WK		10' Wide Paving Machine With Full-Time Operator	18,108.99	
			<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0179	MO		10' Wide Paving Machine With Full-Time Operator	68,094.47	
			<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0180			Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0175)		
01 22 23 00-0181	DAY		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,296.88	
			<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0182	WK		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,695.25	
			<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0183	MO		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	22,723.56	
			<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0184	DAY		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,451.07	
			<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0185	WK		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,841.84	
			<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0186	MO		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	24,454.66	
			<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0187	DAY		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,458.08	
			<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0188	WK		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,386.28	
			<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0189	MO		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	24,791.07	
			<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0190			Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0175)		
01 22 23 00-0191	DAY		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,359.96	
			<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0192	WK		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,769.54	
			<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0193	MO		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,151.08	
			<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0194	DAY		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,654.32	
			<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0195	WK		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,365.26	
			<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0196	MO		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,029.35	
			<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0197	DAY		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,724.40	
			<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0198	WK		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,806.79	
			<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0199	MO		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,262.85	
			<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0200			Towed, Padfoot Rollers (01 22 23 00-0175)		
01 22 23 00-0201	DAY		48" Wide, 40" Diameter, Towed Padfoot Roller	133.16	
01 22 23 00-0202	WK		48" Wide, 40" Diameter, Towed Padfoot Roller	385.47	
01 22 23 00-0203	MO		48" Wide, 40" Diameter, Towed Padfoot Roller	1,135.38	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0204 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	168.20	
01 22 23 00-0205 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	469.57	
01 22 23 00-0206 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	1,997.42	
01 22 23 00-0207 Static Rollers (01 22 23 00-0175)		
01 22 23 00-0208 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,395.00	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0209 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,070.90	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0210 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator	24,139.28	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0211 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,549.19	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0212 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,491.41	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0213 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	25,302.69	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0175)		
01 22 23 00-0215 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,170.73	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0216 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,285.95	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0217 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	21,546.13	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0218 DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,275.86	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0219 WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,601.33	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0220 MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	22,387.15	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0221 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,345.94	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0222 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,811.59	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0223 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	22,947.83	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0224 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,437.05	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0225 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,077.91	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0226 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,641.67	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0227 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,619.28	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0228 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,610.56	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0229 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,050.38	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0230 Steel Roadway Plates (01 22 23 00-0174)		
Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0231 EA Placement And Removal Of Steel Roadway Plates	55.18	
01 22 23 00-0232 DAY 1" x 4' x 8' Steel Plate	44.12	
01 22 23 00-0233 WK 1" x 4' x 8' Steel Plate	104.18	
01 22 23 00-0234 MO 1" x 4' x 8' Steel Plate	137.10	
01 22 23 00-0235 DAY 1" x 4' x 10' Steel Plate	58.83	
01 22 23 00-0236 WK 1" x 4' x 10' Steel Plate	132.36	
01 22 23 00-0237 MO 1" x 4' x 10' Steel Plate	161.78	
01 22 23 00-0238 DAY 1" x 5' x 10' Steel Plate	61.28	
01 22 23 00-0239 WK 1" x 5' x 10' Steel Plate	138.49	
01 22 23 00-0240 MO 1" x 5' x 10' Steel Plate	367.68	
01 22 23 00-0241 DAY 1" x 6' x 8' Steel Plate	39.22	
01 22 23 00-0242 WK 1" x 6' x 8' Steel Plate	88.24	
01 22 23 00-0243 MO 1" x 6' x 8' Steel Plate	235.32	
01 22 23 00-0244 DAY 1" x 6' x 10' Steel Plate	73.54	
01 22 23 00-0245 WK 1" x 6' x 10' Steel Plate	96.82	
01 22 23 00-0246 MO 1" x 6' x 10' Steel Plate	258.60	
01 22 23 00-0247 DAY 1" x 6' x 12' Steel Plate	102.95	
01 22 23 00-0248 WK 1" x 6' x 12' Steel Plate	131.75	
01 22 23 00-0249 MO 1" x 6' x 12' Steel Plate	356.65	
01 22 23 00-0250 DAY 1" x 8' x 10' Steel Plate	64.96	
01 22 23 00-0251 WK 1" x 8' x 10' Steel Plate	145.85	
01 22 23 00-0252 MO 1" x 8' x 10' Steel Plate	388.52	
01 22 23 00-0253 DAY 1" x 8' x 12' Steel Plate	117.66	
01 22 23 00-0254 WK 1" x 8' x 12' Steel Plate	145.85	
01 22 23 00-0255 MO 1" x 8' x 12' Steel Plate	705.95	
01 22 23 00-0256 DAY 1" x 8' x 16' Steel Plate	156.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0257 WK 1" x 8' x 16' Steel Plate	352.97	
01 22 23 00-0258 MO 1" x 8' x 16' Steel Plate	941.26	
01 22 23 00-0259 LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.45	1.04
01 22 23 00-0260 EA Removal And Resetting Of Steel Roadway Plate	30.65	
01 22 23 00-0261 Street Sweepers (01 22 23 00-0174) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0262 DAY 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,070.48	
For Equipment Without Operator, Deduct	-854.61	
01 22 23 00-0263 WK 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,128.45	
For Equipment Without Operator, Deduct	-4,273.04	
01 22 23 00-0264 MO 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	21,564.16	
For Equipment Without Operator, Deduct	-18,516.51	
01 22 23 00-0265 DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator	1,898.67	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
For Equipment Without Operator, Deduct	-854.61	
01 22 23 00-0266 WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator	8,455.05	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
For Equipment Without Operator, Deduct	-4,273.04	
01 22 23 00-0267 MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator	33,441.11	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
For Equipment Without Operator, Deduct	-18,516.51	
01 22 23 00-0268 Earthmoving Equipment (01 22 23)		
01 22 23 00-0269 Skid-Steer Loaders (01 22 23 00-0268) Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0270 DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,183.81	
For Equipment Without Operator, Deduct	-854.61	
01 22 23 00-0271 WK 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,136.67	
For Equipment Without Operator, Deduct	-4,273.04	
01 22 23 00-0272 MO 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	20,596.38	
For Equipment Without Operator, Deduct	-18,516.51	
01 22 23 00-0273 DAY 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,270.58	
For Equipment Without Operator, Deduct	-854.61	
01 22 23 00-0274 WK 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	5,293.69	
For Equipment Without Operator, Deduct	-4,273.04	
01 22 23 00-0275 MO 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	20,940.73	
For Equipment Without Operator, Deduct	-18,516.51	
01 22 23 00-0276 DAY 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,295.38	
For Equipment Without Operator, Deduct	-854.61	
01 22 23 00-0277 WK 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	5,519.59	
For Equipment Without Operator, Deduct	-4,273.04	
01 22 23 00-0278 MO 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	21,539.90	
For Equipment Without Operator, Deduct	-18,516.51	
01 22 23 00-0279 DAY 2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,391.80	
For Equipment Without Operator, Deduct	-854.61	
01 22 23 00-0280 WK 2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	5,836.39	
For Equipment Without Operator, Deduct	-4,273.04	
01 22 23 00-0281 MO 2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	22,586.73	
For Equipment Without Operator, Deduct	-18,516.51	
01 22 23 00-0282 DAY 3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,557.08	
For Equipment Without Operator, Deduct	-854.61	
01 22 23 00-0283 WK 3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,463.11	
For Equipment Without Operator, Deduct	-4,273.04	
01 22 23 00-0284 MO 3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	24,129.41	
For Equipment Without Operator, Deduct	-18,516.51	
01 22 23 00-0285 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders	275.48	
01 22 23 00-0286 WK Hydraulic Hammer Attachment For Skid-Steer Loaders	915.97	
01 22 23 00-0287 MO Hydraulic Hammer Attachment For Skid-Steer Loaders	2,438.00	
01 22 23 00-0288 DAY Forklift Attachment For Skid-Steer Loaders	59.23	
01 22 23 00-0289 WK Forklift Attachment For Skid-Steer Loaders	158.40	
01 22 23 00-0290 MO Forklift Attachment For Skid-Steer Loaders	447.66	
01 22 23 00-0291 DAY Backhoe Attachment For Skid-Steer Loaders	130.85	
01 22 23 00-0292 WK Backhoe Attachment For Skid-Steer Loaders	314.05	
01 22 23 00-0293 MO Backhoe Attachment For Skid-Steer Loaders	780.99	
01 22 23 00-0294 DAY Broom Attachment For Skid-Steer Loaders	129.48	
01 22 23 00-0295 WK Broom Attachment For Skid-Steer Loaders	351.24	
01 22 23 00-0296 MO Broom Attachment For Skid-Steer Loaders	929.74	
01 22 23 00-0297 DAY Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	112.95	
01 22 23 00-0298 WK Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	311.29	
01 22 23 00-0299 MO Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	849.86	
01 22 23 00-0300 DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	31.13	
01 22 23 00-0301 WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	81.45	
01 22 23 00-0302 MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	239.54	
01 22 23 00-0303 DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	41.91	
01 22 23 00-0304 WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	104.20	
01 22 23 00-0305 MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	311.42	
01 22 23 00-0306 DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	61.07	
01 22 23 00-0307 WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	185.66	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0308 MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	550.96	
01 22 23 00-0309 DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	12.40	
01 22 23 00-0310 WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	28.93	
01 22 23 00-0311 MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	77.13	
01 22 23 00-0312 Bulldozers <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0313 DAY 70 HP, D3 Bulldozer With Full-Time Operator	1,369.60	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0314 WK 70 HP, D3 Bulldozer With Full-Time Operator	6,349.07	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0315 MO 70 HP, D3 Bulldozer With Full-Time Operator	24,967.47	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0316 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,592.34	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0317 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,248.92	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0318 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	27,729.42	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0319 DAY 140 HP, D6 Bulldozer With Full-Time Operator	2,224.92	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0320 WK 140 HP, D6 Bulldozer With Full-Time Operator	9,779.22	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0321 MO 140 HP, D6 Bulldozer With Full-Time Operator	35,302.49	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0322 DAY 200 HP, D7 Bulldozer With Full-Time Operator	2,786.21	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0323 WK 200 HP, D7 Bulldozer With Full-Time Operator	12,033.33	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0324 MO 200 HP, D7 Bulldozer With Full-Time Operator	42,073.71	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0325 DAY 335 HP, D8 Bulldozer With Full-Time Operator	3,454.43	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0326 WK 335 HP, D8 Bulldozer With Full-Time Operator	14,706.18	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0327 MO 335 HP, D8 Bulldozer With Full-Time Operator	50,092.26	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0328 DAY 460 HP, D9 Bulldozer With Full-Time Operator	3,828.63	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0329 WK 460 HP, D9 Bulldozer With Full-Time Operator	16,194.06	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0330 MO 460 HP, D9 Bulldozer With Full-Time Operator	54,547.01	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0331 Motor Scraper <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0332 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator	3,231.06	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0333 WK 11 CY Motor Scraper-Hauler With Full-Time Operator	13,821.64	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0334 MO 11 CY Motor Scraper-Hauler With Full-Time Operator	47,415.58	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0335 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator	4,174.12	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0336 WK 18 CY Motor Scraper-Hauler With Full-Time Operator	17,593.86	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0337 MO 18 CY Motor Scraper-Hauler With Full-Time Operator	58,764.22	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0338 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator	5,085.21	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0339 WK 24 CY Motor Scraper-Hauler With Full-Time Operator	21,222.23	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0340 MO 24 CY Motor Scraper-Hauler With Full-Time Operator	69,633.34	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0341 Hydraulic Excavators <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0342 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator	1,262.41	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0343 WK 3/8 CY Hydraulic Excavator With Full-Time Operator	5,778.04	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0344 MO 3/8 CY Hydraulic Excavator With Full-Time Operator	23,769.66	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0345 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator	1,365.16	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0346 WK 1/2 CY Hydraulic Excavator With Full-Time Operator	6,230.93	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0347 MO 1/2 CY Hydraulic Excavator With Full-Time Operator	25,581.21	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0348 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator	1,397.60	
For Equipment Without Operator, Deduct	-897.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0349 WK 5/8 CY Hydraulic Excavator With Full-Time Operator.....	6,399.92	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0350 MO 5/8 CY Hydraulic Excavator With Full-Time Operator.....	25,878.62	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0351 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator.....	1,431.40	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0352 WK 3/4 CY Hydraulic Excavator With Full-Time Operator.....	6,555.39	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0353 MO 3/4 CY Hydraulic Excavator With Full-Time Operator.....	26,176.04	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0354 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	1,458.44	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0355 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	6,717.62	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0356 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	26,473.46	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0357 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	1,823.45	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0358 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	8,170.91	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0359 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	30,495.36	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0360 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	1,877.53	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0361 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	8,407.49	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0362 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	31,205.11	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0363 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	1,978.92	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0364 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	8,813.06	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0365 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	32,421.82	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0366 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	2,093.83	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0367 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	9,265.95	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0368 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	33,773.72	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0369 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	2,127.63	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0370 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	9,401.14	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0371 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	34,179.29	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0372 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,452.08	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0373 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	10,705.72	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0374 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	38,099.80	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0375 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,918.49	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0376 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	12,557.82	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0377 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	43,642.59	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0378 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,493.05	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0379 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	14,856.05	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0380 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	50,537.28	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0381 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators.....	94.63	
01 22 23 00-0382 WK Thumbs Or Grapple Attachment For Hydraulic Excavators.....	365.01	
01 22 23 00-0383 MO Thumbs Or Grapple Attachment For Hydraulic Excavators.....	1,081.52	
01 22 23 00-0384 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	419.09	
01 22 23 00-0385 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,108.56	
01 22 23 00-0386 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,102.61	
01 22 23 00-0387 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	648.91	
01 22 23 00-0388 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,656.08	
01 22 23 00-0389 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,305.80	
01 22 23 00-0390 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	905.77	
01 22 23 00-0391 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,440.18	
01 22 23 00-0392 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,840.61	
01 22 23 00-0393 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators.....	189.27	
01 22 23 00-0394 WK 24" Compaction Wheel Attachment For Hydraulic Excavators.....	757.06	
01 22 23 00-0395 MO 24" Compaction Wheel Attachment For Hydraulic Excavators.....	2,271.19	
01 22 23 00-0396 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators.....	270.38	
01 22 23 00-0397 WK 36" Compaction Wheel Attachment For Hydraulic Excavators.....	1,081.52	
01 22 23 00-0398 MO 36" Compaction Wheel Attachment For Hydraulic Excavators.....	3,244.56	
01 22 23 00-0399 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators.....	297.42	
01 22 23 00-0400 WK 48" Compaction Wheel Attachment For Hydraulic Excavators.....	1,176.15	

01	01	General Requirements
	01 20	Price and Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0401 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,514.94	
01 22 23 00-0402 Mini-Excavators (01 22 23 00-0268)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0403 DAY 2,000 LB Mini-Excavator With Full-Time Operator.....	1,181.30	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0404 WK 2,000 LB Mini-Excavator With Full-Time Operator.....	5,291.36	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0405 MO 2,000 LB Mini-Excavator With Full-Time Operator.....	21,214.57	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0406 DAY 3,500 LB Mini-Excavator With Full-Time Operator.....	1,188.06	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0407 WK 3,500 LB Mini-Excavator With Full-Time Operator.....	5,311.64	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0408 MO 3,500 LB Mini-Excavator With Full-Time Operator.....	21,640.42	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0409 DAY 6,000 LB Mini-Excavator With Full-Time Operator.....	1,221.86	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0410 WK 6,000 LB Mini-Excavator With Full-Time Operator.....	5,406.27	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0411 MO 6,000 LB Mini-Excavator With Full-Time Operator.....	21,701.25	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0412 DAY 7,500 LB Mini-Excavator With Full-Time Operator.....	1,235.38	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0413 WK 7,500 LB Mini-Excavator With Full-Time Operator.....	5,453.59	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0414 MO 7,500 LB Mini-Excavator With Full-Time Operator.....	21,728.29	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0415 DAY 9,500 LB Mini-Excavator With Full-Time Operator.....	1,316.49	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0416 WK 9,500 LB Mini-Excavator With Full-Time Operator.....	5,521.18	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0417 MO 9,500 LB Mini-Excavator With Full-Time Operator.....	22,512.39	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0418 DAY 11,000 LB Mini-Excavator With Full-Time Operator.....	1,323.25	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0419 WK 11,000 LB Mini-Excavator With Full-Time Operator.....	5,859.16	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0420 MO 11,000 LB Mini-Excavator With Full-Time Operator.....	22,546.19	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0421 Road Graders (01 22 23 00-0268)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0422 DAY 60 HP Road Grader With Full-Time Operator	2,218.96	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0423 WK 60 HP Road Grader With Full-Time Operator	8,061.96	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0424 MO 60 HP Road Grader With Full-Time Operator.....	30,134.64	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0425 DAY 80 HP Road Grader With Full-Time Operator	2,608.65	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0426 WK 80 HP Road Grader With Full-Time Operator	9,146.32	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0427 MO 80 HP Road Grader With Full-Time Operator	33,421.59	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0428 DAY 130 HP Road Grader With Full-Time Operator	2,344.75	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0429 WK 130 HP Road Grader With Full-Time Operator	10,276.42	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0430 MO 130 HP Road Grader With Full-Time Operator	40,133.21	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0431 Loader-Backhoes With Standard Bucket (01 22 23 00-0268)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0432 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,352.23	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0433 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	5,567.21	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0434 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	21,985.77	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0435 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,400.96	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0436 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	5,737.77	
For Equipment Without Operator, Deduct	-4,486.98	
01 22 23 00-0437 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	23,025.38	
For Equipment Without Operator, Deduct	-19,443.58	
01 22 23 00-0438 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,476.09	
For Equipment Without Operator, Deduct	-897.40	
01 22 23 00-0439 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	5,924.57	
For Equipment Without Operator, Deduct	-4,486.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0440 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	23,561.43	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0441 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,811.12	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0442 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	6,923.58	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0443 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	26,420.38	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0444 Heavy Duty Construction Loaders <small>(01 22 23 00-0268)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0445 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,404.95	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0446 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,493.76	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0447 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	25,456.12	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0448 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,826.61	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0449 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,954.47	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0450 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	25,690.38	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0451 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,920.31	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0452 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,204.34	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0453 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	26,315.06	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0454 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,177.99	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0455 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,883.68	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0456 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	28,032.93	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0457 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,841.72	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0458 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	12,248.63	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0459 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	42,712.91	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0460 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,214.40	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
01 22 23 00-0461 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	24,999.69	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
01 22 23 00-0462 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	75,346.27	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
01 22 23 00-0463 Tractors <small>(01 22 23 00-0268)</small>		
<i>Note: Excludes operator, delivery, set-up, and removal.</i>		
01 22 23 00-0464 DAY 20 To 29 HP Tractor.....	526.77	
01 22 23 00-0465 WK 20 To 29 HP Tractor.....	1,268.14	
01 22 23 00-0466 MO 20 To 29 HP Tractor.....	3,423.98	
01 22 23 00-0467 DAY 30 To 35 HP Tractor.....	545.81	
01 22 23 00-0468 WK 30 To 35 HP Tractor.....	1,405.17	
01 22 23 00-0469 MO 30 To 35 HP Tractor.....	3,890.36	
01 22 23 00-0470 DAY 40 To 45 HP Tractor.....	557.42	
01 22 23 00-0471 WK 40 To 45 HP Tractor.....	1,498.08	
01 22 23 00-0472 MO 40 To 45 HP Tractor.....	4,111.00	
01 22 23 00-0473 DAY 80 To 89 HP Tractor.....	717.68	
01 22 23 00-0474 WK 80 To 89 HP Tractor.....	2,035.29	
01 22 23 00-0475 MO 80 To 89 HP Tractor.....	5,827.64	
01 22 23 00-0476 DAY 60" Rotary Mower Attachment For Tractors.....	225.29	
01 22 23 00-0477 WK 60" Rotary Mower Attachment For Tractors.....	696.78	
01 22 23 00-0478 DAY 84" Rotary Mower Attachment For Tractors.....	246.20	
01 22 23 00-0479 WK 84" Rotary Mower Attachment For Tractors.....	754.84	
01 22 23 00-0480 DAY Under Deck Rotary Mower Attachment For Tractors.....	39.90	
01 22 23 00-0481 WK Under Deck Rotary Mower Attachment For Tractors.....	159.61	
01 22 23 00-0482 Telescopic Hydraulic Excavators (Gradall) <small>(01 22 23 00-0268)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0483 DAY Gradall, Telescopic Hydraulic Excavator With Full-Time Operator.....	4,465.51	
<i>For Equipment Without Operator, Deduct</i>	-897.40	
<i>For Track Gradall, Add</i>	428.17	
01 22 23 00-0484 WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator.....	18,743.46	
<i>For Equipment Without Operator, Deduct</i>	-4,486.98	
<i>For Track Gradall, Add</i>	1,710.78	
01 22 23 00-0485 MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator.....	70,326.98	
<i>For Equipment Without Operator, Deduct</i>	-19,443.58	
<i>For Track Gradall, Add</i>	6,106.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0486	Shoring <small>(01 22 23 00-0268)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-0487	Aluminum Hydraulic Shoring <small>(01 22 23 00-0486)</small>	
	Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.	
01 22 23 00-0488 WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	114.71
	Note: Up to 88" spread width.	
01 22 23 00-0489 MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	338.35
	Note: Up to 88" spread width.	
01 22 23 00-0490 WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	153.88
	Note: Up to 88" spread width.	
01 22 23 00-0491 MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	453.89
	Note: Up to 88" spread width.	
01 22 23 00-0492 WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	285.34
	Note: Up to 88" spread width.	
01 22 23 00-0493 MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	841.75
	Note: Up to 88" spread width.	
01 22 23 00-0494 EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	26.37
01 22 23 00-0495 EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	42.19
01 22 23 00-0496 EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	70.31
01 22 23 00-0497	Trench Boxes/Trench Shields <small>(01 22 23 00-0268)</small>	
	Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.	
01 22 23 00-0498 WK	4' x 6' Trench Box With Up To 48" Spreaders	256.08
01 22 23 00-0499 MO	4' x 6' Trench Box With Up To 48" Spreaders	768.23
01 22 23 00-0500 WK	6' x 6' Trench Box With Up To 48" Spreaders	289.12
01 22 23 00-0501 MO	6' x 6' Trench Box With Up To 48" Spreaders	867.35
01 22 23 00-0502 WK	8' x 6' Trench Box With Up To 48" Spreaders	305.64
01 22 23 00-0503 MO	8' x 6' Trench Box With Up To 48" Spreaders	916.92
01 22 23 00-0504 WK	4' x 8' Trench Box With Up To 48" Spreaders	280.86
01 22 23 00-0505 MO	4' x 8' Trench Box With Up To 48" Spreaders	842.57
01 22 23 00-0506 WK	6' x 8' Trench Box With Up To 48" Spreaders	330.42
01 22 23 00-0507 MO	6' x 8' Trench Box With Up To 48" Spreaders	991.26
01 22 23 00-0508 WK	8' x 8' Trench Box With Up To 48" Spreaders	371.72
01 22 23 00-0509 MO	8' x 8' Trench Box With Up To 48" Spreaders	1,115.17
01 22 23 00-0510 WK	4' x 10' Trench Box With Up To 48" Spreaders	313.90
01 22 23 00-0511 MO	4' x 10' Trench Box With Up To 48" Spreaders	941.70
01 22 23 00-0512 WK	6' x 10' Trench Box With Up To 48" Spreaders	371.72
01 22 23 00-0513 MO	6' x 10' Trench Box With Up To 48" Spreaders	1,115.17
01 22 23 00-0514 WK	8' x 10' Trench Box With Up To 48" Spreaders	454.33
01 22 23 00-0515 MO	8' x 10' Trench Box With Up To 48" Spreaders	1,354.72
01 22 23 00-0516 WK	4' x 12' Trench Box With Up To 48" Spreaders	371.72
01 22 23 00-0517 MO	4' x 12' Trench Box With Up To 48" Spreaders	1,115.17
01 22 23 00-0518 WK	6' x 12' Trench Box With Up To 48" Spreaders	454.33
01 22 23 00-0519 MO	6' x 12' Trench Box With Up To 48" Spreaders	1,362.98
01 22 23 00-0520 WK	8' x 12' Trench Box With Up To 48" Spreaders	578.24
01 22 23 00-0521 MO	8' x 12' Trench Box With Up To 48" Spreaders	1,734.70
01 22 23 00-0522 WK	4' x 14' Trench Box With Up To 48" Spreaders	413.02
01 22 23 00-0523 MO	4' x 14' Trench Box With Up To 48" Spreaders	1,239.08
01 22 23 00-0524 WK	6' x 14' Trench Box With Up To 48" Spreaders	536.93
01 22 23 00-0525 MO	6' x 14' Trench Box With Up To 48" Spreaders	1,610.80
01 22 23 00-0526 WK	8' x 14' Trench Box With Up To 48" Spreaders	660.84
01 22 23 00-0527 MO	8' x 14' Trench Box With Up To 48" Spreaders	1,982.52
01 22 23 00-0528 WK	4' x 16' Trench Box With Up To 48" Spreaders	454.33
01 22 23 00-0529 MO	4' x 16' Trench Box With Up To 48" Spreaders	1,362.98
01 22 23 00-0530 WK	6' x 16' Trench Box With Up To 48" Spreaders	619.54
01 22 23 00-0531 MO	6' x 16' Trench Box With Up To 48" Spreaders	1,858.61
01 22 23 00-0532 WK	8' x 16' Trench Box With Up To 48" Spreaders	743.44
01 22 23 00-0533 MO	8' x 16' Trench Box With Up To 48" Spreaders	2,230.34
01 22 23 00-0534 WK	4' x 20' Trench Box With Up To 48" Spreaders	536.93
01 22 23 00-0535 MO	4' x 20' Trench Box With Up To 48" Spreaders	1,610.80
01 22 23 00-0536 WK	6' x 20' Trench Box With Up To 48" Spreaders	743.44
01 22 23 00-0537 MO	6' x 20' Trench Box With Up To 48" Spreaders	2,230.34
01 22 23 00-0538 WK	8' x 20' Trench Box With Up To 48" Spreaders	867.35
01 22 23 00-0539 MO	8' x 20' Trench Box With Up To 48" Spreaders	2,602.06
01 22 23 00-0540 WK	4' x 24' Trench Box With Up To 48" Spreaders	743.44
01 22 23 00-0541 MO	4' x 24' Trench Box With Up To 48" Spreaders	2,230.34
01 22 23 00-0542 WK	6' x 24' Trench Box With Up To 48" Spreaders	908.66
01 22 23 00-0543 MO	6' x 24' Trench Box With Up To 48" Spreaders	2,725.96
01 22 23 00-0544 WK	8' x 24' Trench Box With Up To 48" Spreaders	991.26
01 22 23 00-0545 MO	8' x 24' Trench Box With Up To 48" Spreaders	2,973.78
01 22 23 00-0546 WK	For Spreaders >48" To 84", Add	24.78
01 22 23 00-0547 MO	For Spreaders >48" To 84", Add	74.34
01 22 23 00-0548 WK	For Spreaders >84" To 120", Add	148.69
01 22 23 00-0549 MO	For Spreaders >84" To 120", Add	446.07
01 22 23 00-0550 WK	For Spreaders >120", Add	313.90
01 22 23 00-0551 MO	For Spreaders >120", Add	941.70
01 22 23 00-0552 WK	8' x 4' Manhole Box	390.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0553	MO	8' x 4' Manhole Box.....	1,170.93	
	01 22 23 00-0554	WK	8' x 8' Manhole Box.....	557.58	
	01 22 23 00-0555	MO	8' x 8' Manhole Box.....	1,672.75	
01 22 23 00-0556	Trenchers (01 22 23 00-0268)				
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
	01 22 23 00-0557	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,226.23	
			<i>For Equipment Without Operator, Deduct</i>	-854.61	
	01 22 23 00-0558	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,538.86	
			<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
	01 22 23 00-0559	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	22,000.41	
			<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
	01 22 23 00-0560	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,853.33	
			<i>For Equipment Without Operator, Deduct</i>	-854.61	
	01 22 23 00-0561	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	7,652.42	
			<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
	01 22 23 00-0562	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	27,806.91	
			<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
01 22 23 00-0563	Portable Sediment Tank (01 22 23 00-0268)				
	Note: Includes delivery to job site and pick-up when complete.				
	01 22 23 00-0564	WK	Portable Sediment Tank.....	199.52	
	01 22 23 00-0565	MO	Portable Sediment Tank.....	585.24	
01 22 23 00-0566	Heavy Equipment (Ground Protection) Mats (01 22 23 00-0268)				
	Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0268 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.				
	01 22 23 00-0567	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	30.37	
	01 22 23 00-0568	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	72.32	
	01 22 23 00-0569	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	151.87	
	01 22 23 00-0570	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	31.89	
	01 22 23 00-0571	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	75.94	
	01 22 23 00-0572	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	159.46	
	01 22 23 00-0573	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	25.82	
	01 22 23 00-0574	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	60.75	
	01 22 23 00-0575	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	129.09	
	01 22 23 00-0576	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	28.86	
	01 22 23 00-0577	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	68.34	
	01 22 23 00-0578	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	144.28	
	01 22 23 00-0579	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	31.89	
	01 22 23 00-0580	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	75.94	
	01 22 23 00-0581	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	159.46	
	01 22 23 00-0582	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	34.93	
	01 22 23 00-0583	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	83.17	
	01 22 23 00-0584	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	174.65	
	01 22 23 00-0585	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	27.34	
	01 22 23 00-0586	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	75.94	
	01 22 23 00-0587	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	136.68	
	01 22 23 00-0588	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	31.89	
	01 22 23 00-0589	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	75.94	
	01 22 23 00-0590	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	159.46	
	01 22 23 00-0591	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	37.97	
	01 22 23 00-0592	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	83.53	
	01 22 23 00-0593	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	189.84	
	01 22 23 00-0594	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	41.00	
	01 22 23 00-0595	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	97.63	
	01 22 23 00-0596	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	205.02	
	01 22 23 00-0597	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	44.04	
	01 22 23 00-0598	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	104.86	
	01 22 23 00-0599	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	220.21	
	01 22 23 00-0600	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	45.56	
	01 22 23 00-0601	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	108.48	
	01 22 23 00-0602	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	227.80	
	01 22 23 00-0603	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.61	
	01 22 23 00-0604	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	36.52	
	01 22 23 00-0605	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	109.57	
	01 22 23 00-0606	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	17.46	
	01 22 23 00-0607	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	43.66	
	01 22 23 00-0608	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	130.99	
	01 22 23 00-0609	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.95	
	01 22 23 00-0610	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	49.86	
	01 22 23 00-0611	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	149.59	
	01 22 23 00-0612	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	21.26	
	01 22 23 00-0613	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	53.15	
	01 22 23 00-0614	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	159.46	
	01 22 23 00-0615	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.30	
	01 22 23 00-0616	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	60.75	
	01 22 23 00-0617	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	182.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0618	Day		16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.92	
01 22 23 00-0619	WK		16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	69.81	
01 22 23 00-0620	MO		16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	209.43	
01 22 23 00-0621	Day		24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.48	
01 22 23 00-0622	WK		24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	53.71	
01 22 23 00-0623	MO		24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	161.13	
01 22 23 00-0624	Day		30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.09	
01 22 23 00-0625	WK		30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	72.72	
01 22 23 00-0626	MO		30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	218.16	
01 22 23 00-0627	Day		24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.15	
01 22 23 00-0628	WK		24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	62.87	
01 22 23 00-0629	MO		24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	188.62	
01 22 23 00-0630	Day		40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.94	
01 22 23 00-0631	WK		40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	104.86	
01 22 23 00-0632	MO		40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	314.58	
01 22 23 00-0633	Day		40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.71	
01 22 23 00-0634	WK		40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	111.78	
01 22 23 00-0635	MO		40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	335.33	
01 22 23 00-0636			Electrical Equipment (01 22 23)		
01 22 23 00-0637			Tripod Mounted Floodlights (01 22 23 00-0636)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0638	DAY		500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.01	
01 22 23 00-0639	WK		500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	170.36	
01 22 23 00-0640	MO		500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	360.04	
01 22 23 00-0641	DAY		1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.01	
01 22 23 00-0642	WK		1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	210.76	
01 22 23 00-0643	MO		1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	623.49	
01 22 23 00-0644	DAY		2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	80.79	
01 22 23 00-0645	WK		2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	219.54	
01 22 23 00-0646	MO		2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	535.67	
01 22 23 00-0647			Trailer Mounted Floodlights (01 22 23 00-0636)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0648	DAY		4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	201.97	
01 22 23 00-0649	WK		4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	447.86	
01 22 23 00-0650	MO		4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	965.96	
01 22 23 00-0651			Generator Sets (01 22 23 00-0636)		
01 22 23 00-0652			Portable, Gas Powered Generator Sets (01 22 23 00-0651)		
			Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0804 for reimbursable fuel fees.		
01 22 23 00-0653	DAY		3.6 KW, 8 HP Gas Powered Generator Set	51.09	
			Note: Fuel consumption: 100% load – 0.54 gallons per hour		
			For LP Or NG Gas, Add	6.39	
			For >160 To 320 Hours Usage Per Month, Add	25.55	
01 22 23 00-0654	WK		3.6 KW, 8 HP Gas Powered Generator Set	184.17	
			Note: Fuel consumption: 100% load – 0.54 gallons per hour		
			For LP Or NG Gas, Add	23.02	
01 22 23 00-0655	MO		3.6 KW, 8 HP Gas Powered Generator Set	510.93	
			Note: Fuel consumption: 100% load – 0.54 gallons per hour		
			For LP Or NG Gas, Add	63.87	
01 22 23 00-0656	DAY		5 KW, 11 HP Gas Powered Generator Set	72.48	
			Note: Fuel consumption: 100% load – 0.75 gallons per hour		
			For LP Or NG Gas, Add	9.06	
01 22 23 00-0657	WK		5 KW, 11 HP Gas Powered Generator Set	231.70	
			Note: Fuel consumption: 100% load – 0.75 gallons per hour		
			For LP Or NG Gas, Add	28.96	
01 22 23 00-0658	MO		5 KW, 11 HP Gas Powered Generator Set	528.75	
			Note: Fuel consumption: 100% load – 0.75 gallons per hour		
			For LP Or NG Gas, Add	66.09	
01 22 23 00-0659	DAY		6.5 KW, 13 HP Gas Powered Generator Set	92.68	
			Note: Fuel consumption: 100% load – 0.975 gallons per hour		
			For LP Or NG Gas, Add	11.59	
01 22 23 00-0660	WK		6.5 KW, 13 HP Gas Powered Generator Set	249.52	
			Note: Fuel consumption: 100% load – 0.975 gallons per hour		
			For LP Or NG Gas, Add	31.19	
01 22 23 00-0661	MO		6.5 KW, 13 HP Gas Powered Generator Set	689.16	
			Note: Fuel consumption: 100% load – 0.975 gallons per hour		
			For LP Or NG Gas, Add	86.15	
01 22 23 00-0662	DAY		10 KW, 18 HP Gas Powered Generator Set	103.37	
			Note: Fuel consumption: 100% load – 1.5 gallons per hour		
			For LP Or NG Gas, Add	12.92	
01 22 23 00-0663	WK		10 KW, 18 HP Gas Powered Generator Set	279.23	
			Note: Fuel consumption: 100% load – 1.5 gallons per hour		
			For LP Or NG Gas, Add	34.90	
01 22 23 00-0664	MO		10 KW, 18 HP Gas Powered Generator Set	802.04	
			Note: Fuel consumption: 100% load – 1.5 gallons per hour		
			For LP Or NG Gas, Add	100.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

01 22 23 00-0665			Towable, Diesel Powered Generator Sets <small>(01 22 23 00-0651)</small> Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0804 for reimbursable fuel fees.		
01 22 23 00-0666	DAY		20 KW, 60 Hertz Towable Diesel Powered Generator Set .....212.69 Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	106.35	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	212.69	
01 22 23 00-0667	WK		20 KW, 60 Hertz Towable Diesel Powered Generator Set .....556.08 Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	278.04	
			<i>For >80 Hours Usage Per Week, Add</i>	556.08	
01 22 23 00-0668	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,514.96 Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	757.48	
			<i>For >320 Hours Usage Per Month, Add</i>	1,514.96	
01 22 23 00-0669	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set .....361.30 Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	180.65	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	361.30	
01 22 23 00-0670	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,072.26 Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	536.13	
			<i>For >80 Hours Usage Per Week, Add</i>	1,072.26	
01 22 23 00-0671	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,214.45 Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,107.23	
			<i>For >320 Hours Usage Per Month, Add</i>	2,214.45	
01 22 23 00-0672	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....396.27 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	198.14	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	396.27	
01 22 23 00-0673	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,107.22 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	553.61	
			<i>For >80 Hours Usage Per Week, Add</i>	1,107.22	
01 22 23 00-0674	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,447.55 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,223.78	
			<i>For >320 Hours Usage Per Month, Add</i>	2,447.55	
01 22 23 00-0675	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....425.41 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	212.71	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	425.41	
01 22 23 00-0676	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,165.50 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	582.75	
			<i>For >80 Hours Usage Per Week, Add</i>	1,165.50	
01 22 23 00-0677	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,797.20 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,398.60	
			<i>For >320 Hours Usage Per Month, Add</i>	2,797.20	
01 22 23 00-0678	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....466.20 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	233.10	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	466.20	
01 22 23 00-0679	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,322.84 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	661.42	
			<i>For >80 Hours Usage Per Week, Add</i>	1,322.84	
01 22 23 00-0680	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....3,146.85 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,573.43	
			<i>For >320 Hours Usage Per Month, Add</i>	3,146.85	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0681 DAY 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	524.48	
Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	262.24	
For >16 To 24 Hours Usage Per Day, Add	524.48	
01 22 23 00-0682 WK 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,398.60	
Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	699.30	
For >80 Hours Usage Per Week, Add	1,398.60	
01 22 23 00-0683 MO 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,496.50	
Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,748.25	
For >320 Hours Usage Per Month, Add	3,496.50	
01 22 23 00-0684 DAY 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	541.96	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	270.98	
For >16 To 24 Hours Usage Per Day, Add	541.96	
01 22 23 00-0685 WK 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,456.88	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	728.44	
For >80 Hours Usage Per Week, Add	1,456.88	
01 22 23 00-0686 MO 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,962.70	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,981.35	
For >320 Hours Usage Per Month, Add	3,962.70	
01 22 23 00-0687 DAY 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	611.89	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	305.95	
For >16 To 24 Hours Usage Per Day, Add	611.89	
01 22 23 00-0688 WK 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,689.98	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	844.99	
For >80 Hours Usage Per Week, Add	1,689.98	
01 22 23 00-0689 MO 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,545.45	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,272.73	
For >320 Hours Usage Per Month, Add	4,545.45	
01 22 23 00-0690 DAY 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	641.02	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	320.51	
For >16 To 24 Hours Usage Per Day, Add	641.02	
01 22 23 00-0691 WK 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,777.39	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	888.70	
For >80 Hours Usage Per Week, Add	1,777.39	
01 22 23 00-0692 MO 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,011.65	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,505.83	
For >320 Hours Usage Per Month, Add	5,011.65	
01 22 23 00-0693 DAY 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	670.16	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	335.08	
For >16 To 24 Hours Usage Per Day, Add	670.16	
01 22 23 00-0694 WK 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,923.08	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	961.54	
For >80 Hours Usage Per Week, Add	1,923.08	
01 22 23 00-0695 MO 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,244.75	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,622.38	
For >320 Hours Usage Per Month, Add	5,244.75	
01 22 23 00-0696 DAY 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	699.30	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	349.65	
For >16 To 24 Hours Usage Per Day, Add	699.30	
01 22 23 00-0697 WK 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,039.62	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,019.81	
For >80 Hours Usage Per Week, Add	2,039.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0698 MO 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....5,477.85 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 2,738.93 <i>For >320 Hours Usage Per Month, Add</i> 5,477.85		
01 22 23 00-0699 DAY 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....699.30 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 349.65 <i>For >16 To 24 Hours Usage Per Day, Add</i> 699.30		
01 22 23 00-0700 WK 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,039.62 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,019.81 <i>For >80 Hours Usage Per Week, Add</i> 2,039.62		
01 22 23 00-0701 MO 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....5,477.85 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 2,738.93 <i>For >320 Hours Usage Per Month, Add</i> 5,477.85		
01 22 23 00-0702 DAY 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....961.54 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 480.77 <i>For >16 To 24 Hours Usage Per Day, Add</i> 961.54		
01 22 23 00-0703 WK 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,389.28 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,194.64 <i>For >80 Hours Usage Per Week, Add</i> 2,389.28		
01 22 23 00-0704 MO 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....6,993.00 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,496.50 <i>For >320 Hours Usage Per Month, Add</i> 6,993.00		
01 22 23 00-0705 DAY 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,019.81 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 509.91 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,019.81		
01 22 23 00-0706 WK 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,447.55 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,223.78 <i>For >80 Hours Usage Per Week, Add</i> 2,447.55		
01 22 23 00-0707 MO 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,226.10 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,613.05 <i>For >320 Hours Usage Per Month, Add</i> 7,226.10		
01 22 23 00-0708 DAY 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,078.09 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 539.05 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,078.09		
01 22 23 00-0709 WK 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,505.82 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,252.91 <i>For >80 Hours Usage Per Week, Add</i> 2,505.82		
01 22 23 00-0710 MO 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,459.20 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,729.60 <i>For >320 Hours Usage Per Month, Add</i> 7,459.20		
01 22 23 00-0711 DAY 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,113.05 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 556.53 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,113.05		
01 22 23 00-0712 WK 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,680.65 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,340.33 <i>For >80 Hours Usage Per Week, Add</i> 2,680.65		
01 22 23 00-0713 MO 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,925.40 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,962.70 <i>For >320 Hours Usage Per Month, Add</i> 7,925.40		
01 22 23 00-0714 DAY 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,165.50 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 582.75 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,165.50		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0715 WK 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,030.30	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,515.15	
For >80 Hours Usage Per Week, Add	3,030.30	
01 22 23 00-0716 MO 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,741.25	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	4,370.63	
For >320 Hours Usage Per Month, Add	8,741.25	
01 22 23 00-0717 DAY 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,108.92	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,054.46	
For >16 To 24 Hours Usage Per Day, Add	2,108.92	
01 22 23 00-0718 WK 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,452.56	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,726.28	
For >80 Hours Usage Per Week, Add	5,452.56	
01 22 23 00-0719 MO 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	14,420.00	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	7,210.00	
For >320 Hours Usage Per Month, Add	14,420.00	
01 22 23 00-0720 DAY 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,703.75	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,351.88	
For >16 To 24 Hours Usage Per Day, Add	2,703.75	
01 22 23 00-0721 WK 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,029.75	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,514.88	
For >80 Hours Usage Per Week, Add	7,029.75	
01 22 23 00-0722 MO 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,222.50	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	8,111.25	
For >320 Hours Usage Per Month, Add	16,222.50	
01 22 23 00-0723 DAY 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,343.64	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,671.82	
For >16 To 24 Hours Usage Per Day, Add	3,343.64	
01 22 23 00-0724 WK 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	8,832.25	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	4,416.13	
For >80 Hours Usage Per Week, Add	8,832.25	
01 22 23 00-0725 MO 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	21,630.00	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	10,815.00	
For >320 Hours Usage Per Month, Add	21,630.00	
01 22 23 00-0726 DAY 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,614.01	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,807.01	
For >16 To 24 Hours Usage Per Day, Add	3,614.01	
01 22 23 00-0727 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	8,327.55	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	4,163.78	
For >80 Hours Usage Per Week, Add	8,327.55	
01 22 23 00-0728 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	24,982.65	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	12,491.33	
For >320 Hours Usage Per Month, Add	24,982.65	
01 22 23 00-0729 DAY 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	4,100.69	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
01 22 23 00-0730 WK 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	10,715.86	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
01 22 23 00-0731 MO 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	29,353.71	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
01 22 23 00-0732 DAY 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,407.50	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
01 22 23 00-0733 WK 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,222.50	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0734 MO 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	46,513.51	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
01 22 23 00-0735 DAY 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,128.89	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
01 22 23 00-0736 WK 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	17,826.72	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
01 22 23 00-0737 MO 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	48,667.50	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
01 22 23 00-0738 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	926.18	
01 22 23 00-0739 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,502.72	
01 22 23 00-0740 EA 1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up	2,539.24	
01 22 23 00-0741 Cabling For Generator Sets (01 22 23 00-0651)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0742 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set	25.64	
01 22 23 00-0743 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set	44.87	
01 22 23 00-0744 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set	134.62	
01 22 23 00-0745 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	12.82	
01 22 23 00-0746 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	37.30	
01 22 23 00-0747 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	103.73	
01 22 23 00-0748 Generator Accessories (01 22 23 00-0651)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0749 Step Down Transformer (01 22 23 00-0748)		
01 22 23 00-0750 WK 75 KVA, 480-208 Volt, Step Down Transformer	343.82	
01 22 23 00-0751 MO 75 KVA, 480-208 Volt, Step Down Transformer	961.54	
01 22 23 00-0752 WK 150 KVA, 480-208 Volt, Step Down Transformer	551.28	
01 22 23 00-0753 MO 150 KVA, 480-208 Volt, Step Down Transformer	1,652.68	
01 22 23 00-0754 WK 225 KVA, 480-208 Volt, Step Down Transformer	734.26	
01 22 23 00-0755 MO 225 KVA, 480-208 Volt, Step Down Transformer	2,202.80	
01 22 23 00-0756 WK 500 KVA, 480-208 Volt, Step Down Transformer	874.12	
01 22 23 00-0757 MO 500 KVA, 480-208 Volt, Step Down Transformer	2,622.38	
01 22 23 00-0758 WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,305.36	
01 22 23 00-0759 MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,898.60	
01 22 23 00-0760 WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,121.21	
01 22 23 00-0761 MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,357.80	
01 22 23 00-0762 WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,447.55	
01 22 23 00-0763 MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,342.65	
01 22 23 00-0764 Portable Panel (01 22 23 00-0748)		
01 22 23 00-0765 WK 100 Amperes, Portable Panel.....	273.89	
01 22 23 00-0766 MO 100 Amperes, Portable Panel.....	699.30	
01 22 23 00-0767 WK 200 Amperes, Portable Panel.....	327.51	
01 22 23 00-0768 MO 200 Amperes, Portable Panel.....	874.12	
01 22 23 00-0769 WK 400 Amperes, Portable Panel.....	349.65	
01 22 23 00-0770 MO 400 Amperes, Portable Panel.....	1,048.95	
01 22 23 00-0771 Portable Fusible Disconnect (01 22 23 00-0748)		
01 22 23 00-0772 WK 100 - 200 Amperes, Portable Fusible Disconnect.....	122.38	
01 22 23 00-0773 MO 100 - 200 Amperes, Portable Fusible Disconnect.....	367.13	
01 22 23 00-0774 WK 300 - 400 Amperes, Portable Fusible Disconnect.....	244.76	
01 22 23 00-0775 MO 300 - 400 Amperes, Portable Fusible Disconnect.....	734.26	
01 22 23 00-0776 Portable Transfer Switch (01 22 23 00-0748)		
01 22 23 00-0777 WK 100 Amperes, 480 Volt, Portable Transfer Switch	367.13	
01 22 23 00-0778 MO 100 Amperes, 480 Volt, Portable Transfer Switch	1,101.40	
01 22 23 00-0779 WK 200 Amperes, 480 Volt, Portable Transfer Switch	489.51	
01 22 23 00-0780 MO 200 Amperes, 480 Volt, Portable Transfer Switch	1,468.53	
01 22 23 00-0781 WK 400 Amperes, 480 Volt, Portable Transfer Switch	611.89	
01 22 23 00-0782 MO 400 Amperes, 480 Volt, Portable Transfer Switch	1,835.66	
01 22 23 00-0783 Resistive Loadbanks For Generator Sets (01 22 23 00-0651)		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0804 for reimbursable fuel fees.		
01 22 23 00-0784 DAY 100 KW A/C Resistive Loadbank.....	358.17	
01 22 23 00-0785 WK 100 KW A/C Resistive Loadbank.....	681.23	
01 22 23 00-0786 MO 100 KW A/C Resistive Loadbank.....	1,861.08	
01 22 23 00-0787 DAY 650 KW A/C Resistive Loadbank.....	765.04	
01 22 23 00-0788 WK 650 KW A/C Resistive Loadbank.....	2,045.91	
01 22 23 00-0789 MO 650 KW A/C Resistive Loadbank.....	5,216.21	

01	01	General Requirements
	01 20	Price and Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0790 Sub-Distribution Panels (Spider Box) For Generator Sets <small>(01 22 23 00-0651)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0791 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	62.94	
01 22 23 00-0792 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	163.17	
01 22 23 00-0793 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	460.37	
01 22 23 00-0794 Portable Distribution Panels For Generator Sets <small>(01 22 23 00-0651)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0795 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	139.86	
01 22 23 00-0796 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	378.79	
01 22 23 00-0797 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,060.60	
01 22 23 00-0798 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	114.22	
01 22 23 00-0799 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	297.20	
01 22 23 00-0800 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	844.99	
01 22 23 00-0801 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	145.69	
01 22 23 00-0802 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	367.13	
01 22 23 00-0803 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	996.50	
01 22 23 00-0804 Fuel Reimbursement For Generators <small>(01 22 23 00-0651)</small>		
01 22 23 00-0805 EA Fuel Reimbursement For Generators	1.00	
<i>Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.</i>		
01 22 23 00-0806 Portable Floor Drying Fans <small>(01 22 23 00-0636)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</i>		
01 22 23 00-0807 DAY 2,250 CFM Portable Floor Drying Fan	31.35	
01 22 23 00-0808 WK 2,250 CFM Portable Floor Drying Fan	144.97	
01 22 23 00-0809 MO 2,250 CFM Portable Floor Drying Fan	479.98	
01 22 23 00-0810 Welding Machines <small>(01 22 23 00-0636)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</i>		
01 22 23 00-0811 CC/CV Inverter Welder <small>(01 22 23 00-0810)</small>		
<i>Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0804 for reimbursable fuel fees.</i>		
01 22 23 00-0812 DAY 250 Amperes, CC Inverter Welder	43.29	
01 22 23 00-0813 WK 250 Amperes, CC Inverter Welder	94.30	
01 22 23 00-0814 MO 250 Amperes, CC Inverter Welder	285.99	
01 22 23 00-0815 DAY 300 Amperes, CC/CV Inverter Welder	49.47	
01 22 23 00-0816 WK 300 Amperes, CC/CV Inverter Welder	131.40	
01 22 23 00-0817 MO 300 Amperes, CC/CV Inverter Welder	347.83	
01 22 23 00-0818 DAY 350 Amperes, CC/CV Inverter Welder	51.01	
01 22 23 00-0819 WK 350 Amperes, CC/CV Inverter Welder	134.49	
01 22 23 00-0820 MO 350 Amperes, CC/CV Inverter Welder	378.75	
01 22 23 00-0821 MIG Welder <small>(01 22 23 00-0810)</small>		
<i>Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0804 for reimbursable fuel fees.</i>		
01 22 23 00-0822 DAY 115 Volt MIG Welder	74.20	
01 22 23 00-0823 WK 115 Volt MIG Welder	193.24	
01 22 23 00-0824 MO 115 Volt MIG Welder	525.61	
01 22 23 00-0825 Diesel Powered Towable Welding Machines <small>(01 22 23 00-0810)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</i>		
01 22 23 00-0826 DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine	139.13	
01 22 23 00-0827 WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine	340.10	
01 22 23 00-0828 MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine	811.60	
01 22 23 00-0829 DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine	185.51	
01 22 23 00-0830 WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine	363.29	
01 22 23 00-0831 MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine	848.70	
01 22 23 00-0832 DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine	193.24	
01 22 23 00-0833 WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine	386.48	
01 22 23 00-0834 MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine	943.00	
01 22 23 00-0835 General Equipment <small>(01 22 23)</small>		
01 22 23 00-0836 Jacks And Bracing <small>(01 22 23 00-0835)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0837 Manual Hydraulic Jacks <small>(01 22 23 00-0836)</small>		
01 22 23 00-0838 DAY 12 Ton Manual Hydraulic Bottle Jack	1.67	
01 22 23 00-0839 WK 12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0840 MO 12 Ton Manual Hydraulic Bottle Jack	28.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0841	DAY		20 Ton Manual Hydraulic Bottle Jack	2.92	
01 22 23 00-0842	WK		20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0843	MO		20 Ton Manual Hydraulic Bottle Jack	34.76	
01 22 23 00-0844	DAY		50 Ton Manual Hydraulic Bottle Jack	10.43	
01 22 23 00-0845	WK		50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0846	MO		50 Ton Manual Hydraulic Bottle Jack	145.66	
01 22 23 00-0847	DAY		100 Ton Manual Hydraulic Bottle Jack	14.61	
01 22 23 00-0848	WK		100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0849	MO		100 Ton Manual Hydraulic Bottle Jack	210.46	
01 22 23 00-0850 Manual Screw Jacks (01 22 23 00-0836)					
01 22 23 00-0851	DAY		10 To 20 Ton Manual Screw Jack	17.63	
01 22 23 00-0852	WK		10 To 20 Ton Manual Screw Jack	46.66	
01 22 23 00-0853	MO		10 To 20 Ton Manual Screw Jack	139.98	
01 22 23 00-0854 Pressure Washers (01 22 23 00-0835)					
Note: Includes delivery to job site, pick-up when complete and full time operator.					
01 22 23 00-0855	DAY		2,000 PSI Pressure Washer With Full-Time Operator	830.52	
			<i>For Equipment Without Operator, Deduct</i>	-670.06	
01 22 23 00-0856	WK		2,000 PSI Pressure Washer With Full-Time Operator	3,757.64	
			<i>For Equipment Without Operator, Deduct</i>	-3,350.32	
01 22 23 00-0857	MO		2,000 PSI Pressure Washer With Full-Time Operator	15,554.85	
			<i>For Equipment Without Operator, Deduct</i>	-14,518.04	
01 22 23 00-0858	DAY		2,500 PSI Pressure Washer With Full-Time Operator	830.52	
			<i>For Equipment Without Operator, Deduct</i>	-670.06	
01 22 23 00-0859	WK		2,500 PSI Pressure Washer With Full-Time Operator	3,757.64	
			<i>For Equipment Without Operator, Deduct</i>	-3,350.32	
01 22 23 00-0860	MO		2,500 PSI Pressure Washer With Full-Time Operator	15,554.85	
			<i>For Equipment Without Operator, Deduct</i>	-14,518.04	
01 22 23 00-0861	DAY		3,000 PSI Pressure Washer With Full-Time Operator	830.52	
			<i>For Equipment Without Operator, Deduct</i>	-670.06	
01 22 23 00-0862	WK		3,000 PSI Pressure Washer With Full-Time Operator	3,757.64	
			<i>For Equipment Without Operator, Deduct</i>	-3,350.32	
01 22 23 00-0863	MO		3,000 PSI Pressure Washer With Full-Time Operator	15,554.85	
			<i>For Equipment Without Operator, Deduct</i>	-14,518.04	
01 22 23 00-0864	DAY		3,500 PSI Pressure Washer With Full-Time Operator	842.86	
			<i>For Equipment Without Operator, Deduct</i>	-670.06	
01 22 23 00-0865	WK		3,500 PSI Pressure Washer With Full-Time Operator	3,794.67	
			<i>For Equipment Without Operator, Deduct</i>	-3,350.32	
01 22 23 00-0866	MO		3,500 PSI Pressure Washer With Full-Time Operator	15,653.60	
			<i>For Equipment Without Operator, Deduct</i>	-14,518.04	
01 22 23 00-0867	DAY		4,000 PSI Pressure Washer With Full-Time Operator	892.23	
			<i>For Equipment Without Operator, Deduct</i>	-670.06	
01 22 23 00-0868	WK		4,000 PSI Pressure Washer With Full-Time Operator	3,955.13	
			<i>For Equipment Without Operator, Deduct</i>	-3,350.32	
01 22 23 00-0869	MO		4,000 PSI Pressure Washer With Full-Time Operator	16,209.03	
			<i>For Equipment Without Operator, Deduct</i>	-14,518.04	
01 22 23 00-0870	DAY		5,000 PSI Pressure Washer With Full-Time Operator	916.92	
			<i>For Equipment Without Operator, Deduct</i>	-670.06	
01 22 23 00-0871	WK		5,000 PSI Pressure Washer With Full-Time Operator	4,016.84	
			<i>For Equipment Without Operator, Deduct</i>	-3,350.32	
01 22 23 00-0872	MO		5,000 PSI Pressure Washer With Full-Time Operator	16,394.18	
			<i>For Equipment Without Operator, Deduct</i>	-14,518.04	
01 22 23 00-0873 Confined Space Entry Equipment (01 22 23 00-0835)					
Note: Includes delivery to job site, set-up, and pick-up when complete.					
01 22 23 00-0874	DAY		Ventilation Equipment For Confined Space	43.67	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0875	WK		Ventilation Equipment For Confined Space	131.01	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0876	MO		Ventilation Equipment For Confined Space	390.96	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0877	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	63.75	
01 22 23 00-0878	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	191.26	
01 22 23 00-0879	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	573.79	
01 22 23 00-0880	DAY		Confined Space Air Monitor Personnel	854.61	
			Note: Per person day.		
01 22 23 00-0881 Direct Fired Space Heaters (01 22 23 00-0835)					
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.					
01 22 23 00-0882	DAY		150,000 BTU/Hour Space Heater	75.08	
01 22 23 00-0883	WK		150,000 BTU/Hour Space Heater	215.84	
01 22 23 00-0884	MO		150,000 BTU/Hour Space Heater	609.99	
01 22 23 00-0885	DAY		500,000 BTU/Hour Space Heater	159.54	
01 22 23 00-0886	WK		500,000 BTU/Hour Space Heater	394.15	
01 22 23 00-0887	MO		500,000 BTU/Hour Space Heater	996.63	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0888

Mowers (01 22 23 00-0835)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0889	DAY	21" Walk Behind Lawn Mower	93.26
01 22 23 00-0890	WK	21" Walk Behind Lawn Mower	268.12
01 22 23 00-0891	MO	21" Walk Behind Lawn Mower	547.90
01 22 23 00-0892	DAY	32" Walk Behind Lawn Mower	116.58
01 22 23 00-0893	WK	32" Walk Behind Lawn Mower	279.78
01 22 23 00-0894	MO	32" Walk Behind Lawn Mower	582.88
01 22 23 00-0895	DAY	36" To 48" Walk Behind Deck Mower	209.84
01 22 23 00-0896	WK	36" To 48" Walk Behind Deck Mower	582.88
01 22 23 00-0897	MO	36" To 48" Walk Behind Deck Mower	1,690.34
01 22 23 00-0898	DAY	61" To 72" Walk Behind Deck Mower	209.84
01 22 23 00-0899	WK	61" To 72" Walk Behind Deck Mower	582.88
01 22 23 00-0900	MO	61" To 72" Walk Behind Deck Mower	1,690.34

01 22 23 00-0901

Trailer Mounted Brush Chipper (01 22 23 00-0835)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0902	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	236.59
01 22 23 00-0903	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	565.76
01 22 23 00-0904	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,738.42
01 22 23 00-0905	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	308.60
01 22 23 00-0906	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	695.37
01 22 23 00-0907	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,851.57
01 22 23 00-0908	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	576.04
01 22 23 00-0909	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,296.10
01 22 23 00-0910	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,456.26
01 22 23 00-0911	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	562.21
01 22 23 00-0912	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,264.98
01 22 23 00-0913	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,373.27

01 22 23 00-0914

Material Handling Equipment (01 22 23)

01 22 23 00-0915

Truck Mounted Hydraulic Cranes (01 22 23 00-0914)

Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-0916	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,357.04
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0917	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,923.91
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85
01 22 23 00-0918	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	23,917.73
		<i>For Equipment Without Operator, Deduct</i>	-19,932.68
01 22 23 00-0919	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,472.73
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0920	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,267.79
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85
01 22 23 00-0921	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	24,946.13
		<i>For Equipment Without Operator, Deduct</i>	-19,932.68
01 22 23 00-0922	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,588.43
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0923	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,611.66
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85
01 22 23 00-0924	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	25,974.53
		<i>For Equipment Without Operator, Deduct</i>	-19,932.68
01 22 23 00-0925	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,742.69
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0926	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,074.44
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85
01 22 23 00-0927	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,356.44
		<i>For Equipment Without Operator, Deduct</i>	-19,932.68
01 22 23 00-0928	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,884.09
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0929	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,032.13
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85
01 22 23 00-0930	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,226.96
		<i>For Equipment Without Operator, Deduct</i>	-19,932.68
01 22 23 00-0931	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,218.33
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0932	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,227.65
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85
01 22 23 00-0933	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,816.08
		<i>For Equipment Without Operator, Deduct</i>	-19,932.68
01 22 23 00-0934	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,430.43
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0935	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,973.24
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85
01 22 23 00-0936	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	36,057.99
		<i>For Equipment Without Operator, Deduct</i>	-19,932.68
01 22 23 00-0937	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,597.55
		<i>For Equipment Without Operator, Deduct</i>	-919.97
01 22 23 00-0938	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,577.43
		<i>For Equipment Without Operator, Deduct</i>	-4,599.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0939 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,867.98	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0940 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,764.66	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0941 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,181.61	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0942 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,677.96	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0943 DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,873.93	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0944 WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,554.41	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0945 MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	40,809.20	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0946 DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,021.76	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0947 WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,107.17	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0948 MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,454.64	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0949 DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,497.40	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
<i>For Half Day Usage, Deduct</i>	-1,030.97	
01 22 23 00-0950 WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,620.85	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0951 MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,995.67	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0952 DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,825.20	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
<i>For Half Day Usage, Deduct</i>	-1,162.09	
01 22 23 00-0953 WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,768.15	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0954 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	50,437.60	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0955 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,416.53	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
<i>For Half Day Usage, Deduct</i>	-1,398.62	
01 22 23 00-0956 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,837.81	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0957 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	56,646.56	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0958 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,827.89	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
<i>For Half Day Usage, Deduct</i>	-1,563.17	
01 22 23 00-0959 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,277.57	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0960 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	60,965.84	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0961 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0914)		
Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.		
01 22 23 00-0962 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,462.57	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0963 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	10,101.79	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0964 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	36,438.50	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0965 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,651.66	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0966 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	12,081.46	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0967 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	42,377.51	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0968 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	3,844.48	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0969 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	13,489.08	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0970 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	46,599.09	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0971 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,230.13	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0972 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	14,896.71	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0973 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	50,815.53	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0974 DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,413.32	
<i>For Equipment Without Operator, Deduct</i>	-919.97	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0975 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	16,304.33	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0976 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	55,042.26	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0977 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,596.50	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0978 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	17,711.95	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0979 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	59,268.98	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0980 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,200.69	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0981 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,878.02	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0982 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	65,758.18	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0983 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	8,915.78	
<i>For Equipment Without Operator, Deduct</i>	-919.97	
01 22 23 00-0984 WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	33,118.67	
<i>For Equipment Without Operator, Deduct</i>	-4,599.85	
01 22 23 00-0985 MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	105,495.56	
<i>For Equipment Without Operator, Deduct</i>	-19,932.68	
01 22 23 00-0986 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0914)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0987 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,508.67	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
01 22 23 00-0988 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	5,873.76	
<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
01 22 23 00-0989 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	21,958.91	
<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
01 22 23 00-0990 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,577.51	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
01 22 23 00-0991 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,028.66	
<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
01 22 23 00-0992 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	22,303.15	
<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
01 22 23 00-0993 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,560.30	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
01 22 23 00-0994 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,106.12	
<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
01 22 23 00-0995 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	22,819.51	
<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
01 22 23 00-0996 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,758.24	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
01 22 23 00-0997 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,622.48	
<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
01 22 23 00-0998 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,024.35	
<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
01 22 23 00-0999 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0914)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1000 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,279.75	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.03	
01 22 23 00-1001 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,433.99	
<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	232.19	
01 22 23 00-1002 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	21,173.61	
<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	531.42	
01 22 23 00-1003 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,302.12	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	89.50	
01 22 23 00-1004 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,495.09	
<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	244.41	
01 22 23 00-1005 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	21,313.46	
<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	559.39	
01 22 23 00-1006 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,422.61	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	113.60	
01 22 23 00-1007 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,830.73	
<i>For Equipment Without Operator, Deduct</i>	-4,273.04	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	311.54	
01 22 23 00-1008 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	22,088.00	
<i>For Equipment Without Operator, Deduct</i>	-18,516.51	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	714.30	
01 22 23 00-1009 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,488.96	
<i>For Equipment Without Operator, Deduct</i>	-854.61	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	126.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1010 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,801.98 -4,273.04 305.79	
01 22 23 00-1011 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	22,322.60 -18,516.51 761.22	
01 22 23 00-1012 Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0914)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1013 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,216.06 -854.61 72.29	
01 22 23 00-1014 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,099.22 -4,273.04 165.24	
01 22 23 00-1015 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	20,495.89 -18,516.51 395.88	
01 22 23 00-1016 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,224.67 -854.61 74.01	
01 22 23 00-1017 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,125.03 -4,273.04 170.40	
01 22 23 00-1018 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	20,556.13 -18,516.51 407.92	
01 22 23 00-1019 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,405.39 -854.61 110.16	
01 22 23 00-1020 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,520.91 -4,273.04 249.57	
01 22 23 00-1021 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	21,528.61 -18,516.51 602.42	
01 22 23 00-1022 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,422.61 -854.61 113.60	
01 22 23 00-1023 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,667.21 -4,273.04 278.83	
01 22 23 00-1024 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	22,044.97 -18,516.51 705.69	
01 22 23 00-1025 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,577.51 -854.61 144.58	
01 22 23 00-1026 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,916.79 -4,273.04 328.75	
01 22 23 00-1027 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	22,475.27 -18,516.51 791.75	
01 22 23 00-1028 Chain Hoists <small>(01 22 23 00-0914)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1029 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	12.52	
01 22 23 00-1030 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	32.55	
01 22 23 00-1031 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	96.40	
01 22 23 00-1032 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	35.06	
01 22 23 00-1033 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	82.63	
01 22 23 00-1034 MO 3 Ton, 20' Lift, Manual Chain Hoist.....	231.62	
01 22 23 00-1035 DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	45.07	
01 22 23 00-1036 WK 5 Ton, 20' Lift, Manual Chain Hoist.....	121.44	
01 22 23 00-1037 MO 5 Ton, 20' Lift, Manual Chain Hoist.....	338.04	
01 22 23 00-1038 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
01 22 23 00-1039 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1040 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
01 22 23 00-1041 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
01 22 23 00-1042 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1043 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
01 22 23 00-1044 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
01 22 23 00-1045 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1046 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
01 22 23 00-1047 Roof Swing Hoist <small>(01 22 23 00-0914)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1048 DAY Up To 400 Lbs, Manual Swing Roof Hoist.....	99.66	
01 22 23 00-1049 WK Up To 400 Lbs, Manual Swing Roof Hoist.....	348.83	
01 22 23 00-1050 MO Up To 400 Lbs, Manual Swing Roof Hoist.....	1,195.98	

01	01	General Requirements
	01 20	Price and Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1051	Truck Mounted Digger Derrick <small>(01 22 23 00-0914)</small>	
Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.		
01 22 23 00-1052 DAY Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	1,528.50	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1053 WK Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	6,425.44	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1054 MO Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	24,800.91	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1055 DAY Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	1,653.58	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1056 WK Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	6,800.67	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1057 MO Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	25,801.54	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1058 DAY Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	2,426.49	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1059 WK Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	9,119.40	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1060 MO Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	31,984.82	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-1061	Pumping Equipment <small>(01 22 23)</small>	
01 22 23 00-1062	Gas Powered Portable Centrifugal Pumps <small>(01 22 23 00-1061)</small>	
Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1086 for larger diameter pumps.		
01 22 23 00-1063 DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	72.56	
01 22 23 00-1064 WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	163.27	
01 22 23 00-1065 MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	435.38	
01 22 23 00-1066 DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	87.08	
01 22 23 00-1067 WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	195.92	
01 22 23 00-1068 MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	522.46	
01 22 23 00-1069	Gas Powered Portable Diaphragm Pumps <small>(01 22 23 00-1061)</small>	
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1070 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	83.45	
01 22 23 00-1071 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	235.83	
01 22 23 00-1072 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	598.65	
01 22 23 00-1073 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	101.59	
01 22 23 00-1074 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	272.12	
01 22 23 00-1075 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	770.99	
01 22 23 00-1076	Gas Powered Portable Trash Pumps <small>(01 22 23 00-1061)</small>	
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1077 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	105.22	
01 22 23 00-1078 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	217.69	
01 22 23 00-1079 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	653.08	
01 22 23 00-1080 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	105.22	
01 22 23 00-1081 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	281.19	
01 22 23 00-1082 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	770.99	
01 22 23 00-1083 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	166.90	
01 22 23 00-1084 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	471.67	
01 22 23 00-1085 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,369.65	
01 22 23 00-1086	Diesel Powered Portable Trash Pumps <small>(01 22 23 00-1061)</small>	
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1087 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	326.54	
01 22 23 00-1088 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	888.91	
01 22 23 00-1089 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,873.10	
01 22 23 00-1090 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	498.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1091	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,306.15	
01 22 23 00-1092	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,474.00	
01 22 23 00-1093	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	678.47	
01 22 23 00-1094	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,815.91	
01 22 23 00-1095	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,858.16	
01 22 23 00-1096	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	878.02	
01 22 23 00-1097	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,242.23	
01 22 23 00-1098	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	6,585.18	
01 22 23 00-1099			Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1061)		
Note: Includes delivery, set-up, and removal. Excludes operator.					
01 22 23 00-1100	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	466.22	
01 22 23 00-1101	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,061.25	
01 22 23 00-1102	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,308.92	
01 22 23 00-1103	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	571.44	
01 22 23 00-1104	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,424.07	
01 22 23 00-1105	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,873.10	
01 22 23 00-1106	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	689.36	
01 22 23 00-1107	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,039.05	
01 22 23 00-1108	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	5,687.20	
01 22 23 00-1109	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,037.67	
01 22 23 00-1110	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,650.40	
01 22 23 00-1111	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	7,782.49	
01 22 23 00-1112			3 Phase Electric Submersible Pumps (01 22 23 00-1061)		
Note: Includes delivery, set-up, and removal. Excludes operator.					
01 22 23 00-1113	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	181.41	
01 22 23 00-1114	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	453.52	
01 22 23 00-1115	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,360.58	
01 22 23 00-1116	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	239.46	
01 22 23 00-1117	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	598.65	
01 22 23 00-1118	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,795.96	
01 22 23 00-1119			Suction Hose With Couplings (01 22 23 00-1061)		
Note: Includes delivery, set-up, and removal.					
01 22 23 00-1120	DAY		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	5.28	
01 22 23 00-1121	WK		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	13.20	
01 22 23 00-1122	MO		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	40.48	
01 22 23 00-1123	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings	14.08	
01 22 23 00-1124	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings	36.08	
01 22 23 00-1125	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings	110.00	
01 22 23 00-1126	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings	21.12	
01 22 23 00-1127	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings	53.68	
01 22 23 00-1128	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings	162.80	
01 22 23 00-1129	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings	26.40	
01 22 23 00-1130	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings	66.00	
01 22 23 00-1131	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings	193.60	
01 22 23 00-1132	DAY		10" Inside Diameter, 20' Length, Suction Hose With Couplings	61.60	
01 22 23 00-1133	WK		10" Inside Diameter, 20' Length, Suction Hose With Couplings	158.40	
01 22 23 00-1134	MO		10" Inside Diameter, 20' Length, Suction Hose With Couplings	466.40	
01 22 23 00-1135	DAY		12" Inside Diameter, 20' Length, Suction Hose With Couplings	82.72	
01 22 23 00-1136	WK		12" Inside Diameter, 20' Length, Suction Hose With Couplings	180.40	
01 22 23 00-1137	MO		12" Inside Diameter, 20' Length, Suction Hose With Couplings	541.20	
01 22 23 00-1138			Discharge Hose With Couplings (01 22 23 00-1061)		
Note: Includes delivery, set-up, and removal.					
01 22 23 00-1139	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.28	
01 22 23 00-1140	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	13.20	
01 22 23 00-1141	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	40.48	
01 22 23 00-1142	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.16	
01 22 23 00-1143	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.96	
01 22 23 00-1144	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	46.64	
01 22 23 00-1145	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.04	
01 22 23 00-1146	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	17.60	
01 22 23 00-1147	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	53.68	
01 22 23 00-1148	DAY		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.48	
01 22 23 00-1149	WK		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	47.52	
01 22 23 00-1150	MO		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	136.40	
01 22 23 00-1151	DAY		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.88	
01 22 23 00-1152	WK		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	62.48	
01 22 23 00-1153	MO		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	171.60	
01 22 23 00-1154	DAY		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	17.60	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1155 WK 10" Inside Diameter, 10' Length, Discharge Hose With Couplings	44.00	
01 22 23 00-1156 MO 10" Inside Diameter, 10' Length, Discharge Hose With Couplings	132.00	
01 22 23 00-1157 DAY 12" Inside Diameter, 10' Length, Discharge Hose With Couplings	44.88	
01 22 23 00-1158 WK 12" Inside Diameter, 10' Length, Discharge Hose With Couplings	114.40	
01 22 23 00-1159 MO 12" Inside Diameter, 10' Length, Discharge Hose With Couplings	338.80	
01 22 23 00-1160 Hydraulic Submersible Pumps (01 22 23 00-1061)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1161 Hydraulic Submersible Pumps (01 22 23 00-1160)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1162 DAY 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	119.73	
01 22 23 00-1163 WK 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	321.10	
01 22 23 00-1164 MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	897.98	
01 22 23 00-1165 DAY 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	152.38	
01 22 23 00-1166 WK 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	391.85	
01 22 23 00-1167 MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,197.31	
01 22 23 00-1168 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1160)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1169 DAY 100 HP, Hydraulic Submersible Pump Diesel Power Pack	276.65	
01 22 23 00-1170 WK 100 HP, Hydraulic Submersible Pump Diesel Power Pack	825.42	
01 22 23 00-1171 MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,176.92	
01 22 23 00-1172 HDPE Pipe With Couplings (01 22 23 00-1061)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-1173 DAY 4" x 20' HDPE Pipe With Couplings	16.48	
01 22 23 00-1174 WK 4" x 20' HDPE Pipe With Couplings	39.55	
01 22 23 00-1175 MO 4" x 20' HDPE Pipe With Couplings	121.95	
01 22 23 00-1176 DAY 6" x 20' HDPE Pipe With Couplings	26.37	
01 22 23 00-1177 WK 6" x 20' HDPE Pipe With Couplings	65.92	
01 22 23 00-1178 MO 6" x 20' HDPE Pipe With Couplings	201.05	
01 22 23 00-1179 DAY 8" x 20' HDPE Pipe With Couplings	42.85	
01 22 23 00-1180 WK 8" x 20' HDPE Pipe With Couplings	112.06	
01 22 23 00-1181 MO 8" x 20' HDPE Pipe With Couplings	332.89	
01 22 23 00-1182 DAY 10" x 20' HDPE Pipe With Couplings	52.73	
01 22 23 00-1183 WK 10" x 20' HDPE Pipe With Couplings	135.13	
01 22 23 00-1184 MO 10" x 20' HDPE Pipe With Couplings	411.99	
01 22 23 00-1185 DAY 12" x 10' HDPE Pipe With Couplings	39.55	
01 22 23 00-1186 WK 12" x 10' HDPE Pipe With Couplings	108.76	
01 22 23 00-1187 MO 12" x 10' HDPE Pipe With Couplings	329.59	
01 22 23 00-1188 DAY 4" Elbow For HDPE Pipe, Quick Connect	39.55	
01 22 23 00-1189 WK 4" Elbow For HDPE Pipe, Quick Connect	102.17	
01 22 23 00-1190 MO 4" Elbow For HDPE Pipe, Quick Connect	303.22	
01 22 23 00-1191 DAY 6" Elbow For HDPE Pipe, Quick Connect	46.14	
01 22 23 00-1192 WK 6" Elbow For HDPE Pipe, Quick Connect	118.65	
01 22 23 00-1193 MO 6" Elbow For HDPE Pipe, Quick Connect	362.55	
01 22 23 00-1194 DAY 8" Elbow For HDPE Pipe, Quick Connect	52.73	
01 22 23 00-1195 WK 8" Elbow For HDPE Pipe, Quick Connect	135.13	
01 22 23 00-1196 MO 8" Elbow For HDPE Pipe, Quick Connect	411.99	
01 22 23 00-1197 DAY 10" Elbow For HDPE Pipe, Quick Connect	65.92	
01 22 23 00-1198 WK 10" Elbow For HDPE Pipe, Quick Connect	168.09	
01 22 23 00-1199 MO 10" Elbow For HDPE Pipe, Quick Connect	510.86	
01 22 23 00-1200 DAY 12" Elbow For HDPE Pipe, Quick Connect	65.92	
01 22 23 00-1201 WK 12" Elbow For HDPE Pipe, Quick Connect	168.09	
01 22 23 00-1202 MO 12" Elbow For HDPE Pipe, Quick Connect	510.86	
01 22 23 00-1203 DAY 4" Tee For HDPE Pipe, Quick Connect	39.55	
01 22 23 00-1204 WK 4" Tee For HDPE Pipe, Quick Connect	102.17	
01 22 23 00-1205 MO 4" Tee For HDPE Pipe, Quick Connect	303.22	
01 22 23 00-1206 DAY 6" Tee For HDPE Pipe, Quick Connect	52.73	
01 22 23 00-1207 WK 6" Tee For HDPE Pipe, Quick Connect	135.13	
01 22 23 00-1208 MO 6" Tee For HDPE Pipe, Quick Connect	411.99	
01 22 23 00-1209 DAY 8" Tee For HDPE Pipe, Quick Connect	65.92	
01 22 23 00-1210 WK 8" Tee For HDPE Pipe, Quick Connect	168.09	
01 22 23 00-1211 MO 8" Tee For HDPE Pipe, Quick Connect	510.86	
01 22 23 00-1212 DAY 10" Tee For HDPE Pipe, Quick Connect	79.10	
01 22 23 00-1213 WK 10" Tee For HDPE Pipe, Quick Connect	201.05	
01 22 23 00-1214 MO 10" Tee For HDPE Pipe, Quick Connect	609.74	
01 22 23 00-1215 DAY 12" Tee For HDPE Pipe, Quick Connect	79.10	
01 22 23 00-1216 WK 12" Tee For HDPE Pipe, Quick Connect	201.05	
01 22 23 00-1217 MO 12" Tee For HDPE Pipe, Quick Connect	609.74	
01 22 23 00-1218 DAY 4" Cap For HDPE Pipe, Quick Connect	6.59	
01 22 23 00-1219 WK 4" Cap For HDPE Pipe, Quick Connect	19.78	
01 22 23 00-1220 MO 4" Cap For HDPE Pipe, Quick Connect	59.33	
01 22 23 00-1221 DAY 6" Cap For HDPE Pipe, Quick Connect	6.59	
01 22 23 00-1222 WK 6" Cap For HDPE Pipe, Quick Connect	19.78	
01 22 23 00-1223 MO 6" Cap For HDPE Pipe, Quick Connect	59.33	
01 22 23 00-1224 DAY 8" Cap For HDPE Pipe, Quick Connect	6.59	
01 22 23 00-1225 WK 8" Cap For HDPE Pipe, Quick Connect	19.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1226 MO 8" Cap For HDPE Pipe, Quick Connect.....	59.33	
01 22 23 00-1227 DAY 10" Cap For HDPE Pipe, Quick Connect.....	6.59	
01 22 23 00-1228 WK 10" Cap For HDPE Pipe, Quick Connect.....	19.78	
01 22 23 00-1229 MO 10" Cap For HDPE Pipe, Quick Connect.....	59.33	
01 22 23 00-1230 DAY 12" Cap For HDPE Pipe, Quick Connect.....	6.59	
01 22 23 00-1231 WK 12" Cap For HDPE Pipe, Quick Connect.....	19.78	
01 22 23 00-1232 MO 12" Cap For HDPE Pipe, Quick Connect.....	59.33	
01 22 23 00-1233 DAY 4" Wye For HDPE Pipe, Quick Connect.....	19.78	
01 22 23 00-1234 WK 4" Wye For HDPE Pipe, Quick Connect.....	49.44	
01 22 23 00-1235 MO 4" Wye For HDPE Pipe, Quick Connect.....	151.61	
01 22 23 00-1236 DAY 6" Wye For HDPE Pipe, Quick Connect.....	23.07	
01 22 23 00-1237 WK 6" Wye For HDPE Pipe, Quick Connect.....	59.33	
01 22 23 00-1238 MO 6" Wye For HDPE Pipe, Quick Connect.....	181.27	
01 22 23 00-1239 DAY 8" Wye For HDPE Pipe, Quick Connect.....	39.55	
01 22 23 00-1240 WK 8" Wye For HDPE Pipe, Quick Connect.....	102.17	
01 22 23 00-1241 MO 8" Wye For HDPE Pipe, Quick Connect.....	303.22	
01 22 23 00-1242 DAY 10" Wye For HDPE Pipe, Quick Connect.....	59.33	
01 22 23 00-1243 WK 10" Wye For HDPE Pipe, Quick Connect.....	151.61	
01 22 23 00-1244 MO 10" Wye For HDPE Pipe, Quick Connect.....	461.43	
01 22 23 00-1245 DAY 12" Wye For HDPE Pipe, Quick Connect.....	59.33	
01 22 23 00-1246 WK 12" Wye For HDPE Pipe, Quick Connect.....	151.61	
01 22 23 00-1247 MO 12" Wye For HDPE Pipe, Quick Connect.....	461.43	
01 22 23 00-1248 Temporary Building Services (01 22 23)		
01 22 23 00-1249 Boilers (01 22 23 00-1248)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1250 Electric Boilers (01 22 23 00-1249)		
01 22 23 00-1251 MO 40 MBH, 12 KW Electric Boiler Rental.....	2,596.99	
01 22 23 00-1252 MO 60 MBH, 20 KW Electric Boiler Rental.....	2,833.12	
01 22 23 00-1253 MO 95 MBH, 30 KW Electric Boiler Rental.....	2,951.18	
01 22 23 00-1254 MO 135 MBH, 40 KW Electric Boiler Rental.....	3,305.26	
01 22 23 00-1255 MO 165 MBH, 50 KW Electric Boiler Rental.....	4,603.76	
01 22 23 00-1256 MO 215 MBH, 60 KW Electric Boiler Rental.....	5,312.05	
01 22 23 00-1257 MO 365 MBH, 100 KW Electric Boiler Rental.....	6,964.74	
01 22 23 00-1258 MO 510 MBH, 150 KW Electric Boiler Rental.....	8,499.35	
01 22 23 00-1259 Oil/Gas Fired Boilers (01 22 23 00-1249)		
01 22 23 00-1260 MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental.....	2,479.00	
For >3 Months Rental, Deduct		-371.85
01 22 23 00-1261 MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental.....	3,222.70	
For >3 Months Rental, Deduct		-483.41
01 22 23 00-1262 MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental.....	5,205.90	
For >3 Months Rental, Deduct		-780.89
01 22 23 00-1263 MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental.....	7,189.10	
For >3 Months Rental, Deduct		-1,078.37
01 22 23 00-1264 Oil Fired Boilers (01 22 23 00-1249)		
01 22 23 00-1265 MO 250 HP Oil Fired Boiler Rental.....	7,293.67	
01 22 23 00-1266 MO 350 HP Oil Fired Boiler Rental.....	9,724.90	
01 22 23 00-1267 MO 500 HP Oil Fired Boiler Rental.....	12,156.12	
01 22 23 00-1268 MO 600 HP Oil Fired Boiler Rental.....	13,371.73	
01 22 23 00-1269 Boilers Setup (01 22 23 00-1249)		
01 22 23 00-1270 EA Setup Rental Boiler.....	7,720.14	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1271 Chillers (01 22 23 00-1248)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1272 Air Cooled Chillers (01 22 23 00-1271)		
01 22 23 00-1273 MO 25 Ton Air Cooled Chiller Rental.....	2,494.67	
For >3 To 6 Month Rental, Deduct		-374.20
For >6 Month Rental, Deduct		-623.67
01 22 23 00-1274 MO 40 Ton Air Cooled Chiller Rental.....	3,991.48	
For >3 To 6 Month Rental, Deduct		-598.72
For >6 Month Rental, Deduct		-997.87
01 22 23 00-1275 MO 60 Ton Air Cooled Chiller Rental.....	4,882.03	
For >3 To 6 Month Rental, Deduct		-732.30
For >6 Month Rental, Deduct		-1,220.51
01 22 23 00-1276 MO 80 Ton Air Cooled Chiller Rental.....	5,772.58	
For >3 To 6 Month Rental, Deduct		-865.89
For >6 Month Rental, Deduct		-1,443.15
01 22 23 00-1277 MO 100 Ton Air Cooled Chiller Rental.....	6,663.13	
For >3 To 6 Month Rental, Deduct		-999.47
For >6 Month Rental, Deduct		-1,665.78

01	01	General Requirements
	01 20	Price and Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1278 MO 125 Ton Air Cooled Chiller Rental	7,719.37	
For >3 To 6 Month Rental, Deduct	-1,157.91	
For >6 Month Rental, Deduct	-1,929.84	
01 22 23 00-1279 MO 155 Ton Air Cooled Chiller Rental	9,338.54	
For >3 To 6 Month Rental, Deduct	-1,400.78	
For >6 Month Rental, Deduct	-2,334.64	
01 22 23 00-1280 MO 170 Ton Air Cooled Chiller Rental	9,986.22	
For >3 To 6 Month Rental, Deduct	-1,497.93	
For >6 Month Rental, Deduct	-2,496.56	
01 22 23 00-1281 MO 200 Ton Air Cooled Chiller Rental	11,471.73	
For >3 To 6 Month Rental, Deduct	-1,720.76	
For >6 Month Rental, Deduct	-2,867.93	
01 22 23 00-1282 MO 250 Ton Air Cooled Chiller Rental	13,650.10	
For >3 To 6 Month Rental, Deduct	-2,047.52	
For >6 Month Rental, Deduct	-3,412.53	
01 22 23 00-1283 MO 300 Ton Air Cooled Chiller Rental	15,928.25	
Note: Includes trailer.		
For >3 To 6 Month Rental, Deduct	-2,389.24	
For >6 Month Rental, Deduct	-3,982.06	
01 22 23 00-1284 MO 400 Ton Air Cooled Chiller Rental	21,011.74	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-3,151.76	
For >6 Month Rental, Deduct	-5,252.94	
01 22 23 00-1285 MO 500 Ton Air Cooled Chiller Rental	26,008.61	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-3,901.29	
For >6 Month Rental, Deduct	-6,502.15	
01 22 23 00-1286 EA Setup Air Cooled Chiller Rental Unit	5,366.44	
Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
01 22 23 00-1287 Chiller Rental Accessories (01 22 23 00-1271)		
01 22 23 00-1288 MO 4" x 25' Flexible Water Hose For Chiller Rental	44.45	
01 22 23 00-1289 MO 6" x 25' Flexible Water Hose For Chiller Rental	55.56	
01 22 23 00-1290 Cooling Tower (01 22 23 00-1248)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1291 MO 100 Ton Cooling Tower Rental	2,289.28	
For >3 To 6 Months Rental, Deduct	-343.39	
For >6 Months Rental, Deduct	-572.32	
01 22 23 00-1292 MO 200 Ton Cooling Tower Rental	4,167.38	
For >3 To 6 Months Rental, Deduct	-625.11	
For >6 Months Rental, Deduct	-1,041.85	
01 22 23 00-1293 MO 250 Ton Cooling Tower Rental	4,719.36	
For >3 To 6 Months Rental, Deduct	-707.90	
For >6 Months Rental, Deduct	-1,179.84	
01 22 23 00-1294 MO 300 Ton Cooling Tower Rental	5,334.24	
For >3 To 6 Months Rental, Deduct	-800.14	
For >6 Months Rental, Deduct	-1,333.56	
01 22 23 00-1295 MO 400 Ton Cooling Tower Rental	6,667.80	
For >3 To 6 Months Rental, Deduct	-1,000.17	
For >6 Months Rental, Deduct	-1,666.95	
01 22 23 00-1296 MO 500 Ton Cooling Tower Rental	7,795.80	
For >3 To 6 Months Rental, Deduct	-1,169.37	
For >6 Months Rental, Deduct	-1,948.95	
01 22 23 00-1297 MO Setup Rental Cooling Tower	5,366.44	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1298 Emergency Cooler/Freezer (01 22 23 00-1248)		
Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1299 DAY 8 x 6 x 7 Emergency Cooler Rental	126.92	
01 22 23 00-1300 WK 8 x 6 x 7 Emergency Cooler Rental	676.88	
01 22 23 00-1301 DAY 10 x 7 x 7 Emergency Cooler Rental	253.83	
01 22 23 00-1302 WK 10 x 7 x 7 Emergency Cooler Rental	1,015.32	
01 22 23 00-1303 MO 10 x 7 x 7 Emergency Cooler Rental	2,538.30	
01 22 23 00-1304 DAY 10 x 7 x 7 Emergency Freezer Rental	296.14	
01 22 23 00-1305 WK 10 x 7 x 7 Emergency Freezer Rental	1,184.54	
01 22 23 00-1306 MO 10 x 7 x 7 Emergency Freezer Rental	3,045.96	
01 22 23 00-1307 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	338.44	
01 22 23 00-1308 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,353.76	
01 22 23 00-1309 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,384.40	
01 22 23 00-1310 Portable Spot Cooling Units (01 22 23 00-1248)		
Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1311 DAY 1 Ton Portable Spot Cooling Unit	186.84	
01 22 23 00-1312 WK 1 Ton Portable Spot Cooling Unit	404.82	
01 22 23 00-1313 MO 1 Ton Portable Spot Cooling Unit	956.96	
01 22 23 00-1314 DAY 1.5 Ton Portable Spot Cooling Unit	244.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1315 WK 1.5 Ton Portable Spot Cooling Unit	501.84	
01 22 23 00-1316 MO 1.5 Ton Portable Spot Cooling Unit	1,177.34	
01 22 23 00-1317 DAY 2 Ton Portable Spot Cooling Unit	329.37	
01 22 23 00-1318 WK 2 Ton Portable Spot Cooling Unit	688.68	
01 22 23 00-1319 MO 2 Ton Portable Spot Cooling Unit	1,275.55	
01 22 23 00-1320 DAY 3 Ton Portable Spot Cooling Unit	344.94	
01 22 23 00-1321 WK 3 Ton Portable Spot Cooling Unit	730.60	
01 22 23 00-1322 MO 3 Ton Portable Spot Cooling Unit	1,614.50	
01 22 23 00-1323 DAY 5 Ton Portable Spot Cooling Unit	538.96	
01 22 23 00-1324 WK 5 Ton Portable Spot Cooling Unit	1,089.91	
01 22 23 00-1325 MO 5 Ton Portable Spot Cooling Unit	2,264.85	
01 22 23 00-1326 DAY 10 To 12 Ton Portable Spot Cooling Unit	704.25	
01 22 23 00-1327 WK 10 To 12 Ton Portable Spot Cooling Unit	1,586.95	
01 22 23 00-1328 MO 10 To 12 Ton Portable Spot Cooling Unit	3,830.24	
01 22 23 00-1329 DAY 20 Ton Portable Spot Cooling Unit	808.45	
01 22 23 00-1330 WK 20 Ton Portable Spot Cooling Unit	1,856.44	
01 22 23 00-1331 MO 20 Ton Portable Spot Cooling Unit	5,174.06	
01 22 23 00-1332 DAY 25 Ton Portable Spot Cooling Unit	1,149.79	
01 22 23 00-1333 WK 25 Ton Portable Spot Cooling Unit	2,329.53	
01 22 23 00-1334 MO 25 Ton Portable Spot Cooling Unit	5,419.59	
01 22 23 00-1335 EA Setup Rental Of Up To 5 Ton Portable Spot Cooler	243.20	
Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		
01 22 23 00-1336 EA Setup Rental Of 10 To 15 Ton Portable Spot Cooler	560.84	
Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		
01 22 23 00-1337 EA Setup Rental Of 20 To 25 Ton Portable Spot Cooler	826.82	
Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		
01 22 23 00-1338 Fuel Oil Tank (01 22 23 00-1248)		
Note: Excludes delivery to job site and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0804 for reimbursable fuel fees.		
01 22 23 00-1339 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	392.12	
01 22 23 00-1340 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	609.97	
01 22 23 00-1341 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,524.92	
01 22 23 00-1342 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,541.52	
01 22 23 00-1343 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,354.81	
01 22 23 00-1344 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	5,993.16	
01 22 23 00-1345 Truck And Trailer Equipment (01 22 23)		
01 22 23 00-1346 Trucks (01 22 23 00-1345)		
Note: Includes driver, delivery, and removal.		
01 22 23 00-1347 Flat Bed Trucks (01 22 23 00-1346)		
Note: Includes hydraulic tilt bed.		
01 22 23 00-1348 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,032.74	
<i>For Equipment Without Operator, Deduct</i>		
	-727.16	
01 22 23 00-1349 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,436.93	
<i>For Equipment Without Operator, Deduct</i>		
	-3,635.81	
01 22 23 00-1350 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	17,778.65	
<i>For Equipment Without Operator, Deduct</i>		
	-15,755.19	
01 22 23 00-1351 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,164.89	
<i>For Equipment Without Operator, Deduct</i>		
	-727.16	
01 22 23 00-1352 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,775.55	
<i>For Equipment Without Operator, Deduct</i>		
	-3,635.81	
01 22 23 00-1353 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	18,645.84	
<i>For Equipment Without Operator, Deduct</i>		
	-15,755.19	
01 22 23 00-1354 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,259.70	
<i>For Equipment Without Operator, Deduct</i>		
	-727.16	
01 22 23 00-1355 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,137.96	
<i>For Equipment Without Operator, Deduct</i>		
	-3,635.81	
01 22 23 00-1356 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,025.09	
<i>For Equipment Without Operator, Deduct</i>		
	-15,755.19	
01 22 23 00-1357 Boom Trucks (01 22 23 00-1346)		
01 22 23 00-1358 DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,296.21	
<i>For Equipment Without Operator, Deduct</i>		
	-727.16	
<i>For High Rail Equipment, Add</i>		
	199.17	
01 22 23 00-1359 WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,117.47	
<i>For Equipment Without Operator, Deduct</i>		
	-3,635.81	
<i>For High Rail Equipment, Add</i>		
	518.58	
01 22 23 00-1360 MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	19,513.03	
<i>For Equipment Without Operator, Deduct</i>		
	-15,755.19	
<i>For High Rail Equipment, Add</i>		
	1,315.24	
01 22 23 00-1361 Light Off-Road Utility Passenger Vehicles (01 22 23 00-1346)		
01 22 23 00-1362 DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	298.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1363 WK 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	690.79	
01 22 23 00-1364 MO 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	1,493.60	
01 22 23 00-1365 DAY 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	308.06	
01 22 23 00-1366 WK 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	718.80	
01 22 23 00-1367 MO 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	1,586.95	
01 22 23 00-1368 Light Duty Trucks (01 22 23 00-1346)		
01 22 23 00-1369 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	950.07	
For Equipment Without Operator, Deduct	-720.29	
01 22 23 00-1370 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	4,355.40	
For Equipment Without Operator, Deduct	-3,601.45	
01 22 23 00-1371 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	17,185.99	
For Equipment Without Operator, Deduct	-15,606.28	
01 22 23 00-1372 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	993.15	
For Equipment Without Operator, Deduct	-720.29	
01 22 23 00-1373 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	4,484.65	
For Equipment Without Operator, Deduct	-3,601.45	
01 22 23 00-1374 MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	17,473.21	
For Equipment Without Operator, Deduct	-15,606.28	
01 22 23 00-1375 Rear Dump Trucks (01 22 23 00-1346)		
01 22 23 00-1376 DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	1,117.53	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1377 WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	4,666.91	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-1378 MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	18,912.13	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-1379 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver.....	1,246.95	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1380 WK 4 CY Rear Dump Truck With Full-Time Truck Driver.....	5,067.89	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-1381 MO 4 CY Rear Dump Truck With Full-Time Truck Driver.....	19,467.99	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-1382 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver.....	1,321.21	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1383 WK 6 CY Rear Dump Truck With Full-Time Truck Driver.....	5,227.01	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-1384 MO 6 CY Rear Dump Truck With Full-Time Truck Driver.....	19,574.07	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-1385 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver.....	2,201.67	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1386 WK 13 CY Rear Dump Truck With Full-Time Truck Driver.....	7,040.98	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-1387 MO 13 CY Rear Dump Truck With Full-Time Truck Driver.....	24,665.91	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-1388 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver.....	2,349.12	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1389 WK 18 CY Rear Dump Truck With Full-Time Truck Driver.....	7,381.49	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-1390 MO 18 CY Rear Dump Truck With Full-Time Truck Driver.....	25,556.98	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-1391 Vacuum Trucks (01 22 23 00-1346)		
01 22 23 00-1392 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	2,191.06	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1393 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	8,044.49	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-1394 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	28,764.84	
For Equipment Without Operator, Deduct	-15,755.19	
01 22 23 00-1395 Water Trucks (01 22 23 00-1346)		
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1138 for additional discharge hose, 01 22 23 00-1427 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1396 DAY 2,000 Gallon Water Truck With Full-Time Driver.....	1,410.66	
For Equipment Without Operator, Deduct	-727.16	
For Each 1,000 Gallon Of Purchased Water, Add	14.40	
01 22 23 00-1397 WK 2,000 Gallon Water Truck With Full-Time Driver.....	5,435.71	
For Equipment Without Operator, Deduct	-3,635.81	
For Each 1,000 Gallon Of Purchased Water, Add	14.40	
01 22 23 00-1398 MO 2,000 Gallon Water Truck With Full-Time Driver.....	20,008.11	
For Equipment Without Operator, Deduct	-15,755.19	
For Each 1,000 Gallon Of Purchased Water, Add	14.40	
01 22 23 00-1399 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver.....	1,744.82	
For Equipment Without Operator, Deduct	-727.16	
For Each 1,000 Gallon Of Purchased Water, Add	14.40	
01 22 23 00-1400 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver.....	6,438.18	
For Equipment Without Operator, Deduct	-3,635.81	
For Each 1,000 Gallon Of Purchased Water, Add	14.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1401 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	22,590.24 -15,755.19 14.40	
01 22 23 00-1402 Asphalt Distribution Trucks (01 22 23 00-1346)		
01 22 23 00-1403 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,142.75 -727.16	
01 22 23 00-1404 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	7,864.42 -3,635.81	
01 22 23 00-1405 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	28,256.01 -15,755.19	
01 22 23 00-1406 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1346)		
01 22 23 00-1407 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,465.70 -720.29	
01 22 23 00-1408 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,801.37 -3,601.45	
01 22 23 00-1409 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	20,948.71 -15,606.28	
01 22 23 00-1410 Combination Jet/Vacuum Trucks (01 22 23 00-1346)		
01 22 23 00-1411 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,179.46 -727.16	
01 22 23 00-1412 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	15,115.54 -3,635.81	
01 22 23 00-1413 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,607.38 -727.16	
01 22 23 00-1414 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	17,604.88 -3,635.81	
01 22 23 00-1415 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,018.84 -727.16	
01 22 23 00-1416 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	20,094.21 -3,635.81	
01 22 23 00-1417 Straight/Box Trucks (01 22 23 00-1346)		
01 22 23 00-1418 DAY 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 LB lift gate. <i>For Equipment Without Operator, Deduct</i>	857.65 -727.16	
01 22 23 00-1419 WK 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 LB lift gate. <i>For Equipment Without Operator, Deduct</i>	4,288.27 -3,635.81	
01 22 23 00-1420 MO 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 LB lift gate. <i>For Equipment Without Operator, Deduct</i>	17,681.19 -15,755.19	
01 22 23 00-1421 Truck Mounted Accessories (01 22 23 00-1345) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1422 Truck Mounted Arrow Boards (01 22 23 00-1421)		
01 22 23 00-1423 DAY Truck Mounted Arrow Board	55.92	
01 22 23 00-1424 WK Truck Mounted Arrow Board	222.39	
01 22 23 00-1425 MO Truck Mounted Arrow Board	792.98	
01 22 23 00-1426 Trailers (01 22 23 00-1345) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1427 Water Trailers With Pump (01 22 23 00-1426)		
01 22 23 00-1428 DAY 500 To 600 Gallon Water Trailer With Pump	174.67	
01 22 23 00-1429 WK 500 To 600 Gallon Water Trailer With Pump	448.08	
01 22 23 00-1430 MO 500 To 600 Gallon Water Trailer With Pump	1,199.93	
01 22 23 00-1431 Trailer Mounted Equipment (01 22 23 00-1345)		
01 22 23 00-1432 Trailer Mounted Under-Bridge Aerial Access Platform (01 22 23 00-1431) Note: Includes full-time operator. Excludes truck.		
01 22 23 00-1433 DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,859.27 -727.16	
01 22 23 00-1434 WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,032.14 -3,635.81	
01 22 23 00-1435 MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,522.78 -15,755.19	

01	01	General Requirements
	01 20	Price and Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1436 DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,072.48 -727.16	
01 22 23 00-1437 WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,671.78 -3,635.81	
01 22 23 00-1438 MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	35,299.54 -15,755.19	
01 22 23 00-1439 Trailer Mounted Bridge Stripping Buggy <small>(01 22 23 00-1431)</small>		
01 22 23 00-1440 DAY Trailer Mounted Bridge Overhang Stripping Buggy	241.94	
01 22 23 00-1441 WK Trailer Mounted Bridge Overhang Stripping Buggy	725.84	
01 22 23 00-1442 MO Trailer Mounted Bridge Overhang Stripping Buggy	2,016.15	
01 22 23 00-1443 Portable Trailer Mounted, CCTV Camera Systems <small>(01 22 23 00-1431)</small>		
<i>Note: Includes trailer. Excludes truck.</i>		
01 22 23 00-1444 MO Portable Trailer Mounted, Single Camera, CCTV Camera System	2,800.50	
01 22 23 00-1445 MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	4,854.20	

01 30 Administrative Requirements (01)

01 31 Project Management and Coordination (01 30)

01 31 33 Project Minimum Labor Costs (01 31)

01 31 33 00-0001 Minimum Charge (01 31 33)

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 31 33 00-0002 EA Carpenter Minimum Charge.....	1,131.13	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0003 EA Carpet, Linoleum Minimum Charge	1,074.75	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0004 EA Cement Mason Minimum Charge	772.71	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0005 EA Drywall Finisher Minimum Charge	1,043.50	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0006 EA Drywall Installer Minimum Charge	1,095.37	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0007 EA Electrician Minimum Charge	1,374.43	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0008 EA Glazier Minimum Charge	976.24	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0009 EA Insulator Minimum Charge.....	1,179.50	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0010 EA Laborer Minimum Charge	695.06	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0011 EA Landscape Maintenance Worker Minimum Charge	820.06	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0012 EA Ornamental Metal Worker Minimum Charge.....	1,042.82	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0013 EA Painter, Ordinary Minimum Charge	830.13	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0014 EA Plasterer Minimum Charge	976.38	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0015 EA Plumber Minimum Charge	1,413.90	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0016 EA Roofer, Tile/Slate Minimum Charge.....	1,052.09	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0017 EA Roofer, Composite Built-Up Minimum Charge	1,080.99	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0018 EA Sheet Metal Worker Minimum Charge.....	1,318.35	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		
01 31 33 00-0019 EA Sprinkler Installer Minimum Charge.....	1,336.45	
<i>Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.</i>		



General Requirements	01	10
Administrative Requirements	01 30	
Project Management and Coordination	01 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0020 EA Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	907.21	
01 35 Special Procedures <small>(01 30)</small>		
01 35 29 Health, Safety, and Emergency Response Procedures <small>(01 35)</small>		
See CSI section 02 90 00 00-0000 for disaster recovery task.		
01 35 29 00-0001 Emergency Response <small>(01 35 29)</small>		
See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0051 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0029 for container usage.		
01 35 29 00-0002 MI Trucking Delivery Of 20' Shipping Container	2.60	
01 35 29 00-0003 MI Trucking Delivery Of 40' Shipping Container	5.21	
01 35 33 Infection Control Procedures <small>(01 35)</small>		
See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.		
01 40 Quality Requirements <small>(01)</small>		
01 41 Regulatory Requirements <small>(01 40)</small>		
01 41 26 Permit Requirements <small>(01 41)</small>		
See CSI section 01 22 16 00-0001 for reimbursable fees.		
01 42 References <small>(01 40)</small>		
01 42 13 Abbreviations and Acronyms <small>(01 42)</small>		
Note: For specification publishing. Review specifications for requirements.		
01 42 13 00-0001 NTE Abbreviations And Acronyms.....	0.00	
Note: For specification publishing. Review specifications for requirements.		
01 42 16 Definitions <small>(01 42)</small>		
Note: For specification publishing. Review specifications for requirements.		
01 42 16 00-0001 NTE Definitions.....	0.00	
Note: For specification publishing. Review specifications for requirements.		
01 42 19 Reference Standards <small>(01 42)</small>		
Note: For specification publishing. Review specifications for requirements.		
01 42 19 00-0001 NTE Reference Standards.....	0.00	
Note: For specification publishing. Review specifications for requirements.		
01 42 21 Construction Suppliers or Vendor List <small>(01 42)</small>		
Note: For specification publishing. Review specifications for requirements.		
01 42 21 00-0001 NTE Construction Suppliers or Vendor List.....	0.00	
Note: For specification publishing. Review specifications for requirements.		
01 45 Quality Control <small>(01 40)</small>		
Note: Refer to section specifications for testing included with other sections.		
01 45 23 Testing and Inspecting Services <small>(01 45)</small>		
Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.		
01 45 23 00-0001 Soils/Aggregate Testing <small>(01 45 23)</small>		
01 45 23 00-0002 Field Soils Tests <small>(01 45 23 00-0001)</small>		
01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	341.17	
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	484.24	
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	550.28	
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	440.22	
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test.....	660.33	
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,320.19	
01 45 23 00-0009 EA Moisture Content, Field Soils Test.....	49.51	
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test.....	132.07	
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	330.05	
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test.....	412.56	
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test.....	100.53	
01 45 23 00-0014 EA Percolation Test, Field Soils Test	251.32	
01 45 23 00-0015 EA Infiltration Test, Field Soils Test.....	502.64	
01 45 23 00-0016 Aggregate Testing <small>(01 45 23 00-0001)</small>		
01 45 23 00-0017 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	110.06	
01 45 23 00-0018 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	198.10	
01 45 23 00-0019 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	275.14	

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0020 EA Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	163.36	
01 45 23 00-0021 EA Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	174.86	
01 45 23 00-0022 EA Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	156.77	
01 45 23 00-0023 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	233.15	
01 45 23 00-0024 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	220.11	
01 45 23 00-0025 EA Aggregate Cleanness Value, ASTM C-128, CA 227	220.11	
01 45 23 00-0026 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	165.08	
01 45 23 00-0027 EA Fine Aggregate Durability Index, CA 229	176.09	
01 45 23 00-0028 EA Sodium And Magnesium Soundness, ASTM C88	462.07	
01 45 23 00-0029 EA Los Angeles Rattler, ASTM C-131, CA 211	352.18	
01 45 23 00-0030 EA Los Angeles Rattler, ASTM C-535	352.18	
01 45 23 00-0031 EA Unit Weight Of Aggregates, ASTM C29	99.05	
01 45 23 00-0032 EA Organic Impurities In Sand, ASTM C40	99.01	
01 45 23 00-0033 EA Crushed Particle, ASTM California Test Method	99.01	
01 45 23 00-0034 EA Clay Lump And Friable Particles, ASTM C142	198.03	
01 45 23 00-0035 Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0036 In-Place Tests (01 45 23 00-0035)		
01 45 23 00-0037 EA Double Ring Infiltrometer Test, ASTM D3385	1,748.62	
01 45 23 00-0038 EA Unconfined Compressive Strength (Pocket Penetrometer) Test	82.51	
01 45 23 00-0039 Lab Tests (01 45 23 00-0035)		
01 45 23 00-0040 EA Falling Head Rigid Wall Consolidometer Technique CAE	816.02	
01 45 23 00-0041 EA Falling Head Permeability Test EPA-9100	816.02	
01 45 23 00-0042 EA Constant Head Permeability Test For Granular Soils, ASTM D2432	466.30	
01 45 23 00-0043 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0044 Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0045 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	24.39	
01 45 23 00-0046 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	69.94	
01 45 23 00-0047 EA Concrete Cores Compression Test, ASTM C-42	143.07	
01 45 23 00-0048 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78	209.10	
01 45 23 00-0049 EA Unit Weight Of Concrete Cylinder, ASTM C-567	77.04	
01 45 23 00-0050 EA Concrete Mix Design Review	418.21	
01 45 23 00-0051 EA Trial Concrete Batch Prepared In Laboratory	990.50	
01 45 23 00-0052 EA Concrete Shrinkage, ASTM C-157 Modified	770.38	
01 45 23 00-0053 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	118.86	
01 45 23 00-0054 EA Concrete Slump Test, ASTM C143	55.03	
01 45 23 00-0055 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	55.03	
01 45 23 00-0056 Cement Testing (01 45 23 00-0043)		
01 45 23 00-0057 EA Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	55.03	
01 45 23 00-0058 EA 2" x 2" x 2" Cube Compression Test, All Type Materials	88.04	
01 45 23 00-0059 Asphaltic Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0060 EA Hveem Asphaltic Concrete Stability Test, CA 366	110.06	
01 45 23 00-0061 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	286.14	
01 45 23 00-0062 EA Stability Tests, Premixed, ASTM D1559	110.06	
01 45 23 00-0063 EA Stability Tests, Lab. Mixed, ASTM D1559	286.14	
01 45 23 00-0064 EA Swell Test, CA 305 Note: Includes compaction.	132.07	
01 45 23 00-0065 EA % Asphalt Extraction Test, ASTM D-2172 B	330.16	
01 45 23 00-0066 EA Maximum Theoretical Unit Weight, ASTM C2041	209.84	
01 45 23 00-0067 EA Unit Weight Sample Requiring Compaction, California Test Method 308	44.02	
01 45 23 00-0068 EA Asphalt Unit Weight On Core Test, CA 308C	44.02	
01 45 23 00-0069 HR Nuclear Field Density Testing, 4 Hour Minimum	226.71	
01 45 23 00-0070 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	113.09	
01 45 23 00-0071 EA Penetration, ASTM D5	158.98	
01 45 23 00-0072 Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0073 Masonry Testing (01 45 23 00-0072)		
01 45 23 00-0074 EA 2" x 4" Cylinder Mortar Compression Test	72.64	
01 45 23 00-0075 EA 4" x 4" x 8" Grout Prisms Compression Test	72.64	
01 45 23 00-0076 EA Masonry Cores Compression Test	143.07	
01 45 23 00-0077 EA Composite Grouted Prism Compression Test	275.14	
01 45 23 00-0078 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0072)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0079 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	176.09	
01 45 23 00-0080 EA Absorption Test, Moisture Content And Unit Weight.....	121.06	
01 45 23 00-0081 EA First Unit, Moisture Condition By Relative Humidity, ASTM C427	462.07	
01 45 23 00-0082 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	231.03	
01 45 23 00-0083 Metals Testing (01 45 23)		
01 45 23 00-0084 Tank Line Tightness Testing (01 45 23 00-0083)		
01 45 23 00-0085 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	581.98	
01 45 23 00-0086 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	646.24	
01 45 23 00-0087 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	710.26	
01 45 23 00-0088 Other Testing (01 45 23)		
01 45 23 00-0089 Special Testing (01 45 23 00-0088)		
01 45 23 00-0090 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	165.02	
01 45 23 00-0091 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	990.15	
01 45 23 00-0092 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	51.43	
01 45 23 00-0093 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	213.35	
01 45 23 00-0094 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	213.35	
01 45 23 00-0095 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	213.35	
01 45 23 00-0096 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,173.42	
01 45 23 00-0097 EA Testing And Certification Of Backflow Valves.....	687.04	
01 45 23 00-0098 Non-destructive Field Testing Services (01 45 23 00-0088)		
01 45 23 00-0099 Infrared Thermography (01 45 23 00-0088)		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0100 Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0099)		
Note: For on the roof surveys.		
01 45 23 00-0101 EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	3,840.30	
01 45 23 00-0102 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.40	
<i>For CADD Drawings, Add</i>		
	1.28	
01 45 23 00-0103 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	4.27	
<i>For CADD Drawings, Add</i>		
	0.85	
01 45 23 00-0104 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.20	
<i>For CADD Drawings, Add</i>		
	0.64	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.80	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.80	
01 45 23 00-0105 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.13	
<i>For CADD Drawings, Add</i>		
	0.43	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.53	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.53	
01 45 23 00-0106 Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0099)		
Note: For finding moisture in walls and windows.		
01 45 23 00-0107 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	2,026.82	
01 45 23 00-0108 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.40	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	3.20	
01 45 23 00-0109 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	4.27	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	2.14	
01 45 23 00-0110 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.13	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.07	
01 45 23 00-0111 General Building Investigation Using Infrared Thermography (01 45 23 00-0099)		
Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0112 EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	4,160.32	
01 45 23 00-0113 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.40	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	3.20	
01 45 23 00-0114 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	4.27	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	2.14	
01 45 23 00-0115 CSF >5,000 SF, General Building Investigation Using Infrared Thermography	2.13	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.07	
01 45 23 00-0116 Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0099)		
Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0117 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	2,026.82	
01 45 23 00-0118 HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography	273.80	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	41.00	

01	01	General Requirements
	01 40	Quality Requirements
	01 45	Quality Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 45 23 00-0119	Concrete Block Wall Investigation Using Infrared Thermography <small>(01 45 23 00-0099)</small>	
	Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.	
01 45 23 00-0120	EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,026.82
01 45 23 00-0121	CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	6.40
	<i>For Digital Or Analog Recording Of All Items, Add</i>	<i>0.96</i>
01 45 23 00-0122	CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.27
	<i>For Digital Or Analog Recording Of All Items, Add</i>	<i>0.64</i>

01 45 23 00-0123	Other Non-destructive Field Testing Services <small>(01 45 23 00-0098)</small>	
01 45 23 00-0124	HR ASNT Certified Level I NDT Consultant	98.10
01 45 23 00-0125	HR ASNT Certified Level II NDT Consultant	122.40
01 45 23 00-0126	HR ASNT Certified Level III NDT Consultant	140.55
01 45 23 00-0127	HR Certified Industrial Radiography Radiation Safety Personnel	146.90

01 45 23 00-0128	Testing Professional Services <small>(01 45 23 00-0088)</small>	
01 45 23 00-0129	HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	204.70
01 45 23 00-0130	HR Laboratory Technician	198.10
01 45 23 00-0131	HR Portable Digital Reinforcement Scanner	286.14
01 45 23 00-0132	HR Subsurface Detection Radar System	484.24
01 45 23 00-0133	HR Pavement Rehabilitation Analysis Using Deflectors	550.28

01 45 29 Testing Laboratory Services (01 45)
Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001	Soil Borings Laboratory Tests <small>(01 45 29)</small>	
	See CSI section 02 32 13 00-0000 for soil borings.	
01 45 29 00-0002	EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	151.55
01 45 29 00-0003	EA Shrinkage Limit, Soil Borings Laboratory Test	48.35
01 45 29 00-0004	EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	116.58
01 45 29 00-0005	EA Consolidation, Soil Borings Laboratory Test	816.02
01 45 29 00-0006	EA Swell Test, Soil Borings Laboratory Test	127.94
01 45 29 00-0007	EA In Place Density, Soil Borings Laboratory Test.....	34.97
01 45 29 00-0008	EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test	21.72
01 45 29 00-0009	EA Hydrometer Analysis, Soil Borings Laboratory Test.....	280.50
01 45 29 00-0010	EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	97.79
01 45 29 00-0011	EA Partial Sieve Analysis, Soil Borings Laboratory Test	19.34
01 45 29 00-0012	EA Laboratory Permeability, Soil Borings Laboratory Test.....	966.98
01 45 29 00-0013	EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	195.59
01 45 29 00-0014	EA Sulfate Soundness, Soil Borings Laboratory Test.....	241.74
01 45 29 00-0015	EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	447.49
01 45 29 00-0016	EA Soil Bearing Ratio, ASTM D1883.....	495.25
01 45 29 00-0017	EA Compaction Test Subgrade, Soil Borings Laboratory Test	145.05
01 45 29 00-0018	EA Compaction Test Base Course, Soil Borings Laboratory Test.....	161.16
01 45 29 00-0019	EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	345.89
01 45 29 00-0020	EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	74.13

01 50 Temporary Facilities and Controls (01)

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities (01 50)

01 51 13 Temporary Electricity (01 51)

01 51 13 00-0001	Temporary Service Switch And/or Building Feeder Switch <small>(01 51 13)</small>	
	Note: Includes all connections and removal after use.	
01 51 13 00-0002	EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,749.61
01 51 13 00-0003	EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,739.40
01 51 13 00-0004	EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,936.32
01 51 13 00-0005	EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,852.29

01 51 13 00-0006	Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses <small>(01 51 13)</small>	
	Note: Includes mounting on wall and removal after use.	
01 51 13 00-0007	EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,712.22
01 51 13 00-0008	EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,488.30
01 51 13 00-0009	EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,866.90
01 51 13 00-0010	EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	5,647.07

01 51 13 00-0011	Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards <small>(01 51 13)</small>	
	Note: Includes all connections, fittings, supports and removal after use.	
01 51 13 00-0012	LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	11.75
01 51 13 00-0013	LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	12.87



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Utilities			01 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 51 26 Temporary Lighting (01 51)

01 51 26 00-0001 Temporary Lighting Devices (01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	334.61
01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	126.71
01 51 26 00-0004	EA	Temporary High Bay Light.....	485.07

01 52 Construction Facilities (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds (01 52)

01 52 13 00-0001 Field Offices and Office Trailers (01 52 13)

Note: Excludes furniture, utility connections and service. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	184.67
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,242.34
		<i>For Each Set-Up (Block And Level), Add</i>	430.60
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
		<i>For Office Trailer Without Toilet, Deduct</i>	-36.93
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	209.29
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,242.34
		<i>For Each Set-Up (Block And Level), Add</i>	430.60
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
		<i>For Office Trailer Without Toilet, Deduct</i>	-41.86
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet.....	283.16
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,863.51
		<i>For Each Set-Up (Block And Level), Add</i>	702.55
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
		<i>For Office Trailer Without Toilet, Deduct</i>	-56.63
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet.....	301.63
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,863.51
		<i>For Each Set-Up (Block And Level), Add</i>	702.55
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
		<i>For Office Trailer Without Toilet, Deduct</i>	-60.33
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet.....	332.40
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,863.51
		<i>For Each Set-Up (Block And Level), Add</i>	702.55
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet.....	350.87
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,863.51
		<i>For Each Set-Up (Block And Level), Add</i>	702.55
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet.....	271.46
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	723.04
		<i>For Each Set-Up (Block And Level), Add</i>	566.58
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet.....	362.94
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,863.51
		<i>For Each Set-Up (Block And Level), Add</i>	702.55
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet.....	412.43
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,863.51
		<i>For Each Set-Up (Block And Level), Add</i>	702.55
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet.....	449.36
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,863.51
		<i>For Each Set-Up (Block And Level), Add</i>	702.55
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet.....	984.89
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	3,727.01
		<i>For Each Set-Up (Block And Level), Add</i>	1,133.15
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet.....	1,181.87
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	3,727.01
		<i>For Each Set-Up (Block And Level), Add</i>	1,133.15
		<i>For Each Anchoring Into Dirt, Add</i>	131.31
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	196.96

01	General Requirements
01 50	Temporary Facilities and Controls
01 52	Construction Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet.....	561.70	
For Each Delivery And Removal, Two Round Trips, Add	3,727.01	
For Each Set-Up (Block And Level), Add	1,133.15	
For Each Anchoring Into Dirt, Add	131.31	
For Each Anchoring Into Asphalt Or Concrete, Add	196.96	
01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016 MO Desk For Field Office Trailer.....	56.78	
01 52 13 00-0017 MO Rolling Desk Chair For Field Office Trailer.....	35.49	
01 52 13 00-0018 MO File Cabinet For Field Office Trailer.....	42.59	
01 52 13 00-0019 MO Table For Field Office Trailer.....	28.39	
01 52 13 00-0020 MO Folding Chair For Field Office Trailer.....	13.45	
01 52 13 00-0021 EA Phone Hook-Up For Field Office Trailer.....	156.15	
01 52 13 00-0022 MO Local Phone Service Per Phone Line For Field Office Trailer.....	99.37	
01 52 13 00-0023 MO Security System With Monitoring For Field Office Trailer.....	178.91	
01 52 13 00-0024 LF Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	15.76	
01 52 13 00-0025 LF Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	37.33	
01 52 13 00-0026 MO Steps For Field Office Trailer.....	45.96	
01 52 13 00-0027 MO Fax Machine For Field Office Trailer.....	70.98	
01 52 13 00-0028 MO Copier For Field Office Trailer.....	113.56	
01 52 13 00-0029 Storage Containers (01 52 13)		
01 52 13 00-0030 MO 8' x 8' x 10' Storage Container.....	252.35	
For Each Delivery And Removal, Two Round Trips, Add	185.78	
For >12 Months, Deduct	-75.71	
01 52 13 00-0031 MO 8' x 8' x 20' Storage Container.....	263.82	
For Each Delivery And Removal, Two Round Trips, Add	204.36	
For >12 Months, Deduct	-79.15	
01 52 13 00-0032 MO 8' x 8' x 40' Storage Container.....	312.00	
For Each Delivery And Removal, Two Round Trips, Add	411.58	
For >12 Months, Deduct	-93.60	
01 52 19 Sanitary Facilities (01 52)		
01 52 19 00-0001 Portable Toilets (01 52 19)		
Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.		
01 52 19 00-0002 WK Portable Chemical Toilet.....	67.83	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	52.00	
01 52 19 00-0003 MO Portable Chemical Toilet.....	203.49	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	52.00	
01 52 19 00-0004 WK Americans With Disabilities Act Compliant Portable Chemical Toilet.....	80.90	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	52.00	
01 52 19 00-0005 MO Americans With Disabilities Act Compliant Portable Chemical Toilet.....	237.41	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	52.00	
01 52 19 00-0006 WK Two Station Portable Handwash.....	54.40	
For Each Delivery And Set-up, Add	52.00	
01 52 19 00-0007 MO Two Station Portable Handwash.....	165.03	
For Each Delivery And Set-up, Add	52.00	
01 52 19 00-0008 MO 6 Station, Portable Toilets, Multi Trailer.....	4,582.08	
Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
For Each Delivery, Set-up And Removal, Two Round Trips, Add	1,242.34	
01 52 19 00-0009 WK Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,029.66	
For One Additional Service Per Week, Add	676.56	
Note: For one less service per week, UOM to be negative one (-1)		
01 53 Temporary Construction (01 50)		
01 53 16 Temporary Decking (01 53)		
01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)		
Note: Includes removal after use.		
01 53 16 00-0002 SF Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers.....	8.11	
01 53 16 00-0003 LF Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail.....	36.41	
01 53 16 00-0004 LF Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	15.15	
01 53 16 00-0005 RSR Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	27.42	
01 53 23 Temporary Ramps (01 53)		
01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)		
Note: Includes removal after use.		
01 53 23 00-0002 SF Temporary Plywood For Wheel Barrow Access.....	1.68	0.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 54 Construction Aids (01 50)

01 54 09 Personnel Protection Equipment (01 54)

01 54 09 00-0001 Personnel Protection Equipment (01 54 09)

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE Personnel Protection Equipment		0.00
------------------	------------------------------------	--	------

Note: For specification publishing. Review specifications for requirements.

01 54 23 Temporary Scaffolding and Platforms (01 54)

01 54 23 00-0001 Scaffolding (01 54 23)

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)		29.48
	For Up To 25, Add		11.79
	For >25 To 50, Add		7.37
	For >50 To 150, Add		2.95
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)		33.15
	For Up To 25, Add		13.26
	For >25 To 50, Add		8.29
	For >50 To 150, Add		3.32
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)		44.22
	For Up To 25, Add		17.69
	For >25 To 50, Add		11.06
	For >50 To 150, Add		4.42

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		48.51
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		63.61
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		84.89
01 54 23 00-0010	CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		93.38
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		107.53
01 54 23 00-0012	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories		67.92

01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)		67.90
01 54 23 00-0015	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)		124.49
01 54 23 00-0016	LF Aluminum Joists (LF / Month)		11.04
01 54 23 00-0017	LF Aluminum Stringers (LF / Month)		15.83
01 54 23 00-0018	EA Screw Jack With U-Plate For Stringers (EA / Month)		19.95

01 54 23 00-0019 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0020	CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		90.55
01 54 23 00-0021	CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		113.19
01 54 23 00-0022	CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		135.83
01 54 23 00-0023	CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		147.15
01 54 23 00-0024	CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		164.12

01 54 23 00-0025 Scaffolding Accessories (01 54 23 00-0001)

See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0026	CSF Netting for Exterior Building Scaffolding		41.41
------------------	---	--	-------

Note: Includes removal after use.

01	01 General Requirements
	01 50 Temporary Facilities and Controls
	01 54 Construction Aids



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 54 23 00-0027 Rolling Scaffolding (01 54 23)
 Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0028 DAY	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	12.58
01 54 23 00-0029 WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	50.41
01 54 23 00-0030 MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	201.63
01 54 23 00-0031 DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	21.06
01 54 23 00-0032 WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	84.35
01 54 23 00-0033 MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	337.44
01 54 23 00-0034 EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	105.39
01 54 23 00-0035 EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	131.73

01 54 23 00-0036 Shoring Posts (01 54 23)

01 54 23 00-0037 DAY	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	2.07
01 54 23 00-0038 WK	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	8.30
01 54 23 00-0039 MO	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	24.89
01 54 23 00-0040 EA	Initial Erection And Final Dismantling For Each Shoring Post	8.44
	<i>For >20 To 50, Deduct</i>	-1.27
	<i>For >50 To 100, Deduct</i>	-2.95
	<i>For >100, Deduct</i>	-4.64

01 54 23 00-0041 Temporary Lumber, Single Use (01 54 23)
 Note: Includes removal after use.

01 54 23 00-0042 SF	5/16" CD Grade Plywood, Temporary Lumber	2.64
01 54 23 00-0043 SF	1/2" CD Grade Plywood, Temporary Lumber	2.98
01 54 23 00-0044 SF	5/8" CD Grade Plywood, Temporary Lumber	3.28
01 54 23 00-0045 SF	3/4" CD Grade Plywood, Temporary Lumber	3.58
01 54 23 00-0046 SF	1" CD Grade Plywood, Temporary Lumber	5.19
01 54 23 00-0047 LF	2" x 4" Temporary Lumber	3.47
01 54 23 00-0048 LF	2" x 6" Temporary Lumber	4.40
01 54 23 00-0049 LF	2" x 8" Temporary Lumber	5.33
01 54 23 00-0050 LF	2" x 10" Temporary Lumber	6.27
01 54 23 00-0051 LF	2" x 12" Temporary Lumber	7.20
01 54 23 00-0052 LF	3" x 8" Temporary Lumber	7.20
01 54 23 00-0053 LF	3" x 10" Temporary Lumber	8.60
01 54 23 00-0054 LF	3" x 12" Temporary Lumber	10.01
01 54 23 00-0055 LF	4" x 4" Temporary Lumber	4.70
01 54 23 00-0056 LF	4" x 6" Temporary Lumber	6.75
01 54 23 00-0057 LF	6" x 6" Temporary Lumber	8.80
01 54 23 00-0058 LF	6" x 8" Temporary Lumber	11.43
01 54 23 00-0059 LF	12" x 12" Temporary Lumber	28.03

01 54 23 00-0060 Temporary Precast Concrete Blocks (01 54 23)
 Note: Includes removal after use.

01 54 23 00-0061 EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block	130.73
	Note: Includes removal after use.	
01 54 23 00-0062 EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block	163.41
	Note: Includes removal after use.	
01 54 23 00-0063 EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block	219.72
	Note: Includes removal after use.	

01 54 26 Temporary Swing Staging (01 54)
 Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage (01 54 26)
 Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002 MO	7' Swing Stage, Electric Operated	2,984.71
01 54 26 00-0003 MO	10' Swing Stage, Electric Operated	3,133.94
01 54 26 00-0004 MO	14' Swing Stage, Electric Operated	3,283.18
01 54 26 00-0005 MO	20' Swing Stage, Electric Operated	3,432.41
01 54 26 00-0006 MO	24' Swing Stage, Electric Operated	3,581.65
01 54 26 00-0007 MO	30' Swing Stage, Electric Operated	3,730.88
01 54 26 00-0008 MO	42' Swing Stage, Electric Operated	3,880.12
01 54 26 00-0009 MO	12' Swing Stage, Manually Operated	860.69
01 54 26 00-0010 MO	24' Swing Stage, Manually Operated	1,075.86
01 54 26 00-0011 EA	Swing Stage Platform From Hooks, Erection And Dismantling	4,492.85
	Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	
01 54 26 00-0012 EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	6,243.60
	Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	
01 54 26 00-0013 EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,362.44
01 54 26 00-0014 EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,290.54

01 55 Vehicular Access and Parking (01 50)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 Temporary Roads (01 55)		
01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)		
Note: As per Caltrans detail.		
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	4.17	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	5.65	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0004 Rumble Trench Plate (01 55 23)		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental	398.66	
01 55 23 00-0006 EA Placement And Removal Of Rumble Plate	94.00	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate.....	23.50	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)		
Note: Excludes asphalt and gravel.		
01 55 23 00-0009 EA 4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	4,871.98	208.67
01 55 23 00-0010 EA 6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	6,630.09	313.01
01 55 23 00-0011 EA 8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	9,162.92	417.34
01 55 23 00-0012 EA 12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	19,055.60	521.67
01 55 23 00-0013 EA 24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	27,979.86	626.01
01 55 26 Traffic Control (01 55)		
01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask	5.11	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask	6.19	
01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	5.17	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	7.07	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	8.88	
01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines	2.35	
<i>For Not Removed, Deduct</i>		
	<i>-1.59</i>	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines	3.09	
<i>For Not Removed, Deduct</i>		
	<i>-2.14</i>	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines	3.86	
<i>For Not Removed, Deduct</i>		
	<i>-2.71</i>	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.33	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.36	
01 55 26 00-0014 Temporary Pedestrian Traffic Control (01 55 26)		
01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	9.72	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	12.64	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	7.72	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.43	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	10.21	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	13.90	
01 55 26 00-0021 CLF 1" Exterior Vinyl Tape (Warning Tape)	11.44	
01 55 26 00-0022 CLF 2" Exterior Vinyl Tape (Warning Tape)	15.91	
01 55 26 00-0023 CLF 3" Exterior Vinyl Tape (Warning Tape)	19.83	
01 55 26 00-0024 CLF 4" Exterior Vinyl Tape (Warning Tape)	23.19	
01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent (01 55 26)		
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026 LF 4" Linear Delineation System.....	11.18	
01 55 26 00-0027 LF 6" Linear Delineation System.....	15.17	
01 55 26 00-0028 Temporary Traffic Protection (01 55 26)		
01 55 26 00-0029 Temporary Portable Traffic Control Device Usage (01 55 26 00-0028)		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.		

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0030	DAY	28" Cone With Reflective Collar	0.86
01 55 26 00-0031	WK	28" Cone With Reflective Collar	2.57
01 55 26 00-0032	MO	28" Cone With Reflective Collar	7.70
01 55 26 00-0033	DAY	Vertical Panel	2.59
01 55 26 00-0034	WK	Vertical Panel	7.76
01 55 26 00-0035	MO	Vertical Panel	23.27
01 55 26 00-0036	DAY	Channelizer Drum	2.81
01 55 26 00-0037	WK	Channelizer Drum	8.42
01 55 26 00-0038	MO	Channelizer Drum	25.26
01 55 26 00-0039	DAY	Stackable Channelizer Panel	1.33
01 55 26 00-0040	WK	Stackable Channelizer Panel	3.98
01 55 26 00-0041	MO	Stackable Channelizer Panel	11.95
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.84
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.51
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	16.54
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.07
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.22
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	36.66
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.64
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	13.93
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	41.79
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.49
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	25.48
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	76.43
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade	4.66
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade	13.97
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade	41.92
01 55 26 00-0057	DAY	Type A Or C Flasher	0.95
01 55 26 00-0058	WK	Type A Or C Flasher	2.85
01 55 26 00-0059	MO	Type A Or C Flasher	8.54
01 55 26 00-0060	DAY	Type B Flasher (High Intensity)	5.15
01 55 26 00-0061	WK	Type B Flasher (High Intensity)	15.45
01 55 26 00-0062	MO	Type B Flasher (High Intensity)	46.35

01 55 26 00-0063 Temporary Traffic Barriers Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.

01 55 26 00-0064	DAY	6' Long Portable Parking Curbs	2.22
01 55 26 00-0065	WK	6' Long Portable Parking Curbs	6.65
01 55 26 00-0066	MO	6' Long Portable Parking Curbs	19.96
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps	6.56
01 55 26 00-0068	WK	6' Long Portable Speed Bumps	19.69
01 55 26 00-0069	MO	6' Long Portable Speed Bumps	59.08
01 55 26 00-0070	DAY	Up To 12.5' Concrete Traffic Barrier	15.77
01 55 26 00-0071	WK	Up To 12.5' Concrete Traffic Barrier	47.31
01 55 26 00-0072	MO	Up To 12.5' Concrete Traffic Barrier	141.93
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier	31.54
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier	94.62
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier	283.86
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier	18.83
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier	56.50
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier	169.49
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier	26.89
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier	80.67
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier	242.01
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels	10.53
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels	31.58
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels	94.73
01 55 26 00-0085	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)	1,493.60

Note: Consists of 8 bays with nose piece at the front of the system.

01 55 26 00-0086 Temporary Portable Signs And Message Displays Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.

01 55 26 00-0087	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.26
01 55 26 00-0088	WK	Mesh Or Vinyl Roll-up Sign With Stand	24.79
01 55 26 00-0089	MO	Mesh Or Vinyl Roll-up Sign With Stand	74.37
01 55 26 00-0090	DAY	Aluminum Sign And Post	4.12
01 55 26 00-0091	WK	Aluminum Sign And Post	12.35
01 55 26 00-0092	MO	Aluminum Sign And Post	37.06
01 55 26 00-0093	DAY	Aluminum Sign And A Frame Stand	6.25
01 55 26 00-0094	WK	Aluminum Sign And A Frame Stand	18.74
01 55 26 00-0095	MO	Aluminum Sign And A Frame Stand	56.23
01 55 26 00-0096	DAY	Trailer Mounted Flashing Arrow Board	149.00
01 55 26 00-0097	WK	Trailer Mounted Flashing Arrow Board	412.41
01 55 26 00-0098	MO	Trailer Mounted Flashing Arrow Board	1,090.89
01 55 26 00-0099	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	388.98
01 55 26 00-0100	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	1,037.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0101 MO Trailer Mounted Portable Variable Message Sign (PVMS).....	2,074.56	
01 55 26 00-0102 DAY Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,405.67	
01 55 26 00-0103 WK Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,217.01	
01 55 26 00-0104 MO Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	12,651.03	
01 55 26 00-0105 Place And Remove Temporary Traffic Protection Using Truck <small>(01 55 26 00-0028)</small> Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.		
01 55 26 00-0106 EA Placement And Removal Of Up To 250 Cones Using Truck	3.68	
01 55 26 00-0107 EA Placement And Removal Of >250 Cones Using Truck	3.22	
01 55 26 00-0108 EA Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	6.08	
01 55 26 00-0109 EA Placement And Removal Of >250 Panels/Channelizers Using Truck.....	5.07	
01 55 26 00-0110 EA Placement And Removal Of Up To 250 Barricades Using Truck.....	9.22	
01 55 26 00-0111 EA Placement And Removal Of >250 Barricades Using Truck	7.37	
01 55 26 00-0112 EA Placement And Removal Of Curbs/Speed Bumps Using Truck	9.22	
01 55 26 00-0113 EA Placement And Removal Of Portable Sign And Stand Using Truck	5.53	
01 55 26 00-0114 EA Placement And Removal Of Aluminum Sign And Post Using Truck.....	23.04	
01 55 26 00-0115 EA Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	69.11	
01 55 26 00-0116 EA Placement And Removal Of Up To 12.5' Concrete Traffic Barrier	94.00	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	235.00	
For 2 Barriers, Add	84.60	
For 3 Barriers, Add	28.20	
01 55 26 00-0117 EA Placement And Removal Of >12.5' Concrete Traffic Barrier.....	141.00	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	352.50	
For 2 Barriers, Add	126.90	
For 3 Barriers, Add	42.30	
01 55 26 00-0118 EA Placement And Removal Of Plastic Water Barrier	54.20	
Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	117.50	
For 2 Barriers, Add	42.30	
For 3 Barriers, Add	14.10	
01 55 26 00-0119 EA Placement And Removal Of Crash Attenuator Barrels	70.50	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	176.25	
For 2 Barriers, Add	63.45	
For 3 Barriers, Add	21.15	
01 55 26 00-0120 EA Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi- Directional Impact Attenuator (ABSORB 350® BARRIER).....	516.99	
Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0121 Place And Remove Temporary Traffic Protection From Roadside (Daily) <small>(01 55 26 00-0028)</small>		
01 55 26 00-0122 EA Placement And Removal Of Up To 250 Cones By Hand From Roadside	2.30	
01 55 26 00-0123 EA Placement And Removal Of >250 Cones By Hand From Roadside	1.85	
01 55 26 00-0124 EA Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.07	
01 55 26 00-0125 EA Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	2.44	
01 55 26 00-0126 EA Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	4.61	
01 55 26 00-0127 EA Placement And Removal Of >250 Barricades By Hand From Roadside	3.68	
01 55 26 00-0128 EA Placement And Removal Of Portable Sign And Stand From Roadside	2.73	
01 55 26 00-0129 EA Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	34.56	
01 55 26 00-0130 EA Roadside Relocation Of Concrete Traffic Barrier	47.00	
Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0131 Place And Remove Temporary Signs For Detours <small>(01 55 26 00-0028)</small>		
01 55 26 00-0132 Temporary Reflectorized Signs For Detours <small>(01 55 26 00-0131)</small> Note: Excludes posts.		
01 55 26 00-0133 Temporary Aluminum Engineer Grade Stop Signs For Detours <small>(01 55 26 00-0132)</small>		
01 55 26 00-0134 EA Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours.....	80.12	
For Hi-Intensity Grade, Add	6.95	
For Diamond Grade, Add	13.21	
01 55 26 00-0135 EA Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours.....	90.41	
For Hi-Intensity Grade, Add	9.09	
For Diamond Grade, Add	17.27	
01 55 26 00-0136 EA Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours.....	97.15	
For Hi-Intensity Grade, Add	13.89	
For Diamond Grade, Add	22.02	

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0137	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours.....	109.83	
		<i>For Hi-Intensity Grade, Add</i>	5.21	
		<i>For Diamond Grade, Add</i>	28.20	
01 55 26 00-0138	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours.....	139.13	
		<i>For Hi-Intensity Grade, Add</i>	15.29	
		<i>For Diamond Grade, Add</i>	47.97	
01 55 26 00-0139		Other Temporary ReflectORIZED Traffic Signs For Detours <small>(01 55 26 00-0132)</small>		
		Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
01 55 26 00-0140		Temporary Aluminum Engineer Grade Traffic Signs For Detours <small>(01 55 26 00-0139)</small>		
01 55 26 00-0141	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours.....	56.36	
		<i>For Hi-Intensity Grade, Add</i>	1.72	
01 55 26 00-0142	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	59.23	
		<i>For Hi-Intensity Grade, Add</i>	2.58	
01 55 26 00-0143	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours.....	59.23	
		<i>For Hi-Intensity Grade, Add</i>	2.58	
01 55 26 00-0144	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours.....	61.38	
		<i>For Hi-Intensity Grade, Add</i>	3.23	
01 55 26 00-0145	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	63.54	
		<i>For Hi-Intensity Grade, Add</i>	3.88	
01 55 26 00-0146	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	71.01	
		<i>For Hi-Intensity Grade, Add</i>	5.17	
01 55 26 00-0147	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours.....	88.23	
		<i>For Hi-Intensity Grade, Add</i>	10.33	
01 55 26 00-0148	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours.....	62.10	
		<i>For Hi-Intensity Grade, Add</i>	3.44	
01 55 26 00-0149	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	71.01	
		<i>For Hi-Intensity Grade, Add</i>	5.17	
01 55 26 00-0150	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	76.75	
		<i>For Hi-Intensity Grade, Add</i>	6.89	
01 55 26 00-0151	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours.....	82.49	
		<i>For Hi-Intensity Grade, Add</i>	8.61	
01 55 26 00-0152	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	88.23	
		<i>For Hi-Intensity Grade, Add</i>	10.33	
01 55 26 00-0153	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	79.62	
		<i>For Hi-Intensity Grade, Add</i>	7.75	
01 55 26 00-0154	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	88.23	
		<i>For Hi-Intensity Grade, Add</i>	10.33	
01 55 26 00-0155	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours.....	100.01	
		<i>For Hi-Intensity Grade, Add</i>	12.92	
01 55 26 00-0156	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	108.62	
		<i>For Hi-Intensity Grade, Add</i>	15.50	
01 55 26 00-0157	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours.....	147.11	
		<i>For Hi-Intensity Grade, Add</i>	23.25	
01 55 26 00-0158	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	102.88	
		<i>For Hi-Intensity Grade, Add</i>	13.78	
01 55 26 00-0159	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours.....	114.36	
		<i>For Hi-Intensity Grade, Add</i>	17.22	
01 55 26 00-0160	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	125.84	
		<i>For Hi-Intensity Grade, Add</i>	20.67	
01 55 26 00-0161	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours.....	149.98	
		<i>For Hi-Intensity Grade, Add</i>	24.11	
01 55 26 00-0162	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours.....	161.46	
		<i>For Hi-Intensity Grade, Add</i>	27.56	
01 55 26 00-0163	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours.....	172.94	
		<i>For Hi-Intensity Grade, Add</i>	31.00	
01 55 26 00-0164	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours.....	128.71	
		<i>For Hi-Intensity Grade, Add</i>	21.53	
01 55 26 00-0165	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	155.72	
		<i>For Hi-Intensity Grade, Add</i>	25.83	
01 55 26 00-0166	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours.....	170.07	
		<i>For Hi-Intensity Grade, Add</i>	30.14	
01 55 26 00-0167	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours.....	197.09	
		<i>For Hi-Intensity Grade, Add</i>	34.45	
01 55 26 00-0168	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours.....	238.44	
		<i>For Hi-Intensity Grade, Add</i>	43.06	
01 55 26 00-0169	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	172.94	
		<i>For Hi-Intensity Grade, Add</i>	31.00	
01 55 26 00-0170	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours.....	202.83	
		<i>For Hi-Intensity Grade, Add</i>	36.17	
01 55 26 00-0171	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours.....	232.70	
		<i>For Hi-Intensity Grade, Add</i>	41.33	
01 55 26 00-0172	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours.....	249.92	
		<i>For Hi-Intensity Grade, Add</i>	46.50	
01 55 26 00-0173	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours.....	279.79	
		<i>For Hi-Intensity Grade, Add</i>	51.67	
01 55 26 00-0174	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours.....	329.77	
		<i>For Hi-Intensity Grade, Add</i>	62.86	
01 55 26 00-0175	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours.....	344.12	
		<i>For Hi-Intensity Grade, Add</i>	67.17	
01 55 26 00-0176	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours.....	449.22	
		<i>For Hi-Intensity Grade, Add</i>	93.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0177 EA Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	235.57 42.20	
01 55 26 00-0178 EA Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	291.28 55.11	
01 55 26 00-0179 EA Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	326.90 62.00	
01 55 26 00-0180 EA Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	349.86 68.89	
01 55 26 00-0181 EA Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	391.82 75.78	
01 55 26 00-0182 EA Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	414.78 82.67	
01 55 26 00-0183 EA Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	473.36 96.45	
01 55 26 00-0184 EA Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	519.28 110.22	
01 55 26 00-0185 EA Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	542.25 117.11	
01 55 26 00-0186 EA Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	571.54 124.00	
01 55 26 00-0187 EA Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	496.32 103.34	
01 55 26 00-0188 EA Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	755.25 179.12	
01 55 26 00-0189 Temporary Overhead Sign Structures For Detours (01 55 26 00-0131) Note: Including horizontal Z-bars.		
01 55 26 00-0190 SF From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours <i>For Over 10' High, Add</i>	22.50 13.00	
01 55 26 00-0191 Temporary Sign Posts For Detours (01 55 26 00-0131) Note: Excludes sign.		
01 55 26 00-0192 Temporary U-Channel Sign Posts For Detours (01 55 26 00-0191) Note: Excludes digging and concrete.		
01 55 26 00-0193 Temporary Baked Enamel U-Channel Sign Posts For Detours (01 55 26 00-0192)		
01 55 26 00-0194 EA Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	71.67	
01 55 26 00-0195 EA Temporary 6' Baked Enamel U-Channel Sign Post For Detours	92.68	
01 55 26 00-0196 EA Temporary 7' Baked Enamel U-Channel Sign Post For Detours	110.84	
01 55 26 00-0197 EA Temporary 8' Baked Enamel U-Channel Sign Post For Detours	129.64	
01 55 26 00-0198 EA Temporary 10' Baked Enamel U-Channel Sign Post For Detours	156.72	
01 55 26 00-0199 EA Temporary 12' Baked Enamel U-Channel Sign Post For Detours	166.39	
01 55 26 00-0200 Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0192)		
01 55 26 00-0201 EA Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	75.76	
01 55 26 00-0202 EA Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	99.17	
01 55 26 00-0203 EA Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	125.50	
01 55 26 00-0204 EA Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	145.85	
01 55 26 00-0205 EA Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	168.52	
01 55 26 00-0206 EA Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	176.65	
01 55 26 00-0207 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0192)		
01 55 26 00-0208 EA Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	70.71	
01 55 26 00-0209 EA Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	90.59	
01 55 26 00-0210 EA Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	108.31	
01 55 26 00-0211 EA Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	126.63	
01 55 26 00-0212 EA Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	151.25	
01 55 26 00-0213 EA Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	163.15	
01 55 26 00-0214 Temporary Tubular Sign Posts For Detours (01 55 26 00-0191) Note: Excludes digging and concrete.		
01 55 26 00-0215 Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0214)		
01 55 26 00-0216 EA Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	99.84	
01 55 26 00-0217 EA Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	118.84	
01 55 26 00-0218 EA Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	139.91	
01 55 26 00-0219 EA Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	177.39	
01 55 26 00-0220 EA Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	190.69	
01 55 26 00-0221 Temporary Square Sign Posts For Detours (01 55 26 00-0191) Note: Excludes digging and concrete.		
01 55 26 00-0222 Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0221)		
01 55 26 00-0223 EA Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	76.67	

01 General Requirements**01 50 Temporary Facilities and Controls****01 55 Vehicular Access and Parking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0224 EA Temporary 6' Galvanized Steel Square Sign Post For Detours	114.52	
01 55 26 00-0225 EA Temporary 7' Galvanized Steel Square Sign Post For Detours	135.05	
01 55 26 00-0226 EA Temporary 8' Galvanized Steel Square Sign Post For Detours	157.54	
01 55 26 00-0227 EA Temporary 10' Galvanized Steel Square Sign Post For Detours	192.10	
01 55 26 00-0228 EA Temporary 12' Galvanized Steel Square Sign Post For Detours	206.36	
01 55 26 00-0229 Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0131) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0230 Temporary 2.5 LB/LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0229)		
01 55 26 00-0231 Temporary Base Posts, 2.5 LB/LF, For Breakaway Sign Posts For Detours (01 55 26 00-0230)		
01 55 26 00-0232 EA Temporary Base Post for 2.5 LB/LF, Breakaway Sign Post For Detours	97.69	
01 55 26 00-0233 EA Temporary Lap Splice Hardware For 2.5 LB/LF, Breakaway Sign Post For Detours.....	61.83	
01 55 26 00-0234 Temporary Breakaway Sign Posts, 2.5 LB/LF For Detours (01 55 26 00-0230)		
01 55 26 00-0235 LF Temporary Breakaway Sign Post, 2.5 LB/LF For Detours	11.67	
01 55 26 00-0236 Temporary 4 LB/LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0229)		
01 55 26 00-0237 Temporary Base Posts, 4 LB/LF, For Breakaway Sign Posts For Detours (01 55 26 00-0236)		
01 55 26 00-0238 EA Temporary Base Post for 4 LB/LF, Breakaway Sign Post For Detours.....	101.05	
01 55 26 00-0239 EA Temporary Lap Splice Hardware for 4 LB/LF, Breakaway Sign Post For Detours.....	61.83	
01 55 26 00-0240 Temporary Breakaway Sign Posts, 4 LB/LF For Detours (01 55 26 00-0236)		
01 55 26 00-0241 LF Temporary Breakaway Sign Post, 4 LB/LF For Detours	13.75	
01 55 26 00-0242 Temporary Driven Sign Posts For Detours (01 55 26 00-0229)		
01 55 26 00-0243 Temporary Driven Posts, 2.5 LB/LF For Detours (01 55 26 00-0242)		
01 55 26 00-0244 LF Temporary Driven Post, 2.5 LB/LF For Detours.....	13.35	
For Each Soil Plate, Add	3.00	
01 55 26 00-0245 Temporary Driven Posts, 4 LB/LF For Detours (01 55 26 00-0242)		
01 55 26 00-0246 LF Temporary Driven Post, 4 LB/LF For Detours.....	16.28	
For Each Soil Plate, Add	3.00	
01 55 26 00-0247 Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours (01 55 26 00-0229)		
01 55 26 00-0248 Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0247) Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0249 EA Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525)	1,138.07	
01 55 26 00-0250 EA Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Transpo B650)	1,212.78	
01 55 26 00-0251 EA Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Transpo A14 And A16).....	831.44	
01 55 26 00-0252 EA Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Transpo A3 And A4.5).....	728.22	
01 55 26 00-0253 EA Temporary Omni-Directional Breakaway System For Square Tube (Transpo AS3 And AS4).....	825.71	
01 55 26 00-0254 EA Temporary Omni-Directional Breakaway System For U-Channels (Transpo AU4 To AU6).....	785.56	
01 55 26 00-0255 EA Temporary Omni-Directional Breakaway System For U-Channels Embedded (Transpo AUX4 To AUX6).....	744.19	
01 55 26 00-0256 Temporary Omni-Directional Breakaway Systems For Poles For Detours (01 55 26 00-0247) Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
01 55 26 00-0257 EA Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	405.25	
01 55 26 00-0258 EA Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	424.92	
01 55 26 00-0259 EA Temporary Omni-Directional Breakaway System For Poles With 1" Couplings.....	441.24	
01 55 26 00-0260 EA Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	669.99	
01 55 26 00-0261 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	58.84	
01 55 26 00-0262 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	78.44	
01 55 26 00-0263 Temporary Rumble Strips (01 55 26) Note: Includes removal after use.		
01 55 26 00-0264 LF 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	13.37	
01 55 26 00-0265 LF 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	9.58	



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 56 Temporary Barriers and Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)

01 56 16 00-0001 Temporary Sheeting For Protection (01 56 16)

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors	0.36
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls.....	0.47
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.62
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.62
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.45
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.56
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.71
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.67
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.87
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors.....	0.47
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls.....	0.58
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings.....	0.73
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding.....	0.69
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.46
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.57
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.72
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.68
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.54
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.65
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.80
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.76

01 56 16 00-0023 Accessories For Temporary Sheeting (01 56 16)

Note: Includes removal after use.

01 56 16 00-0024	EA	7' Zipper Door For Plastic Sheeting	23.80
01 56 16 00-0025	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	9.55

Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.

01 56 16 00-0026 Temporary Critical Barriers For Protection (01 56 16)

Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.

01 56 16 00-0027	EA	Up To 1 SF Individual Critical Barriers.....	12.86
Note: For Outlets And Receptacles			
01 56 16 00-0028	EA	>1 To 4 SF Individual Critical Barriers	19.51
Note: For diffusers, ceiling speakers, return grilles, etc.			
01 56 16 00-0029	EA	>4 To 8 SF Individual Critical Barriers	26.23
Note: For diffusers, return grilles, access doors, light fixtures, etc.			
01 56 16 00-0030	EA	>8 To 32 SF Individual Critical Barriers	40.96
Note: For doors, windows, etc.			

01 56 16 00-0031 Temporary Stud Wall (01 56 16)

Note: Includes removal after use.

01 56 16 00-0032 Temporary Stud Wall With Drywall (01 56 16 00-0031)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.

01 56 16 00-0033 Temporary Stud Wall With Drywall (01 56 16 00-0032)

01 56 16 00-0034	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.89
For Metal Studs 24" On Center, Add/Deduct			0.44
01 56 16 00-0035	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.89
For Metal Studs 24" On Center, Add/Deduct			0.44
01 56 16 00-0036	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.00
For Metal Studs 24" On Center, Add/Deduct			0.44
01 56 16 00-0037	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.53
For Metal Studs 24" On Center, Add/Deduct			0.55
01 56 16 00-0038	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.53
For Metal Studs 24" On Center, Add/Deduct			0.55
01 56 16 00-0039	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.75
For Metal Studs 24" On Center, Add/Deduct			0.55

01 56 16 00-0040 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0032)

01 56 16 00-0041	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.02
For Metal Studs 24" On Center, Add/Deduct			0.44
01 56 16 00-0042	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.06
For Metal Studs 24" On Center, Add/Deduct			0.44
01 56 16 00-0043	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.99
For Metal Studs 24" On Center, Add/Deduct			0.44
01 56 16 00-0044	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.84
For Metal Studs 24" On Center, Add/Deduct			0.44

01	01	General Requirements
	01 50	Temporary Facilities and Controls
	01 56	Temporary Barriers and Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0045	SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.78	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0046	SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.86	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0047	SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.73	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0048	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	11.43	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0049			Temporary Stud Wall With Oriented Strand Board (OSB) <small>(01 56 16 00-0031)</small>		
			Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0050	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.72	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0051	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.76	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0052	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.89	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0053	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.96	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0054	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.18	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0055	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.27	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0056	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.53	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0057	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.66	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0058			Temporary Stud Wall With BC Plywood <small>(01 56 16 00-0031)</small>		
			Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0059	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.02	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0060	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.19	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0061	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.37	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0062	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.51	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.44	
01 56 16 00-0063	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.79	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0064	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.12	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0065	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.49	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0066	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.77	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.55	
01 56 16 00-0067			Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0031)</small>		
			Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheathing, and removal after use.		
01 56 16 00-0068	SF		6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.98	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.32	
01 56 16 00-0069	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.06	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.32	
01 56 16 00-0070	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.08	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.32	
01 56 16 00-0071	SF		6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.08	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.32	
01 56 16 00-0072	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.15	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.32	
01 56 16 00-0073			Temporary Doors <small>(01 56 16 00-0031)</small>		
			Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0074	EA		Temporary Metal Door And Frame.....	673.82	
			Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0075			Temporary Floor Protection <small>(01 56 16)</small>		
			Note: Includes removal after use.		
01 56 16 00-0076	SF		1/8" Thick, Masonite For Temporary Floor Protection.....	1.73	
01 56 16 00-0077	SF		1/2" Thick, Plywood For Temporary Floor Protection.....	1.75	
01 56 16 00-0078	SF		3/4" Thick, Plywood For Temporary Floor Protection.....	2.06	
01 56 16 00-0079	LF		38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection.....	1.04	
01 56 16 00-0080	LF		36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection.....	0.33	
01 56 16 00-0081	CSF		3 Mil, Temporary Self-adhesive Carpet Protection Film.....	26.63	
01 56 16 00-0082	SF		Burlap For Temporary Floor Protection.....	0.69	



General Requirements		01
Temporary Facilities and Controls		01 50
Temporary Barriers and Enclosures		01 56

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 56 16 00-0083	Sticky Mats <small>(01 56 16)</small> Note: Includes removal after use.	
01 56 16 00-0084	EA 18" x 36", 30 Layer Sticky Mat.....	37.11
	<i>For 60 Layers Instead Of 30, Add</i>	24.67
01 56 16 00-0085	EA 18" x 46", 30 Layer Sticky Mat.....	42.59
	<i>For 60 Layers Instead Of 30, Add</i>	28.78
01 56 16 00-0086	EA 24" x 36", 30 Layer Sticky Mat.....	42.59
	<i>For 60 Layers Instead Of 30, Add</i>	28.78
01 56 16 00-0087	EA 25" x 45", 30 Layer Sticky Mat.....	56.30
	<i>For 60 Layers Instead Of 30, Add</i>	39.06
01 56 16 00-0088	EA 36" x 36", 30 Layer Sticky Mat.....	61.78
	<i>For 60 Layers Instead Of 30, Add</i>	43.17
01 56 16 00-0089	EA 36" x 46", 30 Layer Sticky Mat.....	67.26
	<i>For 60 Layers Instead Of 30, Add</i>	47.28
01 56 16 00-0090	EA 36" x 60", 30 Layer Sticky Mat.....	135.78
	<i>For 60 Layers Instead Of 30, Add</i>	98.67
01 56 16 00-0091	EA 36" x 72", 30 Layer Sticky Mat.....	162.09

01 56 26 Temporary Fencing (01 56)

01 56 26 00-0001	Temporary Fencing <small>(01 56 26)</small> Note: Per ASTM A392-06 Standards	
01 56 26 00-0002	Temporary Chain Link Fence <small>(01 56 26 00-0001)</small> Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.	
01 56 26 00-0003	Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>	
01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	6.36
	<i>For >100 To 250, Deduct</i>	-0.15
	<i>For >250 To 500, Deduct</i>	-0.30
	<i>For >500, Deduct</i>	-0.45
	<i>For Each LF Shade Cloth, Add</i>	1.60
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	7.08
	<i>For >100 To 250, Deduct</i>	-0.17
	<i>For >250 To 500, Deduct</i>	-0.34
	<i>For >500, Deduct</i>	-0.51
	<i>For Each LF Shade Cloth, Add</i>	2.55
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	9.75
	<i>For >100 To 250, Deduct</i>	-0.29
	<i>For >250 To 500, Deduct</i>	-0.57
	<i>For >500, Deduct</i>	-0.86
	<i>For Each LF Shade Cloth, Add</i>	3.60
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	21.43
	<i>For >100 To 250, Deduct</i>	-0.85
	<i>For >250 To 500, Deduct</i>	-1.70
	<i>For >500, Deduct</i>	-2.54
	<i>For Each LF Shade Cloth, Add</i>	4.75
01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>	
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	6.87
	<i>For >100 To 250, Deduct</i>	-0.17
	<i>For >250 To 500, Deduct</i>	-0.33
	<i>For >500, Deduct</i>	-0.50
	<i>For Each LF Shade Cloth, Add</i>	1.60
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	7.42
	<i>For >100 To 250, Deduct</i>	-0.19
	<i>For >250 To 500, Deduct</i>	-0.37
	<i>For >500, Deduct</i>	-0.56
	<i>For Each LF Shade Cloth, Add</i>	2.55
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	10.31
	<i>For >100 To 250, Deduct</i>	-0.31
	<i>For >250 To 500, Deduct</i>	-0.63
	<i>For >500, Deduct</i>	-0.94
	<i>For Each LF Shade Cloth, Add</i>	3.60
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	23.12
	<i>For >100 To 250, Deduct</i>	-0.93
	<i>For >250 To 500, Deduct</i>	-1.86
	<i>For >500, Deduct</i>	-2.80
	<i>For Each LF Shade Cloth, Add</i>	4.75
01 56 26 00-0013	Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>	
01 56 26 00-0014	LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	7.00
	<i>For >100 To 250, Deduct</i>	-0.18
	<i>For >250 To 500, Deduct</i>	-0.36
	<i>For >500, Deduct</i>	-0.54
	<i>For Each LF Shade Cloth, Add</i>	1.60

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	7.80	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	10.95	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-1.04	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	24.98	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-2.05	
For >500, Deduct	-3.08	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	7.36	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.60	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	8.18	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.45	
For >500, Deduct	-0.67	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	11.63	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.14	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	27.03	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-3.38	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	253.82	
For Each LF Shade Cloth, Add	14.23	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	431.39	
For Each LF Shade Cloth, Add	35.57	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	483.02	
For Each LF Shade Cloth, Add	42.68	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	549.83	
For Each LF Shade Cloth, Add	53.35	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	658.55	
For Each LF Shade Cloth, Add	71.14	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	733.06	
For Each LF Shade Cloth, Add	85.36	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	271.77	
For Each LF Shade Cloth, Add	22.67	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	465.96	
For Each LF Shade Cloth, Add	56.69	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	522.88	
For Each LF Shade Cloth, Add	68.02	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	605.97	
For Each LF Shade Cloth, Add	85.03	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	732.47	
For Each LF Shade Cloth, Add	113.37	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	831.24	
For Each LF Shade Cloth, Add	136.05	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	303.50	
For Each LF Shade Cloth, Add	32.01	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	534.07	
For Shade Cloth, Add	80.03	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	597.28	
For Shade Cloth, Add	96.03	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	683.78	
For Shade Cloth, Add	120.04	



		General Requirements	01
		Temporary Facilities and Controls	01 50
		Temporary Barriers and Enclosures	01 56

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	835.67 160.06	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	970.00 192.07	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	367.65 42.24	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	640.39 105.59	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	717.61 126.71	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	820.34 158.39	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	1,002.82 211.18	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	1,158.69 253.42	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	263.35 14.23	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	446.21 35.57	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	499.96 42.68	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	568.89 53.35	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	681.84 71.14	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	758.47 85.36	
01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	281.73 22.67	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	481.45 56.69	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	540.59 68.02	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	625.89 85.03	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	756.82 113.37	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	857.80 136.05	
01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	314.46 32.01	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	551.11 80.03	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	616.76 96.03	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	705.69 120.04	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	862.45 160.06	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	999.22 192.07	
01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	381.34 42.24	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	661.69 105.59	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	741.96 126.71	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	847.73 158.39	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,036.29 211.18	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,195.22 253.42	

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 26 00-0082	Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083	4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	273.35	
	For Each LF Shade Cloth, Add	14.23	
01 56 26 00-0085	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	461.77	
	For Each LF Shade Cloth, Add	35.57	
01 56 26 00-0086	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	517.74	
	For Each LF Shade Cloth, Add	42.68	
01 56 26 00-0087	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	588.89	
	For Each LF Shade Cloth, Add	53.35	
01 56 26 00-0088	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	706.29	
	For Each LF Shade Cloth, Add	71.14	
01 56 26 00-0089	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	785.15	
	For Each LF Shade Cloth, Add	85.36	
01 56 26 00-0090	6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	292.19	
	For Each LF Shade Cloth, Add	22.67	
01 56 26 00-0092	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	497.72	
	For Each LF Shade Cloth, Add	56.69	
01 56 26 00-0093	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	559.18	
	For Each LF Shade Cloth, Add	68.02	
01 56 26 00-0094	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	646.80	
	For Each LF Shade Cloth, Add	85.03	
01 56 26 00-0095	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	782.38	
	For Each LF Shade Cloth, Add	113.37	
01 56 26 00-0096	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	885.68	
	For Each LF Shade Cloth, Add	136.05	
01 56 26 00-0097	8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	325.96	
	For Each LF Shade Cloth, Add	32.01	
01 56 26 00-0099	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	569.01	
	For Shade Cloth, Add	80.03	
01 56 26 00-0100	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	637.21	
	For Shade Cloth, Add	96.03	
01 56 26 00-0101	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	728.70	
	For Shade Cloth, Add	120.04	
01 56 26 00-0102	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	890.57	
	For Shade Cloth, Add	160.06	
01 56 26 00-0103	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,029.90	
	For Shade Cloth, Add	192.07	
01 56 26 00-0104	10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	395.72	
	For Each LF Shade Cloth, Add	42.24	
01 56 26 00-0106	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	684.06	
	For Each LF Shade Cloth, Add	105.59	
01 56 26 00-0107	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	767.52	
	For Each LF Shade Cloth, Add	126.71	
01 56 26 00-0108	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	876.49	
	For Each LF Shade Cloth, Add	158.39	
01 56 26 00-0109	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,071.44	
	For Each LF Shade Cloth, Add	211.18	
01 56 26 00-0110	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,233.56	
	For Each LF Shade Cloth, Add	253.42	
01 56 26 00-0111	Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112	4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	283.35	
	For Each LF Shade Cloth, Add	14.23	
01 56 26 00-0114	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	477.33	
	For Each LF Shade Cloth, Add	35.57	
01 56 26 00-0115	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	535.53	
	For Each LF Shade Cloth, Add	42.68	
01 56 26 00-0116	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	608.90	
	For Each LF Shade Cloth, Add	53.35	
01 56 26 00-0117	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	730.74	
	For Each LF Shade Cloth, Add	71.14	
01 56 26 00-0118	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	811.82	
	For Each LF Shade Cloth, Add	85.36	
01 56 26 00-0119	6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	302.65	
	For Each LF Shade Cloth, Add	22.67	



		General Requirements	01
		Temporary Facilities and Controls	01 50
		Temporary Barriers and Enclosures	01 56

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	513.99	
For Each LF Shade Cloth, Add	56.69	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	577.77	
For Each LF Shade Cloth, Add	68.02	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	667.72	
For Each LF Shade Cloth, Add	85.03	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	807.95	
For Each LF Shade Cloth, Add	113.37	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	913.57	
For Each LF Shade Cloth, Add	136.05	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	337.47	
For Each LF Shade Cloth, Add	32.01	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	586.90	
For Shade Cloth, Add	80.03	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	657.67	
For Shade Cloth, Add	96.03	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	751.71	
For Shade Cloth, Add	120.04	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	905.69	
For Shade Cloth, Add	160.06	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,060.57	
For Shade Cloth, Add	192.07	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	410.10	
For Each LF Shade Cloth, Add	42.24	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	706.43	
For Each LF Shade Cloth, Add	105.59	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	793.09	
For Each LF Shade Cloth, Add	126.71	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	905.25	
For Each LF Shade Cloth, Add	158.39	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,106.60	
For Each LF Shade Cloth, Add	211.18	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,271.91	
For Each LF Shade Cloth, Add	253.42	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	6.95	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.54	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	7.72	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.60	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	10.52	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.97	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.26	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.06	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.65	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	11.08	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.05	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	7.56	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.44	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.71	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	11.72	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.15	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	7.95	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	8.82	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.77	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	12.38	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.25	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag	6.51	
Note: Includes placement and removal.		
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)		
Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts	3.78	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts	5.67	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts	8.19	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	10.08	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.84	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.01	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.13	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	109.67	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	126.55	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	156.07	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	168.73	
01 56 26 00-0174 Temporary Safety Fence (01 56 26)		
Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.35	
01 56 29 Temporary Protective Walkways (01 56)		
01 56 29 00-0001 Temporary Sidewalk Bridge Protection (01 56 29)		
01 56 29 00-0002 Installation of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	181.10	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	6.00	
For Each Additional Foot Over 8' Wide, Add	3.00	
For Each Additional Foot Over 8' High, Add	2.00	
01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge	4.61	
01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 14.94 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 2.24	14.94	
01 56 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 16.82 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 2.52	16.82	
01 56 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 18.69 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 2.80	18.69	
01 56 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 18.69 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 2.80	18.69	
01 56 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 20.54 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 3.08	20.54	
01 56 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 24.31 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 3.65	24.31	
01 56 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 22.44 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 3.37	22.44	
01 56 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 26.18 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 3.93	26.18	
01 56 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 28.00 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 4.20	28.00	
01 56 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge 2.80	2.80	
01 56 29 00-0016 Removal of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0017 LF Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 37.69 Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. For 3 Post System, Add 2.50 For Each Additional Foot Over 8' Wide, Add 1.25 For Each Additional Foot Over 8' High, Add 0.75	37.69	
01 56 29 00-0018 LF Removal Of Netting For Sidewalk Bridge 2.31	2.31	
01 56 29 00-0019 Temporary Safety Nets (01 56 29)		
01 56 29 00-0020 SF Small Mesh Debris Netting 2.17 Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	2.17	
01 56 33 Temporary Security Barriers (01 56)		
01 56 33 00-0001 Board-up Opening With Plywood (01 56 33)		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002 OPNG Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day 12.66	12.66	
01 56 33 00-0003 SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening 8.28	8.28	
01 56 33 00-0004 SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening 9.56	9.56	
01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)		
Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006 DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental 13.95	13.95	
01 56 33 00-0007 WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental 33.89	33.89	
01 56 33 00-0008 MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental 101.66	101.66	
01 56 39 Temporary Tree and Plant Protection (01 56)		
01 56 39 00-0001 Temporary Tree Guards (01 56 39)		
Note: Includes digging holes and removal after use.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail 189.30	189.30	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail 225.91	225.91	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail 245.84	245.84	

01 57 Temporary Controls (01 50)

01	General Requirements
01 50	Temporary Facilities and Controls
01 57	Temporary Controls



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 57 13 Temporary Erosion and Sediment Control (01 57)

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control (01 57)

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard (01 57 23)

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	106.29	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	104.23	
		Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	133.12	
		Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	131.04	
		Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	162.00	
		Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001 Project Sign (01 58 13)

01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	169.95	23.21
		<i>For High-Intensity Grade, Add</i>	43.24	
		<i>For Diamond Grade, Add</i>	83.40	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	295.61	24.26
		<i>For High-Intensity Grade, Add</i>	86.49	
		<i>For Diamond Grade, Add</i>	166.79	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	421.27	25.31
		<i>For High-Intensity Grade, Add</i>	129.73	
		<i>For Diamond Grade, Add</i>	250.19	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	546.94	26.37
		<i>For High-Intensity Grade, Add</i>	172.97	
		<i>For Diamond Grade, Add</i>	333.59	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	17.13	0.84
		<i>For High-Intensity Grade, Add</i>	5.40	
		<i>For Diamond Grade, Add</i>	10.42	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	214.03	23.21
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	256.14	24.26
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	322.06	25.31
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	384.30	26.37
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	12.05	0.84

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	218.74	23.21
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	281.59	24.26
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	347.91	25.31
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	406.46	26.37
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.74	0.84

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts.....	18.59	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	13.98	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	16.87	

01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign.....	84.38	
------------------	----	--	-------	--

01 60 Product Requirements (01)

01 66 Product Storage and Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)



General Requirements	01	10
Product Requirements	01 60	
Product Storage and Handling Requirements	01 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001	Transfer Delivered Materials Between Floors <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.	
01 66 19 00-0002	CY Transfer Delivered Material Between Floors Via Stairs, Per Floor.....	16.22
01 66 19 00-0003	CY Transfer Delivered Material Between Floors Via Elevator, Per Trip..... Note: Quantity equals volume of materials multiplied by number of floors traveled.	10.55
01 66 19 00-0004	Transfer Delivered Materials Distances Greater Than 125' <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.	
01 66 19 00-0005	CY Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'.....	6.59
01 66 19 00-0006	Transfer Demolition Debris Between Floors <small>(01 66 19)</small> Note: Only for use with demolition tasks.	
01 66 19 00-0007	CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor.....	16.22
01 66 19 00-0008	CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip..... Note: Quantity equals material volume times bulk factor times number of floors traveled.	10.55
01 66 19 00-0009	Transfer Demolition Debris Distances Greater Than 125' <small>(01 66 19)</small> Note: Only for use with demolition tasks.	
01 66 19 00-0010	CY Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'.....	6.59
01 66 19 00-0011	Moving Furniture And Furnishings <small>(01 66 19)</small> Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.	
01 66 19 00-0012	SF Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings..... Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.05

01 70 Execution and Closeout Requirements (01)

01 71 Examination and Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001	Equipment Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small> Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.	
01 71 13 00-0002	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	482.46
01 71 13 00-0003	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,552.93
01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small> Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.	
01 71 13 00-0005	EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	514.61
	<i>For >30 To 60 Miles Radius, Add</i>	128.65
	<i>For >60 To 100 Miles Radius, Add</i>	205.84
01 71 13 00-0006	EA >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	836.26
	<i>For >30 To 60 Miles Radius, Add</i>	209.07
	<i>For >60 To 100 Miles Radius, Add</i>	334.50
01 71 13 00-0007	EA >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,157.90
	<i>For >30 To 60 Miles Radius, Add</i>	289.48
	<i>For >60 To 100 Miles Radius, Add</i>	463.16
01 71 13 00-0008	EA >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,865.49
	<i>For >30 To 60 Miles Radius, Add</i>	466.37
	<i>For >60 To 100 Miles Radius, Add</i>	746.20
01 71 13 00-0009	EA >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,341.52
	<i>For >30 To 60 Miles Radius, Add</i>	585.38
	<i>For >60 To 100 Miles Radius, Add</i>	936.61

01	General Requirements
01 70	Execution and Closeout Requirements
01 71	Examination and Preparation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-010	EA		>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	2,914.03 728.51 1,165.61	
01 71 13 00-011	EA		>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	3,357.88 839.47 1,343.15	
01 71 13 00-012	EA		>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	3,756.72 939.18 1,502.69	
01 71 13 00-013	EA		75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	1,994.15 498.54 797.66	
01 71 13 00-014	EA		100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	3,152.04 788.01 1,260.82	
01 71 13 00-015	EA		125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	3,988.29 997.07 1,595.32	
01 71 13 00-016	EA		150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	4,953.20 1,238.30 1,981.28	
01 71 13 00-017	EA		200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	6,175.43 1,543.86 2,470.17	
01 71 13 00-018	EA		250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	7,204.67 1,801.17 2,881.87	
01 71 13 00-019	EA		300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	10,292.38 2,573.10 4,116.95	
01 71 13 00-020	EA		500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> <i>For >60 To 100 Miles Radius, Add</i>	14,113.42 3,528.36 5,645.37	
01 71 23			Field Engineering ^(01 71)		
01 71 23 16			Construction Surveying ^(01 71 23)		
01 71 23 16-0001			Conventional Topographic Survey ^(01 71 23 16) Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002	ACR		Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,232.43	
01 71 23 16-0003	ACR		Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,415.44	
01 71 23 16-0004	ACR		Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings).....	4,908.17	
01 71 23 16-0005	ACR		Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	7,353.37	
01 71 23 16-0006	ACR		Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	9,195.93	
01 71 23 16-0007			Property Lines Survey ^(01 71 23 16) Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008	LF		Survey Property Lines On Cleared Land	2.69	
01 71 23 16-0009	LF		Survey Property Lines On Slightly Wooded Land	3.12	
01 71 23 16-0010	LF		Survey Property Lines On Wooded Land.....	3.65	
01 71 23 16-0011			Survey Monument ^(01 71 23 16)		
01 71 23 16-0012	EA		3' Precast Survey Monument.....	197.04	
			<i>For Owner Furnished Monument, Deduct</i>	-76.01	
01 71 23 16-0013	EA		Precast Survey Monument Box With Cast Iron Frame And Cover.....	295.86	
01 71 23 16-0014	EA		Riser Ring For Survey Monument.....	153.31	
01 71 23 16-0015	EA		Adjust Survey Monument Cover To Grade	228.03	
01 71 23 16-0016			Facade Surveying ^(01 71 23 16)		
01 71 23 16-0017	LF		Facade Survey And Reports (LF Of Facade x Number Of Floors)	7.39	
01 71 23 16-0018			Utility Survey ^(01 71 23 16) Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR		Survey Clear Area For Underground Utilities.....	6,241.91	



General Requirements		01
Execution and Closeout Requirements		01 70
Examination and Preparation		01 71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0020	GPR Bridge Deck And Pavement Inspection (01 71 23 16)	
01 71 23 16-0021	GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)	
	Note: One mobilization per project.	
01 71 23 16-0022	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee..... 3,772.84
01 71 23 16-0023	Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)	
	Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.	
01 71 23 16-0024	EA	Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection 2,905.20
01 71 23 16-0025	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection..... 1.22
01 71 23 16-0026	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection 0.97
01 71 23 16-0027	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection 0.77
01 71 23 16-0028	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection 0.58
01 71 23 16-0029	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection 0.46
01 71 23 16-0030	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection 0.37
01 71 23 16-0031	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection 0.27
01 71 23 16-0032	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)	
	Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.	
01 71 23 16-0033	EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection 968.40
01 71 23 16-0034	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection 0.06
01 71 23 16-0035	Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)	
	Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.	
01 71 23 16-0036	EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection 968.40
01 71 23 16-0037	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection..... 0.45
01 71 23 16-0038	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection 0.35
01 71 23 16-0039	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection 0.27
01 71 23 16-0040	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection 0.21
01 71 23 16-0041	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection 0.17
01 71 23 16-0042	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection 0.14
01 71 23 16-0043	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection 0.10
01 71 23 16-0044	Pavement Structure And Thickness Measurement, GPR Pavement Inspection (01 71 23 16-0020)	
	Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0045	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection 7,201.02
01 71 23 16-0046	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection 3,139.55
01 71 23 16-0047	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection 2,337.72
01 71 23 16-0048	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection 1,276.35
01 71 23 16-0049	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection 1,003.26
01 71 23 16-0050	Pavement Thickness Contour (Mapping), GPR Pavement Inspection (01 71 23 16-0020)	
	Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0051	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection 9,163.00
01 71 23 16-0052	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection 4,309.38
01 71 23 16-0053	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection 3,273.19
01 71 23 16-0054	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection 1,834.15
01 71 23 16-0055	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection 1,450.66
01 71 23 16-0056	Pavement Void Detection (Mapping), GPR Pavement Inspection (01 71 23 16-0020)	
	Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0057	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection 10,880.94
01 71 23 16-0058	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection 5,332.01
01 71 23 16-0059	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection 4,090.52
01 71 23 16-0060	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection 2,322.22
01 71 23 16-0061	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection 1,839.96
01 71 23 16-0062	Drone Survey (Extreme Aerial Productions) (01 71 23 16)	
	Note: Thermographic services to electrical line grid inspections.	
01 71 23 16-0063	Mobilization For Drone Surveying (01 71 23 16-0062)	
01 71 23 16-0064	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing..... 260.36
01 71 23 16-0065	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing 650.89
01 71 23 16-0066	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter 173.57

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 71	Examination and Preparation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0067	EA		Mobilization For Drone Road Survey For Topography/Progression/Inspection	347.14	
01 71 23 16-0068	EA		Mobilization For Drone Survey Stockpile	173.57	
01 71 23 16-0069	EA		Mobilization For Drone Inspection	173.57	
01 71 23 16-0070	EA		Mobilization For Qualitative Drone Thermal Inspection.....	347.14	
01 71 23 16-0071	EA		Mobilization For Quantitative Drone Thermal Inspection	433.92	
01 71 23 16-0072	EA		Mobilization For Drone Agricultural Multispectral Survey.....	694.28	
01 71 23 16-0073	EA		Mobilization For Drone Building Inspection/Scan/Thermal.....	520.71	
01 71 23 16-0074	EA		Mobilization For Drone 3D Modelling	433.92	
01 71 23 16-0075	EA		Mobilization For Drone Spraying Crops Or Sanitation	781.06	
01 71 23 16-0076	EA		Mobilization For Drone Video Progression/Marketing	173.57	
01 71 23 16-0077	EA		Mobilization For Drone Pictures Progression/Marketing	173.57	
01 71 23 16-0078	EA		Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	173.57	
01 71 23 16-0079	EA		Mobilization For Drone Accident Reconstruction	173.57	
01 71 23 16-0080	EA		Mobilization For Drone Landfill Survey	260.36	
01 71 23 16-0081	EA		Mobilization For Drone Event Security Using Tethered Drones.....	347.14	
01 71 23 16-0082	EA		Mobilization For Drone Emergency Response.....	867.85	
01 71 23 16-0083	EA		Mobilization For Drone Cell Tower Inspection	260.36	
01 71 23 16-0084			Drone Surveying <small>(01 71 23 16-0062)</small>		
01 71 23 16-0085	HR		Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	633.53	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0086	HR		> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	807.10	
			<i>For Visual Observation, Add</i>	260.36	
			<i>For Additional Manpower, Add</i>	208.28	
01 71 23 16-0087	HR		Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	520.71	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0088	HR		Drone Road Survey For Topography/Progression/Inspection.....	607.50	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	260.36	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0089	HR		Drone Survey Stockpile	433.92	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0090	HR		Drone Inspection.....	607.50	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0091	HR		Qualitative Drone Thermal Inspection.....	694.28	
			Note: 5 hour minimum		
			<i>For Visual Observation, Add</i>	260.36	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0092	HR		Quantitative Drone Thermal Inspection.....	1,041.42	
			Note: 5 hour minimum		
			<i>For Visual Observation, Add</i>	260.36	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0093	HR		Drone Agricultural Multispectral Survey	781.06	
			Note: 6 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0094	HR		Drone Building Inspection/Scan/Thermal.....	694.28	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	260.36	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0095	HR		Drone 3D Modelling	520.71	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	260.36	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0096	HR		Drone Spraying Crops Or Sanitation	694.28	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	216.96	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0097	HR		Drone Video Progression/Marketing	347.14	
			Note: 2 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0098	HR		Drone Pictures Progression/Marketing	260.36	
			Note: 2 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0099	HR		Drone Training, Flying, Test Prep, Equipment Checks	520.71	
			Note: 3 hour minimum		
01 71 23 16-0100	HR		Drone Accident Reconstruction	781.06	
			Note: 2 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	
01 71 23 16-0101	HR		Drone Landfill Survey.....	633.53	
			Note: 3 hour minimum		
			<i>For Visual Observation, Add</i>	173.57	
			<i>For Additional Manpower, Add</i>	173.57	



General Requirements	01	10
Execution and Closeout Requirements	01 70	
Examination and Preparation	01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0102 HR Drone Event Security Using Tethered Drones.....	433.92	
Note: 3 hour minimum		
For Visual Observation, Add	173.57	
For Additional Manpower, Add	173.57	
01 71 23 16-0103 HR Drone Emergency Response.....	433.92	
Note: 3 hour minimum		
For Visual Observation, Add	260.36	
For Additional Manpower, Add	173.57	
01 71 23 16-0104 HR Drone Cell Tower Inspection	433.92	
Note: 3 hour minimum		
For Visual Observation, Add	216.96	
For Additional Manpower, Add	173.57	
01 71 23 16-0105 Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0106 Day Utilization Of GPS Ground Control For Drone Surveying	433.92	
01 71 23 16-0107 Day Utilization Of GPS Base Station Per Day For Drone Surveying.....	433.92	
01 71 23 16-0108 HR Processing And Data Deliverables And Reporting For Drone Surveying.....	173.57	
Note: 2 hour minimum		
01 71 23 16-0109 HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying.....	347.14	
Note: 3 hour minimum		
01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0111 MI Travel Over 100 Miles For Drone Surveying.....	1.00	
Note: For additional miles over 100		
01 71 23 16-0112 EA Overnight Stay Per Person For Drone Surveying	216.96	
01 71 23 16-0113 EA Waiver Utilization B, C, D, And E For Drone Surveying.....	86.78	
Note: Restricted airspace		
01 71 23 16-0114 EA Night Waiver For Drone Surveying	112.82	
01 71 23 16-0115 EA Flying Over People Waiver For Drone Surveying	173.57	
01 71 23 16-0116 EA Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	867.85	
01 71 23 16-0117 HR Editing Video For Drone Surveying.....	173.57	
Note: 2 hour minimum		
01 71 23 16-0118 HR Editing Pictures For Drone Surveying.....	86.78	
Note: 2 hour minimum		
01 71 23 16-0119 HR Custom Post Processing For Drone Surveying	260.36	
Note: 3 hour minimum		
01 71 36 Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001 Electromagnetic Survey (01 71 36)		
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)		
01 71 36 00-0003 EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,120.20	
01 71 36 00-0004 EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,680.30	
01 71 36 00-0005 EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,360.60	
01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)		
01 71 36 00-0007 EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	373.40	
Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.		
01 71 36 00-0008 EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	746.80	
Note: Includes GPS coordinates of located items and reference items.		
01 71 36 00-0009 EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,680.30	
Note: Includes additions to the owner provided CAD drawing.		
01 74 Cleaning and Waste Management (01 70)		
01 74 13 Progress Cleaning (01 74)		
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001 General (01 74 13)		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	21.12	
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster	24.73	
Note: Per CY of debris removed.		
01 74 16 Site Maintenance (01 74)		
01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16)		
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 74	Cleaning and Waste Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)		
01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper.....	22.34	
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	26.82	
01 74 16 00-0005 Runway Sweeping (01 74 16 00-0001)		
01 74 16 00-0006 MSF Sweep Runway, With Street Sweep.....	33.53	
01 74 19 Construction Waste Management and Disposal (01 74)		
Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001 Debris Chutes (01 74 19)		
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002 Steel Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute.....	42.05	
01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute.....	63.77	
01 74 19 00-0005 Plastic Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute.....	16.65	
For Steel Liner, Add		
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute.....	19.08	
For Steel Liner, Add		
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute.....	21.51	
For Steel Liner, Add		
01 74 19 00-0009 Wood Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute.....	32.86	
Note: Includes fabrication and installation.		
01 74 19 00-0011 Construction Dumpsters Rental (01 74 19)		
Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012 EA 10 CY Dumpster (1 Ton) "Construction Debris".....	587.50	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0013 EA 15 CY Dumpster (1.5 Ton) "Construction Debris".....	634.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0014 EA 20 CY Dumpster (3 Ton) "Construction Debris".....	685.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0015 EA 30 CY Dumpster (4 Ton) "Construction Debris".....	734.96	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0016 EA 40 CY Dumpster (6 Ton) "Construction Debris".....	814.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	714.85	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable.....	780.05	
Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable.....	838.26	
Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0020 Concrete Washout Service (01 74 19)		
01 74 19 00-0021 MO Ramplless Concrete Washout Bin.....	589.50	
Note: Includes delivery.		
01 74 19 00-0022 MO Ramped Concrete Washout Bin.....	707.40	
Note: Includes delivery.		
01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin.....	617.19	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	1,337.24	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0025 Debris Processing Fee (01 74 19)		



General Requirements	01	10
Execution and Closeout Requirements	01 70	
Cleaning and Waste Management	01 74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0026		
Material Recycling Fees <small>(01 74 19 00-0025)</small>		
<small>Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.</small>		
01 74 19 00-0027 CY Drop-Off Asphalt At Recycling Center	46.33	
01 74 19 00-0028 CY Drop-Off Non-Reinforced Concrete At Recycling Center	62.07	
01 74 19 00-0029 CY Drop-Off Reinforced Concrete At Recycling Center	93.10	
01 74 19 00-0030 CY Drop-Off Brick Or Block At Recycling Center	80.69	
01 74 19 00-0031 CY Drop-Off Dirt At Recycling Center	90.00	
01 74 19 00-0032 CY Drop-Off Dimensional Lumber At Recycling Center	86.90	
01 74 19 00-0033		
Landfill Dump Fees <small>(01 74 19 00-0025)</small>		
<small>Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0039 for hauling.</small>		
01 74 19 00-0034 CY Traditional Building Construction Materials Landfill Dump Fee	41.30	
01 74 19 00-0035 TON Traditional Building Construction Materials, Landfill Dump Fee	180.00	
01 74 19 00-0036 CY Trees, Stumps And Brush, Landfill Dump Fee	49.72	
01 74 19 00-0037 CY Hazardous Materials And Rubbish Landfill Dump Fee	118.56	
<small>Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.</small>		
01 74 19 00-0038 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	84.24	
01 74 19 00-0039		
Hauling <small>(01 74 19)</small>		
<small>Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.</small>		
01 74 19 00-0040 CYM Hauling On Paved Roads, First 15 Miles	1.00	
01 74 19 00-0041 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles	0.67	
01 74 19 00-0042 CYM Hauling On Unimproved Roads, First 15 Miles	1.53	
01 74 19 00-0043 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.20	
01 74 23		
Final Cleaning <small>(01 74)</small>		
01 74 23 00-0001		
Cleaning Of Glass <small>(01 74 23)</small>		
01 74 23 00-0002 CSF Cleaning Of Existing Glass Surfaces	29.03	

END OF SECTION 01

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 74	Cleaning and Waste Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry or Asphalt Assessment ^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling ^(02 25 16)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling and Sampling ^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew ^(02 32 13)

02 32 13 00-0002 EA Mobilization Of Drilling Crew 1,187.09

02 32 13 00-0003 Auger Borings ^(02 32 13)

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 35.75

02 32 13 00-0005 Cased Borings In Earth, With Samples ^(02 32 13)

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 93.25

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 159.48

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") ^(02 32 13)

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 98.42

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 9.37

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") ^(02 32 13)

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 127.32

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 10.78

02 32 13 00-0014 Test Pits For Boring Activities ^(02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits ^(02 32 13 00-0014)

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 67.61

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 78.88

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 105.17

02 32 13 00-0019 Hand-Dug Test Pits ^(02 32 13 00-0014)

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 187.47

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 337.44

02 32 13 00-0022 Shelby Tube Sampling ^(02 32 13)

02 32 13 00-0023 EA Shelby Tube Sampling 53.94

02 32 13 00-0024 EA Penetration Test 43.95

02 32 13 00-0025 Grouting ^(02 32 13)

02 32 13 00-0026 VLF Boreholes 10.23

02 32 19 Exploratory Excavations ^(02 32)

02 32 19 00-0001 Hydro Excavation ^(02 32 19)

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization 167.57

02 32 19 00-0003 EA Hydro Excavation, Minimum Charge 670.27

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) 37.23

Note: Normal soil conditions consist of silt, sand and gravel.

02 Existing Conditions**02 30 Subsurface Investigation****02 32 Geotechnical Investigations**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....59.58
 Note: Adverse soil conditions consist of clay, glacial till and rocks.

02 40 Demolition and Structure Moving (02)**02 41 Demolition** (02 40)**02 41 13 Selective Site Demolition** (02 41)**02 41 13 13 Paving Removal** (02 41 13)**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete****Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.24
		<i>For >500 To 1,000, Deduct</i>	-0.72
		<i>For >1,000 To 2,500, Deduct</i>	-1.30
		<i>For >2,500 To 5,000, Deduct</i>	-1.88
		<i>For >5,000 To 10,000, Deduct</i>	-2.46
		<i>For >10,000, Deduct</i>	-3.04
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	10.85
		<i>For >500 To 1,000, Deduct</i>	-1.09
		<i>For >1,000 To 2,500, Deduct</i>	-1.95
		<i>For >2,500 To 5,000, Deduct</i>	-2.82
		<i>For >5,000 To 10,000, Deduct</i>	-3.69
		<i>For >10,000, Deduct</i>	-4.56
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	14.47
		<i>For >500 To 1,000, Deduct</i>	-1.45
		<i>For >1,000 To 2,500, Deduct</i>	-2.60
		<i>For >2,500 To 5,000, Deduct</i>	-3.76
		<i>For >5,000 To 10,000, Deduct</i>	-4.92
		<i>For >10,000, Deduct</i>	-6.08
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.05
		<i>For >500 To 1,000, Deduct</i>	-1.41
		<i>For >1,000 To 2,500, Deduct</i>	-2.53
		<i>For >2,500 To 5,000, Deduct</i>	-3.65
		<i>For >5,000 To 10,000, Deduct</i>	-4.78
		<i>For >10,000, Deduct</i>	-5.90
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	19.85
		<i>For >500 To 1,000, Deduct</i>	-1.99
		<i>For >1,000 To 2,500, Deduct</i>	-3.57
		<i>For >2,500 To 5,000, Deduct</i>	-5.16
		<i>For >5,000 To 10,000, Deduct</i>	-6.75
		<i>For >10,000, Deduct</i>	-8.34
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	28.11
		<i>For >500 To 1,000, Deduct</i>	-2.81
		<i>For >1,000 To 2,500, Deduct</i>	-5.06
		<i>For >2,500 To 5,000, Deduct</i>	-7.31
		<i>For >5,000 To 10,000, Deduct</i>	-9.56
		<i>For >10,000, Deduct</i>	-11.81
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	39.68
		<i>For >500 To 1,000, Deduct</i>	-3.97
		<i>For >1,000 To 2,500, Deduct</i>	-7.14
		<i>For >2,500 To 5,000, Deduct</i>	-10.32
		<i>For >5,000 To 10,000, Deduct</i>	-13.49
		<i>For >10,000, Deduct</i>	-16.67
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	51.89
		<i>For >500 To 1,000, Deduct</i>	-5.19
		<i>For >1,000 To 2,500, Deduct</i>	-9.34
		<i>For >2,500 To 5,000, Deduct</i>	-13.49
		<i>For >5,000 To 10,000, Deduct</i>	-17.64
		<i>For >10,000, Deduct</i>	-21.79
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	67.46
		<i>For >500 To 1,000, Deduct</i>	-6.75
		<i>For >1,000 To 2,500, Deduct</i>	-12.14
		<i>For >2,500 To 5,000, Deduct</i>	-17.54
		<i>For >5,000 To 10,000, Deduct</i>	-22.94
		<i>For >10,000, Deduct</i>	-28.33

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (0241 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.74
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.21
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	2.92
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0016 SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.77	
02 41 13 13-0017 SF >6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.65	
02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>		
<small>Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.</small>		
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving	15.68	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	4.70	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
<i>For Elevated Slab, Add</i>	7.84	
<i>For >500 To 1,000, Deduct</i>	-1.57	
<i>For >1,000 To 2,500, Deduct</i>	-2.82	
<i>For >2,500 To 5,000, Deduct</i>	-4.08	
<i>For >5,000 To 10,000, Deduct</i>	-5.33	
<i>For >10,000, Deduct</i>	-6.59	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving	21.41	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	6.42	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
<i>For Elevated Slab, Add</i>	10.71	
<i>For >500 To 1,000, Deduct</i>	-2.14	
<i>For >1,000 To 2,500, Deduct</i>	-3.85	
<i>For >2,500 To 5,000, Deduct</i>	-5.57	
<i>For >5,000 To 10,000, Deduct</i>	-7.28	
<i>For >10,000, Deduct</i>	-8.99	
02 41 13 13-0021 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving	29.71	
<i>For Elevated Slab, Add</i>	14.86	
<i>For >500 To 1,000, Deduct</i>	-2.97	
<i>For >1,000 To 2,500, Deduct</i>	-5.35	
<i>For >2,500 To 5,000, Deduct</i>	-7.72	
<i>For >5,000 To 10,000, Deduct</i>	-10.10	
<i>For >10,000, Deduct</i>	-12.48	
02 41 13 13-0022 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving	38.77	
<i>For Elevated Slab, Add</i>	19.39	
<i>For >500 To 1,000, Deduct</i>	-3.88	
<i>For >1,000 To 2,500, Deduct</i>	-6.98	
<i>For >2,500 To 5,000, Deduct</i>	-10.08	
<i>For >5,000 To 10,000, Deduct</i>	-13.18	
<i>For >10,000, Deduct</i>	-16.28	
02 41 13 13-0023 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving	53.97	
<i>For Elevated Slab, Add</i>	26.99	
<i>For >500 To 1,000, Deduct</i>	-5.40	
<i>For >1,000 To 2,500, Deduct</i>	-9.71	
<i>For >2,500 To 5,000, Deduct</i>	-14.03	
<i>For >5,000 To 10,000, Deduct</i>	-18.35	
<i>For >10,000, Deduct</i>	-22.67	
02 41 13 13-0024 SY Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	18.04	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	5.41	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
<i>For Elevated Slab, Add</i>	9.02	
<i>For >500 To 1,000, Deduct</i>	-1.80	
<i>For >1,000 To 2,500, Deduct</i>	-3.25	
<i>For >2,500 To 5,000, Deduct</i>	-4.69	
<i>For >5,000 To 10,000, Deduct</i>	-6.13	
<i>For >10,000, Deduct</i>	-7.58	
02 41 13 13-0025 SY >3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	23.61	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	7.08	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
<i>For Elevated Slab, Add</i>	11.81	
<i>For >500 To 1,000, Deduct</i>	-2.36	
<i>For >1,000 To 2,500, Deduct</i>	-4.25	
<i>For >2,500 To 5,000, Deduct</i>	-6.14	
<i>For >5,000 To 10,000, Deduct</i>	-8.03	
<i>For >10,000, Deduct</i>	-9.92	
02 41 13 13-0026 SY >6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	42.16	
<i>For Elevated Slab, Add</i>	21.08	
<i>For >500 To 1,000, Deduct</i>	-4.22	
<i>For >1,000 To 2,500, Deduct</i>	-7.59	
<i>For >2,500 To 5,000, Deduct</i>	-10.96	
<i>For >5,000 To 10,000, Deduct</i>	-14.33	
<i>For >10,000, Deduct</i>	-17.71	
02 41 13 13-0027 SY >9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	55.08	
<i>For Elevated Slab, Add</i>	27.54	
<i>For >500 To 1,000, Deduct</i>	-5.51	
<i>For >1,000 To 2,500, Deduct</i>	-9.91	
<i>For >2,500 To 5,000, Deduct</i>	-14.32	
<i>For >5,000 To 10,000, Deduct</i>	-18.73	
<i>For >10,000, Deduct</i>	-23.13	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	23.95	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.19	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	11.98	
For >500 To 1,000, Deduct	-2.40	
For >1,000 To 2,500, Deduct	-4.31	
For >2,500 To 5,000, Deduct	-6.23	
For >5,000 To 10,000, Deduct	-8.14	
For >10,000, Deduct	-10.06	
02 41 13 13-0029 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	31.03	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.31	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	15.52	
For >500 To 1,000, Deduct	-3.10	
For >1,000 To 2,500, Deduct	-5.59	
For >2,500 To 5,000, Deduct	-8.07	
For >5,000 To 10,000, Deduct	-10.55	
For >10,000, Deduct	-13.03	
02 41 13 13-0030 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	51.44	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	15.43	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	25.72	
For >500 To 1,000, Deduct	-5.14	
For >1,000 To 2,500, Deduct	-9.26	
For >2,500 To 5,000, Deduct	-13.37	
For >5,000 To 10,000, Deduct	-17.49	
For >10,000, Deduct	-21.60	
02 41 13 13-0031 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	25.97	
For Elevated Slab, Add	12.99	
For >500 To 1,000, Deduct	-2.60	
For >1,000 To 2,500, Deduct	-4.67	
For >2,500 To 5,000, Deduct	-6.75	
For >5,000 To 10,000, Deduct	-8.83	
For >10,000, Deduct	-10.91	
02 41 13 13-0032 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	33.39	
For Elevated Slab, Add	16.70	
For >500 To 1,000, Deduct	-3.34	
For >1,000 To 2,500, Deduct	-6.01	
For >2,500 To 5,000, Deduct	-8.68	
For >5,000 To 10,000, Deduct	-11.35	
For >10,000, Deduct	-14.02	
02 41 13 13-0033 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	59.70	
For Elevated Slab, Add	29.85	
For >500 To 1,000, Deduct	-5.97	
For >1,000 To 2,500, Deduct	-10.75	
For >2,500 To 5,000, Deduct	-15.52	
For >5,000 To 10,000, Deduct	-20.30	
For >10,000, Deduct	-25.07	
02 41 13 13-0034 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	77.91	
For Elevated Slab, Add	38.96	
For >500 To 1,000, Deduct	-7.79	
For >1,000 To 2,500, Deduct	-14.02	
For >2,500 To 5,000, Deduct	-20.26	
For >5,000 To 10,000, Deduct	-26.49	
For >10,000, Deduct	-32.72	
02 41 13 13-0035 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	101.86	
For Elevated Slab, Add	50.93	
For >500 To 1,000, Deduct	-10.19	
For >1,000 To 2,500, Deduct	-18.33	
For >2,500 To 5,000, Deduct	-26.48	
For >5,000 To 10,000, Deduct	-34.63	
For >10,000, Deduct	-42.78	
02 41 13 13-0036 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	123.62	
For Elevated Slab, Add	61.81	
For >500 To 1,000, Deduct	-12.36	
For >1,000 To 2,500, Deduct	-22.25	
For >2,500 To 5,000, Deduct	-32.14	
For >5,000 To 10,000, Deduct	-42.03	
For >10,000, Deduct	-51.92	

02 41 13 13-0037 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0038 SF Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	3.88	
02 41 13 13-0039 SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	5.11	
02 41 13 13-0040 SF >6" To 9" By Hand, Break-up And Remove Bituminous Paving.....	6.65	
02 41 13 13-0041 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	4.86	
02 41 13 13-0042 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	6.71	
02 41 13 13-0043 SF >6" To 9" By Hand, Break-up And Remove Concrete Paving.....	8.59	
02 41 13 13-0044 SF Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	6.80	
02 41 13 13-0045 SF >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	9.38	
02 41 13 13-0046 SF >6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	12.02	



Existing Conditions	02
Demolition and Structure Moving	02 40
Demolition	02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0047 Grind Concrete <small>(02 41 13 13)</small>		
02 41 13 13-0048 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard).....	249.70	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	37.46	
For >1" To 1-1/2" Depth Of Grinding, Add	62.43	
For Up To 5, Add	49.94	
For >5 To 10, Add	24.97	
For >25 To 50, Deduct	-24.97	
For >50 To 250, Deduct	-37.46	
For >250, Deduct	-49.94	
For Sidewalks >5', Add	24.97	
For Up To 12" Additional Feathering Per Side, Add	24.97	
02 41 13 15 Hydro Demolition <small>(02 41 13)</small>		
02 41 13 15-0001 Hydro Demolition Of Concrete Pavement <small>(02 41 13 15)</small>		
Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.54	
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	9.43	
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	12.61	
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	25.11	
02 41 16 Structure Demolition <small>(02 41)</small>		
02 41 16 13 Building Demolition <small>(02 41 16)</small>		
02 41 16 13-0001 Building Interior Demolition <small>(02 41 16 13)</small>		
Note: Guttled and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	7.90	
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	11.94	
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	9.77	
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.68	
02 41 16 13-0006 Commercial And Residential Structures Demolition <small>(02 41 16 13)</small>		
Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
02 41 16 13-0007 Steel Framed Building Demolition <small>(02 41 16 13-0006)</small>		
Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition	74.04	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-5.55	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-11.11	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-16.66	
For Up To 500, Add	22.21	
For >500 To 1,000, Add	14.81	
For >1,000 To 2,000, Add	7.40	
For Volume Of Area Within 15' To An Adjacent Building, Add	24.43	
For No Interior Partitions, Deduct	-18.51	
02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition.....	46.58	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-3.49	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-6.99	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-10.48	
For Up To 500, Add	13.97	
For >500 To 1,000, Add	9.32	
For >1,000 To 2,000, Add	4.66	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.99	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	11.65	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	16.30	
For Volume Of Area Within 15' To An Adjacent Building, Add	15.37	
For No Interior Partitions, Deduct	-11.65	
02 41 16 13-0010 Reinforced Concrete Building Demolition <small>(02 41 16 13-0006)</small>		

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	92.90	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-6.97	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-13.94	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-20.90	
For Up To 500, Add	27.87	
For >500 To 1,000, Add	18.58	
For >1,000 To 2,000, Add	9.29	
For Volume Of Area Within 15' To An Adjacent Building, Add	30.66	
For No Interior Partitions, Deduct	-23.23	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition.....	61.50	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.61	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.23	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-13.84	
For Up To 500, Add	18.45	
For >500 To 1,000, Add	12.30	
For >1,000 To 2,000, Add	6.15	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	9.23	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	15.38	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	21.53	
For Volume Of Area Within 15' To An Adjacent Building, Add	20.30	
For No Interior Partitions, Deduct	-15.38	
02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)	65.28	
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition	65.28	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.90	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.79	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-14.69	
For Up To 500, Add	19.58	
For >500 To 1,000, Add	13.06	
For >1,000 To 2,000, Add	6.53	
For Volume Of Area Within 15' To An Adjacent Building, Add	21.54	
For No Interior Partitions, Deduct	-16.32	
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition.....	41.80	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.14	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.27	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-9.41	
For Up To 500, Add	12.54	
For >500 To 1,000, Add	8.36	
For >1,000 To 2,000, Add	4.18	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.27	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	10.45	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	14.63	
For Volume Of Area Within 15' To An Adjacent Building, Add	13.79	
For No Interior Partitions, Deduct	-10.45	
02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)	56.74	
02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	56.74	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.26	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.51	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-12.77	
For Up To 500, Add	17.02	
For >500 To 1,000, Add	11.35	
For >1,000 To 2,000, Add	5.67	
For Volume Of Area Within 15' To An Adjacent Building, Add	18.72	
For No Interior Partitions, Deduct	-14.19	
02 41 16 13-0018 CCF By Machine, Wood Frame Construction Building Demolition	35.77	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.68	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.37	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.05	
For Up To 500, Add	10.73	
For >500 To 1,000, Add	7.15	
For >1,000 To 2,000, Add	3.58	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.37	
For Volume Of Area Within 15' To An Adjacent Building, Add	11.80	
For No Interior Partitions, Deduct	-8.94	
02 41 16 13-0019 Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)		
Note: Per building volume.		
02 41 16 13-0020 CCF Sorting Of Material Debris For Recycling Prior To Hauling Off	9.27	
For Up To 500, Add	2.78	
For >500 To 1,000, Add	1.85	
For >1,000 To 2,000, Add	0.93	
02 41 16 13-0021 Foundation Demolition (02 41 16 13)		
Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0022 Concrete Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0023 CF Non-Reinforced Concrete Foundation Demolition	14.61	
For >135 To 405, Deduct	-1.28	
For >405 To 810, Deduct	-2.56	
For >810 To 2025, Deduct	-3.65	
For >2025, Deduct	-5.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0024 CF Reinforced Concrete Foundation Demolition	17.53	
<i>For >135 To 405, Deduct</i>	-1.53	
<i>For >405 To 810, Deduct</i>	-3.07	
<i>For >810 To 2025, Deduct</i>	-4.38	
<i>For >2025, Deduct</i>	-7.01	
02 41 16 13-0025 Concrete Foundation Wall Demolition <small>(02 41 16 13-0021)</small>		
02 41 16 13-0026 SF 4" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	6.26	
<i>For >500 To 2,000, Deduct</i>	-0.47	
<i>For >2,000 To 6,000, Deduct</i>	-1.25	
<i>For >6,000 To 8,000, Deduct</i>	-2.19	
<i>For >8,000, Deduct</i>	-3.44	
02 41 16 13-0027 SF 6" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	8.35	
<i>For >500 To 2,000, Deduct</i>	-0.63	
<i>For >2,000 To 6,000, Deduct</i>	-1.67	
<i>For >6,000 To 8,000, Deduct</i>	-2.92	
<i>For >8,000, Deduct</i>	-4.59	
02 41 16 13-0028 SF 8" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	10.43	
<i>For >500 To 2,000, Deduct</i>	-0.78	
<i>For >2,000 To 6,000, Deduct</i>	-2.09	
<i>For >6,000 To 8,000, Deduct</i>	-3.65	
<i>For >8,000, Deduct</i>	-5.74	
02 41 16 13-0029 SF 10" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	12.52	
<i>For >500 To 2,000, Deduct</i>	-0.94	
<i>For >2,000 To 6,000, Deduct</i>	-2.50	
<i>For >6,000 To 8,000, Deduct</i>	-4.38	
<i>For >8,000, Deduct</i>	-6.89	
02 41 16 13-0030 SF 12" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	14.61	
<i>For >500 To 2,000, Deduct</i>	-1.10	
<i>For >2,000 To 6,000, Deduct</i>	-2.92	
<i>For >6,000 To 8,000, Deduct</i>	-5.11	
<i>For >8,000, Deduct</i>	-8.04	
02 41 16 13-0031 SF 16" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	16.70	
<i>For >500 To 2,000, Deduct</i>	-1.25	
<i>For >2,000 To 6,000, Deduct</i>	-3.34	
<i>For >6,000 To 8,000, Deduct</i>	-5.85	
<i>For >8,000, Deduct</i>	-9.19	
02 41 16 13-0032 SF 4" Thick Reinforced Concrete Foundation Wall Demolition	7.51	
<i>For >500 To 2,000, Deduct</i>	-0.56	
<i>For >2,000 To 6,000, Deduct</i>	-1.50	
<i>For >6,000 To 8,000, Deduct</i>	-2.63	
<i>For >8,000, Deduct</i>	-4.13	
02 41 16 13-0033 SF 6" Thick Reinforced Concrete Foundation Wall Demolition	10.01	
<i>For >500 To 2,000, Deduct</i>	-0.75	
<i>For >2,000 To 6,000, Deduct</i>	-2.00	
<i>For >6,000 To 8,000, Deduct</i>	-3.50	
<i>For >8,000, Deduct</i>	-5.51	
02 41 16 13-0034 SF 8" Thick Reinforced Concrete Foundation Wall Demolition	12.52	
<i>For >500 To 2,000, Deduct</i>	-0.94	
<i>For >2,000 To 6,000, Deduct</i>	-2.50	
<i>For >6,000 To 8,000, Deduct</i>	-4.38	
<i>For >8,000, Deduct</i>	-6.89	
02 41 16 13-0035 SF 10" Thick Reinforced Concrete Foundation Wall Demolition	14.81	
<i>For >500 To 2,000, Deduct</i>	-1.11	
<i>For >2,000 To 6,000, Deduct</i>	-2.96	
<i>For >6,000 To 8,000, Deduct</i>	-5.18	
<i>For >8,000, Deduct</i>	-8.15	
02 41 16 13-0036 SF 12" Thick Reinforced Concrete Foundation Wall Demolition	17.53	
<i>For >500 To 2,000, Deduct</i>	-1.31	
<i>For >2,000 To 6,000, Deduct</i>	-3.51	
<i>For >6,000 To 8,000, Deduct</i>	-6.14	
<i>For >8,000, Deduct</i>	-9.64	
02 41 16 13-0037 SF 16" Thick Reinforced Concrete Foundation Wall Demolition	20.03	
<i>For >500 To 2,000, Deduct</i>	-1.50	
<i>For >2,000 To 6,000, Deduct</i>	-4.01	
<i>For >6,000 To 8,000, Deduct</i>	-7.01	
<i>For >8,000, Deduct</i>	-11.02	
02 41 16 13-0038 Concrete Block Foundation Wall Demolition <small>(02 41 16 13-0021)</small>		
02 41 16 13-0039 SF 4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	4.60	
<i>For >500 To 2,000, Deduct</i>	-0.35	
<i>For >2,000 To 6,000, Deduct</i>	-0.92	
<i>For >6,000 To 8,000, Deduct</i>	-1.61	
<i>For >8,000, Deduct</i>	-2.53	
02 41 16 13-0040 SF 6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	4.90	
<i>For >500 To 2,000, Deduct</i>	-0.37	
<i>For >2,000 To 6,000, Deduct</i>	-0.98	
<i>For >6,000 To 8,000, Deduct</i>	-1.72	
<i>For >8,000, Deduct</i>	-2.70	
02 41 16 13-0041 SF 8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	5.53	
<i>For >500 To 2,000, Deduct</i>	-0.41	
<i>For >2,000 To 6,000, Deduct</i>	-1.11	
<i>For >6,000 To 8,000, Deduct</i>	-1.94	
<i>For >8,000, Deduct</i>	-3.04	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0042 SF 10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.36	
For >500 To 2,000, Deduct	-0.48	
For >2,000 To 6,000, Deduct	-1.27	
For >6,000 To 8,000, Deduct	-2.23	
For >8,000, Deduct	-3.50	
02 41 16 13-0043 SF 12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.10	
For >500 To 2,000, Deduct	-0.53	
For >2,000 To 6,000, Deduct	-1.42	
For >6,000 To 8,000, Deduct	-2.49	
For >8,000, Deduct	-3.91	
02 41 16 13-0044 SF 16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	8.87	
For >500 To 2,000, Deduct	-0.67	
For >2,000 To 6,000, Deduct	-1.77	
For >6,000 To 8,000, Deduct	-3.10	
For >8,000, Deduct	-4.88	
02 41 16 13-0045 SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition	5.51	
For >500 To 2,000, Deduct	-0.41	
For >2,000 To 6,000, Deduct	-1.10	
For >6,000 To 8,000, Deduct	-1.93	
For >8,000, Deduct	-3.03	
02 41 16 13-0046 SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition	5.88	
For >500 To 2,000, Deduct	-0.44	
For >2,000 To 6,000, Deduct	-1.18	
For >6,000 To 8,000, Deduct	-2.06	
For >8,000, Deduct	-3.23	
02 41 16 13-0047 SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition	6.64	
For >500 To 2,000, Deduct	-0.50	
For >2,000 To 6,000, Deduct	-1.33	
For >6,000 To 8,000, Deduct	-2.32	
For >8,000, Deduct	-3.65	
02 41 16 13-0048 SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition	7.64	
For >500 To 2,000, Deduct	-0.57	
For >2,000 To 6,000, Deduct	-1.53	
For >6,000 To 8,000, Deduct	-2.67	
For >8,000, Deduct	-4.20	
02 41 16 13-0049 SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition	8.52	
For >500 To 2,000, Deduct	-0.64	
For >2,000 To 6,000, Deduct	-1.70	
For >6,000 To 8,000, Deduct	-2.98	
For >8,000, Deduct	-4.69	
02 41 16 13-0050 SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition	10.65	
For >500 To 2,000, Deduct	-0.80	
For >2,000 To 6,000, Deduct	-2.13	
For >6,000 To 8,000, Deduct	-3.73	
For >8,000, Deduct	-5.86	
02 41 16 13-0051 Brick Foundation Wall Demolition (02 41 16 13-0021)	4.60	
02 41 16 13-0052 SF 4" Thick Brick Foundation Wall Demolition	4.60	
For >500 To 2,000, Deduct	-0.35	
For >2,000 To 6,000, Deduct	-0.92	
For >6,000 To 8,000, Deduct	-1.61	
For >8,000, Deduct	-2.53	
02 41 16 13-0053 SF 6" Thick Brick Foundation Wall Demolition	4.90	
For >500 To 2,000, Deduct	-0.37	
For >2,000 To 6,000, Deduct	-0.98	
For >6,000 To 8,000, Deduct	-1.72	
For >8,000, Deduct	-2.70	
02 41 16 13-0054 SF 8" Thick Brick Foundation Wall Demolition	5.53	
For >500 To 2,000, Deduct	-0.41	
For >2,000 To 6,000, Deduct	-1.11	
For >6,000 To 8,000, Deduct	-1.94	
For >8,000, Deduct	-3.04	
02 41 16 13-0055 SF 10" Thick Brick Foundation Wall Demolition	6.36	
For >500 To 2,000, Deduct	-0.48	
For >2,000 To 6,000, Deduct	-1.27	
For >6,000 To 8,000, Deduct	-2.23	
For >8,000, Deduct	-3.50	
02 41 16 13-0056 SF 12" Thick Brick Foundation Wall Demolition	7.10	
For >500 To 2,000, Deduct	-0.53	
For >2,000 To 6,000, Deduct	-1.42	
For >6,000 To 8,000, Deduct	-2.49	
For >8,000, Deduct	-3.91	
02 41 16 13-0057 SF 16" Thick Brick Foundation Wall Demolition	8.87	
For >500 To 2,000, Deduct	-0.67	
For >2,000 To 6,000, Deduct	-1.77	
For >6,000 To 8,000, Deduct	-3.10	
For >8,000, Deduct	-4.88	
02 41 16 13-0058 Stone Foundation Demolition (02 41 16 13-0021)	14.61	
02 41 16 13-0059 CF Stone Footing Or Foundation Wall Demolition	14.61	
For >135 To 405, Deduct	-1.28	
For >405 To 810, Deduct	-2.56	
For >810 To 2025, Deduct	-3.65	
For >2025, Deduct	-5.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

02 41 16 13-0060 Other Foundation Demolition <small>(02 41 16 13-0021)</small>		
02 41 16 13-0061	CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition	15.36
	Note: Includes excavation.	
	For >135 To 405, Deduct	-1.34
	For >405 To 810, Deduct	-2.69
	For >810 To 2025, Deduct	-3.84
	For >2025, Deduct	-6.14

02 41 19 Selective Demolition (02 41)

02 41 19 13 Selective Building Demolition (02 41 19)

02 41 19 13-0001 Saw Cutting <small>(02 41 19 13)</small>		
	Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0002	LF Bituminous Paving Up To 4" Depth, Saw Cut	2.26
	For Each Additional Pass (Depth To 3"), Add	0.88
	For >250, Deduct	-0.22
02 41 19 13-0003	LF Brick Masonry Up To 4" Depth, Saw Cut	8.52
	For Each Additional Pass (Depth To 3"), Add	3.38
	For >250, Deduct	-0.84
02 41 19 13-0004	LF Concrete Block Up To 4" Depth, Saw Cut	7.71
	For Each Additional Pass (Depth To 3"), Add	3.05
	For >250, Deduct	-0.76
02 41 19 13-0005	LF Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.59
	For Each Additional Pass (Depth To 3"), Add	1.00
	For >250, Deduct	-0.25
02 41 19 13-0006	LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.41
	For Each Additional Pass (Depth To 3"), Add	1.32
	For >250, Deduct	-0.33
02 41 19 13-0007	LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	5.66
	For Each Additional Pass (Depth To 3"), Add	2.22
	For >250, Deduct	-0.55
02 41 19 13-0008	LF Plain Concrete Walls Up To 4" Depth, Saw Cut	10.90
	For Each Additional Pass (Depth To 3"), Add	4.32
	For >250, Deduct	-1.08
02 41 19 13-0009	LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	14.65
	For Each Additional Pass (Depth To 3"), Add	5.81
	For >250, Deduct	-1.45
02 41 19 13-0010	LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.01
	For Each Additional Pass (Depth To 3"), Add	1.08
	For >250, Deduct	-0.26
02 41 19 13-0011	LF Igneous Stone Pavements Up To 4" Depth, Saw Cut	7.73
	For Each Additional Pass (Depth To 3"), Add	3.05
	For >250, Deduct	-0.76
02 41 19 13-0012	LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	7.73
	For Each Additional Pass (Depth To 3"), Add	3.05
	For >250, Deduct	-0.76
02 41 19 13-0013	LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	7.73
	For Each Additional Pass (Depth To 3"), Add	3.05
	For >250, Deduct	-0.76
02 41 19 13-0014	LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	7.73
	For Each Additional Pass (Depth To 3"), Add	3.05
	For >250, Deduct	-0.76
02 41 19 13-0015	EA Saw Cut Minimum Charge	1,076.29
	Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

02 41 19 13-0016 Torch Cutting (02 41 19 13)

	Note: Includes grinding edge	
02 41 19 13-0017	LF Up To 1/2", Torch Cut Steel Plate	3.13
02 41 19 13-0018	LF >1/2" To 1" Thick, Torch Cut Steel Plate	6.27
02 41 19 13-0019	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate	9.41
02 41 19 13-0020	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate	12.55
02 41 19 13-0021	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate	15.68
02 41 19 13-0022	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate	18.82
02 41 19 13-0023	EA Torch Cutting Minimum Charge	1,023.42
	Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

02 41 19 13-0024 Drilling In Existing Materials (02 41 19 13)

Note: Includes drill bit wear, water, layout, set-up and clean-up.

02 41 19 13-0025 Concrete Core Drilling (02 41 19 13-0024)

02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0027 EA Drill 1" Diameter Core In Up To 4" Concrete.....	41.78	
For Horizontal Cores, Add	8.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.51	
02 41 19 13-0028 EA Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	46.35	
For Horizontal Cores, Add	9.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.34	
02 41 19 13-0029 EA Drill 2" Diameter Core In Up To 4" Concrete.....	51.46	
For Horizontal Cores, Add	10.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.38	
02 41 19 13-0030 EA Drill 3" Diameter Core In Up To 4" Concrete.....	73.47	
For Horizontal Cores, Add	14.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.12	
02 41 19 13-0031 EA Drill 4" Diameter Core In Up To 4" Concrete.....	98.45	
For Horizontal Cores, Add	19.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.02	
02 41 19 13-0032 EA Drill 6" Diameter Core In Up To 4" Concrete.....	110.34	
For Horizontal Cores, Add	21.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.68	
02 41 19 13-0033 EA Drill 8" Diameter Core In Up To 4" Concrete.....	176.28	
For Horizontal Cores, Add	34.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	69.88	
02 41 19 13-0034 EA Drill 10" Diameter Core In Up To 4" Concrete.....	220.53	
For Horizontal Cores, Add	43.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	87.35	
02 41 19 13-0035 EA Drill 12" Diameter Core In Up To 4" Concrete.....	257.36	
For Horizontal Cores, Add	50.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.92	
02 41 19 13-0036 EA Drill 14" Diameter Core In Up To 4" Concrete.....	294.20	
For Horizontal Cores, Add	58.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	116.46	
02 41 19 13-0037 EA Drill 18" Diameter Core In Up To 4" Concrete.....	331.46	
For Horizontal Cores, Add	65.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	131.01	
02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0039 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	59.72	
For Horizontal Cores, Add	11.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.58	
02 41 19 13-0040 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	66.27	
For Horizontal Cores, Add	13.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.20	
02 41 19 13-0041 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	73.55	
For Horizontal Cores, Add	14.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.11	
02 41 19 13-0042 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	88.42	
For Horizontal Cores, Add	17.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.94	
02 41 19 13-0043 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	110.59	
For Horizontal Cores, Add	21.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.68	
02 41 19 13-0044 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	147.33	
For Horizontal Cores, Add	29.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.24	
02 41 19 13-0045 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	220.76	
For Horizontal Cores, Add	43.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	87.35	
02 41 19 13-0046 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	258.00	
For Horizontal Cores, Add	50.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.92	
02 41 19 13-0047 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	294.99	
For Horizontal Cores, Add	58.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	116.46	
02 41 19 13-0048 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	332.21	
For Horizontal Cores, Add	65.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	131.01	
02 41 19 13-0049 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	370.01	
For Horizontal Cores, Add	72.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	145.58	
02 41 19 13-0050 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0051 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	65.91	
For Horizontal Cores, Add	12.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.94	
02 41 19 13-0052 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	73.11	
For Horizontal Cores, Add	14.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.82	
02 41 19 13-0053 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	81.12	
For Horizontal Cores, Add	16.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.03	
02 41 19 13-0054 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	96.07	
For Horizontal Cores, Add	18.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0055 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	125.63	
<i>For Horizontal Cores, Add</i>	24.75	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.50	
02 41 19 13-0056 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	177.05	
<i>For Horizontal Cores, Add</i>	34.94	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	69.88	
02 41 19 13-0057 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	294.33	
<i>For Horizontal Cores, Add</i>	58.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.46	
02 41 19 13-0058 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	331.80	
<i>For Horizontal Cores, Add</i>	65.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	131.01	
02 41 19 13-0059 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	369.07	
<i>For Horizontal Cores, Add</i>	72.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	145.58	
02 41 19 13-0060 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	406.56	
<i>For Horizontal Cores, Add</i>	80.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	160.11	
02 41 19 13-0061 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	444.94	
<i>For Horizontal Cores, Add</i>	87.35	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	174.70	
02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling <small>(02 41 19 13-0025)</small>		
02 41 19 13-0063 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	77.97	
<i>For Horizontal Cores, Add</i>	15.33	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.66	
02 41 19 13-0064 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	86.49	
<i>For Horizontal Cores, Add</i>	17.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.07	
02 41 19 13-0065 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	95.94	
<i>For Horizontal Cores, Add</i>	18.92	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	37.85	
02 41 19 13-0066 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	111.01	
<i>For Horizontal Cores, Add</i>	21.84	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.68	
02 41 19 13-0067 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	126.12	
<i>For Horizontal Cores, Add</i>	24.75	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.50	
02 41 19 13-0068 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	177.64	
<i>For Horizontal Cores, Add</i>	34.94	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	69.88	
02 41 19 13-0069 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	295.14	
<i>For Horizontal Cores, Add</i>	58.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.46	
02 41 19 13-0070 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	332.86	
<i>For Horizontal Cores, Add</i>	65.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	131.01	
02 41 19 13-0071 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	370.27	
<i>For Horizontal Cores, Add</i>	72.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	145.55	
02 41 19 13-0072 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	408.17	
<i>For Horizontal Cores, Add</i>	80.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	160.11	
02 41 19 13-0073 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	446.96	
<i>For Horizontal Cores, Add</i>	87.33	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	174.66	
02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling <small>(02 41 19 13-0025)</small>		
02 41 19 13-0075 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	84.15	
<i>For Horizontal Cores, Add</i>	16.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.02	
02 41 19 13-0076 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	93.32	
<i>For Horizontal Cores, Add</i>	18.34	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.69	
02 41 19 13-0077 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	103.51	
<i>For Horizontal Cores, Add</i>	20.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.76	
02 41 19 13-0078 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	111.40	
<i>For Horizontal Cores, Add</i>	21.84	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.68	
02 41 19 13-0079 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	148.46	
<i>For Horizontal Cores, Add</i>	29.12	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	58.24	
02 41 19 13-0080 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	192.80	
<i>For Horizontal Cores, Add</i>	37.85	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	75.71	
02 41 19 13-0081 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	310.52	
<i>For Horizontal Cores, Add</i>	61.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.29	
02 41 19 13-0082 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	333.93	
<i>For Horizontal Cores, Add</i>	65.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	131.01	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0083 EA Drill 12" Diameter Core In >10" To 12" Concrete	386.21	
For Horizontal Cores, Add	75.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	151.42	
02 41 19 13-0084 >12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0085 IN Drill 1" Diameter Core In >12" Concrete	10.22	
For Horizontal Cores, Add	2.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.04	
02 41 19 13-0086 IN Drill 1-1/2" Diameter Core In >12" Concrete	11.35	
For Horizontal Cores, Add	2.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.49	
02 41 19 13-0087 IN Drill 2" Diameter Core In >12" Concrete	12.59	
For Horizontal Cores, Add	2.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.98	
02 41 19 13-0088 IN Drill 3" Diameter Core In >12" Concrete	13.82	
For Horizontal Cores, Add	2.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.46	
02 41 19 13-0089 IN Drill 4" Diameter Core In >12" Concrete	18.43	
For Horizontal Cores, Add	3.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.28	
02 41 19 13-0090 IN Drill 6" Diameter Core In >12" Concrete	23.96	
For Horizontal Cores, Add	4.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.47	
02 41 19 13-0091 IN Drill 8" Diameter Core In >12" Concrete	38.65	
For Horizontal Cores, Add	7.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.30	
02 41 19 13-0092 IN Drill 10" Diameter Core In >12" Concrete	41.65	
For Horizontal Cores, Add	8.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.45	
02 41 19 13-0093 IN Drill 12" Diameter Core In >12" Concrete	47.98	
For Horizontal Cores, Add	9.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.94	
02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)		
02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0096 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	33.52	
For Horizontal Cores, Add	6.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.21	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	37.18	
For Horizontal Cores, Add	7.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.67	
02 41 19 13-0098 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	41.26	
For Horizontal Cores, Add	8.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.30	
02 41 19 13-0099 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	58.91	
For Horizontal Cores, Add	11.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.29	
02 41 19 13-0100 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	78.94	
For Horizontal Cores, Add	15.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.21	
02 41 19 13-0101 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	88.51	
For Horizontal Cores, Add	17.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.94	
02 41 19 13-0102 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	141.33	
For Horizontal Cores, Add	27.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	55.90	
02 41 19 13-0103 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	176.85	
For Horizontal Cores, Add	34.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	69.88	
02 41 19 13-0104 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	206.40	
For Horizontal Cores, Add	40.77	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.53	
02 41 19 13-0105 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	235.98	
For Horizontal Cores, Add	46.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.17	
02 41 19 13-0106 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	265.95	
For Horizontal Cores, Add	52.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	104.81	
02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0108 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	47.93	
For Horizontal Cores, Add	9.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.86	
02 41 19 13-0109 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	53.17	
For Horizontal Cores, Add	10.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.96	
02 41 19 13-0110 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	58.99	
For Horizontal Cores, Add	11.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0111 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	70.94	
<i>For Horizontal Cores, Add</i>	13.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.95	
02 41 19 13-0112 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	88.76	
<i>For Horizontal Cores, Add</i>	17.47	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.94	
02 41 19 13-0113 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	118.21	
<i>For Horizontal Cores, Add</i>	23.29	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.59	
02 41 19 13-0114 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	177.08	
<i>For Horizontal Cores, Add</i>	34.94	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	69.88	
02 41 19 13-0115 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	207.04	
<i>For Horizontal Cores, Add</i>	40.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.53	
02 41 19 13-0116 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	236.77	
<i>For Horizontal Cores, Add</i>	46.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	93.17	
02 41 19 13-0117 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	266.70	
<i>For Horizontal Cores, Add</i>	52.40	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	104.81	
02 41 19 13-0118 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	297.22	
<i>For Horizontal Cores, Add</i>	58.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.46	
02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0120 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	52.93	
<i>For Horizontal Cores, Add</i>	10.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.75	
02 41 19 13-0121 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	58.70	
<i>For Horizontal Cores, Add</i>	11.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.06	
02 41 19 13-0122 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	65.11	
<i>For Horizontal Cores, Add</i>	12.81	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.62	
02 41 19 13-0123 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	77.14	
<i>For Horizontal Cores, Add</i>	15.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.28	
02 41 19 13-0124 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	100.89	
<i>For Horizontal Cores, Add</i>	19.80	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.60	
02 41 19 13-0125 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	142.10	
<i>For Horizontal Cores, Add</i>	27.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.90	
02 41 19 13-0126 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	236.11	
<i>For Horizontal Cores, Add</i>	46.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	93.17	
02 41 19 13-0127 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	266.29	
<i>For Horizontal Cores, Add</i>	52.40	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	104.81	
02 41 19 13-0128 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	296.28	
<i>For Horizontal Cores, Add</i>	58.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.46	
02 41 19 13-0129 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	326.51	
<i>For Horizontal Cores, Add</i>	64.04	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	128.09	
02 41 19 13-0130 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	357.58	
<i>For Horizontal Cores, Add</i>	69.88	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	139.76	
02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0132 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	62.64	
<i>For Horizontal Cores, Add</i>	12.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.53	
02 41 19 13-0133 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	69.45	
<i>For Horizontal Cores, Add</i>	13.63	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.25	
02 41 19 13-0134 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	77.02	
<i>For Horizontal Cores, Add</i>	15.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.28	
02 41 19 13-0135 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	89.18	
<i>For Horizontal Cores, Add</i>	17.47	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.94	
02 41 19 13-0136 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	101.38	
<i>For Horizontal Cores, Add</i>	19.80	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.60	
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	142.69	
<i>For Horizontal Cores, Add</i>	27.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.90	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	236.92	
<i>For Horizontal Cores, Add</i>	46.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	93.17	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	267.35	
For Horizontal Cores, Add	52.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	104.81	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	297.51	
For Horizontal Cores, Add	58.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	116.44	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	328.12	
For Horizontal Cores, Add	64.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.09	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	359.63	
For Horizontal Cores, Add	69.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	139.73	
02 41 19 13-0143 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0144 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	67.64	
For Horizontal Cores, Add	13.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.42	
02 41 19 13-0145 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	74.98	
For Horizontal Cores, Add	14.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.35	
02 41 19 13-0146 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	83.13	
For Horizontal Cores, Add	16.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.61	
02 41 19 13-0147 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	89.57	
For Horizontal Cores, Add	17.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.94	
02 41 19 13-0148 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	119.34	
For Horizontal Cores, Add	23.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.59	
02 41 19 13-0149 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	154.95	
For Horizontal Cores, Add	30.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	60.57	
02 41 19 13-0150 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	249.38	
For Horizontal Cores, Add	48.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.83	
02 41 19 13-0151 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	268.42	
For Horizontal Cores, Add	52.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	104.81	
02 41 19 13-0152 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	310.51	
For Horizontal Cores, Add	60.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	121.14	
02 41 19 13-0153 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0154 IN Drill 1" Diameter Core In >12" Brick/Concrete Block	8.21	
For Horizontal Cores, Add	1.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.23	
02 41 19 13-0155 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.10	
For Horizontal Cores, Add	1.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.59	
02 41 19 13-0156 IN Drill 2" Diameter Core In >12" Brick/Concrete Block	10.10	
For Horizontal Cores, Add	1.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.99	
02 41 19 13-0157 IN Drill 3" Diameter Core In >12" Brick/Concrete Block	11.10	
For Horizontal Cores, Add	2.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.37	
02 41 19 13-0158 IN Drill 4" Diameter Core In >12" Brick/Concrete Block	14.79	
For Horizontal Cores, Add	2.91	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.82	
02 41 19 13-0159 IN Drill 6" Diameter Core In >12" Brick/Concrete Block	19.22	
For Horizontal Cores, Add	3.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.57	
02 41 19 13-0160 IN Drill 8" Diameter Core In >12" Brick/Concrete Block	31.00	
For Horizontal Cores, Add	6.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.24	
02 41 19 13-0161 IN Drill 10" Diameter Core In >12" Brick/Concrete Block	33.42	
For Horizontal Cores, Add	6.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.16	
02 41 19 13-0162 IN Drill 12" Diameter Core In >12" Brick/Concrete Block	38.52	
For Horizontal Cores, Add	7.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.15	
02 41 19 13-0163 Asphalt Core Drilling (02 41 19 13-0024)		
02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0165 EA Drill 1" Diameter Core In Up To 2" Asphalt	20.03	
02 41 19 13-0166 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	25.05	
02 41 19 13-0167 EA Drill 2" Diameter Core In Up To 2" Asphalt	31.31	
02 41 19 13-0168 EA Drill 3" Diameter Core In Up To 2" Asphalt	38.84	
02 41 19 13-0169 EA Drill 4" Diameter Core In Up To 2" Asphalt	48.87	
02 41 19 13-0170 EA Drill 6" Diameter Core In Up To 2" Asphalt	61.40	
02 41 19 13-0171 EA Drill 8" Diameter Core In Up To 2" Asphalt	76.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0172 EA Drill 10" Diameter Core In Up To 2" Asphalt	95.24	
02 41 19 13-0173 EA Drill 12" Diameter Core In Up To 2" Asphalt	119.02	
02 41 19 13-0174 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0175 EA Drill 1" Diameter Core In >2" To 3" Asphalt	25.04	
02 41 19 13-0176 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	32.55	
02 41 19 13-0177 EA Drill 2" Diameter Core In >2" To 3" Asphalt	40.05	
02 41 19 13-0178 EA Drill 3" Diameter Core In >2" To 3" Asphalt	50.07	
02 41 19 13-0179 EA Drill 4" Diameter Core In >2" To 3" Asphalt	62.62	
02 41 19 13-0180 EA Drill 6" Diameter Core In >2" To 3" Asphalt	78.89	
02 41 19 13-0181 EA Drill 8" Diameter Core In >2" To 3" Asphalt	97.73	
02 41 19 13-0182 EA Drill 10" Diameter Core In >2" To 3" Asphalt	122.74	
02 41 19 13-0183 EA Drill 12" Diameter Core In >2" To 3" Asphalt	152.77	
02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0185 EA Drill 1" Diameter Core In >3" To 4" Asphalt	32.56	
02 41 19 13-0186 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	41.33	
02 41 19 13-0187 EA Drill 2" Diameter Core In >3" To 4" Asphalt	51.34	
02 41 19 13-0188 EA Drill 3" Diameter Core In >3" To 4" Asphalt	63.88	
02 41 19 13-0189 EA Drill 4" Diameter Core In >3" To 4" Asphalt	80.20	
02 41 19 13-0190 EA Drill 6" Diameter Core In >3" To 4" Asphalt	100.24	
02 41 19 13-0191 EA Drill 8" Diameter Core In >3" To 4" Asphalt	125.38	
02 41 19 13-0192 EA Drill 10" Diameter Core In >3" To 4" Asphalt	156.65	
02 41 19 13-0193 EA Drill 12 Diameter Core In >3" To 4" Asphalt	195.45	
02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0195 EA Drill 1" Diameter Core In >4" To 6" Asphalt	42.60	
02 41 19 13-0196 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	52.65	
02 41 19 13-0197 EA Drill 2" Diameter Core In >4" To 6" Asphalt	65.17	
02 41 19 13-0198 EA Drill 3" Diameter Core In >4" To 6" Asphalt	82.76	
02 41 19 13-0199 EA Drill 4" Diameter Core In >4" To 6" Asphalt	102.86	
02 41 19 13-0200 EA Drill 6" Diameter Core In >4" To 6" Asphalt	127.95	
02 41 19 13-0201 EA Drill 8" Diameter Core In >4" To 6" Asphalt	160.66	
02 41 19 13-0202 EA Drill 10" Diameter Core In >4" To 6" Asphalt	200.72	
02 41 19 13-0203 EA Drill 12" Diameter Core In >4" To 6" Asphalt	250.83	
02 41 19 13-0204 Manhole Core Drilling (02 41 19 13-0024)		
02 41 19 13-0205 EA Drill 4" Diameter Core In 6" Brick Manhole	219.33	
02 41 19 13-0206 EA Drill 5" Diameter Core In 6" Brick Manhole	250.64	
02 41 19 13-0207 EA Drill 6" Diameter Core In 6" Brick Manhole	292.31	
02 41 19 13-0208 EA Drill 8" Diameter Core In 6" Brick Manhole	438.35	
02 41 19 13-0209 EA Drill 2" Diameter Core In 8" Concrete Manhole	293.84	
02 41 19 13-0210 EA Drill 3" Diameter Core In 8" Concrete Manhole	312.92	
02 41 19 13-0211 EA Drill 4" Diameter Core In 8" Concrete Manhole	344.52	
02 41 19 13-0212 EA Drill 5" Diameter Core In 8" Concrete Manhole	369.66	
02 41 19 13-0213 EA Drill 6" Diameter Core In 8" Concrete Manhole	438.41	
02 41 19 13-0214 EA Drill 8" Diameter Core In 8" Concrete Manhole	626.14	
02 41 19 13-0215 EA Drill 2" Diameter Core In Fiberglass Manhole	29.13	
02 41 19 13-0216 EA Drill 3" Diameter Core In Fiberglass Manhole	33.64	
02 41 19 13-0217 EA Drill 4" Diameter Core In Fiberglass Manhole	36.45	
02 41 19 13-0218 EA Drill 5" Diameter Core In Fiberglass Manhole	39.76	
02 41 19 13-0219 EA Drill 6" Diameter Core In Fiberglass Manhole	43.74	
02 41 19 13-0220 EA Drill 8" Diameter Core In Fiberglass Manhole	48.61	
02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0222 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.05	
02 41 19 13-0223 IN 5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.16	
02 41 19 13-0224 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.28	
02 41 19 13-0225 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.45	
02 41 19 13-0226 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.60	
02 41 19 13-0227 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.86	
02 41 19 13-0228 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.09	
02 41 19 13-0229 IN 1" Diameter Drilling In Concrete Per Inch Of Depth	3.25	
02 41 19 13-0230 IN 1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	3.84	
02 41 19 13-0231 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.60	
02 41 19 13-0232 IN 1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	3.84	
02 41 19 13-0233 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.07	
02 41 19 13-0234 IN 1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	4.51	
02 41 19 13-0235 IN 2" Diameter Drilling In Concrete Per Inch Of Depth	5.26	
02 41 19 13-0236 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0237 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.71	

02	Existing Conditions
02 40	Demolition and Structure Moving
02 41	Demolition



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

02 41 19 13-0238	IN		5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.80	
02 41 19 13-0239	IN		3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.90	
02 41 19 13-0240	IN		1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.04	
02 41 19 13-0241	IN		5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.17	
02 41 19 13-0242	IN		3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.39	
02 41 19 13-0243	IN		7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.58	
02 41 19 13-0244	IN		1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.71	
02 41 19 13-0245	IN		1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.86	
02 41 19 13-0246	IN		1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.00	
02 41 19 13-0247	IN		1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.20	
02 41 19 13-0248	IN		1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.39	
02 41 19 13-0249	IN		1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.78	
02 41 19 13-0250	IN		2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.38	

02 41 19 13-0251 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)

Note: Includes layout.

02 41 19 13-0252	IN		1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.84	
02 41 19 13-0253	IN		5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.89	
02 41 19 13-0254	IN		3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.95	
02 41 19 13-0255	IN		1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.02	
02 41 19 13-0256	IN		5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.08	
02 41 19 13-0257	IN		3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.19	
02 41 19 13-0258	IN		7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.29	
02 41 19 13-0259	IN		1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.36	
02 41 19 13-0260	IN		1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.42	
02 41 19 13-0261	IN		1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.49	
02 41 19 13-0262	IN		1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.59	
02 41 19 13-0263	IN		1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.69	
02 41 19 13-0264	IN		1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.88	
02 41 19 13-0265	IN		2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.19	

02 41 19 13-0266 Drilling In Drywall Or Plaster Per Inch Of Depth (02 41 19 13-0024)

Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.

02 41 19 13-0267	IN		1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.84	
02 41 19 13-0268	IN		5/16" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.89	
02 41 19 13-0269	IN		3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.95	
02 41 19 13-0270	IN		1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.02	
02 41 19 13-0271	IN		5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.08	
02 41 19 13-0272	IN		3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.19	
02 41 19 13-0273	IN		7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.29	
02 41 19 13-0274	IN		1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.36	
02 41 19 13-0275	IN		1-1/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.42	
02 41 19 13-0276	IN		1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.49	
02 41 19 13-0277	IN		1-3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.59	
02 41 19 13-0278	IN		1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.69	
02 41 19 13-0279	IN		1-3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.88	
02 41 19 13-0280	IN		2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	2.18	
02 41 19 13-0281	IN		Drill 3" Diameter Core In Wood Or Plastic Per Inch Of Depth	2.89	
02 41 19 13-0282	IN		Drill 4" Diameter Core In Wood Or Plastic Per Inch Of Depth	3.65	
02 41 19 13-0283	IN		Drill 5" Diameter Core In Wood Or Plastic Per Inch Of Depth	4.11	
02 41 19 13-0284	IN		Drill 6" Diameter Core In Wood Or Plastic Per Inch Of Depth	4.59	

02 41 19 13-0285 Limestone Core Drilling (02 41 19 13-0024)

02 41 19 13-0286 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0285)

02 41 19 13-0287	EA		Drill 1" Diameter Core In 10" To 14" Limestone	62.96	
02 41 19 13-0288	EA		Drill 1-1/2" Diameter Core In 10" To 14" Limestone	75.61	
02 41 19 13-0289	EA		Drill 2" Diameter Core In 10" To 14" Limestone	82.04	
02 41 19 13-0290	EA		Drill 3" Diameter Core In 10" To 14" Limestone	94.91	
02 41 19 13-0291	EA		Drill 4" Diameter Core In 10" To 14" Limestone	107.79	
02 41 19 13-0292	EA		Drill 6" Diameter Core In 10" To 14" Limestone	151.86	
02 41 19 13-0293	EA		Drill 8" Diameter Core In 10" To 14" Limestone	252.38	

02 41 19 13-0294 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0285)

02 41 19 13-0295	EA		Drill 1" Diameter Core In 15" To 18" Limestone	69.34	
02 41 19 13-0296	EA		Drill 1-1/2" Diameter Core In 15" To 18" Limestone	82.02	
02 41 19 13-0297	EA		Drill 2" Diameter Core In 15" To 18" Limestone	88.49	
02 41 19 13-0298	EA		Drill 3" Diameter Core In 15" To 18" Limestone	95.21	
02 41 19 13-0299	EA		Drill 4" Diameter Core In 15" To 18" Limestone	126.88	
02 41 19 13-0300	EA		Drill 6" Diameter Core In 15" To 18" Limestone	164.77	
02 41 19 13-0301	EA		Drill 8" Diameter Core In 15" To 18" Limestone	265.59	

02 41 19 13-0302 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0285)

02 41 19 13-0303	EA		Drill 1" Diameter Core In 19" To 24" Limestone	75.67	
02 41 19 13-0304	EA		Drill 1-1/2" Diameter Core In 19" To 24" Limestone	88.40	
02 41 19 13-0305	EA		Drill 2" Diameter Core In 19" To 24" Limestone	94.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0306 EA Drill 3" Diameter Core In 19" To 24" Limestone	107.92	
02 41 19 13-0307 EA Drill 4" Diameter Core In 19" To 24" Limestone	152.15	
02 41 19 13-0308 EA Drill 6" Diameter Core In 19" To 24" Limestone	190.14	
02 41 19 13-0309 EA Drill 8" Diameter Core In 19" To 24" Limestone	285.03	
02 41 19 13-0310 Minimum Charge For Core Drilling (02 41 19 13-0024)		
02 41 19 13-0311 EA Core Drill Minimum Charge	865.07	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".		
02 41 19 13-0312 Cutouts (02 41 19 13)		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0313 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0312)		
02 41 19 13-0314 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	48.67	
02 41 19 13-0315 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	51.62	
02 41 19 13-0316 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	54.56	
02 41 19 13-0317 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	57.51	
02 41 19 13-0318 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.99	
02 41 19 13-0319 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0312)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0320 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	59.31	
02 41 19 13-0321 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	62.91	
02 41 19 13-0322 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	66.51	
02 41 19 13-0323 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	70.10	
02 41 19 13-0324 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.90	
02 41 19 13-0325 Reinforced Concrete Wall Cutouts (02 41 19 13-0312)		
02 41 19 13-0326 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	60.84	
02 41 19 13-0327 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	64.52	
02 41 19 13-0328 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	68.21	
02 41 19 13-0329 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	71.90	
02 41 19 13-0330 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.74	
02 41 19 13-0331 Brick Wall Cutouts (02 41 19 13-0312)		
Note: Excludes tothing.		
02 41 19 13-0332 SF 4" Thick Brick Wall Cutouts, <24 SF	18.43	
02 41 19 13-0333 SF 6" Thick Brick Wall Cutouts, <24 SF	30.42	
02 41 19 13-0334 SF 8" Thick Brick Wall Cutouts, <24 SF	42.36	
02 41 19 13-0335 SF 10" Thick Brick Wall Cutouts, <24 SF	51.62	
02 41 19 13-0336 SF 12" Thick Brick Wall Cutouts, <24 SF	61.76	
02 41 19 13-0337 SF 16" Thick Brick Wall Cutouts, <24 SF	72.82	
02 41 19 13-0338 Concrete Block Wall Cutouts (02 41 19 13-0312)		
Note: Excludes tothing.		
02 41 19 13-0339 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	30.50	
02 41 19 13-0340 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	32.29	
02 41 19 13-0341 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	34.10	
02 41 19 13-0342 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	35.95	
02 41 19 13-0343 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	36.87	
02 41 19 13-0344 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	38.71	
02 41 19 13-0345 Limestone Cutouts (02 41 19 13-0312)		
02 41 19 13-0346 SF 2" Thick Limestone Cutouts, <24 SF	51.62	
02 41 19 13-0347 SF 4" Thick Limestone Cutouts, <24 SF	62.68	
02 41 19 13-0348 SF 6" Thick Limestone Cutouts, <24 SF	66.36	
02 41 19 13-0349 SF 8" Thick Limestone Cutouts, <24 SF	70.05	
02 41 19 13-0350 SF 10" Thick Limestone Cutouts, <24 SF	73.74	
02 41 19 13-0351 SF 12" Thick Limestone Cutouts, <24 SF	77.43	
02 41 19 13-0352 Tothing Masonry Cutouts (02 41 19 13-0312)		
Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0353 VLF Brick, Soft Old Mortar, Tothing Masonry Cutouts	18.43	
02 41 19 13-0354 VLF Brick, Hard Mortar, Tothing Masonry Cutouts	24.89	
02 41 19 13-0355 VLF Concrete Block, Soft Old Mortar, Tothing Masonry Cutouts	11.06	
02 41 19 13-0356 VLF Concrete Block, Hard Mortar, Tothing Masonry Cutouts	14.75	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0357		Minimum Charge For Cutouts (02 41 19 13-0312)	
		Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0358	EA	Cutouts Minimum Charge	368.70
02 41 19 13-0359		Exterior Masonry Removal (02 41 19 13)	
02 41 19 13-0360		Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0359)	
02 41 19 13-0361	VLF	8" x 8" Masonry Column Removal	14.19
02 41 19 13-0362	VLF	10" x 10" Masonry Column Removal	22.18
02 41 19 13-0363	VLF	12" x 12" Masonry Column Removal	28.41
02 41 19 13-0364	VLF	14" x 14" Masonry Column Removal	35.57
02 41 19 13-0365	VLF	16" x 16" Masonry Column Removal	43.69
02 41 19 13-0366	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	24.54
02 41 19 13-0367		Masonry Chimney Removal (02 41 19 13-0359)	
02 41 19 13-0368	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	28.78
02 41 19 13-0369	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	21.60
02 41 19 13-0370	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	16.54
02 41 19 13-0371	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	11.46
02 41 19 13-0372		Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0359)	
		Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0373	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	20.64
02 41 19 13-0374	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	30.61
02 41 19 13-0375	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	58.01
02 41 19 13-0376		Facade Removal (02 41 19 13-0359)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0377	SF	Stone Or Brick Veneer Facade Removal	5.40
		<i>For Cleaning and Storage For Reuse, Add</i>	8.10
02 41 19 13-0378		Exterior Masonry Removal (02 41 19 13-0359)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0379	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	4.75
02 41 19 13-0380	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	5.36
02 41 19 13-0381	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	6.48
02 41 19 13-0382	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	7.09
02 41 19 13-0383	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	7.78
02 41 19 13-0384	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	9.73
02 41 19 13-0385	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	5.61
02 41 19 13-0386	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	6.43
02 41 19 13-0387	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	7.78
02 41 19 13-0388	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	8.50
02 41 19 13-0389	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	9.34
02 41 19 13-0390	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	11.68
02 41 19 13-0391	SF	Demolish 4" Thick Brick Exterior Wall	4.75
		<i>For Cleaning and Storage For Reuse, Add</i>	7.13
02 41 19 13-0392	SF	Demolish 6" Thick Brick Exterior Wall	5.36
		<i>For Cleaning and Storage For Reuse, Add</i>	8.04
02 41 19 13-0393	SF	Demolish 8" Thick Brick Exterior Wall	6.48
		<i>For Cleaning and Storage For Reuse, Add</i>	9.72
02 41 19 13-0394	SF	Demolish 10" Thick Brick Exterior Wall	7.09
		<i>For Cleaning and Storage For Reuse, Add</i>	10.64
02 41 19 13-0395	SF	Demolish 12" Thick Brick Exterior Wall	7.78
		<i>For Cleaning and Storage For Reuse, Add</i>	11.67
02 41 19 13-0396	SF	Demolish 16" Thick Brick Exterior Wall	9.73
		<i>For Cleaning and Storage For Reuse, Add</i>	14.60
02 41 19 13-0397	CF	Exterior Brick, Concrete Block Or Composite Removal	13.83
		<i>For Cleaning and Storage For Reuse, Add</i>	20.75
02 41 19 13-0398		Lintel Removal (02 41 19 13-0359)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0399	LF	Demolish Steel Lintel	13.71
02 41 19 13-0400	LF	Demolish Concrete Or Stone Lintel	18.28
02 41 19 13-0401	LF	Demolish Steel Shelf Angle	14.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0402				Reinstall Lintel (02 41 19 13-0359) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41 19 13-0403	LF		Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	8.58	
	02 41 19 13-0404	LF		Reinstall Existing Concrete Or Stone Lintel.....	18.28	
	02 41 19 13-0405	LF		Reinstall Existing Steel Shelf Angle..... Note: Includes fasteners.	51.99	
	02 41 19 13-0406	LF		Reinstall Existing Steel Lintel.....	20.31	
	02 41 19 13-0407	LF		Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	87.56	
	02 41 19 13-0408	LF		Removal And Replacement Of Steel Lintel Over Window Openings.....	167.53	
02 41 19 13-0409				Exterior Concrete Wall Removal (02 41 19 13)		
	02 41 19 13-0410	SF		Demolish 4" Thick Reinforced Concrete Exterior Wall.....	6.50	
	02 41 19 13-0411	SF		Demolish 6" Thick Reinforced Concrete Exterior Wall.....	11.79	
	02 41 19 13-0412	SF		Demolish 8" Thick Reinforced Concrete Exterior Wall.....	14.81	
	02 41 19 13-0413	SF		Demolish 10" Thick Reinforced Concrete Exterior Wall.....	17.47	
	02 41 19 13-0414	SF		Demolish 12" Thick Reinforced Concrete Exterior Wall.....	20.66	
02 41 19 13-0415				Elevated Concrete Removal (02 41 19 13)		
	02 41 19 13-0416	CF		Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	12.35	
02 41 19 16				Selective Interior Demolition (02 41 19) Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001				Floor Removal (02 41 19 16)		
02 41 19 16-0002				Scarify Concrete (02 41 19 16-0001) Note: Up to 1/4" removal per pass.		
	02 41 19 16-0003	SF		Scarify Concrete Floor.....	0.31	
	02 41 19 16-0004	SF		Scarify Concrete Tread And Riser.....	2.58	
	02 41 19 16-0005	SF		Scarify Concrete Wall.....	2.34	
02 41 19 16-0006				Fireproofing Removal (02 41 19 16)		
	02 41 19 16-0007	SF		Removal Of Fireproofing From Concrete Or Steel.....	1.20	
02 41 19 16-0008				Demolish Ceiling (02 41 19 16)		
	02 41 19 16-0009	SF		Demolish Drywall Ceiling.....	0.92	
	02 41 19 16-0010	SF		Demolish Furred Plastered Ceiling.....	2.16	
	02 41 19 16-0011	SF		Demolish Suspended Plastered Ceiling And Suspension System.....	1.66	
02 41 19 16-0012				Demolish Concrete Stair (02 41 19 16)		
	02 41 19 16-0013	CF		Demolish Interior Reinforced Concrete Stairs.....	7.78	
	02 41 19 16-0014	CF		Demolish Exterior Reinforced Concrete Stairs.....	6.78	
02 41 19 16-0015				Demolish Interior Partition/Wall (02 41 19 16) Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016				Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0015) Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017				Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0016)		
	02 41 19 16-0018	SF		Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	5.04	
	02 41 19 16-0019	SF		Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	5.38	
	02 41 19 16-0020	SF		Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	6.07	
	02 41 19 16-0021	SF		Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	7.78	
	02 41 19 16-0022	SF		Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	9.74	
	02 41 19 16-0023	SF		Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	6.05	
	02 41 19 16-0024	SF		Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	6.46	
	02 41 19 16-0025	SF		Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	7.28	
	02 41 19 16-0026	SF		Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	9.35	
	02 41 19 16-0027	SF		Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	11.68	
02 41 19 16-0028				Demolish Brick Interior Partition/Walls (02 41 19 16-0016)		
	02 41 19 16-0029	SF		Demolish 4" Thick Brick Interior Partition/Wall.....	5.04	
	02 41 19 16-0030	SF		Demolish 8" Thick Brick Interior Partition/Wall.....	6.07	
	02 41 19 16-0031	SF		Demolish 12" Thick Brick Interior Partition/Wall.....	7.77	
	02 41 19 16-0032	SF		Demolish 16" Thick Brick Interior Partition/Wall.....	9.73	
02 41 19 16-0033				Demolish Glass Block Interior Partition/Walls (02 41 19 16-0016)		
	02 41 19 16-0034	SF		Demolish Glass Block Interior Partition/Walls.....	4.32	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 16-0035	Demolish Concrete Interior Partition/Walls (02 41 19 16-0016) See CSI section 02 41 16 13-0021 for concrete foundation demolition.	
02 41 19 16-0036	SF Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall	9.16
02 41 19 16-0037	SF Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall	11.46
02 41 19 16-0038	SF Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall	16.03
02 41 19 16-0039	SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	10.99
02 41 19 16-0040	SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	13.83
02 41 19 16-0041	SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	19.24
02 41 19 16-0042	Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0016)	
02 41 19 16-0043	SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.73
02 41 19 16-0044	Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0015) Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.	
02 41 19 16-0045	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	3.05
	For Heights >14' To 20', Add	0.46
	For Heights >20', Add	0.61
02 41 19 16-0046	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	3.57
	For Heights >14' To 20', Add	0.54
	For Heights >20', Add	0.71
02 41 19 16-0047	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	3.90
	For Heights >14' To 20', Add	0.59
	For Heights >20', Add	0.78
02 41 19 16-0048	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	5.42
	For Heights >14' To 20', Add	0.81
	For Heights >20', Add	1.08
02 41 19 16-0049	SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.61
	For Heights >14' To 20', Add	0.24
	For Heights >20', Add	0.32
02 41 19 16-0050	SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	1.92
	For Heights >14' To 20', Add	0.29
	For Heights >20', Add	0.38

02 42 Removal and Salvage of Construction Materials (02 40)**02 42 21 Salvage of Construction Materials** (02 42)

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage (02 42 21)**02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use** (02 42 21 35)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ Removal Of Clay Roof Tile, Salvage For Re-use.....	280.96
------------------	---	--------

02 42 21 47 Flooring Salvage (02 42 21)**02 42 21 47-0001 Flooring Remove And Salvage For Re-Use** (02 42 21 47)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF Removal Of Brick Flooring And Salvage.....	2.56
02 42 21 47-0003	SF Removal Of Ceramic/Quarry Tile Floor And Salvage	2.56
02 42 21 47-0004	SF Removal Of Terrazzo Flooring And Salvage.....	3.53
02 42 21 47-0005	SF Removal Of Wood Strip Flooring And Salvage.....	2.07
02 42 21 47-0006	SF Removal Of Wood Parquet Flooring And Salvage.....	1.09
02 42 21 47-0007	SF Removal Of Resilient/Linoleum Flooring And Salvage	0.78

02 43 Structure Moving (02 40)**02 43 13 Structure Relocation** (02 43)

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation (02 43 13)**02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete** (02 43 13)

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF Up To 800 SF, Move Relocatable Metal Frame Building	35.90
02 43 13 13-0003	SF >800 To 920 SF, Move Relocatable Metal Frame Building.....	33.94
02 43 13 13-0004	SF >920 SF, Move Relocatable Metal Frame Building.....	31.76
02 43 13 13-0005	SF Up To 800 SF, Move Relocatable Wood Frame Building.....	28.81
02 43 13 13-0006	SF >800 To 920 SF, Move Relocatable Wood Frame Building.....	26.93
02 43 13 13-0007	SF >920 SF, Move Relocatable Wood Frame Building	23.82
02 43 13 13-0008	SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	34.89
02 43 13 13-0009	SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	31.76
02 43 13 13-0010	SF >920 SF, Move Relocatable Wood/Metal Frame Building	26.93



Existing Conditions	02	02
Demolition and Structure Moving	02 40	
Structure Moving	02 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

02 50 Site Remediation (02)

02 58 Snow Control (02 50)

02 58 13 Snow Fencing (02 58)

02 58 13 00-001	Snow/Sand Fence On Steel Posts (02 58 13)		
02 58 13 00-002	LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence.....	7.51	2.03

02 60 Contaminated Site Material Removal (02)

02 61 Removal and Disposal of Contaminated Soils (02 60)

02 61 13 Excavation and Handling of Contaminated Material (02 61)

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-001	Excavate Petroleum Contaminated Soil (02 61 13)		
02 61 13 00-002	CY Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	13.70	
02 61 13 00-003	CY Load Excavated Petroleum Contaminated Soil.....	8.15	
02 61 13 00-004	CY Disposal Fees Of Petroleum Contaminated Soil.....	189.94	
02 61 13 00-005	Accessories For Contaminated Soil Stockpile (02 61 13) See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-006	SF 30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.48	
02 61 13 00-007	SF 10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.88	

02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-001	Removal and Disposal of Asbestos Contaminated Soils (02 61 26) Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,118.47	335.54
02 61 26 00-003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	74.14	22.24
02 61 26 00-004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	49.43	14.83
02 61 26 00-005	CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	37.13	11.14
02 61 26 00-006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	29.66	8.90
02 61 26 00-007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	25.21	7.56
02 61 26 00-008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	22.68	6.80

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001	Monitoring, Sampling, Testing And Analysis (02 65)		
02 65 00 00-0002	Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0003	EA Collection Of Sludge Sample For Underground Storage Tank	27.19	
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank.....	27.19	
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample.....	27.19	
02 65 00 00-0006	Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001) Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0007 EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	201.28	
02 65 00 00-0008 EA Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	78.27	
02 65 00 00-0009 EA TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	188.30	
02 65 00 00-0010 EA TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	201.28	
02 65 00 00-0011 EA TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	156.55	
02 65 00 00-0012 EA VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	424.92	
02 65 00 00-0013 EA Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	782.74	
02 65 00 00-0014 EA Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	94.15	
02 65 00 00-0015 EA TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	167.73	
02 65 00 00-0016 EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	223.64	
02 65 00 00-0017 EA Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	250.48	
02 65 00 00-0018 EA Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	33.55	
02 65 00 00-0019 EA Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	33.55	
02 65 00 00-0020 EA Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	33.55	
02 65 00 00-0021 EA Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	62.62	
02 65 00 00-0022 EA PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	357.82	
02 65 00 00-0023 EA Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	129.45	
02 65 00 00-0024 EA pH, Lab Test	26.84	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	335.46	
02 65 00 00-0026 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test	201.28	
02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser. Calibrate pump dispenser if needed. Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings. complete written report on all data found.	1,218.22	
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	208.31	
02 65 00 00-0030 EA Check And Report On Monitor Probes..... Note: By Certified Technician	48.34	
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report..... Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	341.80	
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System.....	183.05	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	263.99	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank	382.35	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank.....	226.01	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank	145.05	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	133.60	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	142.57	
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.63	
02 65 00 00-0043 Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank	3.29	
02 65 00 00-0045 GAL Removal and Disposal Of Non-Hazardous Liquid From Tank	1.53	
02 65 00 00-0046 Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank	7.81	
02 65 00 00-0048 GAL Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	2.17	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....	4.64	
Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.		
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		
Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	364.54	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	491.74	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	658.45	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	937.13	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,896.59	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,279.70	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,694.65	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,280.50	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,379.58	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,263.10	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,754.79	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	8,209.39	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	9,850.31	
02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	240.72	
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior	320.55	
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	420.03	
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	581.66	
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,288.09	
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,631.00	
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	1,908.56	
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,399.33	
02 65 00 00-0075 EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,118.53	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	3,914.39	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,096.86	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,116.22	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	7,645.28	
02 65 00 00-0080 Tank And Piping Removal (02 65)		
Note: Excludes excavation.		
02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)		
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082 LF Up To 4", Removal And Disposal Of Piping.....	20.73	
02 65 00 00-0083 LF >4" To 8", Removal And Disposal Of Piping	27.64	
02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)		
Note: Excludes excavation or backfill.		
02 65 00 00-0085 EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	659.34	
02 65 00 00-0086 EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	800.62	
02 65 00 00-0087 EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	941.92	
02 65 00 00-0088 EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,177.39	
02 65 00 00-0089 EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,648.34	
02 65 00 00-0090 EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,072.21	
02 65 00 00-0091 EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,354.79	
02 65 00 00-0092 EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,825.75	
02 65 00 00-0093 EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,767.65	
02 65 00 00-0094 EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,516.59	
02 65 00 00-0095 EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,292.51	
02 65 00 00-0096 EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	6,191.78	
02 65 00 00-0097 EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	7,739.72	
02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)		
Note: Includes 1 lengthwise at every 4' on-center height wise.		

02	Existing Conditions
02 60	Contaminated Site Material Removal
02 65	Underground Storage Tank Removal



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0099 EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	845.36	
02 65 00 00-0100 EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,576.48	
02 65 00 00-0101 EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,896.35	
02 65 00 00-0102 EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,113.41	
02 65 00 00-0103 EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,536.08	
02 65 00 00-0104 EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,152.97	
02 65 00 00-0105 EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,792.70	
02 65 00 00-0106 EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,740.88	
02 65 00 00-0107 EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,926.10	
02 65 00 00-0108 EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,407.62	
02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station <small>(02 65 00 00-0080)</small>		
Note: Includes disposal fee.		
02 65 00 00-0110 EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	486.51	
For Each Additional Mile >15 Miles, Add	4.51	
02 65 00 00-0111 EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	686.98	
For Each Additional Mile >15 Miles, Add	5.70	
02 65 00 00-0112 EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,106.96	
For Each Additional Mile >15 Miles, Add	8.55	
02 65 00 00-0113 EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,928.85	
For Each Additional Mile >15 Miles, Add	9.98	
02 65 00 00-0114 EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,405.74	
For Each Additional Mile >15 Miles, Add	17.58	
02 65 00 00-0115 EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,462.76	
For Each Additional Mile >15 Miles, Add	19.01	
02 65 00 00-0116 EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,557.78	
For Each Additional Mile >15 Miles, Add	21.38	
02 65 00 00-0117 EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,321.62	
For Each Additional Mile >15 Miles, Add	28.51	
02 65 00 00-0118 EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	7,064.58	
For Each Additional Mile >15 Miles, Add	42.76	
02 65 00 00-0119 EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	8,427.43	
For Each Additional Mile >15 Miles, Add	47.51	
02 65 00 00-0120 EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	10,541.24	
For Each Additional Mile >15 Miles, Add	57.02	
02 65 00 00-0121 EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	15,484.64	
For Each Additional Mile >15 Miles, Add	68.42	
02 65 00 00-0122 EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	18,954.62	
For Each Additional Mile >15 Miles, Add	78.68	
02 65 00 00-0123 Other Storage Tank Removals <small>(02 65 00 00-0080)</small>		
02 65 00 00-0124 GAL Removal Of Cement Lining	0.57	
02 65 00 00-0125 GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.20	
02 65 00 00-0126 GAL Install Epoxy For Interior Corrosion Protection	1.20	
02 65 00 00-0127 Tank Closure Report <small>(02 65 00 00-0080)</small>		
Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128 EA Prepare Tank Closure Report	3,567.72	
02 65 00 00-0129 Temporary Tanks <small>(02 65)</small>		
02 65 00 00-0130 Temporary Holding Tanks <small>(02 65 00 00-0129)</small>		
02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental <small>(02 65 00 00-0130)</small>		
02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	930.62	
02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	930.62	
02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,861.24	
02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,395.93	
02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,257.17	
02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,326.55	
02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,549.86	
02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,651.02	
02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	11,231.86	
02 65 00 00-0141 Secondary Containment Berm <small>(02 65 00 00-0129)</small>		
02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental	2,016.34	

02 80 Facility Remediation (02)**02 81 Transportation and Disposal of Hazardous Materials** (02 80)

02 81 00 00-0001 Equipment Oil Drain And Disposal <small>(02 81)</small>		
02 81 00 00-0002 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site	653.45	
Note: Excludes Disposal Cost.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 81 00 00-0003 DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	102.68	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0004 DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	466.75	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0005 DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum.....	840.15	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0006 CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site.....	112.07	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		

02 82 Asbestos Remediation (02 80)

See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002 HR Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring.....	89.94	
02 82 13 00-0003 EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing.....	60.79	
02 82 13 00-0004 EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing.....	71.27	
02 82 13 00-0005 EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing.....	113.20	
02 82 13 00-0006 EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....	194.96	
02 82 13 00-0007 EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing.....	236.88	
02 82 13 00-0008 EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	48.21	
02 82 13 00-0009 EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	58.70	
02 82 13 00-0010 EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	79.66	
02 82 13 00-0011 EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test.....	60.79	
02 82 13 00-0012 EA Next Day Turnaround, (Air Point Counting) PLM Test.....	71.27	
02 82 13 00-0013 EA Same Day Turnaround, (Air Point Counting) PLM Test.....	113.20	
02 82 13 00-0014 EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing.....	194.96	
02 82 13 00-0015 EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	224.30	
02 82 13 00-0016 EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	312.35	

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)

02 82 16 00-0002 SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.61	
02 82 16 00-0003 SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	2.21	
02 82 16 00-0004 SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	2.42	
02 82 16 00-0005 SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	2.60	
02 82 16 00-0006 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	8.16	
02 82 16 00-0007 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	9.27	

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004 SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,162.38	
For Work In Restricted Working Space, Add	335.54	
02 82 33 00-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	40.33	
For Work In Restricted Working Space, Add	11.44	
02 82 33 00-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	30.79	
For Work In Restricted Working Space, Add	8.58	
02 82 33 00-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	23.65	
For Work In Restricted Working Space, Add	6.44	
02 82 33 00-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	18.29	
For Work In Restricted Working Space, Add	4.83	
02 82 33 00-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.19	
For Work In Restricted Working Space, Add	4.20	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0002) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0011	SET Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,206.29	335.54
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	48.24	13.16
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	37.27	9.86
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	29.06	7.40
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	22.89	5.55
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	20.48	4.83
02 82 33 00-0017	>12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0002) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0018	SET Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,250.20	335.54
02 82 33 00-0019	LF >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	64.31	17.54
02 82 33 00-0020	LF >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	49.69	13.15
02 82 33 00-0021	LF >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	38.73	9.86
02 82 33 00-0022	LF >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	30.51	7.40
02 82 33 00-0023	LF >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	27.29	6.43
02 82 33 00-0024	>18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0002) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0025	SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,294.11	335.54
02 82 33 00-0026	LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	88.45	24.12
02 82 33 00-0027	LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	68.33	18.08
02 82 33 00-0028	LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	53.27	13.57
02 82 33 00-0029	LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	41.94	10.17
02 82 33 00-0030	LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	37.54	8.85
02 82 33 00-0031	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0032	SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	732.68	215.85
02 82 33 00-0033	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	124.31	35.98
02 82 33 00-0034	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	50.94	13.97
02 82 33 00-0035	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	39.30	10.47
02 82 33 00-0036	LF >500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	30.57	7.85
02 82 33 00-0037	Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0001) Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.		
02 82 33 00-0038	Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0037) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0039	SET Up To 20 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,162.38	335.54
02 82 33 00-0040	LF >20 To 250 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	40.33	11.44
02 82 33 00-0041	LF >250 To 500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	30.79	8.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0042	LF		>500 To 2,500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	23.65 6.44	
02 82 33 00-0043	LF		>2,500 To 10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	18.29 4.83	
02 82 33 00-0044	LF		>10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	16.19 4.20	
02 82 33 00-0045 >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0037)</small>					
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.					
02 82 33 00-0046	SET		Up To 20 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,206.29 335.54	
02 82 33 00-0047	LF		>20 To 250 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	48.24 13.16	
02 82 33 00-0048	LF		>250 To 500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	37.27 9.86	
02 82 33 00-0049	LF		>500 To 2,500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	29.06 7.40	
02 82 33 00-0050	LF		>2,500 To 10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	22.89 5.55	
02 82 33 00-0051	LF		>10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	20.48 4.83	
02 82 33 00-0052	Thermal Insulation, Asbestos Abatement And Disposal <small>(02 82 33)</small>				
02 82 33 00-0053	Calcium Block Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0052)</small>				
02 82 33 00-0054	SET		Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,140.42	
02 82 33 00-0055	SF		>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	47.77	
02 82 33 00-0056	SF		>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	39.67	
02 82 33 00-0057	SF		>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	32.16	
02 82 33 00-0058	SF		>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	26.52	
02 82 33 00-0059	Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0052)</small>				
02 82 33 00-0060	SET		Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,129.45	
02 82 33 00-0061	SF		>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	41.47	
02 82 33 00-0062	SF		>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	33.37	
02 82 33 00-0063	SF		>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	25.85	
02 82 33 00-0064	SF		>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	20.22	
02 82 33 00-0065	Fibrous Glass Board Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0052)</small>				
02 82 33 00-0066	SET		Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,125.79	
02 82 33 00-0067	SF		>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	36.62	
02 82 33 00-0068	SF		>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	28.53	
02 82 33 00-0069	SF		>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	21.01	
02 82 33 00-0070	SF		>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	15.38	
02 82 33 00-0071	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal <small>(02 82 33 00-0052)</small>				
Note: e.g., duct, boiler, tank, etc.					
02 82 33 00-0072	SET		Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,145.91	
02 82 33 00-0073	SF		>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	39.23	
02 82 33 00-0074	SF		>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	31.13	
02 82 33 00-0075	SF		>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	23.62	
02 82 33 00-0076	SF		>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	17.99	
02 82 33 00-0077	Surfacing Material, Asbestos Abatement And Disposal <small>(02 82 33)</small>				
02 82 33 00-0078	Fireproofing For Small Areas, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>				
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0080 for areas > 1 SF see CSI section.					
02 82 33 00-0079	EA		Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	187.51	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.					
02 82 33 00-0080	Fireproofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>				
Note: Exposed surface area, includes associated overspray.					
02 82 33 00-0081	SET		Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,145.91	
02 82 33 00-0082	SF		>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	46.84	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0083 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	35.40	
02 82 33 00-0084 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	26.82	
02 82 33 00-0085 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal	20.39	
02 82 33 00-0086 Acoustical Plaster, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0087 SET Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,136.77	
02 82 33 00-0088 SF >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	19.84	
02 82 33 00-0089 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	15.18	
02 82 33 00-0090 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	11.45	
02 82 33 00-0091 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	8.65	
02 82 33 00-0092 Gypsum Wall Board, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
02 82 33 00-0093 SET Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,155.07	
For Additional Layer, Add	307.58	
02 82 33 00-0094 SF >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	15.41	
For Additional Layer, Add	4.04	
02 82 33 00-0095 SF >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	11.45	
For Additional Layer, Add	2.95	
02 82 33 00-0096 SF >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.12	
For Additional Layer, Add	2.31	
02 82 33 00-0097 SF >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.26	
For Additional Layer, Add	1.80	
02 82 33 00-0098 SF >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.86	
For Additional Layer, Add	1.41	
02 82 33 00-0099 SF >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.83	
For Additional Layer, Add	1.13	
02 82 33 00-0100 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
02 82 33 00-0101 SET Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,136.77	
02 82 33 00-0102 SF >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	28.60	
02 82 33 00-0103 SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	21.14	
02 82 33 00-0104 SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	16.67	
02 82 33 00-0105 SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.13	
02 82 33 00-0106 SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	9.58	
02 82 33 00-0107 Stucco, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
02 82 33 00-0108 SET Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,155.07	
02 82 33 00-0109 SF >50 To 500 SF, Stucco, Asbestos Abatement And Disposal	25.04	
02 82 33 00-0110 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	18.95	
02 82 33 00-0111 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	14.41	
02 82 33 00-0112 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal	10.98	
02 82 33 00-0113 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
02 82 33 00-0114 SET Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,155.07	
02 82 33 00-0115 SF >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	13.16	
02 82 33 00-0116 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	10.78	
02 82 33 00-0117 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	7.72	
02 82 33 00-0118 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	5.97	
02 82 33 00-0119 Plywood, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
02 82 33 00-0120 SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,147.75	
02 82 33 00-0121 SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal	16.58	
02 82 33 00-0122 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	8.35	
02 82 33 00-0123 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	5.88	
02 82 33 00-0124 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal	5.11	
02 82 33 00-0125 Flooring Material, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0126 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal <small>(02 82 33 00-0125)</small>		
02 82 33 00-0127 Floor Tile, Asbestos Abatement And Disposal <small>(02 82 33 00-0126)</small>		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0128 SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,125.79	
For Each Additional Layer, Add	168.87	
02 82 33 00-0129 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	8.35	
For Each Additional Layer, Add	1.25	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0130	SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	6.92	1.04	
02 82 33 00-0131	SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	5.62	0.84	
02 82 33 00-0132	SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	4.04	0.61	
02 82 33 00-0133	Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0126) Note: Single layer or first of multiple layers. Excludes mastic.			
02 82 33 00-0134	SET Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	1,125.79	168.87	
02 82 33 00-0135	SF >100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	8.35	1.25	
02 82 33 00-0136	SF >500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	6.96	1.04	
02 82 33 00-0137	SF >2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	6.35	0.95	
02 82 33 00-0138	SF >10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	5.23	0.78	
02 82 33 00-0139	Carpet, Asbestos Abatement And Disposal (02 82 33 00-0126)			
02 82 33 00-0140	SET Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	1,125.79		
02 82 33 00-0141	SF >100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	6.63		
02 82 33 00-0142	SF >500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	5.46		
02 82 33 00-0143	SF >2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	4.12		
02 82 33 00-0144	SF >10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	3.25		
02 82 33 00-0145	Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0126) Note: Up to 12".			
02 82 33 00-0146	SET Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	381.97		
02 82 33 00-0147	LF >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	5.34		
02 82 33 00-0148	LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.35		
02 82 33 00-0149	LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.23		
02 82 33 00-0150	LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.68		
02 82 33 00-0151	Mastic, Asbestos Abatement And Disposal (02 82 33 00-0125) Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.			
02 82 33 00-0152	SET Up To 100 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1,136.78		
02 82 33 00-0153	SF >100 To 500 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	2.97		
02 82 33 00-0154	SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	2.22		
02 82 33 00-0155	SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1.75		
02 82 33 00-0156	SF >10,000 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1.44		
02 82 33 00-0157	Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0125) Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.			
02 82 33 00-0158	SET Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	1,191.67		
02 82 33 00-0159	SF >100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	9.54		
02 82 33 00-0160	SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	7.16		
02 82 33 00-0161	SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.76		
02 82 33 00-0162	SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.64		
02 82 33 00-0163	Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal (02 82 33 00-0125)			
02 82 33 00-0164	SET Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	1,155.05		
02 82 33 00-0165	SF >100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	10.34		
02 82 33 00-0166	SF >500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	6.90		
02 82 33 00-0167	SF >2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	5.50		
02 82 33 00-0168	SF >10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	4.56		
02 82 33 00-0169	Roofing, Asbestos Abatement And Disposal (02 82 33)			

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0170		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0169) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.	
02 82 33 00-0171		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0170)	
02 82 33 00-0172	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,209.97
02 82 33 00-0173	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.88
02 82 33 00-0174	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.45
02 82 33 00-0175	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.31
02 82 33 00-0176	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.16
02 82 33 00-0177	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.30
02 82 33 00-0178		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0170)	
02 82 33 00-0179	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,279.47
02 82 33 00-0180	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.61
02 82 33 00-0181	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.94
02 82 33 00-0182	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.69
02 82 33 00-0183	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.37
02 82 33 00-0184	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.38
02 82 33 00-0185		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0170)	
02 82 33 00-0186	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,359.97
02 82 33 00-0187	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	11.24
02 82 33 00-0188	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.40
02 82 33 00-0189	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.01
02 82 33 00-0190	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.55
02 82 33 00-0191	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.46
02 82 33 00-0192		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0169)	
02 82 33 00-0193		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0192)	
02 82 33 00-0194	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	1,141.34
02 82 33 00-0195	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	7.33
		<i>For Each Additional Layer, Add</i>	1.47
02 82 33 00-0196	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	5.90
		<i>For Each Additional Layer, Add</i>	1.18
02 82 33 00-0197	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.76
		<i>For Each Additional Layer, Add</i>	0.95
02 82 33 00-0198	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.61
		<i>For Each Additional Layer, Add</i>	0.72
02 82 33 00-0199	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.75
		<i>For Each Additional Layer, Add</i>	0.55
02 82 33 00-0200		Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0169)	
02 82 33 00-0201	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	374.65
02 82 33 00-0202	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	2.98
02 82 33 00-0203	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	2.47
02 82 33 00-0204	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	2.03
02 82 33 00-0205	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.52
02 82 33 00-0206		Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0169)	
02 82 33 00-0207	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	374.65
02 82 33 00-0208	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	8.57
02 82 33 00-0209	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	6.89
02 82 33 00-0210	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	5.77
02 82 33 00-0211	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.20
02 82 33 00-0212		Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)	



Existing Conditions	02	02
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0213 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0212)		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0214 SET Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,155.05	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0215 SF >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	7.99	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0216 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.19	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0217 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.41	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0218 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.02	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0219 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0212)		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0220 SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,155.05	
02 82 33 00-0221 SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	6.99	
02 82 33 00-0222 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.76	
02 82 33 00-0223 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.08	
02 82 33 00-0224 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.73	
02 82 33 00-0225 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0212)		
02 82 33 00-0226 SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	975.96	
02 82 33 00-0227 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	42.52	
02 82 33 00-0228 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	32.98	
02 82 33 00-0229 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.84	
02 82 33 00-0230 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	20.48	
02 82 33 00-0231 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	16.45	
02 82 33 00-0232 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	16.18	
02 82 33 00-0233 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0212)		
02 82 33 00-0234 SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,180.49	
Note: Single or first of multiple layers.		
02 82 33 00-0235 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	6.33	
Note: Single or first of multiple layers.		
02 82 33 00-0236 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	5.13	
Note: Single or first of multiple layers.		
02 82 33 00-0237 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.19	
Note: Single or first of multiple layers.		
02 82 33 00-0238 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.23	
Note: Single or first of multiple layers.		
02 82 33 00-0239 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.52	
Note: Single or first of multiple layers.		
02 82 33 00-0240 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0240)		
02 82 33 00-0241 Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal (02 82 33 00-0240)		
Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0242 SET Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	562.89	
02 82 33 00-0243 SF >10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	1.28	
02 82 33 00-0244 SF >100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.93	
02 82 33 00-0245 SF >500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.80	
02 82 33 00-0246 SF >1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.73	
02 82 33 00-0247 Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal (02 82 33 00-0240)		
02 82 33 00-0248 SET Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	760.28	
02 82 33 00-0249 SF >10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	20.11	
For Batt Insulation Removal, Add		2.00
For Encapsulated Soil, Add		1.00
For Work In Restricted Working Space, Add		1.00
02 82 33 00-0250 SF >100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.04	
For Batt Insulation Removal, Add		2.00
For Encapsulated Soil, Add		1.00
For Work In Restricted Working Space, Add		1.00

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0251 SF >250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	10.78	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0252 SF >500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	8.91	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0253 SF >2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	7.99	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0254 SF >10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	7.05	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0255 SET Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	957.66	
02 82 33 00-0256 SF >10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	39.60	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0257 SF >100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	27.27	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0258 SF >250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	21.12	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0259 SF >500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	17.39	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0260 SF >2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	15.16	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0261 SF >10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	13.90	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0262 SET Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	1,162.38	
02 82 33 00-0263 SF >10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	78.53	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0264 SF >100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	53.82	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0265 SF >250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	41.52	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0266 SF >500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	34.05	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0267 SF >2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	29.60	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0268 SF >10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	27.07	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	



Existing Conditions	02	02
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0269 Asbestos Contaminated Debris, Asbestos Abatement And Disposal <small>(02 82 33 00-0240)</small>		
02 82 33 00-0270 SET Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	789.55	
For Work In Restricted Working Space, Add	223.69	
02 82 33 00-0271 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	78.53	
For Work In Restricted Working Space, Add	22.24	
02 82 33 00-0272 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	53.82	
For Work In Restricted Working Space, Add	14.83	
02 82 33 00-0273 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	41.52	
For Work In Restricted Working Space, Add	11.14	
02 82 33 00-0274 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.05	
For Work In Restricted Working Space, Add	8.90	
02 82 33 00-0275 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	29.60	
For Work In Restricted Working Space, Add	7.56	
02 82 33 00-0276 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	27.07	
For Work In Restricted Working Space, Add	6.80	
02 82 33 00-0277 Other Asbestos Containing Materials, Asbestos Abatement And Disposal <small>(02 82 33 00-0277)</small>		
02 82 33 00-0278 30" To 36" Fire Door, Asbestos Abatement And Disposal <small>(02 82 33 00-0277)</small>		
02 82 33 00-0279 SET Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	392.58	
02 82 33 00-0280 EA >1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	153.98	
02 82 33 00-0281 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	140.55	
02 82 33 00-0282 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal <small>(02 82 33 00-0277)</small>		
02 82 33 00-0283 SET Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	373.73	
02 82 33 00-0284 LF >10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	7.71	
02 82 33 00-0285 LF >50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.81	
02 82 33 00-0286 LF >100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.00	
02 82 33 00-0287 LF >250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.33	
02 82 33 00-0288 LF >1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.71	
02 82 33 00-0289 LF >2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.22	
02 82 33 00-0290 Grout, Asbestos Abatement And Disposal <small>(02 82 33 00-0277)</small>		
Note: e.g. flue grout.		
02 82 33 00-0291 SET Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	373.43	
02 82 33 00-0292 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal	14.74	
02 82 33 00-0293 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal	10.17	
02 82 33 00-0294 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal	8.72	
02 82 33 00-0295 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	7.49	
02 82 33 00-0296 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	6.47	
02 82 33 00-0297 LF >2,500 LF, Grout, Asbestos Abatement And Disposal	5.55	
02 82 33 00-0298 Gaskets, Asbestos Abatement And Disposal <small>(02 82 33 00-0277)</small>		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0299 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	373.73	
02 82 33 00-0300 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	19.86	
02 82 33 00-0301 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	14.92	
02 82 33 00-0302 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	12.72	
02 82 33 00-0303 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	11.46	
02 82 33 00-0304 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.31	
02 82 33 00-0305 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal	9.81	
02 82 33 00-0306 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal <small>(02 82 33 00-0277)</small>		
Note: e.g. grid, spline, or glued on.		
02 82 33 00-0307 SET Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	763.93	
Note: Including Glue Removal		
02 82 33 00-0308 SF >50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	16.22	
Note: Including Glue Removal		
02 82 33 00-0309 SF >1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal	7.99	
Note: Including Glue Removal		
02 82 33 00-0310 SF >2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	5.52	
Note: Including Glue Removal		
02 82 33 00-0311 SF >10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	4.75	
Note: Including Glue Removal		
02 82 33 00-0312 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal <small>(02 82 33 00-0277)</small>		
Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0313 SET Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	755.52	
02 82 33 00-0314 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	16.22	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0315 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.99	
02 82 33 00-0316 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.52	
02 82 33 00-0317 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.75	
02 82 33 00-0318 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0277)		
02 82 33 00-0319 Non-Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0318)		
02 82 33 00-0320 SET Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	373.43	
02 82 33 00-0321 LF >10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	11.06	
02 82 33 00-0322 LF >50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	7.81	
02 82 33 00-0323 LF >100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	5.83	
02 82 33 00-0324 LF >250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.39	
02 82 33 00-0325 LF >1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.49	
02 82 33 00-0326 LF >2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.03	
02 82 33 00-0327 Wood Wall Joint Compound, Asbestos Abatement And Disposal (02 82 33 00-0277)		
02 82 33 00-0328 SET Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	747.47	
02 82 33 00-0329 SF >10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	14.86	
02 82 33 00-0330 SF >500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	10.90	
02 82 33 00-0331 SF >2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	8.57	
02 82 33 00-0332 SF >10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	6.71	
02 82 33 00-0333 Chalk Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0277)		
02 82 33 00-0334 SET Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	391.13	
02 82 33 00-0335 SF >100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	16.03	
02 82 33 00-0336 SF >1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	7.80	
02 82 33 00-0337 SF >2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	5.33	
02 82 33 00-0338 SF >10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	4.56	
02 82 33 00-0339 Tack Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0277)		
02 82 33 00-0340 SET Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal	391.13	
02 82 33 00-0341 SF >100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	16.03	
02 82 33 00-0342 SF >1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal	7.80	
02 82 33 00-0343 SF >2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	5.33	
02 82 33 00-0344 SF >10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	4.56	
02 82 33 00-0345 Dash Coat Over Wood Walls, Asbestos Abatement And Disposal (02 82 33 00-0277)		
02 82 33 00-0346 SET Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	747.47	
02 82 33 00-0347 SF >10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	16.49	
02 82 33 00-0348 SF >500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	12.33	
02 82 33 00-0349 SF >2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	9.30	
02 82 33 00-0350 SF >10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	7.02	
02 82 33 00-0351 HEPA Vacuum, Asbestos Abatement And Disposal (02 82 33 00-0277)		
Note: For adjacent areas.		
02 82 33 00-0352 SF High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area	0.84	
02 82 33 00-0353 Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0277)		
02 82 33 00-0354 SET Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	373.43	
02 82 33 00-0355 LF >10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	14.74	
02 82 33 00-0356 LF >50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	10.17	
02 82 33 00-0357 LF >100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	8.72	
02 82 33 00-0358 LF >250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.49	
02 82 33 00-0359 LF >1,000 LF, Window Putty, Asbestos Abatement And Disposal	6.47	
02 82 33 00-0360 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0277)		
02 82 33 00-0361 SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	829.95	
02 82 33 00-0362 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	87.80	
02 82 33 00-0363 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	65.57	
02 82 33 00-0364 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	54.49	
02 82 33 00-0365 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	47.77	
02 82 33 00-0366 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	43.77	
02 82 33 00-0367 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	41.49	

02 83 Lead Remediation (02 80)

See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

02 83 19 Lead-Based Paint Remediation (02 83)

02 83 19 13 Lead-Based Paint Abatement (02 83 19)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting.

02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	87.75
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing	72.26
		Note: Including Technician, 3 Readings Per Surface And Lab Fee	
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	69.18
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	104.82
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	146.74
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee	27.25
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee	41.93
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee	52.41
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	69.18
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	104.82
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.53
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	15.72
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.06
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.53
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	15.72
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.06
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	41.93
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	62.89
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	83.85
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	43.36
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	86.72

02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)

02 83 19 13-0024	EA	Lead-Based Paint Remediation Minimum Show Up Charge	1,205.57
		Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	

02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	33.75
		For 0.025" (25 mil) Application, Add	1.94
		For 0.03" (30 mil) Application, Add	3.06
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	50.00
		For 0.025" (25 mil) Application, Add	2.75
		For 0.03" (30 mil) Application, Add	4.28
02 83 19 13-0028	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	14.52
		For 0.025" (25 mil) Application, Add	0.88
		For 0.03" (30 mil) Application, Add	1.41
		For 0.125" (125 mil) Application, Add	8.13
02 83 19 13-0029	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	29.57
		For 0.025" (25 mil) Application, Add	1.63
		For 0.03" (30 mil) Application, Add	2.54
		For 0.125" (125 mil) Application, Add	11.89
02 83 19 13-0030	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	15.82
		For 0.025" (25 mil) Application, Add	1.04
		For 0.03" (30 mil) Application, Add	1.72
02 83 19 13-0031	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	44.58
		For 0.025" (25 mil) Application, Add	2.48
		For 0.03" (30 mil) Application, Add	3.87
02 83 19 13-0032	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	9.78
		For 0.025" (25 mil) Application, Add	0.69
		For 0.03" (30 mil) Application, Add	1.16
		For 0.125" (125 mil) Application, Add	8.45
02 83 19 13-0033	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	28.21
		For 0.025" (25 mil) Application, Add	1.61
		For 0.03" (30 mil) Application, Add	2.54
02 83 19 13-0034	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	35.93
		For 0.025" (25 mil) Application, Add	2.00
		For 0.03" (30 mil) Application, Add	3.12
02 83 19 13-0035	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	13.45
		For 0.025" (25 mil) Application, Add	0.87
		For 0.03" (30 mil) Application, Add	1.43

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0036 SF Columns, Chemical Stripping Of Lead Contaminated Material	12.95	
For 0.025" (25 mil) Application, Add	0.90	
For 0.03" (30 mil) Application, Add	1.50	
For 0.125" (125 mil) Application, Add	10.74	
02 83 19 13-0037 SF Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	11.40	
For 0.025" (25 mil) Application, Add	0.77	
For 0.03" (30 mil) Application, Add	1.28	
02 83 19 13-0038 SF Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	13.99	
For 0.025" (25 mil) Application, Add	0.90	
For 0.03" (30 mil) Application, Add	1.47	
02 83 19 13-0039 SF Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	20.59	
For 0.025" (25 mil) Application, Add	1.28	
For 0.03" (30 mil) Application, Add	2.08	
02 83 19 13-0040 EA Electrical Devices, Chemical Stripping Of Lead Contaminated Material	58.71	
For 0.025" (25 mil) Application, Add	3.34	
For 0.03" (30 mil) Application, Add	5.25	
02 83 19 13-0041 LF Door Frames, Chemical Stripping Of Lead Contaminated Material	14.61	
For 0.025" (25 mil) Application, Add	0.93	
For 0.03" (30 mil) Application, Add	1.52	
02 83 19 13-0042 SF Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.07	
For 0.025" (25 mil) Application, Add	0.60	
For 0.03" (30 mil) Application, Add	1.03	
02 83 19 13-0043 SF HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	30.14	
For 0.025" (25 mil) Application, Add	1.71	
For 0.03" (30 mil) Application, Add	2.69	
02 83 19 13-0044 SF HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	35.93	
For 0.025" (25 mil) Application, Add	2.00	
For 0.03" (30 mil) Application, Add	3.12	
02 83 19 13-0045 EA Hinges, Chemical Stripping Of Lead Contaminated Material	18.97	
For 0.025" (25 mil) Application, Add	1.25	
For 0.03" (30 mil) Application, Add	2.06	
02 83 19 13-0046 EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	23.33	
For 0.025" (25 mil) Application, Add	1.47	
For 0.03" (30 mil) Application, Add	2.39	
For 0.125" (125 mil) Application, Add	14.83	
02 83 19 13-0047 LF Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.54	
For 0.025" (25 mil) Application, Add	0.48	
For 0.03" (30 mil) Application, Add	0.81	
For 0.125" (125 mil) Application, Add	6.14	
02 83 19 13-0048 LF >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	10.46	
For 0.025" (25 mil) Application, Add	0.67	
For 0.03" (30 mil) Application, Add	1.10	
For 0.125" (125 mil) Application, Add	7.12	
02 83 19 13-0049 LF >4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	18.72	
For 0.025" (25 mil) Application, Add	1.19	
For 0.03" (30 mil) Application, Add	1.94	
For 0.125" (125 mil) Application, Add	12.18	
02 83 19 13-0050 LF >8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	25.62	
For 0.025" (25 mil) Application, Add	1.58	
For 0.03" (30 mil) Application, Add	2.56	
For 0.125" (125 mil) Application, Add	15.41	
02 83 19 13-0051 LF >12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	45.91	
For 0.025" (25 mil) Application, Add	2.75	
For 0.03" (30 mil) Application, Add	4.40	
For 0.125" (125 mil) Application, Add	24.98	
02 83 19 13-0052 SF >16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	13.71	
For 0.025" (25 mil) Application, Add	0.79	
For 0.03" (30 mil) Application, Add	1.26	
For 0.125" (125 mil) Application, Add	6.67	
02 83 19 13-0053 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	272.17	
For 0.025" (25 mil) Application, Add	15.06	
For 0.03" (30 mil) Application, Add	23.50	
02 83 19 13-0054 SF Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	19.27	
For 0.025" (25 mil) Application, Add	1.53	
For 0.03" (30 mil) Application, Add	2.64	
02 83 19 13-0055 SF Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	21.08	
For 0.025" (25 mil) Application, Add	1.62	
For 0.03" (30 mil) Application, Add	2.78	
02 83 19 13-0056 SF Siding, Chemical Stripping Of Lead Contaminated Material	10.96	
For 0.025" (25 mil) Application, Add	0.80	
For 0.03" (30 mil) Application, Add	1.35	
For 0.125" (125 mil) Application, Add	10.24	
02 83 19 13-0057 SF Soffit, Chemical Stripping Of Lead Contaminated Material	22.83	
For 0.025" (25 mil) Application, Add	1.34	
For 0.03" (30 mil) Application, Add	2.14	
For 0.125" (125 mil) Application, Add	17.71	
02 83 19 13-0058 SF Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	10.55	
For 0.025" (25 mil) Application, Add	0.73	
For 0.03" (30 mil) Application, Add	1.22	
For 0.125" (125 mil) Application, Add	8.64	
02 83 19 13-0059 SF Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	11.97	
For 0.025" (25 mil) Application, Add	0.80	
For 0.03" (30 mil) Application, Add	1.32	
For 0.125" (125 mil) Application, Add	8.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0060 SF Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	11.94	
<i>For 0.025" (25 mil) Application, Add</i>	0.80	
<i>For 0.03" (30 mil) Application, Add</i>	1.32	
<i>For 0.125" (125 mil) Application, Add</i>	8.99	
02 83 19 13-0061 SF Steel Trusses, Chemical Stripping Of Lead Contaminated Material.....	16.88	
<i>For 0.025" (25 mil) Application, Add</i>	1.04	
<i>For 0.03" (30 mil) Application, Add</i>	1.69	
<i>For 0.125" (125 mil) Application, Add</i>	10.22	
02 83 19 13-0062 SF Wood Surfaces, Chemical Stripping Of Lead Contaminated Material.....	11.94	
<i>For 0.025" (25 mil) Application, Add</i>	0.80	
<i>For 0.03" (30 mil) Application, Add</i>	1.32	
<i>For 0.125" (125 mil) Application, Add</i>	8.99	
02 83 19 13-0063 SF Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material.....	27.38	
<i>For 0.025" (25 mil) Application, Add</i>	1.57	
<i>For 0.03" (30 mil) Application, Add</i>	2.48	
02 83 19 13-0064 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material.....	29.96	
<i>For 0.025" (25 mil) Application, Add</i>	1.70	
<i>For 0.03" (30 mil) Application, Add</i>	2.67	
02 83 19 13-0065 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material.....	31.71	
<i>For 0.025" (25 mil) Application, Add</i>	1.79	
<i>For 0.03" (30 mil) Application, Add</i>	2.80	
02 83 19 13-0066 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material.....	33.46	
<i>For 0.025" (25 mil) Application, Add</i>	1.87	
<i>For 0.03" (30 mil) Application, Add</i>	2.93	
02 83 19 13-0067 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material.....	35.20	
<i>For 0.025" (25 mil) Application, Add</i>	1.96	
<i>For 0.03" (30 mil) Application, Add</i>	3.07	
02 83 19 13-0068 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material.....	37.01	
<i>For 0.025" (25 mil) Application, Add</i>	2.05	
<i>For 0.03" (30 mil) Application, Add</i>	3.20	
02 83 19 13-0069 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material.....	38.71	
<i>For 0.025" (25 mil) Application, Add</i>	2.14	
<i>For 0.03" (30 mil) Application, Add</i>	3.33	
02 83 19 13-0070 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material.....	39.59	
<i>For 0.025" (25 mil) Application, Add</i>	2.18	
<i>For 0.03" (30 mil) Application, Add</i>	3.39	
02 83 19 13-0071 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material.....	40.48	
<i>For 0.025" (25 mil) Application, Add</i>	2.22	
<i>For 0.03" (30 mil) Application, Add</i>	3.46	
02 83 19 13-0072 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material.....	41.32	
<i>For 0.025" (25 mil) Application, Add</i>	2.27	
<i>For 0.03" (30 mil) Application, Add</i>	3.52	
02 83 19 13-0073 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material.....	54.66	
<i>For 0.025" (25 mil) Application, Add</i>	3.13	
<i>For 0.03" (30 mil) Application, Add</i>	4.95	
<i>For 0.125" (125 mil) Application, Add</i>	25.67	
02 83 19 13-0074 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....	9.53	
<i>For 0.025" (25 mil) Application, Add</i>	0.63	
<i>For 0.03" (30 mil) Application, Add</i>	1.03	
<i>For 0.125" (125 mil) Application, Add</i>	6.88	
02 83 19 13-0075 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material.....	27.83	
Note: The unit of measure "SF" is measured for "Length x Height". Work includes both sides of railing.		
<i>For 0.025" (25 mil) Application, Add</i>	1.69	
<i>For 0.03" (30 mil) Application, Add</i>	2.72	
<i>For 0.125" (125 mil) Application, Add</i>	15.96	
02 83 19 13-0076 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	30.39	
<i>For 0.025" (25 mil) Application, Add</i>	1.77	
<i>For 0.03" (30 mil) Application, Add</i>	2.81	
<i>For 0.125" (125 mil) Application, Add</i>	15.10	

02 83 19 13-0077

Demolish Lead Contaminated Material (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0078 SF Demolish Ceiling Suspension System, Lead Contaminated Material.....	2.40
02 83 19 13-0079 SF Demolish Suspended Ceiling System And Tile, Lead Contaminated Material.....	1.39
02 83 19 13-0080 SF Demolish Acoustical Ceiling Tile, Lead Contaminated Material.....	0.89
02 83 19 13-0081 SF Demolish Metal Pan Grid System, Lead Contaminated Material.....	1.38
02 83 19 13-0082 EA Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material.....	66.82
02 83 19 13-0083 EA Demolish >2' x 4' Light Fixtures, Lead Contaminated Material.....	88.64
02 83 19 13-0084 SF Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material.....	9.90
02 83 19 13-0085 SF Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material.....	5.55
02 83 19 13-0086 SF Demolish Brick, Lead Contaminated Material.....	4.17
02 83 19 13-0087 SF Demolish Concrete Block, Lead Contaminated Material.....	5.37

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0088	SF	Demolish Tile, Lead Contaminated Material	4.05
02 83 19 13-0089	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.09
02 83 19 13-0090	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.75
02 83 19 13-0091	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	6.33
02 83 19 13-0092	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	6.93
02 83 19 13-0093	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.81
02 83 19 13-0094	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.26
02 83 19 13-0095	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.47
02 83 19 13-0096	SF	Demolish Concrete, Lead Contaminated Material	13.78
02 83 19 13-0097	LF	Demolish Cabinets, Lead Contaminated Material	32.11
02 83 19 13-0098	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.82
02 83 19 13-0099	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	17.79
02 83 19 13-0100	SF	Demolish Cornice, Lead Contaminated Material	2.37
02 83 19 13-0101	EA	Demolish Doors, Lead Contaminated Material	69.65
02 83 19 13-0102	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	2.11
02 83 19 13-0103	EA	Demolish Electrical Devices, Lead Contaminated Material.....	21.37
02 83 19 13-0104	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.75
02 83 19 13-0105	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	4.56
02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material	3.29
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material	3.87
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material	7.77
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	16.69
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	6.85
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	9.99
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	15.09
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	27.83
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material	120.21
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material	46.84
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material	1.86
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material	1.58
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.33
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material	5.10
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material	6.69
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material	4.95
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material	16.63
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material	7.96
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	5.85
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	9.55
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.63
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material	7.19
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.51
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	21.94
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	4.79
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material	13.17
02 83 19 13-0132	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	7.02
02 83 19 13-0133	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	5.05
02 83 19 13-0134	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.95
02 83 19 13-0135	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.07
02 83 19 13-0136	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material	21.94
02 83 19 13-0137	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	15.60
02 83 19 13-0138	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	11.70
02 83 19 13-0139	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	8.78

02 83 19 13-0140 Wet Sanding/Light Scraping Of Lead Contaminated Material (02 83 19 13)

Note: Remove loose, flaking lead-based paint to prepare for painting.

02 83 19 13-0141	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	3.34
------------------	----	---	------

02 83 19 13-0142 Lead Abatement Encapsulation (02 83 19 13)

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0143	SF	Balustrades, Lead Abatement Encapsulation	6.11
02 83 19 13-0144	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.02
02 83 19 13-0145	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	8.18
02 83 19 13-0146	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	3.94
02 83 19 13-0147	SF	Ornate Cabinets, Lead Abatement Encapsulation	8.82
02 83 19 13-0148	SF	Simple Design Cabinets, Lead Abatement Encapsulation	7.19
02 83 19 13-0149	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.49
02 83 19 13-0150	SF	Wood Ceilings, Lead Abatement Encapsulation	3.01
02 83 19 13-0151	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.79
02 83 19 13-0152	SF	Columns, Lead Abatement Encapsulation	4.76
02 83 19 13-0153	SF	Doors, Lead Abatement Encapsulation	9.03
02 83 19 13-0154	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.99
02 83 19 13-0155	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.86
02 83 19 13-0156	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.39
02 83 19 13-0157	SF	Grilles, Vents, Lead Abatement Encapsulation	6.59
02 83 19 13-0158	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.11
02 83 19 13-0159	EA	Hangers, Lead Abatement Encapsulation	51.70
02 83 19 13-0160	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.71
02 83 19 13-0161	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.37



Existing Conditions	02	02
Facility Remediation	02 80	
Lead Remediation	02 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0162 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	8.35	
02 83 19 13-0163 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	12.32	
02 83 19 13-0164 EA Radiators, Lead Abatement Encapsulation	134.86	
02 83 19 13-0165 EA Up To 6' Shutters, Lead Abatement Encapsulation	192.13	
02 83 19 13-0166 SF Siding, Lead Abatement Encapsulation	3.40	
02 83 19 13-0167 SF Up To 12" Soffit, Lead Abatement Encapsulation	4.76	
02 83 19 13-0168 SF Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	3.94	
02 83 19 13-0169 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.14	
02 83 19 13-0170 SF Trusses, Lead Abatement Encapsulation	5.14	
02 83 19 13-0171 SF Drywall Walls, Lead Abatement Encapsulation	2.22	
02 83 19 13-0172 SF Wood Walls, Lead Abatement Encapsulation	2.72	
02 83 19 13-0173 EA Window Without Grille, Lead Abatement Encapsulation	114.42	
02 83 19 13-0174 EA Window With Grille, Lead Abatement Encapsulation	146.99	
02 83 19 13-0175 LF Wood Door Frames And Trim, Lead Abatement Encapsulation	3.48	
02 83 19 13-0176 LF Steel Lintels, Lead Abatement Encapsulation	4.01	

02 83 33 Removal and Disposal of Material Containing Lead (02 83)

02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)

02 83 33 13-0002 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.28
02 83 33 13-0003 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.29
02 83 33 13-0004 SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.38

02 84 Polychlorinated Biphenyl Remediation (02 80)

02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)

02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002 EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	12.32
---	-------

02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)

Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.19
02 84 16 00-0005 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.06
02 84 16 00-0006 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	9.60
02 84 16 00-0007 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	20.09

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	5.81
02 84 16 00-0010 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.00
02 84 16 00-0011 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	24.68
02 84 16 00-0012 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	47.91

02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)

02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB)	5,254.17
Note: Includes disposal costs.	
02 84 33 00-0003 EA Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB)	8,266.07
Note: Includes disposal costs.	
02 84 33 00-0004 EA Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	2,242.82
02 84 33 00-0005 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB)	9,981.21
Note: Includes disposal costs.	
02 84 33 00-0006 EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	3,994.29
02 84 33 00-0007 EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB)	15,758.96
Note: Includes disposal costs.	

02 87 Bio-Hazard Material Remediation (02 80)

02 87 13 Mold Remediation (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)

02 87 13 33-0001	PIPE And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)	
	Note: Treat fittings as additional lf of insulation.	
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)	
	Note: Diameter is outer size of insulation.	
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
	Note: Excludes encased fittings.	
02 87 13 33-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	767.59
02 87 13 33-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.93
02 87 13 33-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.72
02 87 13 33-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	17.32
02 87 13 33-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.26
02 87 13 33-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.68
02 87 13 33-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
02 87 13 33-0011	SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	833.46
02 87 13 33-0012	LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	37.54
02 87 13 33-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.26
02 87 13 33-0014	LF >500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	23.04
02 87 13 33-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.38
02 87 13 33-0016	LF >10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.55
02 87 13 33-0017	Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)	
02 87 13 33-0019	SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	800.53
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	17.67
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	13.53
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.42
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.24
02 87 13 33-0024	Surfacing Material, Mold Abatement And Disposal (02 87 13 33)	
	Note: e.g. fireproofing, acoustical plaster, etc.	
02 87 13 33-0025	Stucco, Mold Abatement And Disposal (02 87 13 33-0024)	
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0026	SET Up To 50 SF, Stucco, Mold Abatement And Disposal	782.24
02 87 13 33-0027	SF >50 To 500 SF, Stucco, Mold Abatement And Disposal	17.30
02 87 13 33-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	13.16
02 87 13 33-0029	SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.05
02 87 13 33-0030	SF >10,000 SF, Stucco, Mold Abatement And Disposal	7.74
02 87 13 33-0031	Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024)	
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0032	SET Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	782.24
02 87 13 33-0033	SF >50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	17.30
02 87 13 33-0034	SF >500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	13.16
02 87 13 33-0035	SF >2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	10.05
02 87 13 33-0036	SF >10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	7.74
02 87 13 33-0037	Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)	
02 87 13 33-0038	SET Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	818.84
02 87 13 33-0039	SF >100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.09
02 87 13 33-0040	SF >500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.92
02 87 13 33-0041	SF >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.99
02 87 13 33-0042	SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.06
02 87 13 33-0043	Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)	
	Note: Exposed surface area, includes associated overspray.	
02 87 13 33-0044	SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal	800.53
02 87 13 33-0045	SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal	23.94
02 87 13 33-0046	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	18.25
02 87 13 33-0047	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	13.96
02 87 13 33-0048	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	10.75



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0049	02 87 13 33-0049	Flooring, Mold Abatement And Disposal (02 87 13 33) Note: Includes cove base.		
02 87 13 33-0050	02 87 13 33-0050	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0051	02 87 13 33-0051	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	818.84	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.05	
		<i>For Each Additional Layer, Add</i>	1.51	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.60	
		<i>For Each Additional Layer, Add</i>	0.90	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.28	
		<i>For Each Additional Layer, Add</i>	0.57	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.88	
		<i>For Each Additional Layer, Add</i>	0.47	
02 87 13 33-0057	02 87 13 33-0057	Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058	02 87 13 33-0058	Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	818.84	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.12	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.40	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.43	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.98	
02 87 13 33-0064	02 87 13 33-0064	Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	818.84	
		Note: Includes tack strips.		
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	5.70	
		Note: Includes tack strips.		
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	4.28	
		Note: Includes tack strips.		
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	3.49	
		Note: Includes tack strips.		
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.81	
		Note: Includes tack strips.		
02 87 13 33-0070	02 87 13 33-0070	Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	800.53	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	6.90	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.59	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.96	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	2.06	
02 87 13 33-0076	02 87 13 33-0076	Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077	02 87 13 33-0077	Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076) Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	818.84	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	6.04	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	4.39	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.75	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.22	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083	02 87 13 33-0083	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	818.84	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.39	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.28	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.71	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.40	
02 87 13 33-0089	02 87 13 33-0089	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0090	02 87 13 33-0090	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	833.46	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.18	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	21.58	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	17.28	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	14.70	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0096 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	10.02	
02 87 13 33-0097 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal	9.45	
02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098) Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100 SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal	409.40	
02 87 13 33-0101 LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.37	
02 87 13 33-0102 LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.57	
02 87 13 33-0103 LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.06	
02 87 13 33-0104 LF >10,000 LF, Wood Studs, Mold Abatement And Disposal	1.62	
02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098) Note: e.g. grid, spline, or glued on; 12" x 12" to 2" x 4".		
02 87 13 33-0106 SET Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	818.84	
02 87 13 33-0107 SF >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.05	
02 87 13 33-0108 SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	4.98	
02 87 13 33-0109 SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.71	
02 87 13 33-0110 SF >10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.67	
02 87 13 33-0111 SF >25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.60	
02 87 13 33-0112 SF >50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.21	
02 87 13 33-0113 SF >100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.86	
02 87 13 33-0114 Caulking, Mold Abatement And Disposal (02 87 13 33-0098)		
02 87 13 33-0115 SET Up To 20 LF, Caulking, Mold Abatement And Disposal	187.62	
02 87 13 33-0116 LF >20 To 50 LF, Caulking, Mold Abatement And Disposal	3.79	
02 87 13 33-0117 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal	2.73	
02 87 13 33-0118 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal	2.07	
02 87 13 33-0119 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.55	
02 87 13 33-0120 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.26	
02 87 13 33-0121 LF >2,500 LF, Caulking, Mold Abatement And Disposal	1.09	
02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)		
02 87 13 33-0123 CSF Wipe Down Floors With Mild Bleach Solution	20.73	
For >25 To 50, Deduct	-2.07	
For >50 To 200, Deduct	-5.18	
For >200, Deduct	-8.28	
02 87 13 33-0124 CSF Wipe Down Walls With Mild Bleach Solution	24.39	
For >25 To 50, Deduct	-2.44	
For >50 To 200, Deduct	-6.09	
For >200, Deduct	-9.75	
02 87 13 33-0125 CSF Wipe Down Ceilings With Mild Bleach Solution	27.74	
For >25 To 50, Deduct	-2.77	
For >50 To 200, Deduct	-6.93	
For >200, Deduct	-11.09	
02 87 13 33-0126 CSF Wipe Down Countertops With Mild Bleach Solution	22.61	
For >25 To 50, Deduct	-2.26	
02 87 13 33-0127 CSF Wipe Down Other Surfaces With Mild Bleach Solution	28.70	
For >25 To 50, Deduct	-2.87	
For >50 To 200, Deduct	-7.17	
For >200, Deduct	-11.47	
02 87 13 33-0128 Cabinets (02 87 13 33-0098)		
02 87 13 33-0129 SET Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	982.97	
02 87 13 33-0130 LF >10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	102.80	
02 87 13 33-0131 LF >20 LF, Base Cabinet, Mold Abatement And Disposal	80.31	
02 87 13 33-0132 SET Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	851.24	
02 87 13 33-0133 LF >10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	80.62	
02 87 13 33-0134 LF >20 LF, Wall Cabinet, Mold Abatement And Disposal	58.14	
02 87 16 Excrement Removal (02 87) Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 16 13 Bird Excrement Removal (02 87 16)		
02 87 16 13-0001 Bird Waste Removal (02 87 16 13) Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness	745.64	
For Work In Restricted Working Space, Add	223.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	12.43 3.73	
02 87 16 13-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	11.30 3.39	
02 87 16 13-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	10.27 3.08	
02 87 16 13-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	9.33 2.80	
02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)		
02 87 19 00-0001 Temporary Barriers (02 87 19)		
02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	1,028.47	
02 87 19 00-0004 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	976.40	
02 87 19 00-0005 EA 2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	768.11	
02 87 19 00-0006 EA 2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	889.61	
02 87 19 00-0007 EA 6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	470.84	
02 87 19 00-0008 EA 12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	505.55	
02 87 19 00-0009 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)..... Note: Includes a hydraulic closer and a lever style lockset standard.	1,575.21	
02 87 19 00-0010 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)..... Note: Includes a hydraulic closer and a lever style lockset standard.	1,748.78	
02 87 19 00-0011 EA 4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)..... Note: Includes a hydraulic closer and a lever style lockset standard.	2,095.92	
02 87 19 00-0012 EA 7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	345.55	
02 87 19 00-0013 EA 7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	284.81	
02 87 19 00-0014 EA 7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	284.81	
02 87 19 00-0015 EA Closure Strips (Edge Guard 3003)..... Note: To seal panels to existing walls	19.27	
02 87 19 00-0016 EA Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	483.44	
02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018 SF 6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.59	
02 87 19 00-0019 SF 6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.79	
02 87 19 00-0020 SF 6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.06	
02 87 19 00-0021 SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.70	
02 87 19 00-0022 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.90	
02 87 19 00-0023 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.17	
02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
Note: Includes removal after use.		
02 87 19 00-0025 SF 1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.95	
02 87 19 00-0026 SF 1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.97	
02 87 19 00-0027 SF 3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.32	
02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
Note: Includes removal after use.		
02 87 19 00-0029 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.68	
02 87 19 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.25	
02 87 19 00-0031 SF 5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.85	
02 87 19 00-0032 SF 5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.58	
02 87 19 00-0033 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	3.91	
02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
02 87 19 00-0035 GSF Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	26.56	
Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036 GSF Relocate Tent Construction To Different Area.....	3.05	
02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
02 87 19 00-0038 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	22.29	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0039 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	26.27	
02 87 19 00-0040 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	36.91	
02 87 19 00-0041 PR Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	1,475.38	
Note: Excludes gloves.		
02 87 19 00-0042 PR Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	528.76	
Note: For installation in glove iris port.		
02 87 19 00-0043 PR Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	842.54	
Note: For installation in glove iris port.		
02 87 19 00-0044 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease.....	154.59	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
02 87 19 00-0045 Temporary Portable And Mobile Trailers (02 87 19)		
02 87 19 00-0046 Trailer Delivery (02 87 19 00-0045)		
02 87 19 00-0047 EA Deliver Trailer Within 25 Miles	1,205.07	
02 87 19 00-0048 Portable And Mobile Trailers, Purchase (02 87 19 00-0045)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049 EA 8' x 24' Mobile Trailer With Toilet, Purchase	12,937.46	
For Tie-Downs, Add	128.53	
02 87 19 00-0050 EA 8' x 32' Mobile Trailer With Toilet, Purchase	18,275.64	
For Tie-Downs, Add	128.53	
02 87 19 00-0051 EA 10' x 36' Mobile Trailer With Toilet, Purchase	26,073.38	
For Tie-Downs, Add	128.53	
02 87 19 00-0052 EA 10' x 44' Mobile Trailer With Toilet, Purchase	32,578.63	
For Tie-Downs, Add	128.53	
02 87 19 00-0053 EA 10' x 50' Mobile Trailer With Toilet, Purchase	37,037.93	
For Tie-Downs, Add	128.53	
02 87 19 00-0054 EA 12' x 50' Mobile Trailer With Toilet, Purchase	38,939.29	
For Tie-Downs, Add	128.53	
02 87 19 00-0055 EA 12' x 60' Mobile Trailer With Toilet, Purchase	43,327.53	
For Tie-Downs, Add	128.53	
02 87 19 00-0056 Accessories For Portable And Mobile Trailers (02 87 19 00-0045)		
02 87 19 00-0057 Skirting (02 87 19 00-0056)		
Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058 SF 1'-8" High Vinyl Covered Skirt.....	5.47	2.17
02 87 19 00-0059 SF 3' High Vinyl Covered Skirt	8.04	3.58
02 87 19 00-0060 Aluminum Modular Access Ramp (02 87 19 00-0056)		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0061 EA Up To 35" High, Aluminum Modular Access Ramp.....	3,784.31	41.56
02 87 19 00-0062 Aluminum Modular Stairs (02 87 19 00-0056)		
Note: Excludes earthwork		
02 87 19 00-0063 EA Aluminum Steps For Mobile Trailers.....	1,046.54	
02 87 19 00-0064 Decontamination Chambers For Bio-Hazard And Infectious Disease Control (02 87 19)		
Note: Includes removal after use.		
02 87 19 00-0065 EA Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control	1,017.14	
Note: Includes connection to negative air system.		
02 87 19 00-0066 EA Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control	1,199.10	
Note: Includes connection to negative air system.		
02 87 19 00-0067 EA Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control.....	623.19	
Note: Includes connection to negative air system.		
02 87 19 00-0068 Bio-Hazard And Infectious Disease Control Cleaning, Level 2 (02 87 19)		
Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069 Bio-Hazard And Infectious Disease Control Cleaning Mobilization (02 87 19 00-0068)		
02 87 19 00-0070 EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....	400.87	
Note: Mobilization and set-up minimum for each site location.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

02 87 19 00-0071 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces (02 87 19 00-0068)
 Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces

02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		29.73	
		<i>For >25 To 50, Deduct</i>		-2.97	
		<i>For >50 To 200, Deduct</i>		-5.94	
		<i>For >200, Deduct</i>		-8.91	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		14.46	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-5.94	
		<i>For Level 3 Biohazard Cleaning, Add</i>		9.80	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		34.96	
		<i>For >25 To 50, Deduct</i>		-3.49	
		<i>For >50 To 200, Deduct</i>		-6.99	
		<i>For >200, Deduct</i>		-10.48	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		14.46	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-6.99	
		<i>For Level 3 Biohazard Cleaning, Add</i>		11.53	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		39.77	
		<i>For >25 To 50, Deduct</i>		-3.97	
		<i>For >50 To 200, Deduct</i>		-7.95	
		<i>For >200, Deduct</i>		-11.92	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		14.46	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-7.95	
		<i>For Level 3 Biohazard Cleaning, Add</i>		13.11	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		32.42	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		14.46	
		<i>For >5 To 10, Deduct</i>		-1.62	
		<i>For >10 To 50, Deduct</i>		-3.24	
		<i>For >50, Deduct</i>		-6.48	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-6.48	
		<i>For Level 3 Biohazard Cleaning, Add</i>		10.69	
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		41.15	
		<i>For >25 To 50, Deduct</i>		-4.11	
		<i>For >50 To 200, Deduct</i>		-8.22	
		<i>For >200, Deduct</i>		-12.34	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		14.46	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-8.22	
		<i>For Level 3 Biohazard Cleaning, Add</i>		13.57	

02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials (02 87 19 00-0068)
 Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		76.81	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-15.36	
		<i>For Level 3 Biohazard Cleaning, Add</i>		25.34	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		7.23	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		35.25	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-7.04	
		<i>For Level 3 Biohazard Cleaning, Add</i>		11.62	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		4.82	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		123.74	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-24.74	
		<i>For Level 3 Biohazard Cleaning, Add</i>		40.82	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		7.23	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		7.64	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-1.52	
		<i>For Level 3 Biohazard Cleaning, Add</i>		2.51	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		1.45	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		114.07	
		Clean-up		114.07	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers			
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-22.81	
		<i>For Level 3 Biohazard Cleaning, Add</i>		37.63	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		7.23	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution		12.19	
		Clean-up		12.19	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-2.43	
		<i>For Level 3 Biohazard Cleaning, Add</i>		4.01	
		<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>		1.45	

02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0068)

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	Cleaning	4.48	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-0.89	
		<i>For Level 3 Biohazard Cleaning, Add</i>		1.47	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	Cleaning	5.63	
		<i>For Level 1 Biohazard Cleaning, Deduct</i>		-1.11	
		<i>For Level 3 Biohazard Cleaning, Add</i>		1.84	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0087 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	7.54	
For Level 1 Biohazard Cleaning, Deduct	-1.48	
For Level 3 Biohazard Cleaning, Add	2.45	
02 87 19 00-0088 LF >8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	10.68	
For Level 1 Biohazard Cleaning, Deduct	-2.09	
For Level 3 Biohazard Cleaning, Add	3.45	
02 87 19 00-0089 EA Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	200.46	
For Level 1 Biohazard Cleaning, Deduct	-40.09	
For Level 3 Biohazard Cleaning, Add	66.14	
02 87 19 00-0090 SF Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	13.95	
For Level 1 Biohazard Cleaning, Deduct	-2.78	
For Level 3 Biohazard Cleaning, Add	4.59	
02 87 19 00-0091 EA Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	133.65	
For Level 1 Biohazard Cleaning, Deduct	-26.72	
For Level 3 Biohazard Cleaning, Add	44.09	
02 87 19 00-0092 EA Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	400.90	
For Level 1 Biohazard Cleaning, Deduct	-80.17	
For Level 3 Biohazard Cleaning, Add	132.29	
02 87 19 00-0093 EA Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	33.43	
Note: Includes removal and reinstallation.		
For Level 1 Biohazard Cleaning, Deduct	-6.68	
For Level 3 Biohazard Cleaning, Add	11.02	
02 87 19 00-0094 SF Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.60	
For Level 1 Biohazard Cleaning, Deduct	-0.11	
For Level 3 Biohazard Cleaning, Add	0.18	
02 87 19 00-0095 SF Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.68	
For Level 1 Biohazard Cleaning, Deduct	-0.11	
For Level 3 Biohazard Cleaning, Add	0.18	
02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental <small>(02 87 19)</small>		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0097 DAY Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	163.58	
02 87 19 00-0098 WK Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	696.73	
02 87 19 00-0099 MO Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,950.84	
02 87 19 00-0100 DAY Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	154.91	
02 87 19 00-0101 WK Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	426.01	
02 87 19 00-0102 MO Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	1,161.83	
02 87 19 00-0103 DAY Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	45.56	
02 87 19 00-0104 WK Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	125.30	
02 87 19 00-0105 MO Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	341.72	
02 87 19 00-0106 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	120.46	
02 87 19 00-0107 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	494.73	
02 87 19 00-0108 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	1,494.94	
02 87 19 00-0109 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio- Hazard And Infectious Disease Control Clean-up	199.93	
Note: Required if over 800 hours operation.		
02 87 19 00-0110 DAY 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	432.03	
02 87 19 00-0111 WK 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	864.07	
02 87 19 00-0112 MO 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,728.13	
02 87 19 00-0113 DAY 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	576.04	
02 87 19 00-0114 WK 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,152.09	
02 87 19 00-0115 MO 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,304.18	
02 87 19 00-0116 DAY 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	972.69	
02 87 19 00-0117 WK 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,945.37	
02 87 19 00-0118 MO 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,890.75	
02 87 19 00-0119 DAY 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,296.92	
02 87 19 00-0120 WK 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,593.83	
02 87 19 00-0121 MO 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	5,187.66	
02 87 19 00-0122 DAY 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,621.14	
02 87 19 00-0123 WK 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,242.29	
02 87 19 00-0124 MO 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	6,484.58	
02 87 19 00-0125 EA Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	122.26	
Note: Includes staking down tent.		
02 87 19 00-0126 EA Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	244.53	
Note: Includes staking down tent.		
02 87 19 00-0127 EA Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	733.58	
Note: Includes staking down tent.		
02 87 19 00-0128 EA Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,467.16	
Note: Includes staking down tent.		
02 87 19 00-0129 EA Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,445.27	
Note: Includes staking down tent.		
02 87 19 00-0130 DAY Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	94.47	



Existing Conditions	02
Facility Remediation	02 80
Bio-Hazard Material Remediation	02 87

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0131 WK Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	259.80	
02 87 19 00-0132 MO Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	708.53	
02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck (02 87 19)		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134 EA Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	106.72	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
	1.33	
02 87 19 00-0135 EA Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up	174.12	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
	2.18	
02 87 19 00-0136 EA Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	180.01	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
	2.25	
02 87 19 00-0137 EA Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	178.54	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
	2.23	
02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal (02 87 19)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139 CY Bio-Hazard And Infectious Disease Control Landfill Dump Fee	118.56	
02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters (02 87 19)		
Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141 EA 20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	44,973.14	
02 87 19 00-0142 EA 7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,323.42	
02 87 19 00-0143 EA Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,153.52	
02 87 19 00-0144 SF Sub Flooring For Medical Shelter (AKS-AB846)	6.68	
02 87 19 00-0145 EA Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	1,963.48	
02 87 19 00-0146 EA Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	32,159.53	
02 87 19 00-0147 EA 3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,120.94	
02 87 19 00-0148 EA Negative Pressure Isolation (NPI) System (AK-NPIS-5)	50,618.56	
Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case		
02 87 19 00-0149 EA 6' Step Ladder (AKS-AC595)	305.31	
02 87 19 00-0150 EA 10 Lbs Sledgehammer (AKS-AA268)	92.51	
02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0151)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153 HR General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	100.51	
02 87 19 00-0154 HR Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	150.92	
02 87 19 00-0155 HR Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	101.65	
02 87 19 00-0156 HR Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	122.22	
02 87 19 00-0157 HR Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	134.42	
02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0151)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159 EA Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	15.08	
02 87 19 00-0160 EA Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	23.49	
02 87 19 00-0161 PR Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	15.22	
02 87 19 00-0162 EA Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	124.85	
02 87 19 00-0163 EA Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	52.70	
02 87 19 00-0164 EA Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	380.90	
Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension		
02 87 19 00-0165 EA 14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	52.07	
Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010		
02 87 19 00-0166 EA 19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	94.60	
Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.		

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0167 BOX Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	27.34	
02 87 19 00-0168 EA Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	23.35	
02 87 19 00-0169 EA Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	2,546.01	
Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afi), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly		
02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables <small>(02 87 19 00-0151)</small>		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0031 for temporary walls.		
02 87 19 00-0171 GAL Bleach For Bio-Hazard And Infectious Disease Control Clean-up	11.76	
02 87 19 00-0172 EA N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	4.19	
02 87 19 00-0173 GAL Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up	115.22	
02 87 19 00-0174 GAL Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up	346.92	
Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days		
02 87 19 00-0175 QT Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up.....	11.62	
02 87 19 00-0176 EA Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	5.97	
02 87 19 00-0177 ROL Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	15.00	
02 87 19 00-0178 EA UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	75.80	
02 87 19 00-0179 ROL Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	60.44	
02 87 19 00-0180 LB Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	8.48	
02 87 19 00-0181 EA Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up.....	18.67	
02 87 19 00-0182 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	186.07	
02 89 Hazmat Ancillary Tasks and Support <small>(02 80)</small>		
02 89 00 00-0001 Barriers And Protection <small>(02 89)</small>		
Note: Includes removal and disposal after use.		
02 89 00 00-0002 Isolation Barriers <small>(02 89 00 00-0001)</small>		
See CSI section 01 56 16 00-0031 for temporary stud walls.		
02 89 00 00-0003 Cleaning Surfaces <small>(02 89 00 00-0001)</small>		
Note: Other surfaces outside contamination area but not contaminated by, or part of removal.		
02 89 00 00-0004 SF Up To 100 SF, Clean Non-Asbestos Surface	1.83	
02 89 00 00-0005 SF >100 To 500 SF, Clean Non-Asbestos Surface	1.29	
02 89 00 00-0006 SF >500 To 1,000 SF, Clean Non-Asbestos Surface	0.84	
02 89 00 00-0007 SF >1,000 SF, Clean Non-Asbestos Surface	0.66	
02 89 00 00-0008 Hazmat Containment Construction Plastic Sheeting <small>(02 89 00 00-0001)</small>		
02 89 00 00-0009 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.45	
02 89 00 00-0010 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.60	
02 89 00 00-0011 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.80	
02 89 00 00-0012 SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.73	
02 89 00 00-0013 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.92	
02 89 00 00-0014 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.21	
02 89 00 00-0015 Decontamination Chambers <small>(02 89)</small>		
Note: Includes removal after use.		
02 89 00 00-0016 EA 3 Stage Portable Personnel Decontamination Wash Facility	1,031.90	
Note: Includes connection to negative air system.		
02 89 00 00-0017 EA 5 Stage Portable Personnel Decontamination Wash Facility	1,216.84	
Note: Includes connection to negative air system.		
02 89 00 00-0018 EA Portable Waste Decontamination Unit	635.00	
Note: Includes connection to negative air system.		
<i>For Dismantling And Relocation To A Different Area, Add</i>		412.73
02 90 Disaster Recovery <small>(02)</small>		
Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.		
02 90 50 Cleaning and Disaster Clean-up <small>(02 90)</small>		
02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal <small>(02 90 50)</small>		
Note: For materials not requiring mold abatement.		
02 90 50 00-0002 SY Wet Broadloom Carpet Removal For Disaster Clean-up	24.79	
02 90 50 00-0003 SY Wet Carpet Tile Removal For Disaster Clean-up	6.03	
02 90 50 00-0004 SF Wet Batt Insulation Removal For Disaster Clean-up.....	0.50	
02 90 50 00-0005 SF Wet Ceiling Tile Removal For Disaster Clean-up	0.60	
02 90 50 00-0006 SF Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.59	
02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0008 Cleaning <small>(02 90 50)</small>		
Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009 Clean Furnishings <small>(02 90 50 00-0008)</small>		
02 90 50 00-0010 EA Office Equipment, Exterior Wipe For Disaster Clean-up.....	27.90	
For Medium Clean, Add	11.72	
For Heavy Clean, Add	36.27	
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.55	
For Medium Clean, Add	0.65	
For Heavy Clean, Add	2.02	
02 90 50 00-0012 LF Shelving, Light Clean For Disaster Clean-up.....	2.79	
For Medium Clean, Add	1.17	
For Heavy Clean, Add	3.63	
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean For Disaster Clean-up.....	8.06	
For Medium Clean, Add	3.39	
For Heavy Clean, Add	10.48	
02 90 50 00-0014 EA Upholstered Chair, Light Clean For Disaster Clean-up.....	26.04	
For Medium Clean, Add	10.94	
For Heavy Clean, Add	33.85	
02 90 50 00-0015 EA Upholstered Sofa, Light Clean For Disaster Clean-up.....	160.58	
For Medium Clean, Add	67.44	
For Heavy Clean, Add	208.75	
02 90 50 00-0016 EA Desk, Light Clean For Disaster Clean-up	32.87	
For Medium Clean, Add	13.81	
For Heavy Clean, Add	42.73	
02 90 50 00-0017 EA Table, Light Clean For Disaster Clean-up.....	31.00	
For Medium Clean, Add	13.02	
For Heavy Clean, Add	40.30	
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.80	
For Medium Clean, Add	2.86	
For Heavy Clean, Add	8.84	
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean For Disaster Clean-up.....	8.70	
For Medium Clean, Add	3.65	
For Heavy Clean, Add	11.31	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up.....	7.13	
For Medium Clean, Add	2.99	
For Heavy Clean, Add	9.27	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	13.95	
For Medium Clean, Add	5.86	
For Heavy Clean, Add	18.14	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up.....	7.13	
For Medium Clean, Add	2.99	
For Heavy Clean, Add	9.27	
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.41	
For Medium Clean, Add	5.21	
For Heavy Clean, Add	16.13	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean For Disaster Clean-up.....	2.97	
For Medium Clean, Add	1.25	
For Heavy Clean, Add	3.86	
02 90 50 00-0025 Clean Hard Surfaces <small>(02 90 50 00-0008)</small>		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up.....	0.41	
For Medium Clean, Add	0.17	
For Heavy Clean, Add	0.53	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean For Disaster Clean-up.....	5.27	
For Medium Clean, Add	2.21	
For Heavy Clean, Add	6.85	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up.....	5.97	
For Medium Clean, Add	2.51	
For Heavy Clean, Add	7.76	
02 90 50 00-0029 SF Overhead Door, Light Clean For Disaster Clean-up	0.42	
For Medium Clean, Add	0.18	
For Heavy Clean, Add	0.55	
02 90 50 00-0030 SF Mirror, Light Clean For Disaster Clean-up	0.31	
For Medium Clean, Add	0.13	
For Heavy Clean, Add	0.40	
02 90 50 00-0031 SF Window, Light Clean For Disaster Clean-up.....	0.91	
For Medium Clean, Add	0.38	
For Heavy Clean, Add	1.18	
02 90 50 00-0032 LF Handrail, Light Clean For Disaster Clean-up	0.81	
For Medium Clean, Add	0.34	
For Heavy Clean, Add	1.05	
02 90 50 00-0033 LF Bumper Rail, Light Clean For Disaster Clean-up.....	0.44	
For Medium Clean, Add	0.18	
For Heavy Clean, Add	0.57	
02 90 50 00-0034 SF Hard Floor, Light Clean For Disaster Clean-up.....	0.36	
For Medium Clean, Add	0.15	
For Heavy Clean, Add	0.47	
02 90 50 00-0035 SF Carpet, Light Clean For Disaster Clean-up.....	0.37	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.48	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0036 SF Hard Ceiling, Light Clean For Disaster Clean-up.....	0.28	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.36	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up.....	0.31	
For Medium Clean, Add	0.13	
For Heavy Clean, Add	0.40	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean For Disaster Clean-up.....	0.26	
For Medium Clean, Add	0.11	
For Heavy Clean, Add	0.34	
02 90 50 00-0039 SF Wall, Light Clean For Disaster Clean-up.....	0.19	
For Medium Clean, Add	0.08	
For Heavy Clean, Add	0.25	
02 90 50 00-0040 SF Masonry Wall, Light Clean For Disaster Clean-up.....	0.26	
For Medium Clean, Add	0.11	
For Heavy Clean, Add	0.34	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	65.38	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	27.46	
For Heavy Clean, Add	84.99	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	81.73	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	34.33	
For Heavy Clean, Add	106.25	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	98.07	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	41.19	
For Heavy Clean, Add	127.49	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	114.42	
For Medium Clean, Add	48.06	
For Heavy Clean, Add	148.75	
02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046 SF Window Blind, Light Clean For Disaster Clean-up.....	0.71	
For Medium Clean, Add	0.30	
For Heavy Clean, Add	0.92	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.45	
For Medium Clean, Add	0.61	
For Heavy Clean, Add	1.89	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.68	
For Medium Clean, Add	0.71	
For Heavy Clean, Add	2.18	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.52	
For Medium Clean, Add	0.64	
For Heavy Clean, Add	1.98	
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.75	
For Medium Clean, Add	0.74	
For Heavy Clean, Add	2.28	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.87	
For Medium Clean, Add	0.79	
For Heavy Clean, Add	2.43	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.15	
For Medium Clean, Add	0.90	
For Heavy Clean, Add	2.80	
02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)		
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	12.84	
For Medium Clean, Add	5.39	
For Heavy Clean, Add	16.69	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean For Disaster Clean-up.....	30.26	
For Medium Clean, Add	12.71	
For Heavy Clean, Add	39.34	
02 90 50 00-0056 EA Range, Outside, Light Clean For Disaster Clean-up.....	26.15	
For Medium Clean, Add	10.98	
For Heavy Clean, Add	34.00	
02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)		
02 90 50 00-0058 EA Water Heater, Light Clean For Disaster Clean-up.....	18.60	
For Medium Clean, Add	7.81	
For Heavy Clean, Add	24.18	
02 90 50 00-0059 EA Plumbing Fixture, Light Clean For Disaster Clean-up.....	18.78	
For Medium Clean, Add	7.89	
For Heavy Clean, Add	24.41	
02 90 50 00-0060 EA Restroom Accessory, Light Clean For Disaster Clean-up.....	8.62	
For Medium Clean, Add	3.62	
For Heavy Clean, Add	11.21	
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)		
02 90 50 00-0062 LF Baseboard Heater, Light Clean For Disaster Clean-up.....	5.55	
For Medium Clean, Add	2.33	
For Heavy Clean, Add	7.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0063 LF Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.50	
<i>For Medium Clean, Add</i>	6.51	
<i>For Heavy Clean, Add</i>	20.15	
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	59.53	
<i>For Medium Clean, Add</i>	25.00	
<i>For Heavy Clean, Add</i>	77.39	
02 90 50 00-0065 EA Grille/Register, Light Clean For Disaster Clean-up	5.58	
<i>For Medium Clean, Add</i>	2.34	
<i>For Heavy Clean, Add</i>	7.25	
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	38.64	
<i>For Medium Clean, Add</i>	16.23	
<i>For Heavy Clean, Add</i>	50.23	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	34.41	
<i>For Medium Clean, Add</i>	14.45	
<i>For Heavy Clean, Add</i>	44.73	
02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)		
02 90 50 00-0069 EA Electric Fan, Light Clean For Disaster Clean-up	22.94	
<i>For Medium Clean, Add</i>	9.63	
<i>For Heavy Clean, Add</i>	29.82	
02 90 50 00-0070 EA Ceiling Fan, Light Clean For Disaster Clean-up	24.80	
<i>For Medium Clean, Add</i>	10.42	
<i>For Heavy Clean, Add</i>	32.24	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.24	
<i>For Medium Clean, Add</i>	13.54	
<i>For Heavy Clean, Add</i>	41.91	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	22.64	
<i>For Medium Clean, Add</i>	9.51	
<i>For Heavy Clean, Add</i>	29.43	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean For Disaster Clean-up	14.88	
<i>For Medium Clean, Add</i>	6.25	
<i>For Heavy Clean, Add</i>	19.34	
02 90 50 00-0074 EA Light Fixture, Light Clean For Disaster Clean-up	6.82	
<i>For Medium Clean, Add</i>	2.86	
<i>For Heavy Clean, Add</i>	8.87	
02 90 50 00-0075 EA Smoke Detector, Light Clean For Disaster Clean-up	5.27	
<i>For Medium Clean, Add</i>	2.21	
<i>For Heavy Clean, Add</i>	6.85	
02 90 50 00-0076 EA Thermostat, Light Clean For Disaster Clean-up	1.86	
<i>For Medium Clean, Add</i>	0.78	
<i>For Heavy Clean, Add</i>	2.42	
02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	
02 90 50 00-0079 Contents Manipulation (02 90 50)		
02 90 50 00-0080 SF Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.24	
02 90 50 00-0081 SF Floor Protection, Adhesive Film For Disaster Clean-up	0.30	
02 90 50 00-0082 SF Move Contents Out And Later Reset For Disaster Clean-up	0.49	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer For Disaster Clean-up	191.74	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer For Disaster Clean-up	254.28	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	144.22	
02 90 50 00-0086 Water Disaster Clean-up (02 90 50)		
02 90 50 00-0087 LF Detach Baseboard For Disaster Clean-up	0.68	
02 90 50 00-0088 LF Detach And Later Reset Baseboard For Disaster Clean-up	1.20	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.44	
02 90 50 00-0090 SF Water Extraction From Floor For Disaster Clean-up	0.46	
02 90 50 00-0091 SF Gray Water Extraction From Floor For Disaster Clean-up	0.74	
02 90 50 00-0092 SF Black Water Extraction From Floor For Disaster Clean-up	1.17	
02 90 50 00-0093 SF Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.37	
02 90 50 00-0094 SF Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.43	
02 90 50 00-0095 SF Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.65	
02 90 50 00-0096 SF Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.95	
02 90 50 00-0097 SF Tear Out Vinyl Flooring For Disaster Clean-up	0.90	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.33	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.43	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring For Disaster Clean-up	1.68	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.48	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile For Disaster Clean-up	0.29	
02 90 50 00-0103 SF Tear Out Batt Insulation For Disaster Clean-up	0.29	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105 SF Apply Anti-microbial Agent For Disaster Clean-up	0.28	
02 90 50 00-0106 SF High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36	
02 90 50 00-0107 Board Up And Tarp Up (02 90 50)		
02 90 50 00-0108 SF Polyethylene Tarp On Roof For Disaster Clean-up	0.27	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0109 SF 1/2" Temporary Plywood On Roof For Disaster Clean-up	1.44	
02 90 50 00-0110 SF 5/8" Temporary Plywood On Roof For Disaster Clean-up	1.62	
02 90 50 00-0111 SF 3/4" Temporary Plywood On Roof For Disaster Clean-up	1.76	
02 90 50 00-0112 SF 1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	1.81	
02 90 50 00-0113 SF 5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	1.99	
02 90 50 00-0114 SF 3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.13	
02 90 50 00-0115 Minimum Charges (02 90 50)		
02 90 50 00-0116 EA Disaster Cleaning Minimum Charge	1,395.63	
02 90 50 00-0117 EA Disaster Water Extraction Minimum Charge	289.38	
02 90 50 00-0118 EA Disaster Carpet Cleaning Minimum Charge.....	246.88	
02 90 50 00-0119 Document Restoration (02 90 50)		
02 90 50 00-0120 EA Book Rebinding, Each For Document Restoration	127.49	
02 90 50 00-0121 EA Book Recasing, Each For Document Restoration.....	63.74	
02 90 50 00-0122 EA Boxes-MCS, 1.2 CF For Document Restoration	9.07	
02 90 50 00-0123 EA Boxes-MCS, 2.0 CF For Document Restoration	10.01	
02 90 50 00-0124 EA Boxes Bankers For Document Restoration.....	20.37	
02 90 50 00-0125 EA Boxes Standard Packout For Document Restoration	5.81	
02 90 50 00-0126 EA Boxes X Ray For Document Restoration	12.76	
02 90 50 00-0127 EA CD Scanning and Diagnostics, Each For Document Restoration	12.76	
02 90 50 00-0128 EA Cleaning Antique Books, Each For Document Restoration.....	382.45	
02 90 50 00-0129 EA Cleaning Catheter Roll, Per Roll For Document Restoration	50.98	
02 90 50 00-0130 EA Cleaning CD And DVD, Per Disc For Document Restoration	5.12	
02 90 50 00-0131 EA Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.06	
02 90 50 00-0132 CF Cleaning Level 1 - Document Per CF For Document Restoration	125.69	
02 90 50 00-0133 EA Cleaning Level 1 - Linen, Each For Document Restoration	4.06	
02 90 50 00-0134 EA Cleaning Level 1 - Mylar, Each For Document Restoration	4.06	
02 90 50 00-0135 EA Cleaning Level 2 - Blue Print, Each For Document Restoration	5.04	
02 90 50 00-0136 CF Cleaning Level 2 - Document Per CF For Document Restoration	188.36	
02 90 50 00-0137 EA Cleaning Level 2 - Linen, Each For Document Restoration	5.04	
02 90 50 00-0138 EA Cleaning Level 2 - Mylar, Each For Document	5.04	
02 90 50 00-0139 EA Cleaning Level 3 - Blue Prints, Each For Document Restoration.....	7.15	
02 90 50 00-0140 CF Cleaning Level 3 - Document Per CF For Document Restoration	251.33	
02 90 50 00-0141 EA Cleaning Level 3 - Linen, Each For Document Restoration	7.15	
02 90 50 00-0142 EA Cleaning Level 3 - Mylar, Each For Document Restoration	7.15	
02 90 50 00-0143 EA Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.02	
02 90 50 00-0144 EA Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.02	
02 90 50 00-0145 EA Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.02	
02 90 50 00-0146 CF Cleaning Level 4 - Light Fire-Documnet Per CF For Document Restoration	314.11	
02 90 50 00-0147 EA Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration.....	11.10	
02 90 50 00-0148 CF Cleaning Level 5 - Severe Fire-Documnet Per CF For Document Restoration.....	471.30	
02 90 50 00-0149 EA Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.10	
02 90 50 00-0150 EA Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration.....	11.10	
02 90 50 00-0151 EA Cleaning Microfiche Sheets, Each For Document Restoration	3.94	
02 90 50 00-0152 EA Cleaning Microfiche Strips, Each For Document Restoration	0.91	
02 90 50 00-0153 EA Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	127.49	
02 90 50 00-0154 EA Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	178.49	
02 90 50 00-0155 EA Cleaning Photographs Negatives, Per Negative For Document Restoration	3.94	
02 90 50 00-0156 EA Cleaning Photographs, Each For Document Restoration	0.91	
02 90 50 00-0157 EA Cleaning Record Albums, Each For Document Restoration	5.12	
02 90 50 00-0158 EA Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	12.76	
02 90 50 00-0159 EA Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	50.98	
02 90 50 00-0160 EA Cleaning X Ray 1-1000, Per Film For Document Restoration.....	5.38	
02 90 50 00-0161 EA Cleaning X Ray 1K-5K, Per Film For Document Restoration.....	4.59	
02 90 50 00-0162 EA Cleaning X Ray 5K-Up, Per Film For Document Restoration.....	3.60	
02 90 50 00-0163 EA Copying Clean Water, Per Page For Document Restoration	0.52	
02 90 50 00-0164 EA Copying Greywater Fire, Per Page For Document Restoration	1.38	
02 90 50 00-0165 CF Deodorization, Vapor Tech For Document Restoration	9.22	
02 90 50 00-0166 CF Disinfectant-Fogging For Document Restoration	17.88	
02 90 50 00-0167 EA Document Disposal In House No Shredding For Document Restoration	71.62	
02 90 50 00-0168 EA Document Disposal In House With Shredding For Document Restoration	19.54	
02 90 50 00-0169 CF Up To 150 CF, Drying-MCS Center For Document Restoration	229.47	
02 90 50 00-0170 CF >150 To 500 CF, Drying-MCS Center For Document Restoration.....	178.49	
02 90 50 00-0171 CF >500 CF, Drying-MCS Center For Document Restoration	152.98	
02 90 50 00-0172 CF >50 To 150 CF, Drying-MCS Center For Document Restoration.....	203.98	
02 90 50 00-0173 CF Up To 500 CF, Drying-Onsite For Document Restoration.....	382.45	
02 90 50 00-0174 CF >500 CF, Drying-Onsite For Document Restoration	234.61	
02 90 50 00-0175 EA Drying Antique Books, Each For Document Restoration	50.98	
02 90 50 00-0176 EA Drying Blue Prints, Each For Document Restoration	6.38	
02 90 50 00-0177 EA DVD Scanning And Diagnostics, Each For Document Restoration	12.76	
02 90 50 00-0178 EA Freeze Drying (In House) For Document Restoration.....	130.69	
02 90 50 00-0179 EA Freeze Drying (Outside) For Document Restoration.....	112.02	
02 90 50 00-0180 EA Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration.....	3,080.55	
02 90 50 00-0181 CF >48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	28.00	
02 90 50 00-0182 EA Minimal Drying Jobs For Document Restoration.....	1,297.56	
02 90 50 00-0183 EA Monthly Storage For Document Restoration.....	233.38	
02 90 50 00-0184 EA Mylar Prints For Document Restoration	12.76	
02 90 50 00-0185 CF Ozoning For Document Restoration	8.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.28
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.12
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration.....	31.35

02 90 55 Emergency Clean-up (02 90)**02 90 55 00-0001 Emergency Clean-up (02 90 55)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0002 Emergency Clean-up Labor (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up.....	60.96
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up	42.67
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up.....	58.67
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up.....	96.01
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up.....	80.01
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up.....	112.01
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up	160.02
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up	117.35
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up	58.42
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up	80.01
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up.....	37.34
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up	60.96
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up	84.71
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up	101.85
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up.....	91.44
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up	66.04
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up.....	64.01
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up.....	52.83
02 90 55 00-0021	HR	Mobilization Support For Emergency Clean Up.....	32.51

02 90 55 00-0022 Emergency Clean-up Equipment (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0023 General Emergency Clean-up Equipment (02 90 55 00-0022)

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	163.58
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	624.03
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	1,708.50
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	54.67
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	146.07
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	403.23
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	100.81
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	257.16
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	606.90
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	555.47
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	1,491.54
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	4,155.75
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	1,254.95
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	3,312.25
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	8,928.68
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	90.52
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	257.16
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	884.64
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	84.35
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	226.30
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	586.33
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	134.96
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	385.13
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	1,076.38
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	958.72
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,876.15
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,628.44
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up.....	98.75
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up.....	222.19
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up.....	592.50
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up.....	123.44
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up.....	277.74
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up.....	740.63
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up.....	92.58
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	131.67
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	360.03
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	1,008.08
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	160.47
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	545.18
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	1,038.94
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	154.91

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0065 WK Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	426.01	
02 90 55 00-0066 MO Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	1,161.83	
02 90 55 00-0067 DAY Extension Cords - 220 Volt For Emergency Clean-up	51.43	
02 90 55 00-0068 DAY Extension Cords - 220 Volt Converter Box For Emergency Clean-up	30.86	
02 90 55 00-0069 DAY Demolition Cart, 1 Yard For Emergency Clean-up.....	82.29	
02 90 55 00-0070 WK Demolition Cart, 1 Yard For Emergency Clean-up.....	226.30	
02 90 55 00-0071 MO Demolition Cart, 1 Yard For Emergency Clean-up.....	617.19	
02 90 55 00-0072 DAY Demolition Cart, 1-1/2 Yard For Emergency Clean-up	102.86	
02 90 55 00-0073 WK Demolition Cart, 1-1/2 Yard For Emergency Clean-up	282.88	
02 90 55 00-0074 MO Demolition Cart, 1-1/2 Yard For Emergency Clean-up	771.49	
02 90 55 00-0075 EA Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	154.30	
02 90 55 00-0076 DAY Dry-Ice Blasting System For Emergency Clean-up.....	1,817.52	
02 90 55 00-0077 DAY Fogger - Mist For Emergency Clean-up.....	45.56	
02 90 55 00-0078 WK Fogger - Mist For Emergency Clean-up.....	125.30	
02 90 55 00-0079 MO Fogger - Mist For Emergency Clean-up.....	341.72	
02 90 55 00-0080 DAY Fogger - Electric Thermal For Emergency Clean-up	65.61	
02 90 55 00-0081 WK Fogger - Electric Thermal For Emergency Clean-up	180.43	
02 90 55 00-0082 MO Fogger - Electric Thermal For Emergency Clean-up	492.07	
02 90 55 00-0083 DAY Fogger - Gas Power Thermal For Emergency Clean-up.....	189.77	
02 90 55 00-0084 WK Fogger - Gas Power Thermal For Emergency Clean-up.....	521.86	
02 90 55 00-0085 MO Fogger - Gas Power Thermal For Emergency Clean-up.....	1,423.24	
02 90 55 00-0086 EA Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	216.96	
02 90 55 00-0087 WK Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	596.65	
02 90 55 00-0088 MO Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,627.22	
02 90 55 00-0089 DAY Hand Trucks/Dollies For Emergency Clean-up.....	24.69	
02 90 55 00-0090 WK Hand Trucks/Dollies For Emergency Clean-up.....	67.89	
02 90 55 00-0091 MO Hand Trucks/Dollies For Emergency Clean-up.....	185.16	
02 90 55 00-0092 DAY Heat Gun - Shrink Wrap For Emergency Clean-up.....	140.02	
02 90 55 00-0093 WK Heat Gun - Shrinkwrap For Emergency Clean-up	385.07	
02 90 55 00-0094 MO Heat Gun - Shrinkwrap For Emergency Clean-up	1,050.19	
02 90 55 00-0095 DAY High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up	190.93	
Note: Includes all filters.		
02 90 55 00-0096 DAY Ladder For Emergency Clean-up.....	34.97	
02 90 55 00-0097 DAY Lights - Demo, Drop, Stand, String For Emergency Clean-up	32.80	
02 90 55 00-0098 DAY Lights - Wobble For Emergency Clean-up.....	40.09	
02 90 55 00-0099 DAY Moisture Meter For Emergency Clean-up.....	54.67	
02 90 55 00-0100 WK Moisture Meter For Emergency Clean-up.....	150.36	
02 90 55 00-0101 MO Moisture Meter For Emergency Clean-up.....	410.06	
02 90 55 00-0102 DAY Nail Gun For Emergency Clean-up.....	92.58	
02 90 55 00-0103 WK Nail Gun For Emergency Clean-up.....	254.59	
02 90 55 00-0104 MO Nail Gun For Emergency Clean-up.....	694.34	
02 90 55 00-0105 DAY Ozone Generator For Emergency Clean-up	227.81	
02 90 55 00-0106 DAY PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	123.44	
02 90 55 00-0107 DAY Portable Generator, Up To 7,500 Watt For Emergency Clean-up	182.25	
02 90 55 00-0108 DAY Pressure Washer, Hot For Emergency Clean-up.....	273.37	
02 90 55 00-0109 DAY Pressure Washer, Cold For Emergency Clean-up.....	182.25	
02 90 55 00-0110 DAY Scaffolding - Per Section For Emergency Clean-up	133.72	
02 90 55 00-0111 DAY Small Tools - Tool Box For Emergency Clean-up.....	51.43	
02 90 55 00-0112 DAY Soda Blasting Equipment For Emergency Clean-up.....	1,803.52	
02 90 55 00-0113 DAY Sprayer - Hudson For Emergency Clean-up	16.46	
02 90 55 00-0114 WK Sprayer - Hudson For Emergency Clean-up.....	45.26	
02 90 55 00-0115 MO Sprayer - Hudson For Emergency Clean-up.....	123.44	
02 90 55 00-0116 DAY 0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	111.18	
02 90 55 00-0117 WK 0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	327.11	
02 90 55 00-0118 MO 0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	1,119.62	
02 90 55 00-0119 DAY 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	219.23	
02 90 55 00-0120 WK 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	516.75	
02 90 55 00-0121 MO 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,440.64	
02 90 55 00-0122 DAY 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	234.88	
02 90 55 00-0123 WK 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	587.22	
02 90 55 00-0124 MO 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,581.57	
02 90 55 00-0125 DAY Storage Space (Per SF Per Day) For Emergency Clean-up.....	4.52	
02 90 55 00-0126 DAY Submersible Pump For Emergency Clean-up.....	45.56	
02 90 55 00-0127 DAY Trash Pump - 2" Gas Powered For Emergency Clean-up	259.51	
02 90 55 00-0128 DAY Vehicle, Pick-up, SUV, Car For Emergency Clean-up.....	128.82	
02 90 55 00-0129 DAY Vehicle, Van For Emergency Clean-up.....	210.04	
02 90 55 00-0130 DAY 16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	263.56	
Note: Includes Mileage		
02 90 55 00-0131 DAY Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	279.12	
02 90 55 00-0132 DAY Utility Trailer For Emergency Clean-up.....	232.44	
Note: Includes Mileage		
02 90 55 00-0133 DAY Truck Mount, Per Wand Extraction For Emergency Clean-up	1,048.32	
02 90 55 00-0134 DAY High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	45.56	
02 90 55 00-0135 WK High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	125.30	
02 90 55 00-0136 MO High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	341.72	
02 90 55 00-0137 DAY 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	154.91	
02 90 55 00-0138 WK 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	426.01	
02 90 55 00-0139 MO 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,161.83	
02 90 55 00-0140 DAY Vacuum - Upright For Emergency Clean-up	30.81	
02 90 55 00-0141 WK Vacuum - Upright For Emergency Clean-up	84.72	
02 90 55 00-0142 MO Vacuum - Upright For Emergency Clean-up	231.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0143 DAY 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	63.78	
02 90 55 00-0144 WK 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	158.41	
02 90 55 00-0145 MO 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	380.60	
02 90 55 00-0146 DAY 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	63.78	
02 90 55 00-0147 WK 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	158.41	
02 90 55 00-0148 MO 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	401.17	
02 90 55 00-0149 DAY 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	146.07	
02 90 55 00-0150 WK 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	390.89	
02 90 55 00-0151 MO 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	1,090.37	
02 90 55 00-0152 DAY Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	45.56	
02 90 55 00-0153 WK Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	125.30	
02 90 55 00-0154 MO Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	341.72	
02 90 55 00-0155 DAY 10' x 10' Canopy For Emergency Clean-up	129.61	
02 90 55 00-0156 WK 10' x 10' Canopy For Emergency Clean-up	259.22	
02 90 55 00-0157 MO 10' x 10' Canopy For Emergency Clean-up	518.44	
02 90 55 00-0158 DAY 10' x 20' Canopy For Emergency Clean-up	259.22	
02 90 55 00-0159 WK 10' x 20' Canopy For Emergency Clean-up	518.44	
02 90 55 00-0160 MO 10' x 20' Canopy For Emergency Clean-up	1,036.88	
02 90 55 00-0161 DAY 16' x 16' Canopy For Emergency Clean-up	325.05	
02 90 55 00-0162 WK 16' x 16' Canopy For Emergency Clean-up	650.11	
02 90 55 00-0163 MO 16' x 16' Canopy For Emergency Clean-up	1,300.21	
02 90 55 00-0164 DAY 20' x 20' Canopy For Emergency Clean-up	432.03	
02 90 55 00-0165 WK 20' x 20' Canopy For Emergency Clean-up	864.07	
02 90 55 00-0166 MO 20' x 20' Canopy For Emergency Clean-up	1,728.13	
02 90 55 00-0167 DAY 20' x 30' Canopy For Emergency Clean-up	493.75	
02 90 55 00-0168 WK 20' x 30' Canopy For Emergency Clean-up	987.50	
02 90 55 00-0169 MO 20' x 30' Canopy For Emergency Clean-up	1,975.01	
02 90 55 00-0170 DAY 20' x 40' Canopy For Emergency Clean-up	576.04	
02 90 55 00-0171 WK 20' x 40' Canopy For Emergency Clean-up	1,152.09	
02 90 55 00-0172 MO 20' x 40' Canopy For Emergency Clean-up	2,304.18	
02 90 55 00-0173 DAY First Aid Station For Emergency Clean-up	311.06	
02 90 55 00-0174 WK First Aid Station For Emergency Clean-up	855.43	
02 90 55 00-0175 MO First Aid Station For Emergency Clean-up	2,332.98	
02 90 55 00-0176 DAY Portable Eyewash Station For Emergency Clean-up	94.47	
02 90 55 00-0177 WK Portable Eyewash Station For Emergency Clean-up	259.80	
02 90 55 00-0178 MO Portable Eyewash Station For Emergency Clean-up	708.53	
02 90 55 00-0179 DAY 2 Way Radio For Emergency Clean-up	39.21	

02 90 55 00-0180 Technical/Electronics Restoration Equipment (02 90 55 00-0022)

02 90 55 00-0181 DAY Computer - Diagnostic For Emergency Clean-up	51.43	
02 90 55 00-0182 WK Computer - Diagnostic For Emergency Clean-up	141.44	
02 90 55 00-0183 MO Computer - Diagnostic For Emergency Clean-up	385.74	
02 90 55 00-0184 DAY Convection Oven - Large For Emergency Clean-up	814.95	
02 90 55 00-0185 WK Convection Oven - Large For Emergency Clean-up	2,241.10	
02 90 55 00-0186 MO Convection Oven - Large For Emergency Clean-up	6,112.09	
02 90 55 00-0187 DAY Convection Oven - Small For Emergency Clean-up	185.16	
02 90 55 00-0188 WK Convection Oven - Small For Emergency Clean-up	509.18	
02 90 55 00-0189 MO Convection Oven - Small For Emergency Clean-up	1,388.68	
02 90 55 00-0190 DAY Convection Oven - Vacuum For Emergency Clean-up	1,163.14	
02 90 55 00-0191 WK Convection Oven - Vacuum For Emergency Clean-up	3,198.64	
02 90 55 00-0192 MO Convection Oven - Vacuum For Emergency Clean-up	8,723.56	
02 90 55 00-0193 DAY Decontamination Booth For Emergency Clean-up	961.50	
02 90 55 00-0194 WK Decontamination Booth For Emergency Clean-up	2,644.14	
02 90 55 00-0195 MO Decontamination Booth For Emergency Clean-up	7,211.29	
02 90 55 00-0196 DAY DI Water System For Emergency Clean-up	74.68	
02 90 55 00-0197 WK DI Water System For Emergency Clean-up	205.37	
02 90 55 00-0198 MO DI Water System For Emergency Clean-up	560.10	
02 90 55 00-0199 DAY ESD Bench Workstation For Emergency Clean-up	45.74	
02 90 55 00-0200 WK ESD Bench Workstation For Emergency Clean-up	125.79	
02 90 55 00-0201 MO ESD Bench Workstation For Emergency Clean-up	343.06	
02 90 55 00-0202 DAY Heater/Enclosure Control System For Emergency Clean-up	30.86	
02 90 55 00-0203 WK Heater/Enclosure Control System For Emergency Clean-up	84.86	
02 90 55 00-0204 MO Heater/Enclosure Control System For Emergency Clean-up	231.45	
02 90 55 00-0205 DAY Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	117.62	
02 90 55 00-0206 WK Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	323.46	
02 90 55 00-0207 MO Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	882.16	
02 90 55 00-0208 DAY Micro-Blaster/Dust Collector For Emergency Clean-up	462.89	
02 90 55 00-0209 WK Micro-Blaster/Dust Collector For Emergency Clean-up	1,272.95	
02 90 55 00-0210 MO Micro-Blaster/Dust Collector For Emergency Clean-up	3,471.69	
02 90 55 00-0211 DAY Mobile Laboratory For Emergency Clean-up	1,285.81	
02 90 55 00-0212 WK Mobile Laboratory For Emergency Clean-up	3,535.98	
02 90 55 00-0213 MO Mobile Laboratory For Emergency Clean-up	9,643.59	
02 90 55 00-0214 DAY Nitrogen Enclosure Cabinet For Emergency Clean-up	24.69	
02 90 55 00-0215 WK Nitrogen Enclosure Cabinet For Emergency Clean-up	67.89	
02 90 55 00-0216 MO Nitrogen Enclosure Cabinet For Emergency Clean-up	185.16	
02 90 55 00-0217 DAY Odell Cleaning Station For Emergency Clean-up	720.06	
02 90 55 00-0218 WK Odell Cleaning Station For Emergency Clean-up	1,980.15	
02 90 55 00-0219 MO Odell Cleaning Station For Emergency Clean-up	5,400.41	
02 90 55 00-0220 DAY Parts Washer For Emergency Clean-up	51.43	
02 90 55 00-0221 WK Parts Washer For Emergency Clean-up	141.44	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0222 MO Parts Washer For Emergency Clean-up	385.74	
02 90 55 00-0223 DAY Ultrasonic Cleaning System For Emergency Clean-up	350.06	
02 90 55 00-0224 WK Ultrasonic Cleaning System For Emergency Clean-up	962.67	
02 90 55 00-0225 MO Ultrasonic Cleaning System For Emergency Clean-up	2,625.47	
02 90 55 00-0226 DAY Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	154.91	
02 90 55 00-0227 WK Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	426.01	
02 90 55 00-0228 MO Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,161.83	
02 90 55 00-0229 Drying/Dehumidification Equipment (02 90 55 00-0022)		
02 90 55 00-0230 DAY 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	227.81	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0231 WK 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	626.48	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0232 MO 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	1,708.58	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0233 DAY 2,200 CFM Centrifugal Air Mover For Emergency Clean-up	57.23	
02 90 55 00-0234 WK 2,200 CFM Centrifugal Air Mover For Emergency Clean-up	157.38	
02 90 55 00-0235 MO 2,200 CFM Centrifugal Air Mover For Emergency Clean-up	429.23	
02 90 55 00-0236 DAY 3,000 CFM Axial Air Mover For Emergency Clean-up	95.38	
02 90 55 00-0237 WK 3,000 CFM Axial Air Mover For Emergency Clean-up	262.31	
02 90 55 00-0238 MO 3,000 CFM Axial Air Mover For Emergency Clean-up	715.39	
02 90 55 00-0239 DAY Injectidry System For Emergency Clean-up	282.49	
02 90 55 00-0240 WK Injectidry System For Emergency Clean-up	776.83	
02 90 55 00-0241 MO Injectidry System For Emergency Clean-up	2,118.64	
02 90 55 00-0242 DAY Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	182.25	
02 90 55 00-0243 WK Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	501.18	
02 90 55 00-0244 MO Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,366.86	
02 90 55 00-0245 DAY >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	257.16	
02 90 55 00-0246 WK >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	707.20	
02 90 55 00-0247 MO >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,928.72	
02 90 55 00-0248 DAY >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	251.68	
02 90 55 00-0249 WK >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	692.11	
02 90 55 00-0250 MO >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,887.57	
02 90 55 00-0251 DAY Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	269.03	
02 90 55 00-0252 WK Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	739.84	
02 90 55 00-0253 MO Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	2,017.75	
02 90 55 00-0254 DAY Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	269.03	
02 90 55 00-0255 WK Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	739.84	
02 90 55 00-0256 MO Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	2,017.75	
02 90 55 00-0257 DAY D-500 Desiccant Dehumidifier For Emergency Clean-up	303.75	
02 90 55 00-0258 WK D-500 Desiccant Dehumidifier For Emergency Clean-up	835.31	
02 90 55 00-0259 MO D-500 Desiccant Dehumidifier For Emergency Clean-up	2,278.11	
02 90 55 00-0260 DAY D-750 Desiccant Dehumidifier For Emergency Clean-up	637.87	
02 90 55 00-0261 WK D-750 Desiccant Dehumidifier For Emergency Clean-up	1,754.14	
02 90 55 00-0262 MO D-750 Desiccant Dehumidifier For Emergency Clean-up	4,784.02	
02 90 55 00-0263 DAY D-1000 Desiccant Dehumidifier For Emergency Clean-up	1,093.49	
02 90 55 00-0264 WK D-1000 Desiccant Dehumidifier For Emergency Clean-up	3,007.10	
02 90 55 00-0265 MO D-1000 Desiccant Dehumidifier For Emergency Clean-up	8,201.18	
02 90 55 00-0266 DAY D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,683.63	
02 90 55 00-0267 WK D-1500 Desiccant Dehumidifier For Emergency Clean-up	4,629.98	
02 90 55 00-0268 MO D-1500 Desiccant Dehumidifier For Emergency Clean-up	12,627.22	
02 90 55 00-0269 DAY D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,683.63	
02 90 55 00-0270 WK D-2000 Desiccant Dehumidifier For Emergency Clean-up	4,629.98	
02 90 55 00-0271 MO D-2000 Desiccant Dehumidifier For Emergency Clean-up	12,627.22	
02 90 55 00-0272 DAY D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,758.26	
02 90 55 00-0273 WK D-2250 Desiccant Dehumidifier For Emergency Clean-up	4,835.23	
02 90 55 00-0274 MO D-2250 Desiccant Dehumidifier For Emergency Clean-up	13,186.98	
02 90 55 00-0275 DAY D-3000 Desiccant Dehumidifier For Emergency Clean-up	2,186.98	
02 90 55 00-0276 WK D-3000 Desiccant Dehumidifier For Emergency Clean-up	6,014.20	
02 90 55 00-0277 MO D-3000 Desiccant Dehumidifier For Emergency Clean-up	16,402.36	
02 90 55 00-0278 DAY D-4500 Desiccant Dehumidifier For Emergency Clean-up	2,460.35	
02 90 55 00-0279 WK D-4500 Desiccant Dehumidifier For Emergency Clean-up	6,765.98	
02 90 55 00-0280 MO D-4500 Desiccant Dehumidifier For Emergency Clean-up	18,452.66	
02 90 55 00-0281 DAY D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,642.60	
02 90 55 00-0282 WK D-5000 Desiccant Dehumidifier For Emergency Clean-up	7,267.16	
02 90 55 00-0283 MO D-5000 Desiccant Dehumidifier For Emergency Clean-up	19,819.52	
02 90 55 00-0284 DAY D-9000 Desiccant Dehumidifier For Emergency Clean-up	3,471.40	
02 90 55 00-0285 WK D-9000 Desiccant Dehumidifier For Emergency Clean-up	9,546.35	
02 90 55 00-0286 MO D-9000 Desiccant Dehumidifier For Emergency Clean-up	26,035.50	
02 90 55 00-0287 DAY D-10500 Desiccant Dehumidifier For Emergency Clean-up	3,644.97	
02 90 55 00-0288 WK D-10500 Desiccant Dehumidifier For Emergency Clean-up	10,023.67	
02 90 55 00-0289 MO D-10500 Desiccant Dehumidifier For Emergency Clean-up	27,337.28	
02 90 55 00-0290 DAY 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	637.11	
02 90 55 00-0291 WK 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,752.06	
02 90 55 00-0292 MO 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,778.35	
02 90 55 00-0293 DAY 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	882.16	
02 90 55 00-0294 WK 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,425.93	
02 90 55 00-0295 MO 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,616.18	
02 90 55 00-0296 DAY 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,093.49	
02 90 55 00-0297 WK 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,007.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0298 MO 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	8,201.18	
02 90 55 00-0299 DAY 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,457.99	
02 90 55 00-0300 WK 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,009.47	
02 90 55 00-0301 MO 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	10,934.91	
02 90 55 00-0302 DAY 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,460.35	
02 90 55 00-0303 WK 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,765.98	
02 90 55 00-0304 MO 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	18,452.66	
02 90 55 00-0305 DAY 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,733.73	
02 90 55 00-0306 WK 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	7,517.75	
02 90 55 00-0307 MO 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	20,502.96	
02 90 55 00-0308 DAY 25' Flex Duct For Emergency Clean-up.....	36.45	
02 90 55 00-0309 WK 25' Flex Duct For Emergency Clean-up.....	100.24	
02 90 55 00-0310 MO 25' Flex Duct For Emergency Clean-up.....	273.37	
02 90 55 00-0311 DAY Hygrothermograph For Emergency Clean-up.....	51.43	
02 90 55 00-0312 WK Hygrothermograph For Emergency Clean-up.....	141.44	
02 90 55 00-0313 MO Hygrothermograph For Emergency Clean-up.....	385.74	
02 90 55 00-0314 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	9,224.71	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0315 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	25,367.95	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0316 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	69,185.32	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0317 Power Equipment (02 90 55 00-0022)		
02 90 55 00-0318 WK Up to 65 KVA Generator For Emergency Clean-up.....	1,213.55	
02 90 55 00-0319 WK >65 to 125 KVA Generator For Emergency Clean-up.....	2,053.70	
02 90 55 00-0320 WK >125 to 250 KVA Generator For Emergency Clean-up.....	2,003.08	
02 90 55 00-0321 WK >250 to 375 KVA Generator For Emergency Clean-up.....	3,453.95	
02 90 55 00-0322 WK >375 Up to 440 KVA Generator For Emergency Clean-up.....	4,667.50	
02 90 55 00-0323 WK >440 to 625 KVA Generator For Emergency Clean-up.....	7,028.35	
02 90 55 00-0324 WK >625 to 800 KVA Generator For Emergency Clean-up.....	7,187.95	
02 90 55 00-0325 WK >800 to 1,000 KVA Generator For Emergency Clean-up.....	9,615.05	
02 90 55 00-0326 WK >1,000 to 1,500 KVA Generator For Emergency Clean-up.....	14,469.25	
02 90 55 00-0327 EA Generator Cable/Pigtails (Per Section) For Emergency Clean-up.....	31.37	
02 90 55 00-0328 EA Sub-Distribution Panel (Spider Box) For Emergency Clean-up.....	150.29	
02 90 55 00-0329 EA Electrical Distribution Panel For Emergency Clean-up.....	350.06	
02 90 55 00-0330 EA Quad Box Strings (25' Sections) For Emergency Clean-up.....	56.48	
02 90 55 00-0331 EA 50' Power Cord For Spider Box For Emergency Clean-up.....	52.28	
02 90 55 00-0332 EA Pig Tails (Per Each) For Emergency Clean-up.....	5.14	
02 90 55 00-0333 Freight Charges (02 90 55 00-0022)		
02 90 55 00-0334 MI Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment.....	2.57	
02 90 55 00-0335 MI Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment.....	4.63	
02 90 55 00-0336 MI Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment.....	4.63	
02 90 55 00-0337 MI Freight Tractor Trailer For Emergency Clean-up Equipment.....	6.69	
02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment (02 90 55 00-0001)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0339 EA Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment.....	15.08	
02 90 55 00-0340 EA Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	17.78	
02 90 55 00-0341 EA Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	18.63	
02 90 55 00-0342 EA Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	23.49	
02 90 55 00-0343 EA Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment.....	124.85	
02 90 55 00-0344 EA N95 Respirator For Emergency Clean-up Personal Protection Equipment.....	5.23	
02 90 55 00-0345 EA N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment.....	7.44	
02 90 55 00-0346 PR 3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	49.90	
02 90 55 00-0347 EA Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment.....	39.93	
02 90 55 00-0348 PR P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	49.90	
02 90 55 00-0349 EA Respirator Cartridge For Emergency Clean-up Personal Protection Equipment.....	52.70	
02 90 55 00-0350 BOX Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment.....	58.75	
02 90 55 00-0351 PR Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment.....	4.20	
02 90 55 00-0352 BOX 5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment.....	27.34	
02 90 55 00-0353 PR 4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment.....	0.56	
02 90 55 00-0354 PR 5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment.....	0.47	
02 90 55 00-0355 PR 17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment.....	2.22	
02 90 55 00-0356 PR 15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment.....	5.28	
02 90 55 00-0357 PR Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment.....	7.24	
02 90 55 00-0358 PR 30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment.....	8.11	
02 90 55 00-0359 PR Leather Gloves For Emergency Clean-up Personal Protection Equipment.....	13.68	
02 90 55 00-0360 EA Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment.....	23.35	
02 90 55 00-0361 PR Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	15.22	
02 90 55 00-0362 PR Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	25.10	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0363 PR Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment.....	6.67	
02 90 55 00-0364 EA Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment.....	9.11	
02 90 55 00-0365 Emergency Clean-up Expendables <small>(02 90 55 00-0001)</small>		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0366 General Materials <small>(02 90 55 00-0365)</small>		
02 90 55 00-0367 GAL Adhesive Remover For Emergency Clean-up.....	109.35	
02 90 55 00-0368 GAL Bioside-HS Cleaning Solution For Emergency Clean-up.....	35.07	
02 90 55 00-0369 GAL Biocide Mold Cleaning Solution For Emergency Clean-up.....	44.75	
02 90 55 00-0370 EA 10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up.....	5.76	
02 90 55 00-0371 EA 10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up.....	8.75	
02 90 55 00-0372 EA 10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up.....	8.75	
02 90 55 00-0373 GAL Bleach For Emergency Clean-up.....	11.76	
02 90 55 00-0374 EA Small Stainless Brush For Emergency Clean-up.....	7.47	
02 90 55 00-0375 EA 2-1/2 Gallon Buckets For Emergency Clean-up.....	8.69	
02 90 55 00-0376 EA 5 Gallon Bucket For Emergency Clean-up.....	13.17	
02 90 55 00-0377 GAL Carpet Defoamer For Emergency Clean-up.....	33.87	
02 90 55 00-0378 GAL Carpet Pre-treat For Emergency Clean-up.....	27.63	
02 90 55 00-0379 GAL Carpet Spotter For Emergency Clean-up.....	46.30	
02 90 55 00-0380 GAL Carpet/Upholstery Cleaner For Emergency Clean-up.....	37.34	
02 90 55 00-0381 ROL Carpet Masking/Shield For Emergency Clean-up.....	107.47	
02 90 55 00-0382 EA Chemical Sponge For Emergency Clean-up.....	4.30	
02 90 55 00-0383 GAL Clear Seal For Emergency Clean-up.....	147.02	
02 90 55 00-0384 GAL Coil Cleaner For Emergency Clean-up.....	73.99	
02 90 55 00-0385 EA Decontamination Chamber For Emergency Clean-up.....	321.50	
02 90 55 00-0386 GAL All Purpose Degreaser For Emergency Clean-up.....	48.11	
02 90 55 00-0387 GAL De-Foamer Liquid For Emergency Clean-up.....	63.24	
02 90 55 00-0388 EA Deodorization Membrane For Emergency Clean-up.....	117.94	
02 90 55 00-0389 GAL 9-D-9 Smoke Deodorizer For Emergency Clean-up.....	189.02	
02 90 55 00-0390 LB Deodorizing Gel For Emergency Clean-up.....	44.41	
02 90 55 00-0391 GAL Deodorizing Liquid For Emergency Clean-up.....	62.54	
02 90 55 00-0392 PAIL Deodorizing Block For Emergency Clean-up.....	11.16	
02 90 55 00-0393 GAL Disinfectant/Anti-microbial For Emergency Clean-up.....	115.22	
02 90 55 00-0394 GAL BruClean Disinfectant For Emergency Clean-up.....	37.64	
02 90 55 00-0395 GAL Dryclean For Emergency Clean-up.....	49.14	
02 90 55 00-0396 GAL Duct Sealant Spray For Emergency Clean-up.....	74.06	
02 90 55 00-0397 GAL Antifungal Duct Sealant For Emergency Clean-up.....	106.98	
02 90 55 00-0398 GAL Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up.....	170.46	
02 90 55 00-0399 PR Ear Plugs For Emergency Clean-up Personal Protection Equipment.....	0.67	
02 90 55 00-0400 GAL Encapsulant For Emergency Clean-up.....	122.48	
02 90 55 00-0401 GAL Aftershock Fiberlocke For Emergency Clean-up.....	107.54	
02 90 55 00-0402 GAL IAQ 2500 Fiberlocke For Emergency Clean-up.....	127.03	
02 90 55 00-0403 GAL IAS 6000 Fiberlocke For Emergency Clean-up.....	130.65	
02 90 55 00-0404 ROL Filter Material For Emergency Clean-up.....	288.34	
02 90 55 00-0405 EA Blue Paper Collection Bag Filter For Emergency Clean-up.....	7.77	
02 90 55 00-0406 EA CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	616.71	
02 90 55 00-0407 EA Pre-Filter For Negative Air Machine For Emergency Clean-up.....	2.96	
02 90 55 00-0408 EA Pleated Filter For Negative Air Machine For Emergency Clean-up.....	13.17	
02 90 55 00-0409 EA Charcoal Filter For Negative Air Machine For Emergency Clean-up.....	46.90	
02 90 55 00-0410 EA High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	446.05	
02 90 55 00-0411 EA Pleated Dehumidifier Filter For Emergency Clean-up.....	11.77	
02 90 55 00-0412 GAL Floor Stripper For Emergency Clean-up.....	23.04	
02 90 55 00-0413 GAL Floor Wax For Emergency Clean-up.....	32.92	
02 90 55 00-0414 GAL Fogger (Thermal) For Emergency Clean-up.....	200.48	
02 90 55 00-0415 BOX Furniture Blocks For Emergency Clean-up.....	161.48	
02 90 55 00-0416 EA Furniture Polish, Per 10 Oz Can For Emergency Clean-up.....	21.76	
02 90 55 00-0417 GAL Glass Cleaner For Emergency Clean-up.....	14.51	
02 90 55 00-0418 EA Goof Off Spray, 12 Oz For Emergency Clean-up.....	18.67	
02 90 55 00-0419 EA Halogen Light Bulbs For Emergency Clean-up.....	23.50	
02 90 55 00-0420 QT Hand Sanitizer For Emergency Clean-up.....	11.62	
02 90 55 00-0421 EA Hard Hats For Emergency Clean-up Personal Protection Equipment.....	9.57	
02 90 55 00-0422 BOX Hog Rings, Box Of 2,500 For Emergency Clean-up.....	22.75	
02 90 55 00-0423 GAL HVAC Coal Cleaner For Emergency Clean-up.....	71.32	
02 90 55 00-0424 BOX Inventory Tag, Box Of 1,000 For Emergency Clean-up.....	160.01	
02 90 55 00-0425 EA Utility Knives For Emergency Clean-up.....	18.10	
02 90 55 00-0426 ROL 13" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	137.26	
02 90 55 00-0427 ROL 20" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	144.91	
02 90 55 00-0428 ROL 29" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	288.52	
02 90 55 00-0429 ROL 39" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	417.03	
02 90 55 00-0430 GAL Lemon Oil For Emergency Clean-up.....	58.32	
02 90 55 00-0431 GAL LPS 1/Mecca Lube For Emergency Clean-up.....	59.81	
02 90 55 00-0432 GAL LPS 2 For Emergency Clean-up.....	63.30	
02 90 55 00-0433 GAL LPS Contact Cleaner For Emergency Clean-up.....	63.00	
02 90 55 00-0434 GAL Light Lubricant Preserve For Emergency Clean-up.....	167.03	
02 90 55 00-0435 GAL Heavy Lubricant Preserve For Emergency Clean-up.....	32.92	
02 90 55 00-0436 GAL Machinery Cleaning Solvent For Emergency Clean-up.....	279.21	
02 90 55 00-0437 GAL Metal Polishing Paste For Emergency Clean-up.....	30.92	
02 90 55 00-0438 GAL MediClean® Disinfectant For Emergency Clean-up.....	66.52	
02 90 55 00-0439 GAL Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up.....	81.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0440 EA Mop Heads For Emergency Clean-up	10.36	
02 90 55 00-0441 EA Nylon Scouring Pads For Emergency Clean-up	1.81	
02 90 55 00-0442 GAL Odor Neutralizer For Emergency Clean-up	46.30	
02 90 55 00-0443 EA Packing Paper, 25 LB Bundle For Emergency Clean-up	83.21	
02 90 55 00-0444 EA Paint Brushes For Emergency Clean-up	8.23	
02 90 55 00-0445 ROL Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	194.05	
02 90 55 00-0446 EA Putty Knives For Emergency Clean-up	7.46	
02 90 55 00-0447 ROL Red Resin Paper, 200' Roll For Emergency Clean-up	42.34	
02 90 55 00-0448 GAL Reodorant For Emergency Clean-up	139.90	
02 90 55 00-0449 GAL Restoracide For Emergency Clean-up	65.62	
02 90 55 00-0450 GAL Rust Remover For Emergency Clean-up	102.06	
02 90 55 00-0451 EA Saltesmo Test Samples For Emergency Clean-up	9.48	
02 90 55 00-0452 EA Sand Bag For Emergency Clean-up	2.49	
Note: Excludes sand material		
02 90 55 00-0453 EA Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	33.32	
02 90 55 00-0454 EA Small Scrub Brushes For Emergency Clean-up	17.18	
02 90 55 00-0455 GAL Clear Soot Sealant For Emergency Clean-up	118.36	
02 90 55 00-0456 GAL Pigmented Soot Sealant For Emergency Clean-up	319.20	
02 90 55 00-0457 ROL Shrinkwrap Plastic For Emergency Clean-up	73.48	
02 90 55 00-0458 EA Dry Sponges For Emergency Clean-up	5.97	
02 90 55 00-0459 EA Spray Adhesive, Per Can For Emergency Clean-up	7.66	
02 90 55 00-0460 EA Spray Bot./Trigger For Emergency Clean-up	6.35	
02 90 55 00-0461 GAL Stain Remover For Emergency Clean-up	41.82	
02 90 55 00-0462 GAL Stainless Steel Cleaner For Emergency Clean-up	14.44	
02 90 55 00-0463 EA Stainless Steel Polish, Per Can For Emergency Clean-up	18.95	
02 90 55 00-0464 LB Sweeping Compound For Emergency Clean-up	0.68	
02 90 55 00-0465 ROL Duct Tape, 2" x 50 YD For Emergency Clean-up	15.00	
02 90 55 00-0466 ROL Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	14.11	
02 90 55 00-0467 ROL HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	36.21	
02 90 55 00-0468 ROL Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	20.08	
02 90 55 00-0469 ROL Poly Box Tape, 2" x 110 YD For Emergency Clean-up	6.19	
02 90 55 00-0470 LB Terry Towels For Emergency Clean-up	8.48	
02 90 55 00-0471 GAL Thermal Fog For Emergency Clean-up	94.10	
02 90 55 00-0472 ROL 1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	46.66	
02 90 55 00-0473 ROL 3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	109.04	
02 90 55 00-0474 ROL 4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	139.90	
02 90 55 00-0475 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	186.07	
02 90 55 00-0476 EA Trisodium Phosphate, 20 LB Pail For Emergency Clean-up	60.06	
02 90 55 00-0477 EA Backpack Vacuum Bags For Emergency Clean-up	2.02	
02 90 55 00-0478 EA Upright Vacuum Bags For Emergency Clean-up	2.70	
02 90 55 00-0479 GAL Vinyl And Leather Cleaner For Emergency Clean-up	37.34	
02 90 55 00-0480 ROL 1 Mil Visqueen, 12' x 400', For Emergency Clean-up	60.44	
02 90 55 00-0481 ROL 4 Mil Visqueen, 32' x 100', For Emergency Clean-up	164.13	
02 90 55 00-0482 ROL 6 Mil Visqueen, 32' x 400', For Emergency Clean-up	223.95	
02 90 55 00-0483 LB Wipes, Cotton Cloth For Emergency Clean-up	6.35	
02 90 55 00-0484 ROL 12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	184.33	
02 90 55 00-0485 EA Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.67	
02 90 55 00-0486 EA Zip Wall Zippers For Emergency Clean-up	27.98	
02 90 55 00-0487 EA Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll	33.53	
Note: 3.3 gallon volume absorption capacity per roll		
02 90 55 00-0488 EA Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100	50.29	
Note: 26 OZ volume absorption capacity per pad		
02 90 55 00-0489 EA Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100	52.99	
Note: 33 OZ volume absorption capacity per pad		
02 90 55 00-0490 EA Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100	86.52	
Note: 45 OZ volume absorption capacity per pad		
02 90 55 00-0491 Technical/Electronics Restoration Materials (02 90 55 00-0365)		
02 90 55 00-0492 EA Brush - Brass For Emergency Clean-up	6.17	
02 90 55 00-0493 EA 1" Brush, Natural Bristle For Emergency Clean-up	1.98	
02 90 55 00-0494 EA 1/2" Brush, Natural Bristle For Emergency Clean-up	1.65	
02 90 55 00-0495 EA 1/4" Brush, Natural Bristle For Emergency Clean-up	1.40	
02 90 55 00-0496 EA Brush - Parts For Emergency Clean-up	8.56	
02 90 55 00-0497 EA Brush - Plastic For Emergency Clean-up	4.44	
02 90 55 00-0498 EA Brush - Wire Grout For Emergency Clean-up	9.80	
02 90 55 00-0499 EA Brushing Tool For Emergency Clean-up	18.90	
02 90 55 00-0500 EA Cleaning Swabs, Cotton For Emergency Clean-up	0.41	
02 90 55 00-0501 EA Cleaning Swabs, Foam Tip For Emergency Clean-up	0.49	
02 90 55 00-0502 EA Contact Restorer, Per Can For Emergency Clean-up	37.42	
02 90 55 00-0503 EA Contact Spray, Per Can For Emergency Clean-up	25.46	
02 90 55 00-0504 UNT Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.95	
02 90 55 00-0505 UNT Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	11.32	
02 90 55 00-0506 UNT Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	14.66	
02 90 55 00-0507 LB Cotton Cleaning Cloths For Emergency Clean-up	23.14	
02 90 55 00-0508 EA 12" x 17" Dust Cloths For Emergency Clean-up	0.37	
02 90 55 00-0509 EA 24" x 24" Dust Cloths For Emergency Clean-up	1.01	
02 90 55 00-0510 EA Deoxidizing Agent, Per Can For Emergency Clean-up	18.13	
02 90 55 00-0511 GAL Electronic Grade Detergent For Emergency Clean-up	42.01	
02 90 55 00-0512 SHT Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0513 GAL Isopropyl Alcohol For Emergency Clean-up	111.32	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0514 GAL Lubrication/Penetrating Oil, Per Can For Emergency Clean-up.....	168.42	
02 90 55 00-0515 GAL PC Board Detergent For Emergency Clean-up.....	105.69	
02 90 55 00-0516 GAL Rust Inhibitor, Regular Duty For Emergency Clean-up.....	180.43	
02 90 55 00-0517 GAL Rust Inhibitor, Moderate Duty For Emergency Clean-up.....	181.78	
02 90 55 00-0518 GAL Rust Inhibitor, Severe Duty For Emergency Clean-up.....	194.30	
02 90 55 00-0519 LB Wipes, Lint Free Cloths For Emergency Clean-up.....	7.34	
02 90 55 00-0520 EA Wire Marker Card For Emergency Clean-up.....	2.88	
02 90 55 00-0521 EA Steel Wool, 16 Pad Sleeve For Emergency Clean-up.....	1.58	

END OF SECTION 02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 Concrete

03 01 Maintenance of Concrete ⁽⁰³⁾

03 01 30 Maintenance of Cast-In-Place Concrete ^(03 01)

03 01 30 51 Cleaning of Cast-In-Place Concrete ^(03 01 30)

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51) Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.71
	For Up To 100, Add	3.04
	For >100 To 250, Add	0.76
	For >250 To 500, Add	0.38
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000, Deduct	-0.15
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	5.24
	For Up To 100, Add	6.10
	For >100 To 250, Add	1.53
	For >250 To 500, Add	0.76
	For >5,000 To 10,000, Deduct	-0.15
	For >10,000, Deduct	-0.31

03 01 30 71 Rehabilitation of Cast-In-Place Concrete ^(03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71) See CSI section 09 01 90 52-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.32
03 01 30 71-0005	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	26.23
03 01 30 71-0006	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate).....	0.70
03 01 30 71-0007	Verticals Or Overheads ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	10.76
03 01 30 71-0009	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	33.89
03 01 30 71-0010	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	38.69
03 01 30 71-0011	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	8.88
03 01 30 71-0012	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound	15.74
	Note: Rapid Set - WunderFixx	
03 01 30 71-0013	Circular Piers ^(03 01 30 71-0002)	
03 01 30 71-0014	SF Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	12.29
03 01 30 71-0015	SF Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound.....	21.20
	Note: Rapid Set - WunderFixx	
03 01 30 71-0016	Bridge Deck Treatment ^(03 01 30 71-0002)	
03 01 30 71-0017	SF Sweep Bridge Deck	0.02
03 01 30 71-0018	SF Clean Bridge Deck.....	0.03
03 01 30 71-0019	SF Treat Bridge Deck With Methacrylate Resin Sealant	2.22
03 01 30 71-0020	Concrete Finishes ^(03 01 30 71-0001)	
03 01 30 71-0021	Concrete Patching ^(03 01 30 71-0020)	
03 01 30 71-0022	Walls ^(03 01 30 71-0021)	
03 01 30 71-0023	BAG Sika Top 111 Plus.....	172.40
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	63.45
	For >10 To 25, Add	38.07
	For >25 To 50, Add	25.38
	For >50 To 75, Add	12.69
03 01 30 71-0024	BAG Sika Grout 212, 50 LB Bag.....	118.27
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	40.17
	For >10 To 25, Add	24.10
	For >25 To 50, Add	16.07
	For >50 To 75, Add	8.03

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0025	EA	Sika Flex 1A, 10.3 Ounce Tube..... Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	39.74	
03 01 30 71-0026	BAG	Pea Gravel.....	30.25	
03 01 30 71-0027		Crack Repair For Concrete (03 01 30 71-0001)		
03 01 30 71-0028		Non-Structural Crack Repair For Concrete (03 01 30 71-0027)		
03 01 30 71-0029		Surface Applied, Non-Structural Crack Repair For Concrete (03 01 30 71-0028) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0030	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)..... <i>For V-Grooving Crack With Grinder, Add</i>	6.10 4.86	
03 01 30 71-0031	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)..... <i>For V-Grooving Crack With Grinder, Add</i>	8.01 4.75	
03 01 30 71-0032	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)..... <i>For V-Grooving Crack With Grinder, Add</i>	6.24 4.86	
03 01 30 71-0033	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)..... <i>For V-Grooving Crack With Grinder, Add</i>	8.28 4.75	
03 01 30 71-0034	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)..... <i>For V-Grooving Crack With Grinder, Add</i>	6.74 4.86	
03 01 30 71-0035	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)..... <i>For V-Grooving Crack With Grinder, Add</i>	9.29 4.75	
03 01 30 71-0036	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)..... <i>For V-Grooving Crack With Grinder, Add</i>	7.11 4.86	
03 01 30 71-0037	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)..... <i>For V-Grooving Crack With Grinder, Add</i>	10.02 4.75	
03 01 30 71-0038		Pressure Injected, Non-Structural Crack Repair For Concrete (03 01 30 71-0028) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0039	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)..... <i>For Cracks Accessible From Both Sides, Add</i>	28.75 5.86	
03 01 30 71-0040		Structural Crack Repair For Concrete (03 01 30 71-0027)		
03 01 30 71-0041		Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0040) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0042	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)..... <i>For V-Grooving Crack With Grinder, Add</i>	7.20 4.86	
03 01 30 71-0043	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)..... <i>For V-Grooving Crack With Grinder, Add</i>	10.21 4.75	
03 01 30 71-0044	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)..... <i>For V-Grooving Crack With Grinder, Add</i>	7.01 4.86	
03 01 30 71-0045	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)..... <i>For V-Grooving Crack With Grinder, Add</i>	9.82 4.75	
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)..... <i>For V-Grooving Crack With Grinder, Add</i>	8.64 4.86	
03 01 30 71-0047	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)..... <i>For V-Grooving Crack With Grinder, Add</i>	13.10 4.75	
03 01 30 71-0048		Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0040) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0049	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)..... <i>For Cracks Accessible From Both Sides, Add</i>	24.81 5.86	
03 01 30 71-0050	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)..... <i>For Cracks Accessible From Both Sides, Add</i>	24.62 5.86	



Concrete	03	03
Maintenance of Concrete	03 01	
Maintenance of Cast-In-Place Concrete	03 01 30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 01 30 71-0051	Pool Deck Texture Repair <small>(03 01 30 71-0001)</small>	
03 01 30 71-0052	SF Pool Deck Texture Repair.....	19.17
	Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.	

03 01 30 71-0053	Carbon Fiber Strengthening System <small>(03 01 30 71-0001)</small>	
	Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.	
03 01 30 71-0054	SF Carbon Fiber Strengthening System For Concrete Beams, Per Layer	88.71
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0055	SF Carbon Fiber Strengthening System For Concrete Columns, Per Layer	78.48
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0056	SF Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer	72.73
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0057	SF Carbon Fiber Strengthening System For Concrete Walls, Per Layer.....	69.53
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0058	SF Carbon Fiber Strengthening System For Concrete Slab, Per Layer	65.05
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	

03 01 30 71-0059	Corrosive Inhibitor <small>(03 01 30 71)</small>	
03 01 30 71-0060	SF Corrosive Inhibitor.....	5.98

03 01 30 72 Strengthening Of Cast-in-Place Concrete (03 01 30)

03 01 30 72-0001	Concrete Surface Repairs <small>(03 01 30 72)</small>	
03 01 30 72-0002	SF Sound The Concrete Surface To Locate Delaminated Areas	0.37

03 05 Common Work Results For Concrete (03)

03 05 13 Concrete Admixtures (03 05)

03 05 13 00-0001	Concrete Admixtures <small>(03 05 13)</small>	
03 05 13 00-0002	CY Low Range Water Reducing (LRWR), Type A Concrete Admixture	10.47
03 05 13 00-0003	CY Set Retarding, Type B Concrete Admixture.....	7.25
03 05 13 00-0004	CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	11.28
03 05 13 00-0005	CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	22.56
03 05 13 00-0006	CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	20.14
03 05 13 00-0007	CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	40.28
03 05 13 00-0008	CY 1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	8.70
03 05 13 00-0009	CY 2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	16.96
03 05 13 00-0010	CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	12.08
03 05 13 00-0011	CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	24.17
03 05 13 00-0012	CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	8.06
03 05 13 00-0013	CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	19.33
03 05 13 00-0014	CY 1 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	17.19
03 05 13 00-0015	CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	25.78
03 05 13 00-0016	CY 25 LB/CY Steel Fibers, Concrete Admixture.....	42.43
03 05 13 00-0017	CY 10% Microsilica (Silica Fume), Concrete Admixture	128.89
03 05 13 00-0018	CY Corrosion Inhibiting Concrete Admixture	48.33
03 05 13 00-0019	CY Winter Service Or Heat, Concrete Add.....	25.78
03 05 13 00-0020	CY Chilled Water, Concrete Add	25.78
03 05 13 00-0021	CY Subtle Color (See Davis Colors Color Card), Concrete Admixture	37.77
03 05 13 00-0022	CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	62.95
03 05 13 00-0023	CY Premium Color (See Davis Colors Color Card), Concrete Admixture.....	120.86
03 05 13 00-0024	CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	167.86

03 10 Concrete Forming and Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001	Wood Formwork <small>(03 11 13)</small>	
	Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.	
03 11 13 00-0002	Foundation Wood Formwork <small>(03 11 13 00-0001)</small>	
	Note: For foundation work below or at grade.	
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork.....	9.02
	For <1,000, Add	1.68
	For Foundations >8' Below Grade, Add	1.61
	For Curved Formwork, Add	3.22

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0004	SF		Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	10.72	
			<i>For <1,000, Add</i>	2.01	
			<i>For Foundations >8' Below Grade, Add</i>	1.94	
			<i>For Curved Formwork, Add</i>	3.88	
03 11 13 00-0005	SF		Mat Foundation Wood Formwork.....	12.23	
			<i>For <1,000, Add</i>	2.34	
			<i>For Foundations >8' Below Grade, Add</i>	2.28	
			<i>For Curved Formwork, Add</i>	4.56	
03 11 13 00-0006	SF		Grade Beams Or Duct Bank Foundation Wood Formwork	10.23	
			<i>For <1,000, Add</i>	1.94	
			<i>For Foundations >8' Below Grade, Add</i>	1.88	
			<i>For Curved Formwork, Add</i>	3.76	
03 11 13 00-0007	SF		Below Grade Walls Foundation Wood Formwork	14.58	
			Note: Excludes footing		
			<i>For <1,000, Add</i>	2.75	
			<i>For Foundations >8' Below Grade, Add</i>	2.66	
			<i>For Curved Formwork, Add</i>	5.33	
03 11 13 00-0008			Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0009	LF		Up To 6" High Slab Edge and Block-Out Wood Formwork	6.93	
			<i>For Foundations >8' Below Grade, Add</i>	1.28	
			<i>For Curved Formwork, Add</i>	2.57	
			<i>For Up To 250, Add</i>	1.32	
03 11 13 00-0010	LF		>6" To 12" High Slab Edge and Block-Out Wood Formwork	9.97	
			<i>For Foundations >8' Below Grade, Add</i>	1.79	
			<i>For Curved Formwork, Add</i>	3.58	
			<i>For Up To 250, Add</i>	1.86	
03 11 13 00-0011	SF		>12" High Slab Edge and Block-Out Wood Formwork.....	12.65	
			<i>For Foundations >8' Below Grade, Add</i>	2.31	
			<i>For Curved Formwork, Add</i>	4.62	
			<i>For <1,000, Add</i>	2.38	
03 11 13 00-0012			Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013	LF		Up To 8" Square Column Wood Formwork.....	53.80	
03 11 13 00-0014	LF		>8" To 12" Square Column Wood Formwork.....	77.94	
03 11 13 00-0015	LF		>12" To 18" Square Column Wood Formwork.....	97.62	
03 11 13 00-0016	LF		>18" To 24" Square Column Wood Formwork.....	139.70	
03 11 13 00-0017	LF		>24" To 36" Square Column Wood Formwork.....	200.27	
03 11 13 00-0018	LF		>36" To 48" Square Column Wood Formwork.....	264.23	
03 11 13 00-0019			Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020	SF		Up To 8' High Above Grade Wall Wood Formwork.....	16.29	
			<i>For Curved Formwork, Add</i>	6.01	
			<i>For <1,000, Add</i>	3.09	
03 11 13 00-0021	SF		>8' High Above Grade Wall Wood Formwork	19.32	
			<i>For Curved Formwork, Add</i>	7.13	
			<i>For <1,000, Add</i>	3.67	
03 11 13 00-0022			Elevated Beam Wood Formwork (03 11 13 00-0001)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF		Bottom of Elevated Beam Wood Formwork.....	21.33	
			<i>For Curved Formwork, Add</i>	7.84	
			<i>For <1,000, Add</i>	4.04	
03 11 13 00-0024	SF		Vertical Sides of Elevated Beam Wood Formwork	13.48	
			<i>For Curved Formwork, Add</i>	5.00	
			<i>For <1,000, Add</i>	2.57	
03 11 13 00-0025			Elevated Slab Wood Formwork (03 11 13 00-0001)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF		Elevated Slab Wood Formwork	12.61	
			<i>For <1,000, Add</i>	2.31	
03 11 13 00-0027			Metal Framed Formwork (03 11 13)		
			Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028			Foundation Metal Framed Formwork (03 11 13 00-0027)		
			Note: For foundation work below or at grade.		
03 11 13 00-0029	SF		Continuous Footings Foundation Metal Framed Formwork	8.17	
			<i>For <1,000, Add</i>	1.51	
			<i>For Foundations >8' Below Grade, Add</i>	1.45	
			<i>For Curved Formwork, Add</i>	2.90	
03 11 13 00-0030	SF		Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork.....	9.07	
			<i>For <1,000, Add</i>	1.69	
			<i>For Foundations >8' Below Grade, Add</i>	1.63	
			<i>For Curved Formwork, Add</i>	3.25	



Concrete	03
Concrete Forming and Accessories	03 10
Concrete Forming	03 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork.....	10.13	
For <1,000, Add	1.87	
For Foundations >8' Below Grade, Add	1.79	
For Curved Formwork, Add	3.58	
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork	8.56	
For <1,000, Add	1.58	
For Foundations >8' Below Grade, Add	1.51	
For Curved Formwork, Add	3.01	
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork	13.06	
Note: Excludes footing.		
For <1,000, Add	2.44	
For Foundations >8' Below Grade, Add	2.36	
For Curved Formwork, Add	4.71	
03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	5.86	
For Foundations >8' Below Grade, Add	1.14	
For Curved Formwork, Add	2.29	
For <250, Add	1.15	
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	7.33	
For Foundations >8' Below Grade, Add	1.42	
For Curved Formwork, Add	2.84	
For <250, Add	1.44	
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork.....	8.11	
For Foundations >8' Below Grade, Add	1.57	
For Curved Formwork, Add	3.14	
For <1,000, Add	1.59	
03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039 Square Columns (03 11 13 00-0038)		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork.....	49.57	
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork	59.86	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork	70.18	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork	83.88	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork	101.03	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork	121.28	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork	155.58	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork	191.84	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork	47.72	
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork	53.15	
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork	61.09	
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork	71.38	
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork	84.37	
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork	96.70	
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork	124.98	
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork	162.15	
03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork	7.98	
For Curved Formwork, Add	2.68	
For <1,000, Add	1.43	
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork.....	9.72	
For Curved Formwork, Add	3.23	
For <1,000, Add	1.73	
03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork	8.00	
For Curved Formwork, Add	2.51	
For <1,000, Add	1.37	
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork.....	5.93	
For Curved Formwork, Add	1.96	
For <1,000, Add	1.05	
03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064 SF Elevated Slab Metal Framed Formwork.....	10.95	
For <1,000, Add	1.67	
03 11 13 00-0065 Fiber Tube Formwork (03 11 13)		
Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)		

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0067 LF 6" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	20.51 0.71 2.05	
03 11 13 00-0068 LF 8" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	21.62 0.84 2.16	
03 11 13 00-0069 LF 10" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	24.01 1.01 2.40	
03 11 13 00-0070 LF 12" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	29.45 1.79 2.95	
03 11 13 00-0071 LF 14" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	32.97 2.27 3.30	
03 11 13 00-0072 LF 16" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	35.74 2.83 3.57	
03 11 13 00-0073 LF 18" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	38.35 3.30 3.84	
03 11 13 00-0074 LF 20" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	43.33 4.49 4.33	
03 11 13 00-0075 LF 22" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	45.36 4.67 4.54	
03 11 13 00-0076 LF 24" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	47.63 4.93 4.76	
03 11 13 00-0077 LF 26" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	49.50 5.32 4.95	
03 11 13 00-0078 LF 28" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	51.36 5.71 5.14	
03 11 13 00-0079 LF 30" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	53.23 6.10 5.32	
03 11 13 00-0080 LF 36" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	61.10 7.85 6.11	
03 11 13 00-0081 LF 42" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	93.75 17.20 9.38	
03 11 13 00-0082 LF 48" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	113.35 22.64 11.34	
03 11 13 00-0083 LF 54" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	200.69 48.12 20.07	
03 11 13 00-0084 LF 60" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	223.14 54.31 22.31	
03 11 13 00-0085 Accessories For Formwork (03 11 13)		
03 11 13 00-0086 Keyway Forms, All Materials (03 11 13 00-0085)		
03 11 13 00-0087 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.55	
03 11 13 00-0088 Chamfer Strips, All Materials (03 11 13 00-0085)		
03 11 13 00-0089 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.70	
03 11 13 00-0090 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.13	
03 11 13 00-0091 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.61	
03 11 13 00-0092 Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)		
03 11 13 00-0093 LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	13.30	
03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)		
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	18.05	
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	23.17	
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	28.17	
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	34.46	
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	45.10	
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	118.65	

03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 11 16 13 Concrete Form Liners (03 11 16)

03 11 16 13-0001 Concrete Form Liners (03 11 16 13)

03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.60	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	8.34	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	10.92	

03 11 23 Permanent Stair Forming (03 11)

03 11 23 00-0001 Stairway Wood Formwork (03 11 23)

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	20.64	
		<i>For Curved Formwork, Add</i>	7.92	
		<i>For <1,000, Add</i>	4.02	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	40.79	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		<i>For Curved Formwork, Add</i>	15.50	
		<i>For <1,000, Add</i>	7.89	

03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	17.14	
		<i>For Curved Formwork, Add</i>	6.51	
		<i>For <1,000, Add</i>	3.31	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	31.80	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		<i>For Curved Formwork, Add</i>	12.08	
		<i>For <1,000, Add</i>	6.15	

03 15 Concrete Accessories (03 10)

03 15 13 Waterstops (03 15)

03 15 13 13 Non-Expanding Waterstops (03 15 13)

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.68	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	13.55	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	17.32	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	19.52	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	33.70	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	15.24	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	18.33	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	37.62	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	27.87	

03 15 13 13-0011 Rubber Waterstops (03 15 13 13)

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	10.92	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	12.44	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	11.20	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	15.11	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	12.79	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.14	

03 15 13 16 Expanding Waterstops (03 15 13)

03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	11.17	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	18.46	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	21.07	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	24.57	

03 15 16 Concrete Construction Joints (03 15)

03 15 16 00-0001 Poured Expansion Joint (03 15 16)

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.11	0.84
		<i>For Installation In Walls, Add</i>	1.41	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.08	0.84
		<i>For Installation In Walls, Add</i>	1.58	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.98	0.84
		<i>For Installation In Walls, Add</i>	1.41	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	6.53	0.84
		<i>For Installation In Walls, Add</i>	1.58	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	4.15	0.84
		<i>For Installation In Walls, Add</i>	1.58	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	7.48	0.84
		<i>For Installation In Walls, Add</i>	2.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0008 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied..... <i>For Installation In Walls, Add</i>	3.47 1.41	0.84
03 15 16 00-0009 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant <i>For Installation In Walls, Add</i>	4.29 1.41	0.84
03 15 16 00-0010 LF 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant <i>For Installation In Walls, Add</i>	11.32 1.58	0.84
03 15 16 00-0011 Premolded Expansion Joints (03 15 16)		
03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0013 LF 1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.74	1.27
03 15 16 00-0014 LF 1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.13	1.34
03 15 16 00-0015 LF 1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.37	1.40
03 15 16 00-0016 LF 1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.62	1.46
03 15 16 00-0017 LF 3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.98	1.27
03 15 16 00-0018 LF 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.31	1.34
03 15 16 00-0019 LF 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.72	1.40
03 15 16 00-0020 LF 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.28	1.46
03 15 16 00-0021 LF 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.70	1.21
03 15 16 00-0022 LF 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.94	1.27
03 15 16 00-0023 LF 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.22	1.34
03 15 16 00-0024 LF 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.46	1.40
03 15 16 00-0025 LF 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.74	1.46
03 15 16 00-0026 LF 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.15	1.53
03 15 16 00-0027 LF 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.46	1.59
03 15 16 00-0028 LF 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	4.99	1.65
03 15 16 00-0029 LF 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.24	1.34
03 15 16 00-0030 LF 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.70	1.40
03 15 16 00-0031 LF 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.50	1.53
03 15 16 00-0032 SF 1" Asphalt Saturated Fiber, Premolded Expansion Joint	7.73	2.09
03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034 LF 1/2" x 4" Cork, Premolded Expansion Joint	4.58	1.34
03 15 16 00-0035 LF 1/2" x 6" Cork, Premolded Expansion Joint	5.14	1.46
03 15 16 00-0036 LF 1/2" x 8" Cork, Premolded Expansion Joint	5.58	1.53
03 15 16 00-0037 LF 1/2" x 10" Cork, Premolded Expansion Joint	7.76	1.59
03 15 16 00-0038 LF 1/2" x 12" Cork, Premolded Expansion Joint	8.25	1.65
03 15 16 00-0039 SF 1/2" Cork, Premolded Expansion Joint	9.15	2.09
03 15 16 00-0040 SF 3/4" Cork, Premolded Expansion Joint	10.57	2.09
03 15 16 00-0041 SF 1" Cork, Premolded Expansion Joint	11.22	2.09
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0043 LF 1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.97	1.34
03 15 16 00-0044 LF 1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.10	1.40
03 15 16 00-0045 LF 1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.26	1.46
03 15 16 00-0046 LF 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.77	1.53
03 15 16 00-0047 LF 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.05	1.34
03 15 16 00-0048 LF 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.19	1.40
03 15 16 00-0049 LF 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.32	1.46
03 15 16 00-0050 LF 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.64	1.53
03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052 LF 1" Zip Strip, Premolded Expansion Joint.....	3.00	1.34
03 15 16 00-0053 LF 1-1/2" Zip Strip, Premolded Expansion Joint	3.27	1.40
03 15 16 00-0054 LF 2" Zip Strip, Premolded Expansion Joint.....	3.63	1.53
03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056 LF 1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.90	1.27
03 15 16 00-0057 LF 1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	5.87	1.27
03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059 SF Asphalt Felt Control Joint, 30 LB Felt Bond Breaker..... >1,250, Deduct	1.44 -0.07	0.96
03 15 16 00-0060 SF Asphalt Felt Control Joint, 15 LB Felt Bond Breaker..... >1,250, Deduct	1.35 -0.07	0.96
03 15 16 00-0061 Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063 LF 24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.40	
03 15 16 00-0064 LF 24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	7.56	
03 15 16 00-0065 LF 24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	7.85	
03 15 16 00-0066 LF 24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	8.37	
03 15 16 00-0067 LF 24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	10.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 15 19 Cast-In Concrete Anchors (03 15)

03 15 19 00-0001	Cast In Place Anchors <small>(03 15 19)</small> Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002	J-Type Anchor Bolts <small>(03 15 19 00-0001)</small> See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003	1/2" And 5/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0004	EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.16	
	For Galvanized, Add	3.47	
	For Stainless Steel, Add	24.29	
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.79	
03 15 19 00-0005	EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.62	
	For Galvanized, Add	4.42	
	For Stainless Steel, Add	30.94	
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-1.00	
	For >100, Deduct	-2.00	
03 15 19 00-0006	EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.60	
	For Galvanized, Add	6.09	
	For Stainless Steel, Add	42.63	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-1.15	
	For >100, Deduct	-2.29	
03 15 19 00-0007	EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.33	
	For Galvanized, Add	7.96	
	For Stainless Steel, Add	55.69	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-1.24	
	For >100, Deduct	-2.48	
03 15 19 00-0008	EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.43	
	For Galvanized, Add	10.62	
	For Stainless Steel, Add	74.34	
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-1.45	
	For >100, Deduct	-2.90	
03 15 19 00-0009	EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.37	
	For Galvanized, Add	12.14	
	For Stainless Steel, Add	84.95	
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.62	
	For >100, Deduct	-3.23	
03 15 19 00-0010	3/4" And 7/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0011	EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.20	
	For Galvanized, Add	12.05	
	For Stainless Steel, Add	84.35	
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.61	
	For >100, Deduct	-3.23	
03 15 19 00-0012	EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.32	
	For Galvanized, Add	14.05	
	For Stainless Steel, Add	98.32	
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.83	
	For >100, Deduct	-3.65	
03 15 19 00-0013	EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	48.62	
	For Galvanized, Add	17.99	
	For Stainless Steel, Add	125.93	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-2.16	
	For >100, Deduct	-4.33	
03 15 19 00-0014	EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	59.50	
	For Galvanized, Add	22.67	
	For Stainless Steel, Add	158.69	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-2.55	
	For >100, Deduct	-5.10	
03 15 19 00-0015	EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.58	
	For Galvanized, Add	16.47	
	For Stainless Steel, Add	115.29	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-2.09	
	For >100, Deduct	-4.18	
03 15 19 00-0016	EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.88	
	For Galvanized, Add	19.72	
	For Stainless Steel, Add	138.04	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-2.43	
	For >100, Deduct	-4.86	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	69.42	
For Galvanized, Add	26.29	
For Stainless Steel, Add	184.03	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-3.00	
For >100, Deduct	-6.00	
03 15 19 00-0018 1" And 1-1/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	57.05	
For Galvanized, Add	21.31	
For Stainless Steel, Add	149.14	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-2.51	
For >100, Deduct	-5.02	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	68.12	
For Galvanized, Add	25.64	
For Stainless Steel, Add	179.48	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-2.97	
For >100, Deduct	-5.93	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	84.49	
For Galvanized, Add	32.14	
For Stainless Steel, Add	224.98	
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-3.63	
For >100, Deduct	-7.26	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	103.80	
For Galvanized, Add	39.27	
For Stainless Steel, Add	274.89	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-4.49	
For >100, Deduct	-8.98	
03 15 19 00-0023 EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	69.12	
For Galvanized, Add	26.64	
For Stainless Steel, Add	186.45	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-2.92	
For >100, Deduct	-5.83	
03 15 19 00-0024 EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	82.59	
For Galvanized, Add	32.06	
For Stainless Steel, Add	224.39	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-3.45	
For >100, Deduct	-6.90	
03 15 19 00-0025 EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	102.55	
For Galvanized, Add	40.18	
For Stainless Steel, Add	281.26	
For >10 To 50, Deduct	-1.11	
For >50 To 100, Deduct	-4.23	
For >100, Deduct	-8.46	
03 15 19 00-0026 EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	125.92	
For Galvanized, Add	49.09	
For Stainless Steel, Add	343.63	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-5.23	
For >100, Deduct	-10.46	
03 15 19 00-0027 1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028 EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	84.14	
For Galvanized, Add	33.29	
For Stainless Steel, Add	233.03	
For >10 To 50, Deduct	-0.88	
For >50 To 100, Deduct	-3.42	
For >100, Deduct	-6.84	
03 15 19 00-0029 EA 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	100.62	
For Galvanized, Add	40.08	
For Stainless Steel, Add	280.53	
For >10 To 50, Deduct	-1.02	
For >50 To 100, Deduct	-4.05	
For >100, Deduct	-8.10	
03 15 19 00-0030 EA 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	125.06	
For Galvanized, Add	50.24	
For Stainless Steel, Add	351.68	
For >10 To 50, Deduct	-1.23	
For >50 To 100, Deduct	-4.97	
For >100, Deduct	-9.94	
03 15 19 00-0031 EA 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	153.43	
For Galvanized, Add	61.36	
For Stainless Steel, Add	429.49	
For >10 To 50, Deduct	-1.54	
For >50 To 100, Deduct	-6.14	
For >100, Deduct	-12.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0032	EA			1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	102.91	
				<i>For Galvanized, Add</i>	41.61	
				<i>For Stainless Steel, Add</i>	291.27	
				<i>For >10 To 50, Deduct</i>	-0.98	
				<i>For >50 To 100, Deduct</i>	-4.05	
				<i>For >100, Deduct</i>	-8.10	
03 15 19 00-0033	EA			1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	123.14	
				<i>For Galvanized, Add</i>	50.09	
				<i>For Stainless Steel, Add</i>	350.60	
				<i>For >10 To 50, Deduct</i>	-1.15	
				<i>For >50 To 100, Deduct</i>	-4.80	
				<i>For >100, Deduct</i>	-9.60	
03 15 19 00-0034	EA			1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	153.19	
				<i>For Galvanized, Add</i>	62.81	
				<i>For Stainless Steel, Add</i>	439.67	
				<i>For >10 To 50, Deduct</i>	-1.38	
				<i>For >50 To 100, Deduct</i>	-5.90	
				<i>For >100, Deduct</i>	-11.80	
03 15 19 00-0035	EA			1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	187.85	
				<i>For Galvanized, Add</i>	76.70	
				<i>For Stainless Steel, Add</i>	536.90	
				<i>For >10 To 50, Deduct</i>	-1.72	
				<i>For >50 To 100, Deduct</i>	-7.28	
				<i>For >100, Deduct</i>	-14.56	
03 15 19 00-0036				L-Type Anchor Bolts (03 15 19 00-0001)		
				See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037				3/4" And 7/8" Diameter (03 15 19 00-0036)		
03 15 19 00-0038	EA			3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.65	
				<i>For Galvanized, Add</i>	9.21	
				<i>For Stainless Steel, Add</i>	64.47	
				<i>For >10 To 50, Deduct</i>	-0.56	
				<i>For >50 To 100, Deduct</i>	-1.58	
				<i>For >100, Deduct</i>	-3.17	
03 15 19 00-0039	EA			3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.40	
				<i>For Galvanized, Add</i>	11.38	
				<i>For Stainless Steel, Add</i>	79.66	
				<i>For >10 To 50, Deduct</i>	-0.63	
				<i>For >50 To 100, Deduct</i>	-1.83	
				<i>For >100, Deduct</i>	-3.67	
03 15 19 00-0040	EA			3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.53	
				<i>For Galvanized, Add</i>	13.05	
				<i>For Stainless Steel, Add</i>	91.32	
				<i>For >10 To 50, Deduct</i>	-0.72	
				<i>For >50 To 100, Deduct</i>	-2.10	
				<i>For >100, Deduct</i>	-4.19	
03 15 19 00-0041	EA			3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.93	
				<i>For Galvanized, Add</i>	13.55	
				<i>For Stainless Steel, Add</i>	94.82	
				<i>For >10 To 50, Deduct</i>	-0.84	
				<i>For >50 To 100, Deduct</i>	-2.36	
				<i>For >100, Deduct</i>	-4.72	
03 15 19 00-0042	EA			3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.65	
				<i>For Galvanized, Add</i>	14.22	
				<i>For Stainless Steel, Add</i>	99.54	
				<i>For >10 To 50, Deduct</i>	-1.01	
				<i>For >50 To 100, Deduct</i>	-2.73	
				<i>For >100, Deduct</i>	-5.46	
03 15 19 00-0043	EA			7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.48	
				<i>For Galvanized, Add</i>	11.42	
				<i>For Stainless Steel, Add</i>	79.94	
				<i>For >10 To 50, Deduct</i>	-0.63	
				<i>For >50 To 100, Deduct</i>	-1.84	
				<i>For >100, Deduct</i>	-3.67	
03 15 19 00-0044	EA			7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.05	
				<i>For Galvanized, Add</i>	13.31	
				<i>For Stainless Steel, Add</i>	93.14	
				<i>For >10 To 50, Deduct</i>	-0.72	
				<i>For >50 To 100, Deduct</i>	-2.11	
				<i>For >100, Deduct</i>	-4.22	
03 15 19 00-0045	EA			7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.36	
				<i>For Galvanized, Add</i>	15.26	
				<i>For Stainless Steel, Add</i>	106.82	
				<i>For >10 To 50, Deduct</i>	-0.84	
				<i>For >50 To 100, Deduct</i>	-2.45	
				<i>For >100, Deduct</i>	-4.89	
03 15 19 00-0046	EA			7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	51.90	
				<i>For Galvanized, Add</i>	15.85	
				<i>For Stainless Steel, Add</i>	110.92	
				<i>For >10 To 50, Deduct</i>	-1.01	
				<i>For >50 To 100, Deduct</i>	-2.81	
				<i>For >100, Deduct</i>	-5.63	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	58.55	
For Galvanized, Add	16.65	
For Stainless Steel, Add	116.52	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.36	
For >100, Deduct	-6.72	
03 15 19 00-0048 1" And 1-1/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0049 EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.74	
For Galvanized, Add	14.65	
For Stainless Steel, Add	102.55	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-2.18	
For >100, Deduct	-4.35	
03 15 19 00-0050 EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.78	
For Galvanized, Add	16.47	
For Stainless Steel, Add	115.29	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-2.51	
For >100, Deduct	-5.02	
03 15 19 00-0051 EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.05	
For Galvanized, Add	18.42	
For Stainless Steel, Add	128.94	
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-2.94	
For >100, Deduct	-5.88	
03 15 19 00-0052 EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.55	
For Galvanized, Add	19.29	
For Stainless Steel, Add	135.03	
For >10 To 50, Deduct	-1.10	
For >50 To 100, Deduct	-3.16	
For >100, Deduct	-6.32	
03 15 19 00-0053 EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	65.66	
For Galvanized, Add	20.20	
For Stainless Steel, Add	141.40	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.54	
For >100, Deduct	-7.07	
03 15 19 00-0054 EA 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.88	
For Galvanized, Add	23.41	
For Stainless Steel, Add	163.84	
For >10 To 50, Deduct	-1.40	
For >50 To 100, Deduct	-3.98	
For >100, Deduct	-7.95	
03 15 19 00-0055 EA 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	88.47	
For Galvanized, Add	27.40	
For Stainless Steel, Add	191.77	
For >10 To 50, Deduct	-1.68	
For >50 To 100, Deduct	-4.74	
For >100, Deduct	-9.48	
03 15 19 00-0056 EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.37	
For Galvanized, Add	19.27	
For Stainless Steel, Add	134.86	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-2.65	
For >100, Deduct	-5.29	
03 15 19 00-0057 EA 1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.34	
For Galvanized, Add	21.57	
For Stainless Steel, Add	150.96	
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-3.10	
For >100, Deduct	-6.20	
03 15 19 00-0058 EA 1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	67.09	
For Galvanized, Add	22.56	
For Stainless Steel, Add	157.92	
For >10 To 50, Deduct	-1.10	
For >50 To 100, Deduct	-3.33	
For >100, Deduct	-6.65	
03 15 19 00-0059 1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060 EA 1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	66.81	
For Galvanized, Add	23.30	
For Stainless Steel, Add	163.10	
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-3.19	
For >100, Deduct	-6.37	
03 15 19 00-0061 EA 1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	79.79	
For Galvanized, Add	27.27	
For Stainless Steel, Add	190.86	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.89	
For >100, Deduct	-7.78	



Concrete	03	03
Concrete Forming and Accessories	03 10	
Concrete Accessories	03 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0062 EA 1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	88.36	
For Galvanized, Add	30.89	
For Stainless Steel, Add	216.20	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-4.20	
For >100, Deduct	-8.41	
03 15 19 00-0063 EA 1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	97.81	
For Galvanized, Add	34.87	
For Stainless Steel, Add	244.09	
For >10 To 50, Deduct	-1.40	
For >50 To 100, Deduct	-4.55	
For >100, Deduct	-9.10	
03 15 19 00-0064 EA 1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	107.44	
For Galvanized, Add	37.93	
For Stainless Steel, Add	265.51	
For >10 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-5.05	
For >100, Deduct	-10.11	
03 15 19 00-0065 EA 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	117.33	
For Galvanized, Add	40.62	
For Stainless Steel, Add	284.31	
For >10 To 50, Deduct	-1.81	
For >50 To 100, Deduct	-5.64	
For >100, Deduct	-11.28	
03 15 19 00-0066 EA 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	129.06	
For Galvanized, Add	43.48	
For Stainless Steel, Add	304.33	
For >10 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-6.38	
For >100, Deduct	-12.77	
03 15 19 00-0067 EA 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	146.68	
For Galvanized, Add	48.07	
For Stainless Steel, Add	336.49	
For >10 To 50, Deduct	-2.53	
For >50 To 100, Deduct	-7.46	
For >100, Deduct	-14.92	
03 15 19 00-0068 EA 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	78.47	
For Galvanized, Add	29.13	
For Stainless Steel, Add	203.91	
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-3.48	
For >100, Deduct	-6.96	
03 15 19 00-0069 EA 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	93.44	
For Galvanized, Add	34.09	
For Stainless Steel, Add	238.63	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-4.23	
For >100, Deduct	-8.46	
03 15 19 00-0070 EA 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	103.79	
For Galvanized, Add	38.60	
For Stainless Steel, Add	270.20	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-4.59	
For >100, Deduct	-9.18	
03 15 19 00-0071 EA 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	115.24	
For Galvanized, Add	43.59	
For Stainless Steel, Add	305.10	
For >10 To 50, Deduct	-1.40	
For >50 To 100, Deduct	-4.99	
For >100, Deduct	-9.97	
03 15 19 00-0072 EA 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	126.42	
For Galvanized, Add	47.42	
For Stainless Steel, Add	331.94	
For >10 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-5.53	
For >100, Deduct	-11.06	
03 15 19 00-0073 EA 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	137.66	
For Galvanized, Add	50.78	
For Stainless Steel, Add	355.46	
For >10 To 50, Deduct	-1.81	
For >50 To 100, Deduct	-6.15	
For >100, Deduct	-12.30	
03 15 19 00-0074 EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	151.69	
For Galvanized, Add	54.79	
For Stainless Steel, Add	383.53	
For >10 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-6.95	
For >100, Deduct	-13.90	
03 15 19 00-0075 EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	170.74	
For Galvanized, Add	60.10	
For Stainless Steel, Add	420.70	
For >10 To 50, Deduct	-2.53	
For >50 To 100, Deduct	-8.06	
For >100, Deduct	-16.12	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI UOM			
03 15 19 00-0076	1-1/2", 1-3/4", And 2" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0077	EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	103.72	
	For Galvanized, Add	40.38	
	For Stainless Steel, Add	282.63	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-4.32	
	For >100, Deduct	-8.63	
03 15 19 00-0078	EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	111.29	
	For Galvanized, Add	42.35	
	For Stainless Steel, Add	296.45	
	For >10 To 50, Deduct	-1.33	
	For >50 To 100, Deduct	-4.78	
	For >100, Deduct	-9.55	
03 15 19 00-0079	EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	122.91	
	For Galvanized, Add	46.60	
	For Stainless Steel, Add	326.17	
	For >10 To 50, Deduct	-1.49	
	For >50 To 100, Deduct	-5.30	
	For >100, Deduct	-10.60	
03 15 19 00-0080	EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	133.40	
	For Galvanized, Add	50.91	
	For Stainless Steel, Add	356.37	
	For >10 To 50, Deduct	-1.58	
	For >50 To 100, Deduct	-5.70	
	For >100, Deduct	-11.41	
03 15 19 00-0081	EA 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	144.13	
	For Galvanized, Add	55.23	
	For Stainless Steel, Add	386.58	
	For >10 To 50, Deduct	-1.68	
	For >50 To 100, Deduct	-6.13	
	For >100, Deduct	-12.26	
03 15 19 00-0082	EA 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	157.64	
	For Galvanized, Add	59.39	
	For Stainless Steel, Add	415.70	
	For >10 To 50, Deduct	-1.94	
	For >50 To 100, Deduct	-6.86	
	For >100, Deduct	-13.71	
03 15 19 00-0083	EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	174.42	
	For Galvanized, Add	64.24	
	For Stainless Steel, Add	449.68	
	For >10 To 50, Deduct	-2.30	
	For >50 To 100, Deduct	-7.81	
	For >100, Deduct	-15.61	
03 15 19 00-0084	EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	198.63	
	For Galvanized, Add	71.24	
	For Stainless Steel, Add	498.68	
	For >10 To 50, Deduct	-2.81	
	For >50 To 100, Deduct	-9.18	
	For >100, Deduct	-18.35	
03 15 19 00-0085	EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	146.76	
	For Galvanized, Add	60.75	
	For Stainless Steel, Add	425.25	
	For >10 To 50, Deduct	-1.26	
	For >50 To 100, Deduct	-5.56	
	For >100, Deduct	-11.13	
03 15 19 00-0086	EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	152.21	
	For Galvanized, Add	62.07	
	For Stainless Steel, Add	434.49	
	For >10 To 50, Deduct	-1.40	
	For >50 To 100, Deduct	-5.91	
	For >100, Deduct	-11.82	
03 15 19 00-0087	EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	155.86	
	For Galvanized, Add	63.07	
	For Stainless Steel, Add	441.49	
	For >10 To 50, Deduct	-1.49	
	For >50 To 100, Deduct	-6.13	
	For >100, Deduct	-12.25	
03 15 19 00-0088	EA 1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	177.27	
	For Galvanized, Add	72.85	
	For Stainless Steel, Add	509.92	
	For >10 To 50, Deduct	-1.58	
	For >50 To 100, Deduct	-6.80	
	For >100, Deduct	-13.60	
03 15 19 00-0089	EA 1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	204.28	
	For Galvanized, Add	84.09	
	For Stainless Steel, Add	588.63	
	For >10 To 50, Deduct	-1.81	
	For >50 To 100, Deduct	-7.81	
	For >100, Deduct	-15.63	
03 15 19 00-0090	EA 1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	212.50	
	For Galvanized, Add	85.20	
	For Stainless Steel, Add	596.37	
	For >10 To 50, Deduct	-2.11	
	For >50 To 100, Deduct	-8.47	
	For >100, Deduct	-16.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0091 EA 1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	234.54	
<i>For Galvanized, Add</i>	92.00	
<i>For Stainless Steel, Add</i>	644.00	
<i>For >10 To 50, Deduct</i>	-2.53	
<i>For >50 To 100, Deduct</i>	-9.65	
<i>For >100, Deduct</i>	-19.31	
03 15 19 00-0092 EA 1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	261.34	
<i>For Galvanized, Add</i>	99.09	
<i>For Stainless Steel, Add</i>	693.63	
<i>For >10 To 50, Deduct</i>	-3.16	
<i>For >50 To 100, Deduct</i>	-11.27	
<i>For >100, Deduct</i>	-22.54	
03 15 19 00-0093 EA 2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	214.68	
<i>For Galvanized, Add</i>	92.48	
<i>For Stainless Steel, Add</i>	647.36	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-7.60	
<i>For >100, Deduct</i>	-15.19	
03 15 19 00-0094 EA 2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	233.64	
<i>For Galvanized, Add</i>	99.98	
<i>For Stainless Steel, Add</i>	699.66	
<i>For >10 To 50, Deduct</i>	-1.68	
<i>For >50 To 100, Deduct</i>	-8.37	
<i>For >100, Deduct</i>	-16.73	
03 15 19 00-0095 EA 2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	256.81	
<i>For Galvanized, Add</i>	108.97	
<i>For Stainless Steel, Add</i>	762.79	
<i>For >10 To 50, Deduct</i>	-1.94	
<i>For >50 To 100, Deduct</i>	-9.34	
<i>For >100, Deduct</i>	-18.67	
03 15 19 00-0096 EA 2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	276.76	
<i>For Galvanized, Add</i>	115.41	
<i>For Stainless Steel, Add</i>	807.87	
<i>For >10 To 50, Deduct</i>	-2.30	
<i>For >50 To 100, Deduct</i>	-10.36	
<i>For >100, Deduct</i>	-20.73	
03 15 19 00-0097 EA 2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	298.57	
<i>For Galvanized, Add</i>	124.02	
<i>For Stainless Steel, Add</i>	868.11	
<i>For >10 To 50, Deduct</i>	-2.53	
<i>For >50 To 100, Deduct</i>	-11.25	
<i>For >100, Deduct</i>	-22.51	
03 15 19 00-0098 EA 2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	320.99	
<i>For Galvanized, Add</i>	132.42	
<i>For Stainless Steel, Add</i>	926.94	
<i>For >10 To 50, Deduct</i>	-2.81	
<i>For >50 To 100, Deduct</i>	-12.24	
<i>For >100, Deduct</i>	-24.47	
03 15 19 00-0099 EA 2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	356.63	
<i>For Galvanized, Add</i>	142.22	
<i>For Stainless Steel, Add</i>	995.54	
<i>For >10 To 50, Deduct</i>	-3.61	
<i>For >50 To 100, Deduct</i>	-14.33	
<i>For >100, Deduct</i>	-28.66	
03 15 19 00-0100 EA 2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	384.89	
<i>For Galvanized, Add</i>	156.35	
<i>For Stainless Steel, Add</i>	1,094.45	
<i>For >10 To 50, Deduct</i>	-3.61	
<i>For >50 To 100, Deduct</i>	-15.04	
<i>For >100, Deduct</i>	-30.07	
03 15 19 00-0101 EA 2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	431.81	
<i>For Galvanized, Add</i>	173.80	
<i>For Stainless Steel, Add</i>	1,216.57	
<i>For >10 To 50, Deduct</i>	-4.21	
<i>For >50 To 100, Deduct</i>	-17.11	
<i>For >100, Deduct</i>	-34.22	
 03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)		
03 15 19 00-0103 EA 2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	440.64	
<i>For Galvanized, Add</i>	205.46	
<i>For Stainless Steel, Add</i>	1,438.22	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-13.25	
<i>For >100, Deduct</i>	-26.49	
03 15 19 00-0104 EA 2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	463.20	
<i>For Galvanized, Add</i>	214.76	
<i>For Stainless Steel, Add</i>	1,503.32	
<i>For >10 To 50, Deduct</i>	-1.68	
<i>For >50 To 100, Deduct</i>	-14.11	
<i>For >100, Deduct</i>	-28.21	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0105 EA 2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	504.67	
For Galvanized, Add	232.90	
For Stainless Steel, Add	1,630.30	
For >10 To 50, Deduct	-1.94	
For >50 To 100, Deduct	-15.53	
For >100, Deduct	-31.06	
03 15 19 00-0106 EA 2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	536.83	
For Galvanized, Add	245.45	
For Stainless Steel, Add	1,718.12	
For >10 To 50, Deduct	-2.30	
For >50 To 100, Deduct	-16.87	
For >100, Deduct	-33.73	
03 15 19 00-0107 EA 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	567.74	
For Galvanized, Add	258.60	
For Stainless Steel, Add	1,810.20	
For >10 To 50, Deduct	-2.53	
For >50 To 100, Deduct	-17.98	
For >100, Deduct	-35.97	
03 15 19 00-0108 EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	602.83	
For Galvanized, Add	273.34	
For Stainless Steel, Add	1,913.38	
For >10 To 50, Deduct	-2.81	
For >50 To 100, Deduct	-19.28	
For >100, Deduct	-38.56	
03 15 19 00-0109 EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	649.04	
For Galvanized, Add	288.43	
For Stainless Steel, Add	2,018.98	
For >10 To 50, Deduct	-3.61	
For >50 To 100, Deduct	-21.64	
For >100, Deduct	-43.28	
03 15 19 00-0110 EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	496.77	
For Galvanized, Add	232.60	
For Stainless Steel, Add	1,628.17	
For >10 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-14.79	
For >100, Deduct	-29.58	
03 15 19 00-0111 EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	533.71	
For Galvanized, Add	248.81	
For Stainless Steel, Add	1,741.64	
For >10 To 50, Deduct	-1.81	
For >50 To 100, Deduct	-16.05	
For >100, Deduct	-32.10	
03 15 19 00-0112 EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	572.45	
For Galvanized, Add	265.17	
For Stainless Steel, Add	1,856.19	
For >10 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-17.47	
For >100, Deduct	-34.94	
03 15 19 00-0113 EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	610.35	
For Galvanized, Add	279.91	
For Stainless Steel, Add	1,959.34	
For >10 To 50, Deduct	-2.53	
For >50 To 100, Deduct	-19.05	
For >100, Deduct	-38.10	
03 15 19 00-0114 EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	648.17	
For Galvanized, Add	296.01	
For Stainless Steel, Add	2,072.07	
For >10 To 50, Deduct	-2.81	
For >50 To 100, Deduct	-20.42	
For >100, Deduct	-40.83	
03 15 19 00-0115 EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	700.91	
For Galvanized, Add	318.88	
For Stainless Steel, Add	2,232.13	
For >10 To 50, Deduct	-3.16	
For >50 To 100, Deduct	-22.26	
For >100, Deduct	-44.52	
03 15 19 00-0116 EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	757.04	
For Galvanized, Add	336.41	
For Stainless Steel, Add	2,354.87	
For >10 To 50, Deduct	-4.21	
For >50 To 100, Deduct	-25.24	
For >100, Deduct	-50.49	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)**03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar** ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0002 LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.68	
For Up To 100, Add	0.43	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.09	
03 21 11 00-0003 LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.14	
For Up To 100, Add	0.73	
For >100 To 200, Add	0.40	
For >200 To 500, Add	0.16	
03 21 11 00-0004 LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.71	
For Up To 100, Add	1.12	
For >100 To 200, Add	0.61	
For >200 To 500, Add	0.24	
03 21 11 00-0005 LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.35	
For Up To 100, Add	1.56	
For >100 To 200, Add	0.85	
For >200 To 500, Add	0.34	
03 21 11 00-0006 LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.69	
For Up To 100, Add	0.44	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.10	
03 21 11 00-0007 LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.16	
For Up To 100, Add	0.75	
For >100 To 200, Add	0.41	
For >200 To 500, Add	0.16	
03 21 11 00-0008 LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.75	
For Up To 100, Add	1.16	
For >100 To 200, Add	0.63	
For >200 To 500, Add	0.25	
03 21 11 00-0009 LF #6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.40	
For Up To 100, Add	1.61	
For >100 To 200, Add	0.87	
For >200 To 500, Add	0.35	
03 21 11 00-0010 LF #3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.71	
For Up To 100, Add	0.46	
For >100 To 200, Add	0.25	
For >200 To 500, Add	0.10	
03 21 11 00-0011 LF #4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.20	
For Up To 100, Add	0.79	
For >100 To 200, Add	0.43	
For >200 To 500, Add	0.17	
03 21 11 00-0012 LF #5, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.80	
For Up To 100, Add	1.21	
For >100 To 200, Add	0.65	
For >200 To 500, Add	0.26	
03 21 11 00-0013 LF #6, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	2.48	
For Up To 100, Add	1.69	
For >100 To 200, Add	0.91	
For >200 To 500, Add	0.37	
03 21 11 00-0014 LF #7, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.20	
For Up To 100, Add	1.76	
For >100 To 200, Add	1.04	
For >200 To 400, Add	0.48	
03 21 11 00-0015 LF #8, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.98	
For Up To 100, Add	2.23	
For >100 To 200, Add	1.31	
For >200 To 400, Add	0.61	
03 21 11 00-0016 LF #9, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	4.87	
For Up To 100, Add	2.76	
For >100 To 200, Add	1.62	
For >200 To 400, Add	0.75	
03 21 11 00-0017 LF #10, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	5.93	
For Up To 100, Add	2.78	
For >100 To 200, Add	1.52	
For >200 To 300, Add	0.76	
03 21 11 00-0018 LF #11, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	7.02	
For Up To 100, Add	3.35	
For >100 To 200, Add	1.82	
For >200 To 300, Add	0.91	
03 21 11 00-0019 LF #14, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	9.70	
For Up To 100, Add	4.70	
For >100 To 200, Add	2.54	
For >200 To 300, Add	1.27	
03 21 11 00-0020 LF #18, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	16.51	
For Up To 100, Add	8.13	
For >100 To 200, Add	4.36	
For >200 To 300, Add	2.18	
03 21 11 00-0021 LF #6, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	2.56	
For Up To 100, Add	1.77	
For >100 To 200, Add	0.95	
For >200 To 500, Add	0.38	
03 21 11 00-0022 LF #7, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.31	
For Up To 100, Add	1.84	
For >100 To 200, Add	1.08	
For >200 To 400, Add	0.50	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	4.12	
		For Up To 100, Add		2.33	
		For >100 To 200, Add		1.36	
		For >200 To 400, Add		0.63	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	5.04	
		For Up To 100, Add		2.89	
		For >100 To 200, Add		1.68	
		For >200 To 400, Add		0.79	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	6.15	
		For Up To 100, Add		2.92	
		For >100 To 200, Add		1.59	
		For >200 To 300, Add		0.79	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	7.30	
		For Up To 100, Add		3.51	
		For >100 To 200, Add		1.90	
		For >200 To 300, Add		0.95	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	10.10	
		For Up To 100, Add		4.94	
		For >100 To 200, Add		2.66	
		For >200 To 300, Add		1.33	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	17.21	
		For Up To 100, Add		8.55	
		For >100 To 200, Add		4.57	
		For >200 To 300, Add		2.29	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	0.73	
		For Up To 100, Add		0.48	
		For >100 To 200, Add		0.26	
		For >200 To 500, Add		0.10	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	1.23	
		For Up To 100, Add		0.82	
		For >100 To 200, Add		0.45	
		For >200 To 500, Add		0.18	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	1.84	
		For Up To 100, Add		1.25	
		For >100 To 200, Add		0.67	
		For >200 To 500, Add		0.27	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	2.54	
		For Up To 100, Add		1.75	
		For >100 To 200, Add		0.94	
		For >200 To 500, Add		0.38	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	3.28	
		For Up To 100, Add		1.82	
		For >100 To 200, Add		1.07	
		For >200 To 400, Add		0.50	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	4.08	
		For Up To 100, Add		2.30	
		For >100 To 200, Add		1.35	
		For >200 To 400, Add		0.63	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	5.00	
		For Up To 100, Add		2.86	
		For >100 To 200, Add		1.67	
		For >200 To 400, Add		0.78	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	6.09	
		For Up To 100, Add		2.88	
		For >100 To 200, Add		1.57	
		For >200 To 300, Add		0.78	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	7.23	
		For Up To 100, Add		3.47	
		For >100 To 200, Add		1.88	
		For >200 To 300, Add		0.94	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	10.00	
		For Up To 100, Add		4.88	
		For >100 To 200, Add		2.63	
		For >200 To 300, Add		1.31	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	17.04	
		For Up To 100, Add		8.45	
		For >100 To 200, Add		4.52	
		For >200 To 300, Add		2.26	
03 21 11 00-0040		Columns, Steel Reinforcement Bar <small>(03 21 11)</small>			
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	.....	0.72	
		For Up To 100, Add		0.44	
		For >100 To 200, Add		0.25	
		For >200 To 500, Add		0.10	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	.....	1.22	
		For Up To 100, Add		0.76	
		For >100 To 200, Add		0.42	
		For >200 To 500, Add		0.17	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	.....	1.80	
		For Up To 100, Add		1.15	
		For >100 To 200, Add		0.63	
		For >200 To 500, Add		0.25	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0044 LF #6, Grade 40, Columns, Steel Reinforcement Bar.....	2.48	
For Up To 100, Add	1.62	
For >100 To 200, Add	0.88	
For >200 To 500, Add	0.35	
03 21 11 00-0045 LF #3, Grade 50, Columns, Steel Reinforcement Bar.....	0.73	
For Up To 100, Add	0.45	
For >100 To 200, Add	0.25	
For >200 To 500, Add	0.10	
03 21 11 00-0046 LF #4, Grade 50, Columns, Steel Reinforcement Bar.....	1.24	
For Up To 100, Add	0.78	
For >100 To 200, Add	0.43	
For >200 To 500, Add	0.17	
03 21 11 00-0047 LF #5, Grade 50, Columns, Steel Reinforcement Bar.....	1.84	
For Up To 100, Add	1.19	
For >100 To 200, Add	0.65	
For >200 To 500, Add	0.26	
03 21 11 00-0048 LF #6, Grade 50, Columns, Steel Reinforcement Bar.....	2.53	
For Up To 100, Add	1.67	
For >100 To 200, Add	0.91	
For >200 To 500, Add	0.36	
03 21 11 00-0049 LF #3, Grade 60, Columns, Steel Reinforcement Bar.....	0.75	
For Up To 100, Add	0.47	
For >100 To 200, Add	0.26	
For >200 To 500, Add	0.10	
03 21 11 00-0050 LF #4, Grade 60, Columns, Steel Reinforcement Bar.....	1.28	
For Up To 100, Add	0.82	
For >100 To 200, Add	0.45	
For >200 To 500, Add	0.18	
03 21 11 00-0051 LF #5, Grade 60, Columns, Steel Reinforcement Bar.....	1.89	
For Up To 100, Add	1.24	
For >100 To 200, Add	0.68	
For >200 To 500, Add	0.27	
03 21 11 00-0052 LF #6, Grade 60, Columns, Steel Reinforcement Bar.....	2.61	
For Up To 100, Add	1.75	
For >100 To 200, Add	0.95	
For >200 To 500, Add	0.38	
03 21 11 00-0053 LF #7, Grade 60, Columns, Steel Reinforcement Bar.....	3.37	
For Up To 100, Add	1.82	
For >100 To 200, Add	1.08	
For >200 To 400, Add	0.50	
03 21 11 00-0054 LF #8, Grade 60, Columns, Steel Reinforcement Bar.....	4.16	
For Up To 100, Add	2.29	
For >100 To 200, Add	1.35	
For >200 To 400, Add	0.62	
03 21 11 00-0055 LF #9, Grade 60, Columns, Steel Reinforcement Bar.....	5.09	
For Up To 100, Add	2.84	
For >100 To 200, Add	1.67	
For >200 To 400, Add	0.77	
03 21 11 00-0056 LF #10, Grade 60, Columns, Steel Reinforcement Bar.....	6.18	
For Up To 100, Add	2.86	
For >100 To 200, Add	1.57	
For >200 To 300, Add	0.79	
03 21 11 00-0057 LF #11, Grade 60, Columns, Steel Reinforcement Bar.....	7.31	
For Up To 100, Add	3.43	
For >100 To 200, Add	1.88	
For >200 To 300, Add	0.94	
03 21 11 00-0058 LF #14, Grade 60, Columns, Steel Reinforcement Bar.....	10.08	
For Up To 100, Add	4.81	
For >100 To 200, Add	2.61	
For >200 To 300, Add	1.31	
03 21 11 00-0059 LF #18, Grade 60, Columns, Steel Reinforcement Bar.....	17.09	
For Up To 100, Add	8.30	
For >100 To 200, Add	4.48	
For >200 To 300, Add	2.24	
03 21 11 00-0060 LF #6, Grade 75, Columns, Steel Reinforcement Bar.....	2.69	
For Up To 100, Add	1.83	
For >100 To 200, Add	0.99	
For >200 To 500, Add	0.39	
03 21 11 00-0061 LF #7, Grade 75, Columns, Steel Reinforcement Bar.....	3.48	
For Up To 100, Add	1.90	
For >100 To 200, Add	1.13	
For >200 To 400, Add	0.52	
03 21 11 00-0062 LF #8, Grade 75, Columns, Steel Reinforcement Bar.....	4.30	
For Up To 100, Add	2.39	
For >100 To 200, Add	1.41	
For >200 To 400, Add	0.65	
03 21 11 00-0063 LF #9, Grade 75, Columns, Steel Reinforcement Bar.....	5.26	
For Up To 100, Add	2.97	
For >100 To 200, Add	1.74	
For >200 To 400, Add	0.81	
03 21 11 00-0064 LF #10, Grade 75, Columns, Steel Reinforcement Bar.....	6.40	
For Up To 100, Add	2.99	
For >100 To 200, Add	1.64	
For >200 To 300, Add	0.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0065	LF		#11, Grade 75, Columns, Steel Reinforcement Bar	7.59	
			For Up To 100, Add	3.60	
			For >100 To 200, Add	1.96	
			For >200 To 300, Add	0.98	
03 21 11 00-0066	LF		#14, Grade 75, Columns, Steel Reinforcement Bar	10.48	
			For Up To 100, Add	5.05	
			For >100 To 200, Add	2.73	
			For >200 To 300, Add	1.37	
03 21 11 00-0067	LF		#18, Grade 75, Columns, Steel Reinforcement Bar	17.79	
			For Up To 100, Add	8.72	
			For >100 To 200, Add	4.69	
			For >200 To 300, Add	2.34	
03 21 11 00-0068	LF		#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.77	
			For Up To 100, Add	0.49	
			For >100 To 200, Add	0.27	
			For >200 To 500, Add	0.11	
03 21 11 00-0069	LF		#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.31	
			For Up To 100, Add	0.85	
			For >100 To 200, Add	0.47	
			For >200 To 500, Add	0.19	
03 21 11 00-0070	LF		#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.93	
			For Up To 100, Add	1.28	
			For >100 To 200, Add	0.70	
			For >200 To 500, Add	0.28	
03 21 11 00-0071	LF		#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.67	
			For Up To 100, Add	1.81	
			For >100 To 200, Add	0.98	
			For >200 To 500, Add	0.39	
03 21 11 00-0072	LF		#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.45	
			For Up To 100, Add	1.88	
			For >100 To 200, Add	1.11	
			For >200 To 400, Add	0.51	
03 21 11 00-0073	LF		#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.26	
			For Up To 100, Add	2.36	
			For >100 To 200, Add	1.39	
			For >200 To 400, Add	0.64	
03 21 11 00-0074	LF		#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.22	
			For Up To 100, Add	2.94	
			For >100 To 200, Add	1.72	
			For >200 To 400, Add	0.80	
03 21 11 00-0075	LF		#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.34	
			For Up To 100, Add	2.96	
			For >100 To 200, Add	1.62	
			For >200 To 300, Add	0.81	
03 21 11 00-0076	LF		#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.52	
			For Up To 100, Add	3.56	
			For >100 To 200, Add	1.94	
			For >200 To 300, Add	0.97	
03 21 11 00-0077	LF		#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	10.38	
			For Up To 100, Add	4.99	
			For >100 To 200, Add	2.70	
			For >200 To 300, Add	1.35	
03 21 11 00-0078	LF		#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	17.62	
			For Up To 100, Add	8.62	
			For >100 To 200, Add	4.64	
			For >200 To 300, Add	2.32	
03 21 11 00-0079			Footings, Steel Reinforcement Bar <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0080	LF		#3, Grade 40, Footings, Steel Reinforcement Bar	0.62	
			For Up To 100, Add	0.40	
			For >100 To 200, Add	0.22	
			For >200 To 500, Add	0.09	
03 21 11 00-0081	LF		#4, Grade 40, Footings, Steel Reinforcement Bar	1.05	
			For Up To 100, Add	0.70	
			For >100 To 200, Add	0.38	
			For >200 To 500, Add	0.15	
03 21 11 00-0082	LF		#5, Grade 40, Footings, Steel Reinforcement Bar	1.57	
			For Up To 100, Add	1.06	
			For >100 To 200, Add	0.57	
			For >200 To 500, Add	0.23	
03 21 11 00-0083	LF		#6, Grade 40, Footings, Steel Reinforcement Bar	2.16	
			For Up To 100, Add	1.49	
			For >100 To 200, Add	0.80	
			For >200 To 500, Add	0.32	
03 21 11 00-0084	LF		#3, Grade 50, Footings, Steel Reinforcement Bar	0.63	
			For Up To 100, Add	0.41	
			For >100 To 200, Add	0.23	
			For >200 To 500, Add	0.09	
03 21 11 00-0085	LF		#4, Grade 50, Footings, Steel Reinforcement Bar	1.07	
			For Up To 100, Add	0.72	
			For >100 To 200, Add	0.39	
			For >200 To 500, Add	0.16	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0086 LF #5, Grade 50, Footings, Steel Reinforcement Bar	1.61	
For Up To 100, Add	1.10	
For >100 To 200, Add	0.59	
For >200 To 500, Add	0.24	
03 21 11 00-0087 LF #6, Grade 50, Footings, Steel Reinforcement Bar	2.21	
For Up To 100, Add	1.54	
For >100 To 200, Add	0.83	
For >200 To 500, Add	0.33	
03 21 11 00-0088 LF #3, Grade 60, Footings, Steel Reinforcement Bar	0.65	
For Up To 100, Add	0.43	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.09	
03 21 11 00-0089 LF #4, Grade 60, Footings, Steel Reinforcement Bar	1.11	
For Up To 100, Add	0.76	
For >100 To 200, Add	0.41	
For >200 To 500, Add	0.16	
03 21 11 00-0090 LF #5, Grade 60, Footings, Steel Reinforcement Bar	1.66	
For Up To 100, Add	1.15	
For >100 To 200, Add	0.62	
For >200 To 500, Add	0.25	
03 21 11 00-0091 LF #6, Grade 60, Footings, Steel Reinforcement Bar	2.29	
For Up To 100, Add	1.62	
For >100 To 200, Add	0.87	
For >200 To 500, Add	0.35	
03 21 11 00-0092 LF #7, Grade 60, Footings, Steel Reinforcement Bar	2.97	
For Up To 100, Add	1.68	
For >100 To 200, Add	0.98	
For >200 To 400, Add	0.46	
03 21 11 00-0093 LF #8, Grade 60, Footings, Steel Reinforcement Bar	3.69	
For Up To 100, Add	2.12	
For >100 To 200, Add	1.23	
For >200 To 400, Add	0.58	
03 21 11 00-0094 LF #9, Grade 60, Footings, Steel Reinforcement Bar	4.54	
For Up To 100, Add	2.65	
For >100 To 200, Add	1.53	
For >200 To 400, Add	0.72	
03 21 11 00-0095 LF #10, Grade 60, Footings, Steel Reinforcement Bar	5.54	
For Up To 100, Add	3.28	
For >100 To 200, Add	1.89	
For >200 To 400, Add	0.89	
For Up To 100, Add	2.67	
For >100 To 200, Add	1.44	
For >200 To 300, Add	0.72	
03 21 11 00-0096 LF #11, Grade 60, Footings, Steel Reinforcement Bar	6.59	
For Up To 100, Add	3.96	
For >100 To 200, Add	2.27	
For >200 To 400, Add	1.07	
For Up To 100, Add	3.22	
For >100 To 200, Add	1.73	
For >200 To 300, Add	0.87	
03 21 11 00-0097 LF #14, Grade 60, Footings, Steel Reinforcement Bar	9.14	
For Up To 100, Add	5.58	
For >100 To 200, Add	3.18	
For >200 To 400, Add	1.51	
For Up To 100, Add	4.53	
For >100 To 200, Add	2.42	
For >200 To 300, Add	1.21	
03 21 11 00-0098 LF #18, Grade 60, Footings, Steel Reinforcement Bar	15.61	
For Up To 100, Add	9.70	
For >100 To 200, Add	5.49	
For >200 To 400, Add	2.62	
For Up To 100, Add	7.86	
For >100 To 200, Add	4.18	
For >200 To 300, Add	2.09	
03 21 11 00-0099 LF #6, Grade 75, Footings, Steel Reinforcement Bar	2.37	
For Up To 100, Add	1.70	
For >100 To 200, Add	0.91	
For >200 To 500, Add	0.36	
For Up To 100, Add	1.33	
For >100 To 200, Add	0.78	
For >200 To 400, Add	0.36	
03 21 11 00-0100 LF #7, Grade 75, Footings, Steel Reinforcement Bar	3.08	
For Up To 100, Add	1.76	
For >100 To 200, Add	1.03	
For >200 To 400, Add	0.48	
03 21 11 00-0101 LF #8, Grade 75, Footings, Steel Reinforcement Bar	3.83	
For Up To 100, Add	2.23	
For >100 To 200, Add	1.29	
For >200 To 400, Add	0.61	
03 21 11 00-0102 LF #9, Grade 75, Footings, Steel Reinforcement Bar	4.71	
For Up To 100, Add	2.78	
For >100 To 200, Add	1.60	
For >200 To 400, Add	0.75	
03 21 11 00-0103 LF #10, Grade 75, Footings, Steel Reinforcement Bar	5.76	
For Up To 100, Add	2.80	
For >100 To 200, Add	1.51	
For >200 To 300, Add	0.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0104	LF		#11, Grade 75, Footings, Steel Reinforcement Bar	6.87	
			For Up To 100, Add	3.38	
			For >100 To 200, Add	1.82	
			For >200 To 300, Add	0.91	
03 21 11 00-0105	LF		#14, Grade 75, Footings, Steel Reinforcement Bar	9.54	
			For Up To 100, Add	4.77	
			For >100 To 200, Add	2.54	
			For >200 To 300, Add	1.27	
03 21 11 00-0106	LF		#18, Grade 75, Footings, Steel Reinforcement Bar	16.31	
			For Up To 100, Add	8.28	
			For >100 To 200, Add	4.39	
			For >200 To 300, Add	2.20	
03 21 11 00-0107	LF		#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.67	
			For Up To 100, Add	0.45	
			For >100 To 200, Add	0.25	
			For >200 To 500, Add	0.10	
03 21 11 00-0108	LF		#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.14	
			For Up To 100, Add	0.79	
			For >100 To 200, Add	0.42	
			For >200 To 500, Add	0.17	
03 21 11 00-0109	LF		#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.70	
			For Up To 100, Add	1.19	
			For >100 To 200, Add	0.64	
			For >200 To 500, Add	0.26	
03 21 11 00-0110	LF		#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.35	
			For Up To 100, Add	1.68	
			For >100 To 200, Add	0.90	
			For >200 To 500, Add	0.36	
03 21 11 00-0111	LF		#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.05	
			For Up To 100, Add	1.74	
			For >100 To 200, Add	1.01	
			For >200 To 400, Add	0.47	
03 21 11 00-0112	LF		#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.79	
			For Up To 100, Add	2.20	
			For >100 To 200, Add	1.27	
			For >200 To 400, Add	0.60	
03 21 11 00-0113	LF		#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.67	
			For Up To 100, Add	2.75	
			For >100 To 200, Add	1.58	
			For >200 To 400, Add	0.75	
03 21 11 00-0114	LF		#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	5.70	
			For Up To 100, Add	2.76	
			For >100 To 200, Add	1.49	
			For >200 To 300, Add	0.75	
03 21 11 00-0115	LF		#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.80	
			For Up To 100, Add	3.34	
			For >100 To 200, Add	1.79	
			For >200 To 300, Add	0.90	
03 21 11 00-0116	LF		#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	9.44	
			For Up To 100, Add	4.71	
			For >100 To 200, Add	2.51	
			For >200 To 300, Add	1.26	
03 21 11 00-0117	LF		#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	16.14	
			For Up To 100, Add	8.18	
			For >100 To 200, Add	4.34	
			For >200 To 300, Add	2.17	
03 21 11 00-0118			Slab On Grade, Steel Reinforcement Bar (03 21 11)		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0119	LF		#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.60	
			For Up To 100, Add	0.40	
			For >100 To 200, Add	0.22	
			For >200 To 500, Add	0.09	
03 21 11 00-0120	LF		#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.01	
			For Up To 100, Add	0.68	
			For >100 To 200, Add	0.37	
			For >200 To 500, Add	0.15	
03 21 11 00-0121	LF		#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.51	
			For Up To 100, Add	1.04	
			For >100 To 200, Add	0.56	
			For >200 To 500, Add	0.22	
03 21 11 00-0122	LF		#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.08	
			For Up To 100, Add	1.46	
			For >100 To 200, Add	0.78	
			For >200 To 500, Add	0.31	
03 21 11 00-0123	LF		#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.61	
			For Up To 100, Add	0.41	
			For >100 To 200, Add	0.22	
			For >200 To 500, Add	0.09	
03 21 11 00-0124	LF		#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.03	
			For Up To 100, Add	0.70	
			For >100 To 200, Add	0.38	
			For >200 To 500, Add	0.15	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0125 LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.55	
For Up To 100, Add	1.08	
For >100 To 200, Add	0.58	
For >200 To 500, Add	0.23	
03 21 11 00-0126 LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.13	
For Up To 100, Add	1.51	
For >100 To 200, Add	0.81	
For >200 To 500, Add	0.32	
03 21 11 00-0127 LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.63	
For Up To 100, Add	0.43	
For >100 To 200, Add	0.23	
For >200 To 500, Add	0.09	
03 21 11 00-0128 LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.07	
For Up To 100, Add	0.74	
For >100 To 200, Add	0.40	
For >200 To 500, Add	0.16	
03 21 11 00-0129 LF #5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.60	
For Up To 100, Add	1.13	
For >100 To 200, Add	0.60	
For >200 To 500, Add	0.24	
03 21 11 00-0130 LF #6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.21	
For Up To 100, Add	1.59	
For >100 To 200, Add	0.85	
For >200 To 500, Add	0.34	
03 21 11 00-0131 LF #7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.89	
For Up To 100, Add	1.65	
For >100 To 200, Add	0.96	
For >200 To 400, Add	0.45	
03 21 11 00-0132 LF #8, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.60	
For Up To 100, Add	2.09	
For >100 To 200, Add	1.21	
For >200 To 400, Add	0.57	
03 21 11 00-0133 LF #9, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.43	
For Up To 100, Add	2.61	
For >100 To 200, Add	1.51	
For >200 To 400, Add	0.71	
03 21 11 00-0134 LF #10, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.41	
For Up To 100, Add	2.63	
For >100 To 200, Add	1.42	
For >200 To 300, Add	0.71	
03 21 11 00-0135 LF #11, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.45	
For Up To 100, Add	3.17	
For >100 To 200, Add	1.70	
For >200 To 300, Add	0.85	
03 21 11 00-0136 LF #14, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.94	
For Up To 100, Add	4.47	
For >100 To 200, Add	2.38	
For >200 To 300, Add	1.19	
03 21 11 00-0137 LF #18, Grade 60, Slab On Grade, Steel Reinforcement Bar	15.32	
For Up To 100, Add	7.77	
For >100 To 200, Add	4.12	
For >200 To 300, Add	2.06	
03 21 11 00-0138 LF #6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.29	
For Up To 100, Add	1.67	
For >100 To 200, Add	0.89	
For >200 To 500, Add	0.35	
03 21 11 00-0139 LF #7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.00	
For Up To 100, Add	1.73	
For >100 To 200, Add	1.01	
For >200 To 400, Add	0.47	
03 21 11 00-0140 LF #8, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.74	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.27	
For >200 To 400, Add	0.60	
03 21 11 00-0141 LF #9, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.60	
For Up To 100, Add	2.74	
For >100 To 200, Add	1.57	
For >200 To 400, Add	0.74	
03 21 11 00-0142 LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.63	
For Up To 100, Add	2.76	
For >100 To 200, Add	1.48	
For >200 To 300, Add	0.74	
03 21 11 00-0143 LF #11, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.73	
For Up To 100, Add	3.34	
For >100 To 200, Add	1.79	
For >200 To 300, Add	0.89	
03 21 11 00-0144 LF #14, Grade 75, Slab On Grade, Steel Reinforcement Bar	9.34	
For Up To 100, Add	4.71	
For >100 To 200, Add	2.50	
For >200 To 300, Add	1.25	
03 21 11 00-0145 LF #18, Grade 75, Slab On Grade, Steel Reinforcement Bar	16.02	
For Up To 100, Add	8.19	
For >100 To 200, Add	4.33	
For >200 To 300, Add	2.17	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	0.65	
		For Up To 100, Add		0.45	
		For >100 To 200, Add		0.24	
		For >200 To 500, Add		0.10	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.10	
		For Up To 100, Add		0.77	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.17	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.64	
		For Up To 100, Add		1.17	
		For >100 To 200, Add		0.62	
		For >200 To 500, Add		0.25	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.27	
		For Up To 100, Add		1.65	
		For >100 To 200, Add		0.88	
		For >200 To 500, Add		0.35	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.97	
		For Up To 100, Add		1.71	
		For >100 To 200, Add		0.99	
		For >200 To 400, Add		0.46	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	3.70	
		For Up To 100, Add		2.17	
		For >100 To 200, Add		1.25	
		For >200 To 400, Add		0.59	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	4.56	
		For Up To 100, Add		2.71	
		For >100 To 200, Add		1.56	
		For >200 To 400, Add		0.73	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	5.57	
		For Up To 100, Add		2.72	
		For >100 To 200, Add		1.47	
		For >200 To 300, Add		0.73	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	6.66	
		For Up To 100, Add		3.30	
		For >100 To 200, Add		1.77	
		For >200 To 300, Add		0.88	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	9.24	
		For Up To 100, Add		4.65	
		For >100 To 200, Add		2.47	
		For >200 To 300, Add		1.24	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	15.85	
		For Up To 100, Add		8.09	
		For >100 To 200, Add		4.28	
		For >200 To 300, Add		2.14	
03 21 11 00-0157		Elevated Slabs, Steel Reinforcement Bar <small>(03 21 11)</small>			
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	0.55	
		For Up To 100, Add		0.38	
		For >100 To 200, Add		0.20	
		For >200 To 500, Add		0.08	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	0.94	
		For Up To 100, Add		0.65	
		For >100 To 200, Add		0.35	
		For >200 To 500, Add		0.14	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.41	
		For Up To 100, Add		1.00	
		For >100 To 200, Add		0.53	
		For >200 To 500, Add		0.21	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.95	
		For Up To 100, Add		1.40	
		For >100 To 200, Add		0.75	
		For >200 To 500, Add		0.30	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	0.56	
		For Up To 100, Add		0.39	
		For >100 To 200, Add		0.21	
		For >200 To 500, Add		0.08	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	0.96	
		For Up To 100, Add		0.67	
		For >100 To 200, Add		0.36	
		For >200 To 500, Add		0.14	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.45	
		For Up To 100, Add		1.04	
		For >100 To 200, Add		0.55	
		For >200 To 500, Add		0.22	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	2.00	
		For Up To 100, Add		1.45	
		For >100 To 200, Add		0.77	
		For >200 To 500, Add		0.31	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	0.58	
		For Up To 100, Add		0.41	
		For >100 To 200, Add		0.22	
		For >200 To 500, Add		0.09	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0167 LF #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.00	
<i>For Up To 100, Add</i>	0.71	
<i>For >100 To 200, Add</i>	0.38	
<i>For >200 To 500, Add</i>	0.15	
03 21 11 00-0168 LF #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.50	
<i>For Up To 100, Add</i>	1.09	
<i>For >100 To 200, Add</i>	0.58	
<i>For >200 To 500, Add</i>	0.23	
03 21 11 00-0169 LF #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.08	
<i>For Up To 100, Add</i>	1.53	
<i>For >100 To 200, Add</i>	0.81	
<i>For >200 To 500, Add</i>	0.33	
03 21 11 00-0170 LF #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.73	
<i>For Up To 100, Add</i>	1.59	
<i>For >100 To 200, Add</i>	0.92	
<i>For >200 To 400, Add</i>	0.43	
03 21 11 00-0171 LF #8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.40	
<i>For Up To 100, Add</i>	2.02	
<i>For >100 To 200, Add</i>	1.16	
<i>For >200 To 400, Add</i>	0.55	
03 21 11 00-0172 LF #9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.21	
<i>For Up To 100, Add</i>	2.53	
<i>For >100 To 200, Add</i>	1.45	
<i>For >200 To 400, Add</i>	0.69	
03 21 11 00-0173 LF #10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.16	
<i>For Up To 100, Add</i>	2.55	
<i>For >100 To 200, Add</i>	1.37	
<i>For >200 To 300, Add</i>	0.68	
03 21 11 00-0174 LF #11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.16	
<i>For Up To 100, Add</i>	3.09	
<i>For >100 To 200, Add</i>	1.65	
<i>For >200 To 300, Add</i>	0.82	
03 21 11 00-0175 LF #14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.57	
<i>For Up To 100, Add</i>	4.36	
<i>For >100 To 200, Add</i>	2.31	
<i>For >200 To 300, Add</i>	1.15	
03 21 11 00-0176 LF #18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	14.73	
<i>For Up To 100, Add</i>	7.59	
<i>For >100 To 200, Add</i>	4.00	
<i>For >200 To 300, Add</i>	2.00	
03 21 11 00-0177 LF #6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.16	
<i>For Up To 100, Add</i>	1.61	
<i>For >100 To 200, Add</i>	0.85	
<i>For >200 To 500, Add</i>	0.34	
03 21 11 00-0178 LF #7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.84	
<i>For Up To 100, Add</i>	1.67	
<i>For >100 To 200, Add</i>	0.97	
<i>For >200 To 400, Add</i>	0.45	
03 21 11 00-0179 LF #8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.54	
<i>For Up To 100, Add</i>	2.13	
<i>For >100 To 200, Add</i>	1.22	
<i>For >200 To 400, Add</i>	0.58	
03 21 11 00-0180 LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.38	
<i>For Up To 100, Add</i>	2.66	
<i>For >100 To 200, Add</i>	1.52	
<i>For >200 To 400, Add</i>	0.72	
03 21 11 00-0181 LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.38	
<i>For Up To 100, Add</i>	2.69	
<i>For >100 To 200, Add</i>	1.43	
<i>For >200 To 300, Add</i>	0.72	
03 21 11 00-0182 LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.44	
<i>For Up To 100, Add</i>	3.26	
<i>For >100 To 200, Add</i>	1.73	
<i>For >200 To 300, Add</i>	0.86	
03 21 11 00-0183 LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.97	
<i>For Up To 100, Add</i>	4.60	
<i>For >100 To 200, Add</i>	2.43	
<i>For >200 To 300, Add</i>	1.21	
03 21 11 00-0184 LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	15.43	
<i>For Up To 100, Add</i>	8.01	
<i>For >100 To 200, Add</i>	4.21	
<i>For >200 To 300, Add</i>	2.11	
03 21 11 00-0185 LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.60	
<i>For Up To 100, Add</i>	0.43	
<i>For >100 To 200, Add</i>	0.23	
<i>For >200 To 500, Add</i>	0.09	
03 21 11 00-0186 LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.03	
<i>For Up To 100, Add</i>	0.74	
<i>For >100 To 200, Add</i>	0.40	
<i>For >200 To 500, Add</i>	0.16	
03 21 11 00-0187 LF #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.54	
<i>For Up To 100, Add</i>	1.13	
<i>For >100 To 200, Add</i>	0.60	
<i>For >200 To 500, Add</i>	0.24	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0188	LF		#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.14	
			For Up To 100, Add	1.59	
			For >100 To 200, Add	0.84	
			For >200 To 500, Add	0.34	
03 21 11 00-0189	LF		#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.81	
			For Up To 100, Add	1.65	
			For >100 To 200, Add	0.95	
			For >200 To 400, Add	0.45	
03 21 11 00-0190	LF		#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.50	
			For Up To 100, Add	2.10	
			For >100 To 200, Add	1.20	
			For >200 To 400, Add	0.57	
03 21 11 00-0191	LF		#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.34	
			For Up To 100, Add	2.63	
			For >100 To 200, Add	1.50	
			For >200 To 400, Add	0.71	
03 21 11 00-0192	LF		#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.32	
			For Up To 100, Add	2.65	
			For >100 To 200, Add	1.42	
			For >200 To 300, Add	0.71	
03 21 11 00-0193	LF		#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.37	
			For Up To 100, Add	3.21	
			For >100 To 200, Add	1.71	
			For >200 To 300, Add	0.85	
03 21 11 00-0194	LF		#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.87	
			For Up To 100, Add	4.54	
			For >100 To 200, Add	2.40	
			For >200 To 300, Add	1.20	
03 21 11 00-0195	LF		#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	15.26	
			For Up To 100, Add	7.91	
			For >100 To 200, Add	4.16	
			For >200 To 300, Add	2.08	
03 21 11 00-0196			Walls, Steel Reinforcement Bar (03 21 11) Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF		#3, Grade 40, Walls, Steel Reinforcement Bar	0.53	
			For Up To 100, Add	0.37	
			For >100 To 200, Add	0.20	
			For >200 To 500, Add	0.08	
03 21 11 00-0198	LF		#4, Grade 40, Walls, Steel Reinforcement Bar	0.90	
			For Up To 100, Add	0.64	
			For >100 To 200, Add	0.34	
			For >200 To 500, Add	0.14	
03 21 11 00-0199	LF		#5, Grade 40, Walls, Steel Reinforcement Bar	1.36	
			For Up To 100, Add	0.98	
			For >100 To 200, Add	0.52	
			For >200 To 500, Add	0.21	
03 21 11 00-0200	LF		#6, Grade 40, Walls, Steel Reinforcement Bar	1.89	
			For Up To 100, Add	1.38	
			For >100 To 200, Add	0.73	
			For >200 To 500, Add	0.29	
03 21 11 00-0201	LF		#3, Grade 50, Walls, Steel Reinforcement Bar	0.54	
			For Up To 100, Add	0.38	
			For >100 To 200, Add	0.20	
			For >200 To 500, Add	0.08	
03 21 11 00-0202	LF		#4, Grade 50, Walls, Steel Reinforcement Bar	0.92	
			For Up To 100, Add	0.66	
			For >100 To 200, Add	0.35	
			For >200 To 500, Add	0.14	
03 21 11 00-0203	LF		#5, Grade 50, Walls, Steel Reinforcement Bar	1.40	
			For Up To 100, Add	1.02	
			For >100 To 200, Add	0.54	
			For >200 To 500, Add	0.22	
03 21 11 00-0204	LF		#6, Grade 50, Walls, Steel Reinforcement Bar	1.94	
			For Up To 100, Add	1.43	
			For >100 To 200, Add	0.76	
			For >200 To 500, Add	0.30	
03 21 11 00-0205	LF		#3, Grade 60, Walls, Steel Reinforcement Bar	0.56	
			For Up To 100, Add	0.40	
			For >100 To 200, Add	0.21	
			For >200 To 500, Add	0.09	
03 21 11 00-0206	LF		#4, Grade 60, Walls, Steel Reinforcement Bar	0.96	
			For Up To 100, Add	0.70	
			For >100 To 200, Add	0.37	
			For >200 To 500, Add	0.15	
03 21 11 00-0207	LF		#5, Grade 60, Walls, Steel Reinforcement Bar	1.45	
			For Up To 100, Add	1.07	
			For >100 To 200, Add	0.57	
			For >200 To 500, Add	0.23	
03 21 11 00-0208	LF		#6, Grade 60, Walls, Steel Reinforcement Bar	2.02	
			For Up To 100, Add	1.51	
			For >100 To 200, Add	0.80	
			For >200 To 500, Add	0.32	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar	2.63	
<i>For Up To 100, Add</i>	1.56	
<i>For >100 To 200, Add</i>	0.90	
<i>For >200 To 400, Add</i>	0.42	
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar	3.31	
<i>For Up To 100, Add</i>	1.99	
<i>For >100 To 200, Add</i>	1.14	
<i>For >200 To 400, Add</i>	0.54	
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar	4.10	
<i>For Up To 100, Add</i>	2.50	
<i>For >100 To 200, Add</i>	1.42	
<i>For >200 To 400, Add</i>	0.68	
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar	5.03	
<i>For Up To 100, Add</i>	2.51	
<i>For >100 To 200, Add</i>	1.34	
<i>For >200 To 300, Add</i>	0.67	
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar	6.02	
<i>For Up To 100, Add</i>	3.05	
<i>For >100 To 200, Add</i>	1.62	
<i>For >200 To 300, Add</i>	0.81	
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar	8.39	
<i>For Up To 100, Add</i>	4.30	
<i>For >100 To 200, Add</i>	2.27	
<i>For >200 To 300, Add</i>	1.14	
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar	14.44	
<i>For Up To 100, Add</i>	7.51	
<i>For >100 To 200, Add</i>	3.95	
<i>For >200 To 300, Add</i>	1.97	
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar	2.10	
<i>For Up To 100, Add</i>	1.59	
<i>For >100 To 200, Add</i>	0.84	
<i>For >200 To 500, Add</i>	0.34	
03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar	2.74	
<i>For Up To 100, Add</i>	1.64	
<i>For >100 To 200, Add</i>	0.94	
<i>For >200 To 400, Add</i>	0.44	
03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar	3.45	
<i>For Up To 100, Add</i>	2.10	
<i>For >100 To 200, Add</i>	1.20	
<i>For >200 To 400, Add</i>	0.57	
03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar	4.27	
<i>For Up To 100, Add</i>	2.62	
<i>For >100 To 200, Add</i>	1.49	
<i>For >200 To 400, Add</i>	0.71	
03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar	5.25	
<i>For Up To 100, Add</i>	2.65	
<i>For >100 To 200, Add</i>	1.41	
<i>For >200 To 300, Add</i>	0.70	
03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar	6.30	
<i>For Up To 100, Add</i>	3.21	
<i>For >100 To 200, Add</i>	1.70	
<i>For >200 To 300, Add</i>	0.85	
03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar	8.79	
<i>For Up To 100, Add</i>	4.54	
<i>For >100 To 200, Add</i>	2.39	
<i>For >200 To 300, Add</i>	1.20	
03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar	15.14	
<i>For Up To 100, Add</i>	7.93	
<i>For >100 To 200, Add</i>	4.16	
<i>For >200 To 300, Add</i>	2.08	
03 21 11 00-0224 LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.58	
<i>For Up To 100, Add</i>	0.42	
<i>For >100 To 200, Add</i>	0.22	
<i>For >200 To 500, Add</i>	0.09	
03 21 11 00-0225 LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.99	
<i>For Up To 100, Add</i>	0.73	
<i>For >100 To 200, Add</i>	0.39	
<i>For >200 To 500, Add</i>	0.15	
03 21 11 00-0226 LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.49	
<i>For Up To 100, Add</i>	1.11	
<i>For >100 To 200, Add</i>	0.59	
<i>For >200 To 500, Add</i>	0.23	
03 21 11 00-0227 LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.08	
<i>For Up To 100, Add</i>	1.57	
<i>For >100 To 200, Add</i>	0.83	
<i>For >200 To 500, Add</i>	0.33	
03 21 11 00-0228 LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.71	
<i>For Up To 100, Add</i>	1.62	
<i>For >100 To 200, Add</i>	0.93	
<i>For >200 To 400, Add</i>	0.44	
03 21 11 00-0229 LF #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.41	
<i>For Up To 100, Add</i>	2.07	
<i>For >100 To 200, Add</i>	1.18	
<i>For >200 To 400, Add</i>	0.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0230	LF		#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	4.23	
			<i>For Up To 100, Add</i>	2.59	
			<i>For >100 To 200, Add</i>	1.47	
			<i>For >200 To 400, Add</i>	0.70	
03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	5.19	
			<i>For Up To 100, Add</i>	2.61	
			<i>For >100 To 200, Add</i>	1.39	
			<i>For >200 To 300, Add</i>	0.69	
03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	6.23	
			<i>For Up To 100, Add</i>	3.17	
			<i>For >100 To 200, Add</i>	1.68	
			<i>For >200 To 300, Add</i>	0.84	
03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	8.69	
			<i>For Up To 100, Add</i>	4.48	
			<i>For >100 To 200, Add</i>	2.36	
			<i>For >200 To 300, Add</i>	1.18	
03 21 11 00-0234	LF		#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	14.97	
			<i>For Up To 100, Add</i>	7.82	
			<i>For >100 To 200, Add</i>	4.11	
			<i>For >200 To 300, Add</i>	2.05	
03 21 11 00-0235			Mechanical Joint Connection (03 21 11)		
03 21 11 00-0236			Thermal Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0237	EA		Thermal Type Mechanical Joint Connection, Add Per Splice.....	221.69	
03 21 11 00-0238			Screwed Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0239	EA		Screwed Type Mechanical Joint Connection, Add Per Splice.....	121.78	
03 21 11 00-0240			Deformed Straight Dowels (03 21 11)		
			Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel.....	3.08	
			<i>For Up To 12" Length, Deduct</i>	-0.34	
			<i>For >12" To <24" Length, Deduct</i>	-0.17	
03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel.....	3.68	
			<i>For Up To 12" Length, Deduct</i>	-0.45	
			<i>For >12" To <24" Length, Deduct</i>	-0.23	
03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel.....	4.46	
			<i>For Up To 12" Length, Deduct</i>	-0.71	
			<i>For >12" To <24" Length, Deduct</i>	-0.36	
03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel.....	5.39	
			<i>For Up To 12" Length, Deduct</i>	-1.02	
			<i>For >12" To <24" Length, Deduct</i>	-0.51	
03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel.....	6.32	
			<i>For Up To 12" Length, Deduct</i>	-1.43	
			<i>For >12" To <24" Length, Deduct</i>	-0.71	
03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel.....	7.97	
			<i>For Up To 12" Length, Deduct</i>	-1.83	
			<i>For >12" To <24" Length, Deduct</i>	-0.92	
03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel.....	9.36	
			<i>For Up To 12" Length, Deduct</i>	-2.26	
			<i>For >12" To <24" Length, Deduct</i>	-1.13	
03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel.....	11.43	
			<i>For Up To 12" Length, Deduct</i>	-2.95	
			<i>For >12" To <24" Length, Deduct</i>	-1.47	
03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel.....	13.55	
			<i>For Up To 12" Length, Deduct</i>	-3.64	
			<i>For >12" To <24" Length, Deduct</i>	-1.82	
03 21 11 00-0250			Spirals, Reinforcing Steel (03 21 11)		
03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,577.68	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,534.82	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,502.15	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,448.70	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,376.42	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,349.03	
			<i>For Grade 75, Add</i>	137.74	
03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,288.52	
			<i>For Grade 75, Add</i>	137.74	
03 21 11 00-0258			Dowel Or Hairpin, Drilled And Epoxy Into Concrete (03 21 11)		
03 21 11 00-0259	EA		Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment.....	30.30	
03 21 11 00-0260	EA		Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment.....	31.65	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 21 11 00-0261	Accessories For Reinforcing Steel <small>(03 21 11)</small>	
03 21 11 00-0262	Reinforcing Steel Lap-Weld Splice <small>(03 21 11 00-0261)</small>	
03 21 11 00-0263 EA	Up To #6 Reinforcing Steel Lap-Weld Splice.....	60.31
03 21 11 00-0264 EA	>#6 Reinforcing Steel Lap-Weld Splice.....	95.34

03 21 11 00-0265	Reinforcing Steel Sleeve And Wedge Splice Joint <small>(03 21 11 00-0261)</small>	
03 21 11 00-0266 EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	32.98
03 21 11 00-0267 EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	49.01
03 21 11 00-0268 EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	71.67

03 21 13 Galvanized Reinforcement Steel Bars (03 21)

03 21 13 00-0001	Beams And Girders, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>	
	Note: ASTM A-767 Hot Dipped Galvanized Steel.	
03 21 13 00-0002 LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.81
	For Up To 100, Add	0.56
	For >100 To 200, Add	0.30
	For >200 To 500, Add	0.12
03 21 13 00-0003 LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.38
	For Up To 100, Add	0.97
	For >100 To 200, Add	0.52
	For >200 To 500, Add	0.21
03 21 13 00-0004 LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.08
	For Up To 100, Add	1.49
	For >100 To 200, Add	0.79
	For >200 To 500, Add	0.32
03 21 13 00-0005 LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.88
	For Up To 100, Add	2.09
	For >100 To 200, Add	1.11
	For >200 To 500, Add	0.45
03 21 13 00-0006 LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.83
	For Up To 100, Add	0.58
	For >100 To 200, Add	0.31
	For >200 To 500, Add	0.12
03 21 13 00-0007 LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.40
	For Up To 100, Add	0.99
	For >100 To 200, Add	0.53
	For >200 To 500, Add	0.21
03 21 13 00-0008 LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.12
	For Up To 100, Add	1.53
	For >100 To 200, Add	0.81
	For >200 To 500, Add	0.33
03 21 13 00-0009 LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.93
	For Up To 100, Add	2.14
	For >100 To 200, Add	1.14
	For >200 To 500, Add	0.46
03 21 13 00-0010 LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.85
	For Up To 100, Add	0.60
	For >100 To 200, Add	0.32
	For >200 To 500, Add	0.13
03 21 13 00-0011 LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.44
	For Up To 100, Add	1.03
	For >100 To 200, Add	0.55
	For >200 To 500, Add	0.22
03 21 13 00-0012 LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.17
	For Up To 100, Add	1.58
	For >100 To 200, Add	0.84
	For >200 To 500, Add	0.34
03 21 13 00-0013 LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.01
	For Up To 100, Add	2.22
	For >100 To 200, Add	1.18
	For >200 To 500, Add	0.47
03 21 13 00-0014 LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.92
	For Up To 100, Add	2.30
	For >100 To 200, Add	1.33
	For >200 To 400, Add	0.62
03 21 13 00-0015 LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.92
	For Up To 100, Add	2.93
	For >100 To 200, Add	1.68
	For >200 To 400, Add	0.79
03 21 13 00-0016 LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	6.07
	For Up To 100, Add	3.66
	For >100 To 200, Add	2.10
	For >200 To 400, Add	0.99
03 21 13 00-0017 LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	7.45
	For Up To 100, Add	3.70
	For >100 To 200, Add	1.98
	For >200 To 300, Add	0.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0018 LF #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.90	
For Up To 100, Add	4.47	
For >100 To 200, Add	2.38	
For >200 To 300, Add	1.19	
03 21 13 00-0019 LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	12.41	
For Up To 100, Add	6.32	
For >100 To 200, Add	3.35	
For >200 To 300, Add	1.67	
03 21 13 00-0020 LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	21.32	
For Up To 100, Add	11.01	
For >100 To 200, Add	5.80	
For >200 To 300, Add	2.90	
03 21 13 00-0021 LF #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.09	
For Up To 100, Add	2.30	
For >100 To 200, Add	1.22	
For >200 To 500, Add	0.49	
03 21 13 00-0022 LF #7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.03	
For Up To 100, Add	2.38	
For >100 To 200, Add	1.37	
For >200 To 400, Add	0.65	
03 21 13 00-0023 LF #8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.06	
For Up To 100, Add	3.04	
For >100 To 200, Add	1.74	
For >200 To 400, Add	0.82	
03 21 13 00-0024 LF #9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.24	
For Up To 100, Add	3.79	
For >100 To 200, Add	2.16	
For >200 To 400, Add	1.03	
03 21 13 00-0025 LF #10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	7.67	
For Up To 100, Add	3.83	
For >100 To 200, Add	2.04	
For >200 To 300, Add	1.02	
03 21 13 00-0026 LF #11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.18	
For Up To 100, Add	4.64	
For >100 To 200, Add	2.47	
For >200 To 300, Add	1.23	
03 21 13 00-0027 LF #14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	12.80	
For Up To 100, Add	6.56	
For >100 To 200, Add	3.47	
For >200 To 300, Add	1.73	
03 21 13 00-0028 LF #18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	22.03	
For Up To 100, Add	11.44	
For >100 To 200, Add	6.02	
For >200 To 300, Add	3.01	
03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030 LF #3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.85	
For Up To 100, Add	0.57	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 13 00-0031 LF #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.46	
For Up To 100, Add	1.00	
For >100 To 200, Add	0.54	
For >200 To 500, Add	0.22	
03 21 13 00-0032 LF #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.17	
For Up To 100, Add	1.52	
For >100 To 200, Add	0.82	
For >200 To 500, Add	0.33	
03 21 13 00-0033 LF #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.01	
For Up To 100, Add	2.15	
For >100 To 200, Add	1.15	
For >200 To 500, Add	0.46	
03 21 13 00-0034 LF #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.87	
For Up To 100, Add	0.59	
For >100 To 200, Add	0.32	
For >200 To 500, Add	0.13	
03 21 13 00-0035 LF #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.48	
For Up To 100, Add	1.02	
For >100 To 200, Add	0.55	
For >200 To 500, Add	0.22	
03 21 13 00-0036 LF #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.21	
For Up To 100, Add	1.56	
For >100 To 200, Add	0.84	
For >200 To 500, Add	0.33	
03 21 13 00-0037 LF #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.06	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.17	
For >200 To 500, Add	0.47	
03 21 13 00-0038 LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.89	
For Up To 100, Add	0.61	
For >100 To 200, Add	0.33	
For >200 To 500, Add	0.13	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0039 LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.52	
For Up To 100, Add	1.06	
For >100 To 200, Add	0.57	
For >200 To 500, Add	0.23	
03 21 13 00-0040 LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	2.26	
For Up To 100, Add	1.61	
For >100 To 200, Add	0.86	
For >200 To 500, Add	0.34	
03 21 13 00-0041 LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.14	
For Up To 100, Add	2.28	
For >100 To 200, Add	1.21	
For >200 To 500, Add	0.48	
03 21 13 00-0042 LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	4.09	
For Up To 100, Add	2.36	
For >100 To 200, Add	1.37	
For >200 To 400, Add	0.64	
03 21 13 00-0043 LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	5.10	
For Up To 100, Add	2.99	
For >100 To 200, Add	1.73	
For >200 To 400, Add	0.81	
03 21 13 00-0044 LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	6.29	
For Up To 100, Add	3.74	
For >100 To 200, Add	2.15	
For >200 To 400, Add	1.01	
03 21 13 00-0045 LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	7.70	
For Up To 100, Add	3.77	
For >100 To 200, Add	2.03	
For >200 To 300, Add	1.01	
03 21 13 00-0046 LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	9.19	
For Up To 100, Add	4.56	
For >100 To 200, Add	2.44	
For >200 To 300, Add	1.22	
03 21 13 00-0047 LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	12.79	
For Up To 100, Add	6.44	
For >100 To 200, Add	3.42	
For >200 To 300, Add	1.71	
03 21 13 00-0048 LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	21.90	
For Up To 100, Add	11.19	
For >100 To 200, Add	5.92	
For >200 To 300, Add	2.96	
03 21 13 00-0049 LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	3.22	
For Up To 100, Add	2.36	
For >100 To 200, Add	1.25	
For >200 To 500, Add	0.50	
03 21 13 00-0050 LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	4.20	
For Up To 100, Add	2.44	
For >100 To 200, Add	1.41	
For >200 To 400, Add	0.66	
03 21 13 00-0051 LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	5.24	
For Up To 100, Add	3.10	
For >100 To 200, Add	1.78	
For >200 To 400, Add	0.84	
03 21 13 00-0052 LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	6.46	
For Up To 100, Add	3.87	
For >100 To 200, Add	2.22	
For >200 To 400, Add	1.05	
03 21 13 00-0053 LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	7.92	
For Up To 100, Add	3.90	
For >100 To 200, Add	2.09	
For >200 To 300, Add	1.05	
03 21 13 00-0054 LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	9.47	
For Up To 100, Add	4.73	
For >100 To 200, Add	2.52	
For >200 To 300, Add	1.26	
03 21 13 00-0055 LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	13.18	
For Up To 100, Add	6.67	
For >100 To 200, Add	3.54	
For >200 To 300, Add	1.77	
03 21 13 00-0056 LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	22.61	
For Up To 100, Add	11.61	
For >100 To 200, Add	6.13	
For >200 To 300, Add	3.07	
03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058 LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.75	
For Up To 100, Add	0.53	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.11	
03 21 13 00-0059 LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	1.29	
For Up To 100, Add	0.94	
For >100 To 200, Add	0.50	
For >200 To 500, Add	0.20	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.94	
			For Up To 100, Add	1.43	
			For >100 To 200, Add	0.76	
			For >200 To 500, Add	0.30	
03 21	13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.69	
			For Up To 100, Add	2.02	
			For >100 To 200, Add	1.07	
			For >200 To 500, Add	0.43	
03 21	13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.77	
			For Up To 100, Add	0.55	
			For >100 To 200, Add	0.30	
			For >200 To 500, Add	0.12	
03 21	13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.31	
			For Up To 100, Add	0.96	
			For >100 To 200, Add	0.51	
			For >200 To 500, Add	0.20	
03 21	13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.98	
			For Up To 100, Add	1.47	
			For >100 To 200, Add	0.78	
			For >200 To 500, Add	0.31	
03 21	13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.74	
			For Up To 100, Add	2.07	
			For >100 To 200, Add	1.09	
			For >200 To 500, Add	0.44	
03 21	13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.79	
			For Up To 100, Add	0.57	
			For >100 To 200, Add	0.31	
			For >200 To 500, Add	0.12	
03 21	13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.35	
			For Up To 100, Add	1.00	
			For >100 To 200, Add	0.53	
			For >200 To 500, Add	0.21	
03 21	13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.03	
			For Up To 100, Add	1.52	
			For >100 To 200, Add	0.80	
			For >200 To 500, Add	0.32	
03 21	13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.82	
			For Up To 100, Add	2.15	
			For >100 To 200, Add	1.13	
			For >200 To 500, Add	0.45	
03 21	13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.69	
			For Up To 100, Add	2.22	
			For >100 To 200, Add	1.27	
			For >200 To 400, Add	0.60	
03 21	13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.63	
			For Up To 100, Add	2.83	
			For >100 To 200, Add	1.61	
			For >200 To 400, Add	0.77	
03 21	13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.74	
			For Up To 100, Add	3.55	
			For >100 To 200, Add	2.01	
			For >200 To 400, Add	0.96	
03 21	13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.06	
			For Up To 100, Add	3.58	
			For >100 To 200, Add	1.90	
			For >200 To 300, Add	0.95	
03 21	13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.47	
			For Up To 100, Add	4.34	
			For >100 To 200, Add	2.30	
			For >200 To 300, Add	1.15	
03 21	13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.85	
			For Up To 100, Add	6.15	
			For >100 To 200, Add	3.24	
			For >200 To 300, Add	1.62	
03 21	13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	20.42	
			For Up To 100, Add	10.74	
			For >100 To 200, Add	5.62	
			For >200 To 300, Add	2.81	
03 21	13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.90	
			For Up To 100, Add	2.23	
			For >100 To 200, Add	1.17	
			For >200 To 500, Add	0.47	
03 21	13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.80	
			For Up To 100, Add	2.30	
			For >100 To 200, Add	1.31	
			For >200 To 400, Add	0.62	
03 21	13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.77	
			For Up To 100, Add	2.93	
			For >100 To 200, Add	1.67	
			For >200 To 400, Add	0.79	
03 21	13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.91	
			For Up To 100, Add	3.68	
			For >100 To 200, Add	2.08	
			For >200 To 400, Add	0.99	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0081 LF #10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.28	
For Up To 100, Add	3.71	
For >100 To 200, Add	1.97	
For >200 To 300, Add	0.98	
03 21 13 00-0082 LF #11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.75	
For Up To 100, Add	4.51	
For >100 To 200, Add	2.38	
For >200 To 300, Add	1.19	
03 21 13 00-0083 LF #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	12.24	
For Up To 100, Add	6.39	
For >100 To 200, Add	3.35	
For >200 To 300, Add	1.68	
03 21 13 00-0084 LF #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	21.13	
For Up To 100, Add	11.17	
For >100 To 200, Add	5.84	
For >200 To 300, Add	2.92	
 03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0086 LF #3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.73	
For Up To 100, Add	0.53	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 13 00-0087 LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.25	
For Up To 100, Add	0.92	
For >100 To 200, Add	0.49	
For >200 To 500, Add	0.20	
03 21 13 00-0088 LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.88	
For Up To 100, Add	1.41	
For >100 To 200, Add	0.74	
For >200 To 500, Add	0.30	
03 21 13 00-0089 LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.61	
For Up To 100, Add	1.99	
For >100 To 200, Add	1.05	
For >200 To 500, Add	0.42	
03 21 13 00-0090 LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.75	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.12	
03 21 13 00-0091 LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.27	
For Up To 100, Add	0.94	
For >100 To 200, Add	0.50	
For >200 To 500, Add	0.20	
03 21 13 00-0092 LF #5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.92	
For Up To 100, Add	1.45	
For >100 To 200, Add	0.76	
For >200 To 500, Add	0.31	
03 21 13 00-0093 LF #6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.66	
For Up To 100, Add	2.04	
For >100 To 200, Add	1.07	
For >200 To 500, Add	0.43	
03 21 13 00-0094 LF #3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.77	
For Up To 100, Add	0.57	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 13 00-0095 LF #4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.31	
For Up To 100, Add	0.98	
For >100 To 200, Add	0.52	
For >200 To 500, Add	0.21	
03 21 13 00-0096 LF #5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.97	
For Up To 100, Add	1.50	
For >100 To 200, Add	0.79	
For >200 To 500, Add	0.32	
03 21 13 00-0097 LF #6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.74	
For Up To 100, Add	2.12	
For >100 To 200, Add	1.11	
For >200 To 500, Add	0.44	
03 21 13 00-0098 LF #7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.61	
For Up To 100, Add	2.19	
For >100 To 200, Add	1.25	
For >200 To 400, Add	0.59	
03 21 13 00-0099 LF #8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.54	
For Up To 100, Add	2.80	
For >100 To 200, Add	1.59	
For >200 To 400, Add	0.76	
03 21 13 00-0100 LF #9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.63	
For Up To 100, Add	3.51	
For >100 To 200, Add	1.99	
For >200 To 400, Add	0.95	
03 21 13 00-0101 LF #10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.93	
For Up To 100, Add	3.54	
For >100 To 200, Add	1.87	
For >200 To 300, Add	0.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0102 LF #11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.33	
For Up To 100, Add	4.30	
For >100 To 200, Add	2.27	
For >200 To 300, Add	1.13	
03 21 13 00-0103 LF #14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.65	
For Up To 100, Add	6.09	
For >100 To 200, Add	3.20	
For >200 To 300, Add	1.60	
03 21 13 00-0104 LF #18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	20.13	
For Up To 100, Add	10.66	
For >100 To 200, Add	5.57	
For >200 To 300, Add	2.78	
03 21 13 00-0105 LF #6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.82	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.15	
For >200 To 500, Add	0.46	
03 21 13 00-0106 LF #7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.72	
For Up To 100, Add	2.27	
For >100 To 200, Add	1.29	
For >200 To 400, Add	0.61	
03 21 13 00-0107 LF #8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.68	
For Up To 100, Add	2.90	
For >100 To 200, Add	1.64	
For >200 To 400, Add	0.78	
03 21 13 00-0108 LF #9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.80	
For Up To 100, Add	3.64	
For >100 To 200, Add	2.05	
For >200 To 400, Add	0.98	
03 21 13 00-0109 LF #10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.15	
For Up To 100, Add	3.67	
For >100 To 200, Add	1.94	
For >200 To 300, Add	0.97	
03 21 13 00-0110 LF #11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.61	
For Up To 100, Add	4.47	
For >100 To 200, Add	2.35	
For >200 To 300, Add	1.18	
03 21 13 00-0111 LF #14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	12.04	
For Up To 100, Add	6.33	
For >100 To 200, Add	3.31	
For >200 To 300, Add	1.66	
03 21 13 00-0112 LF #18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	20.84	
For Up To 100, Add	11.08	
For >100 To 200, Add	5.78	
For >200 To 300, Add	2.89	
03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0114 LF #3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.68	
For Up To 100, Add	0.51	
For >100 To 200, Add	0.27	
For >200 To 500, Add	0.11	
03 21 13 00-0115 LF #4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.18	
For Up To 100, Add	0.89	
For >100 To 200, Add	0.47	
For >200 To 500, Add	0.19	
03 21 13 00-0116 LF #5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.78	
For Up To 100, Add	1.37	
For >100 To 200, Add	0.72	
For >200 To 500, Add	0.29	
03 21 13 00-0117 LF #6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.48	
For Up To 100, Add	1.93	
For >100 To 200, Add	1.01	
For >200 To 500, Add	0.41	
03 21 13 00-0118 LF #3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.70	
For Up To 100, Add	0.53	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 13 00-0119 LF #4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.20	
For Up To 100, Add	0.91	
For >100 To 200, Add	0.48	
For >200 To 500, Add	0.19	
03 21 13 00-0120 LF #5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.82	
For Up To 100, Add	1.41	
For >100 To 200, Add	0.74	
For >200 To 500, Add	0.30	
03 21 13 00-0121 LF #6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.53	
For Up To 100, Add	1.98	
For >100 To 200, Add	1.04	
For >200 To 500, Add	0.42	
03 21 13 00-0122 LF #3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.72	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.12	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0123 LF #4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.24	
For Up To 100, Add	0.95	
For >100 To 200, Add	0.50	
For >200 To 500, Add	0.20	
03 21 13 00-0124 LF #5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.87	
For Up To 100, Add	1.46	
For >100 To 200, Add	0.76	
For >200 To 500, Add	0.31	
03 21 13 00-0125 LF #6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.61	
For Up To 100, Add	2.06	
For >100 To 200, Add	1.08	
For >200 To 500, Add	0.43	
03 21 13 00-0126 LF #7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.45	
For Up To 100, Add	2.13	
For >100 To 200, Add	1.21	
For >200 To 400, Add	0.58	
03 21 13 00-0127 LF #8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.34	
For Up To 100, Add	2.73	
For >100 To 200, Add	1.54	
For >200 To 400, Add	0.74	
03 21 13 00-0128 LF #9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.41	
For Up To 100, Add	3.43	
For >100 To 200, Add	1.93	
For >200 To 400, Add	0.93	
03 21 13 00-0129 LF #10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.68	
For Up To 100, Add	3.47	
For >100 To 200, Add	1.82	
For >200 To 300, Add	0.91	
03 21 13 00-0130 LF #11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.04	
For Up To 100, Add	4.22	
For >100 To 200, Add	2.21	
For >200 To 300, Add	1.10	
03 21 13 00-0131 LF #14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.28	
For Up To 100, Add	5.98	
For >100 To 200, Add	3.12	
For >200 To 300, Add	1.56	
03 21 13 00-0132 LF #18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	19.54	
For Up To 100, Add	10.48	
For >100 To 200, Add	5.45	
For >200 To 300, Add	2.72	
03 21 13 00-0133 LF #6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.69	
For Up To 100, Add	2.14	
For >100 To 200, Add	1.12	
For >200 To 500, Add	0.45	
03 21 13 00-0134 LF #7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.56	
For Up To 100, Add	2.21	
For >100 To 200, Add	1.25	
For >200 To 400, Add	0.60	
03 21 13 00-0135 LF #8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.48	
For Up To 100, Add	2.83	
For >100 To 200, Add	1.59	
For >200 To 400, Add	0.76	
03 21 13 00-0136 LF #9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.58	
For Up To 100, Add	3.56	
For >100 To 200, Add	2.00	
For >200 To 400, Add	0.96	
03 21 13 00-0137 LF #10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.90	
For Up To 100, Add	3.60	
For >100 To 200, Add	1.89	
For >200 To 300, Add	0.94	
03 21 13 00-0138 LF #11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.32	
For Up To 100, Add	4.38	
For >100 To 200, Add	2.29	
For >200 To 300, Add	1.15	
03 21 13 00-0139 LF #14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.67	
For Up To 100, Add	6.22	
For >100 To 200, Add	3.24	
For >200 To 300, Add	1.62	
03 21 13 00-0140 LF #18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	20.25	
For Up To 100, Add	10.91	
For >100 To 200, Add	5.66	
For >200 To 300, Add	2.83	
03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar ^(03 21 13)		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0142 LF #3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.66	
For Up To 100, Add	0.50	
For >100 To 200, Add	0.26	
For >200 To 500, Add	0.11	
03 21 13 00-0143 LF #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.14	
For Up To 100, Add	0.88	
For >100 To 200, Add	0.46	
For >200 To 500, Add	0.18	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.73	
			<i>For Up To 100, Add</i>	1.35	
			<i>For >100 To 200, Add</i>	0.71	
			<i>For >200 To 500, Add</i>	0.28	
03 21	13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.42	
			<i>For Up To 100, Add</i>	1.91	
			<i>For >100 To 200, Add</i>	1.00	
			<i>For >200 To 500, Add</i>	0.40	
03 21	13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.68	
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 200, Add</i>	0.27	
			<i>For >200 To 500, Add</i>	0.11	
03 21	13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.16	
			<i>For Up To 100, Add</i>	0.90	
			<i>For >100 To 200, Add</i>	0.47	
			<i>For >200 To 500, Add</i>	0.19	
03 21	13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.77	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 200, Add</i>	0.73	
			<i>For >200 To 500, Add</i>	0.29	
03 21	13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.47	
			<i>For Up To 100, Add</i>	1.96	
			<i>For >100 To 200, Add</i>	1.02	
			<i>For >200 To 500, Add</i>	0.41	
03 21	13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.70	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 200, Add</i>	0.28	
			<i>For >200 To 500, Add</i>	0.11	
03 21	13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.20	
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 200, Add</i>	0.49	
			<i>For >200 To 500, Add</i>	0.20	
03 21	13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.82	
			<i>For Up To 100, Add</i>	1.44	
			<i>For >100 To 200, Add</i>	0.75	
			<i>For >200 To 500, Add</i>	0.30	
03 21	13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.55	
			<i>For Up To 100, Add</i>	2.04	
			<i>For >100 To 200, Add</i>	1.06	
			<i>For >200 To 500, Add</i>	0.43	
03 21	13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.35	
			<i>For Up To 100, Add</i>	2.10	
			<i>For >100 To 200, Add</i>	1.18	
			<i>For >200 To 400, Add</i>	0.57	
03 21	13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.25	
			<i>For Up To 100, Add</i>	2.70	
			<i>For >100 To 200, Add</i>	1.52	
			<i>For >200 To 400, Add</i>	0.73	
03 21	13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.30	
			<i>For Up To 100, Add</i>	3.40	
			<i>For >100 To 200, Add</i>	1.90	
			<i>For >200 To 400, Add</i>	0.92	
03 21	13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.55	
			<i>For Up To 100, Add</i>	3.43	
			<i>For >100 To 200, Add</i>	1.80	
			<i>For >200 To 300, Add</i>	0.90	
03 21	13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.90	
			<i>For Up To 100, Add</i>	4.17	
			<i>For >100 To 200, Add</i>	2.18	
			<i>For >200 To 300, Add</i>	1.09	
03 21	13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	11.10	
			<i>For Up To 100, Add</i>	5.93	
			<i>For >100 To 200, Add</i>	3.09	
			<i>For >200 To 300, Add</i>	1.54	
03 21	13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	19.25	
			<i>For Up To 100, Add</i>	10.39	
			<i>For >100 To 200, Add</i>	5.39	
			<i>For >200 To 300, Add</i>	2.69	
03 21	13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.63	
			<i>For Up To 100, Add</i>	2.12	
			<i>For >100 To 200, Add</i>	1.10	
			<i>For >200 To 500, Add</i>	0.44	
03 21	13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.46	
			<i>For Up To 100, Add</i>	2.18	
			<i>For >100 To 200, Add</i>	1.23	
			<i>For >200 To 400, Add</i>	0.59	
03 21	13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.39	
			<i>For Up To 100, Add</i>	2.80	
			<i>For >100 To 200, Add</i>	1.57	
			<i>For >200 To 400, Add</i>	0.76	
03 21	13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.47	
			<i>For Up To 100, Add</i>	3.52	
			<i>For >100 To 200, Add</i>	1.97	
			<i>For >200 To 400, Add</i>	0.95	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0165 LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.77	
For Up To 100, Add	3.56	
For >100 To 200, Add	1.86	
For >200 To 300, Add	0.93	
03 21 13 00-0166 LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.18	
For Up To 100, Add	4.34	
For >100 To 200, Add	2.27	
For >200 To 300, Add	1.13	
03 21 13 00-0167 LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	11.49	
For Up To 100, Add	6.16	
For >100 To 200, Add	3.20	
For >200 To 300, Add	1.60	
03 21 13 00-0168 LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	19.96	
For Up To 100, Add	10.82	
For >100 To 200, Add	5.60	
For >200 To 300, Add	2.80	

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002 LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.80	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 16 00-0003 LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.35	
For Up To 100, Add	0.94	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.20	
03 21 16 00-0004 LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.04	
For Up To 100, Add	1.45	
For >100 To 200, Add	0.77	
For >200 To 500, Add	0.31	
03 21 16 00-0005 LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.82	
For Up To 100, Add	2.03	
For >100 To 200, Add	1.08	
For >200 To 500, Add	0.43	
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.81	
For Up To 100, Add	0.56	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.38	
For Up To 100, Add	0.97	
For >100 To 200, Add	0.52	
For >200 To 500, Add	0.21	
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.08	
For Up To 100, Add	1.49	
For >100 To 200, Add	0.79	
For >200 To 500, Add	0.32	
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.87	
For Up To 100, Add	2.08	
For >100 To 200, Add	1.11	
For >200 To 500, Add	0.44	
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.83	
For Up To 100, Add	0.58	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.41	
For Up To 100, Add	1.00	
For >100 To 200, Add	0.54	
For >200 To 500, Add	0.21	
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.13	
For Up To 100, Add	1.54	
For >100 To 200, Add	0.82	
For >200 To 500, Add	0.33	
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.95	
For Up To 100, Add	2.16	
For >100 To 200, Add	1.15	
For >200 To 500, Add	0.46	
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.84	
For Up To 100, Add	2.24	
For >100 To 200, Add	1.29	
For >200 To 400, Add	0.61	
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.82	
For Up To 100, Add	2.86	
For >100 To 200, Add	1.64	
For >200 To 400, Add	0.77	
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.94	
For Up To 100, Add	3.57	
For >100 To 200, Add	2.04	
For >200 To 400, Add	0.97	
03 21 16 00-0017 LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.28	
For Up To 100, Add	3.59	
For >100 To 200, Add	1.93	
For >200 To 300, Add	0.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0018 LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.70	
For Up To 100, Add	4.35	
For >100 To 200, Add	2.32	
For >200 To 300, Add	1.16	
03 21 16 00-0019 LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	12.11	
For Up To 100, Add	6.14	
For >100 To 200, Add	3.26	
For >200 To 300, Add	1.63	
03 21 16 00-0020 LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	20.80	
For Up To 100, Add	10.70	
For >100 To 200, Add	5.65	
For >200 To 300, Add	2.82	
03 21 16 00-0021 LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.03	
For Up To 100, Add	2.24	
For >100 To 200, Add	1.19	
For >200 To 500, Add	0.48	
03 21 16 00-0022 LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.95	
For Up To 100, Add	2.32	
For >100 To 200, Add	1.34	
For >200 To 400, Add	0.63	
03 21 16 00-0023 LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.96	
For Up To 100, Add	2.96	
For >100 To 200, Add	1.70	
For >200 To 400, Add	0.80	
03 21 16 00-0024 LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.11	
For Up To 100, Add	3.69	
For >100 To 200, Add	2.11	
For >200 To 400, Add	1.00	
03 21 16 00-0025 LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.51	
For Up To 100, Add	3.73	
For >100 To 200, Add	2.00	
For >200 To 300, Add	1.00	
03 21 16 00-0026 LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.97	
For Up To 100, Add	4.52	
For >100 To 200, Add	2.40	
For >200 To 300, Add	1.20	
03 21 16 00-0027 LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	12.51	
For Up To 100, Add	6.38	
For >100 To 200, Add	3.38	
For >200 To 300, Add	1.69	
03 21 16 00-0028 LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	21.50	
For Up To 100, Add	11.12	
For >100 To 200, Add	5.86	
For >200 To 300, Add	2.93	
03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030 LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.84	
For Up To 100, Add	0.56	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 16 00-0031 LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.43	
For Up To 100, Add	0.97	
For >100 To 200, Add	0.53	
For >200 To 500, Add	0.21	
03 21 16 00-0032 LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.13	
For Up To 100, Add	1.48	
For >100 To 200, Add	0.80	
For >200 To 500, Add	0.32	
03 21 16 00-0033 LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.95	
For Up To 100, Add	2.09	
For >100 To 200, Add	1.12	
For >200 To 500, Add	0.45	
03 21 16 00-0034 LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.85	
For Up To 100, Add	0.57	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 16 00-0035 LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.46	
For Up To 100, Add	1.00	
For >100 To 200, Add	0.54	
For >200 To 500, Add	0.22	
03 21 16 00-0036 LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.17	
For Up To 100, Add	1.52	
For >100 To 200, Add	0.82	
For >200 To 500, Add	0.33	
03 21 16 00-0037 LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.00	
For Up To 100, Add	2.14	
For >100 To 200, Add	1.14	
For >200 To 500, Add	0.46	
03 21 16 00-0038 LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.87	
For Up To 100, Add	0.59	
For >100 To 200, Add	0.32	
For >200 To 500, Add	0.13	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0039 LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	1.49 1.03 0.56 0.22	
03 21 16 00-0040 LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	2.22 1.57 0.84 0.34	
03 21 16 00-0041 LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	3.08 2.22 1.18 0.47	
03 21 16 00-0042 LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	4.01 2.30 1.34 0.62	
03 21 16 00-0043 LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	5.00 2.92 1.69 0.79	
03 21 16 00-0044 LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	6.16 3.64 2.10 0.99	
03 21 16 00-0045 LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	7.53 3.67 1.98 0.99	
03 21 16 00-0046 LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	8.99 4.44 2.38 1.19	
03 21 16 00-0047 LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	12.49 6.26 3.33 1.67	
03 21 16 00-0048 LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	21.38 10.88 5.76 2.88	
03 21 16 00-0049 LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	3.16 2.30 1.22 0.49	
03 21 16 00-0050 LF #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	4.12 2.38 1.38 0.65	
03 21 16 00-0051 LF #8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	5.14 3.02 1.74 0.82	
03 21 16 00-0052 LF #9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	6.33 3.77 2.17 1.02	
03 21 16 00-0053 LF #10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	7.76 3.81 2.05 1.02	
03 21 16 00-0054 LF #11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	9.26 4.60 2.46 1.23	
03 21 16 00-0055 LF #14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	12.89 6.50 3.45 1.73	
03 21 16 00-0056 LF #18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	22.08 11.30 5.97 2.99	
03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small> Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0058 LF #3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	0.74 0.52 0.28 0.11	
03 21 16 00-0059 LF #4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	1.26 0.91 0.48 0.19	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0060 LF #5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.90	
For Up To 100, Add	1.39	
For >100 To 200, Add	0.74	
For >200 To 500, Add	0.30	
03 21 16 00-0061 LF #6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.63	
For Up To 100, Add	1.96	
For >100 To 200, Add	1.04	
For >200 To 500, Add	0.41	
03 21 16 00-0062 LF #3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	0.75	
For Up To 100, Add	0.53	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.11	
03 21 16 00-0063 LF #4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.29	
03 21 16 00-0064 LF #5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.94	
For Up To 100, Add	1.43	
For >100 To 200, Add	0.76	
For >200 To 500, Add	0.30	
03 21 16 00-0065 LF #6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.68	
For Up To 100, Add	2.01	
For >100 To 200, Add	1.06	
For >200 To 500, Add	0.42	
03 21 16 00-0066 LF #3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	0.77	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 16 00-0067 LF #4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.32	
For Up To 100, Add	0.97	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.21	
03 21 16 00-0068 LF #5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.99	
For Up To 100, Add	1.48	
For >100 To 200, Add	0.78	
For >200 To 500, Add	0.31	
03 21 16 00-0069 LF #6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.76	
For Up To 100, Add	2.09	
For >100 To 200, Add	1.10	
For >200 To 500, Add	0.44	
03 21 16 00-0070 LF #7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.61	
For Up To 100, Add	2.16	
For >100 To 200, Add	1.24	
For >200 To 400, Add	0.58	
03 21 16 00-0071 LF #8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.53	
For Up To 100, Add	2.75	
For >100 To 200, Add	1.57	
For >200 To 400, Add	0.75	
03 21 16 00-0072 LF #9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.61	
For Up To 100, Add	3.45	
For >100 To 200, Add	1.96	
For >200 To 400, Add	0.93	
03 21 16 00-0073 LF #10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	6.89	
For Up To 100, Add	3.48	
For >100 To 200, Add	1.85	
For >200 To 300, Add	0.92	
03 21 16 00-0074 LF #11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	8.27	
For Up To 100, Add	4.22	
For >100 To 200, Add	2.24	
For >200 To 300, Add	1.12	
03 21 16 00-0075 LF #14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.55	
For Up To 100, Add	5.97	
For >100 To 200, Add	3.15	
For >200 To 300, Add	1.57	
03 21 16 00-0076 LF #18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	19.90	
For Up To 100, Add	10.43	
For >100 To 200, Add	5.47	
For >200 To 300, Add	2.73	
03 21 16 00-0077 LF #6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.84	
For Up To 100, Add	2.17	
For >100 To 200, Add	1.14	
For >200 To 500, Add	0.46	
03 21 16 00-0078 LF #7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.72	
For Up To 100, Add	2.24	
For >100 To 200, Add	1.28	
For >200 To 400, Add	0.61	
03 21 16 00-0079 LF #8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.67	
For Up To 100, Add	2.86	
For >100 To 200, Add	1.63	
For >200 To 400, Add	0.77	
03 21 16 00-0080 LF #9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.78	
For Up To 100, Add	3.58	
For >100 To 200, Add	2.03	
For >200 To 400, Add	0.97	
03 21 16 00-0081 LF #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.12	
For Up To 100, Add	3.62	
For >100 To 200, Add	1.92	
For >200 To 300, Add	0.96	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0082 LF #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	8.54	
For Up To 100, Add	4.39	
For >100 To 200, Add	2.32	
For >200 To 300, Add	1.16	
03 21 16 00-0083 LF #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.95	
For Up To 100, Add	6.21	
For >100 To 200, Add	3.27	
For >200 To 300, Add	1.63	
03 21 16 00-0084 LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	20.60	
For Up To 100, Add	10.85	
For >100 To 200, Add	5.68	
For >200 To 300, Add	2.84	
03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0086 LF #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.72	
For Up To 100, Add	0.52	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 16 00-0087 LF #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.22	
For Up To 100, Add	0.89	
For >100 To 200, Add	0.47	
For >200 To 500, Add	0.19	
03 21 16 00-0088 LF #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.84	
For Up To 100, Add	1.37	
For >100 To 200, Add	0.72	
For >200 To 500, Add	0.29	
03 21 16 00-0089 LF #6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.55	
For Up To 100, Add	1.93	
For >100 To 200, Add	1.02	
For >200 To 500, Add	0.41	
03 21 16 00-0090 LF #3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.73	
For Up To 100, Add	0.53	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 16 00-0091 LF #4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.25	
For Up To 100, Add	0.92	
For >100 To 200, Add	0.49	
For >200 To 500, Add	0.20	
03 21 16 00-0092 LF #5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.88	
For Up To 100, Add	1.41	
For >100 To 200, Add	0.74	
For >200 To 500, Add	0.30	
03 21 16 00-0093 LF #6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.60	
For Up To 100, Add	1.98	
For >100 To 200, Add	1.04	
For >200 To 500, Add	0.42	
03 21 16 00-0094 LF #3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.75	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.12	
03 21 16 00-0095 LF #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.28	
For Up To 100, Add	0.95	
For >100 To 200, Add	0.50	
For >200 To 500, Add	0.20	
03 21 16 00-0096 LF #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.93	
For Up To 100, Add	1.46	
For >100 To 200, Add	0.77	
For >200 To 500, Add	0.31	
03 21 16 00-0097 LF #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.68	
For Up To 100, Add	2.06	
For >100 To 200, Add	1.08	
For >200 To 500, Add	0.43	
03 21 16 00-0098 LF #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.53	
For Up To 100, Add	2.13	
For >100 To 200, Add	1.22	
For >200 To 400, Add	0.58	
03 21 16 00-0099 LF #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.44	
For Up To 100, Add	2.72	
For >100 To 200, Add	1.55	
For >200 To 400, Add	0.74	
03 21 16 00-0100 LF #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.50	
For Up To 100, Add	3.41	
For >100 To 200, Add	1.93	
For >200 To 400, Add	0.92	
03 21 16 00-0101 LF #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.76	
For Up To 100, Add	3.44	
For >100 To 200, Add	1.82	
For >200 To 300, Add	0.91	
03 21 16 00-0102 LF #11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.13	
For Up To 100, Add	4.18	
For >100 To 200, Add	2.21	
For >200 To 300, Add	1.10	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0103	LF		#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.35	
			For Up To 100, Add	5.91	
			For >100 To 200, Add	3.11	
			For >200 To 300, Add	1.55	
03 21 16 00-0104	LF		#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	19.61	
			For Up To 100, Add	10.34	
			For >100 To 200, Add	5.41	
			For >200 To 300, Add	2.70	
03 21 16 00-0105	LF		#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.76	
			For Up To 100, Add	2.14	
			For >100 To 200, Add	1.12	
			For >200 To 500, Add	0.45	
03 21 16 00-0106	LF		#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.64	
			For Up To 100, Add	2.21	
			For >100 To 200, Add	1.26	
			For >200 To 400, Add	0.60	
03 21 16 00-0107	LF		#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.58	
			For Up To 100, Add	2.83	
			For >100 To 200, Add	1.60	
			For >200 To 400, Add	0.76	
03 21 16 00-0108	LF		#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.67	
			For Up To 100, Add	3.54	
			For >100 To 200, Add	2.00	
			For >200 To 400, Add	0.96	
03 21 16 00-0109	LF		#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.99	
			For Up To 100, Add	3.58	
			For >100 To 200, Add	1.89	
			For >200 To 300, Add	0.95	
03 21 16 00-0110	LF		#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.40	
			For Up To 100, Add	4.34	
			For >100 To 200, Add	2.29	
			For >200 To 300, Add	1.14	
03 21 16 00-0111	LF		#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.75	
			For Up To 100, Add	6.15	
			For >100 To 200, Add	3.23	
			For >200 To 300, Add	1.61	
03 21 16 00-0112	LF		#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	20.31	
			For Up To 100, Add	10.76	
			For >100 To 200, Add	5.62	
			For >200 To 300, Add	2.81	
03 21 16 00-0113			Elevated Slabs, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>		
			Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0114	LF		#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.67	
			For Up To 100, Add	0.50	
			For >100 To 200, Add	0.26	
			For >200 To 500, Add	0.11	
03 21 16 00-0115	LF		#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.15	
			For Up To 100, Add	0.86	
			For >100 To 200, Add	0.46	
			For >200 To 500, Add	0.18	
03 21 16 00-0116	LF		#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.74	
			For Up To 100, Add	1.33	
			For >100 To 200, Add	0.70	
			For >200 To 500, Add	0.28	
03 21 16 00-0117	LF		#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.42	
			For Up To 100, Add	1.87	
			For >100 To 200, Add	0.98	
			For >200 To 500, Add	0.39	
03 21 16 00-0118	LF		#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.68	
			For Up To 100, Add	0.51	
			For >100 To 200, Add	0.27	
			For >200 To 500, Add	0.11	
03 21 16 00-0119	LF		#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.18	
			For Up To 100, Add	0.89	
			For >100 To 200, Add	0.47	
			For >200 To 500, Add	0.19	
03 21 16 00-0120	LF		#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.78	
			For Up To 100, Add	1.37	
			For >100 To 200, Add	0.72	
			For >200 To 500, Add	0.29	
03 21 16 00-0121	LF		#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.47	
			For Up To 100, Add	1.92	
			For >100 To 200, Add	1.01	
			For >200 To 500, Add	0.40	
03 21 16 00-0122	LF		#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.70	
			For Up To 100, Add	0.53	
			For >100 To 200, Add	0.28	
			For >200 To 500, Add	0.11	
03 21 16 00-0123	LF		#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.21	
			For Up To 100, Add	0.92	
			For >100 To 200, Add	0.49	
			For >200 To 500, Add	0.19	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0124 LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.83	
For Up To 100, Add	1.42	
For >100 To 200, Add	0.74	
For >200 To 500, Add	0.30	
03 21 16 00-0125 LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.55	
For Up To 100, Add	2.00	
For >100 To 200, Add	1.05	
For >200 To 500, Add	0.42	
03 21 16 00-0126 LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.37	
For Up To 100, Add	2.07	
For >100 To 200, Add	1.18	
For >200 To 400, Add	0.56	
03 21 16 00-0127 LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.24	
For Up To 100, Add	2.65	
For >100 To 200, Add	1.50	
For >200 To 400, Add	0.72	
03 21 16 00-0128 LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.28	
For Up To 100, Add	3.34	
For >100 To 200, Add	1.88	
For >200 To 400, Add	0.90	
03 21 16 00-0129 LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.51	
For Up To 100, Add	3.36	
For >100 To 200, Add	1.77	
For >200 To 300, Add	0.89	
03 21 16 00-0130 LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.84	
For Up To 100, Add	4.10	
For >100 To 200, Add	2.15	
For >200 To 300, Add	1.07	
03 21 16 00-0131 LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.98	
For Up To 100, Add	5.80	
For >100 To 200, Add	3.03	
For >200 To 300, Add	1.52	
03 21 16 00-0132 LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	19.02	
For Up To 100, Add	10.17	
For >100 To 200, Add	5.29	
For >200 To 300, Add	2.65	
03 21 16 00-0133 LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.63	
For Up To 100, Add	2.08	
For >100 To 200, Add	1.09	
For >200 To 500, Add	0.44	
03 21 16 00-0134 LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.48	
For Up To 100, Add	2.15	
For >100 To 200, Add	1.22	
For >200 To 400, Add	0.58	
03 21 16 00-0135 LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.38	
For Up To 100, Add	2.76	
For >100 To 200, Add	1.55	
For >200 To 400, Add	0.74	
03 21 16 00-0136 LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.45	
For Up To 100, Add	3.46	
For >100 To 200, Add	1.95	
For >200 To 400, Add	0.93	
03 21 16 00-0137 LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.74	
For Up To 100, Add	3.50	
For >100 To 200, Add	1.84	
For >200 To 300, Add	0.92	
03 21 16 00-0138 LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.11	
For Up To 100, Add	4.26	
For >100 To 200, Add	2.23	
For >200 To 300, Add	1.12	
03 21 16 00-0139 LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.38	
For Up To 100, Add	6.04	
For >100 To 200, Add	3.15	
For >200 To 300, Add	1.58	
03 21 16 00-0140 LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	19.72	
For Up To 100, Add	10.59	
For >100 To 200, Add	5.50	
For >200 To 300, Add	2.75	
03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.65	
For Up To 100, Add	0.49	
For >100 To 200, Add	0.26	
For >200 To 500, Add	0.10	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.11	
For Up To 100, Add	0.85	
For >100 To 200, Add	0.45	
For >200 To 500, Add	0.18	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.69	
For Up To 100, Add	1.31	
For >100 To 200, Add	0.69	
For >200 To 500, Add	0.27	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.36	
		For Up To 100, Add		1.85	
		For >100 To 200, Add		0.97	
		For >200 To 500, Add		0.39	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	0.66	
		For Up To 100, Add		0.50	
		For >100 To 200, Add		0.26	
		For >200 To 500, Add		0.11	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.14	
		For Up To 100, Add		0.88	
		For >100 To 200, Add		0.46	
		For >200 To 500, Add		0.18	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.73	
		For Up To 100, Add		1.35	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.28	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.41	
		For Up To 100, Add		1.90	
		For >100 To 200, Add		0.99	
		For >200 To 500, Add		0.40	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	0.68	
		For Up To 100, Add		0.52	
		For >100 To 200, Add		0.27	
		For >200 To 500, Add		0.11	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.17	
		For Up To 100, Add		0.91	
		For >100 To 200, Add		0.48	
		For >200 To 500, Add		0.19	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.78	
		For Up To 100, Add		1.40	
		For >100 To 200, Add		0.73	
		For >200 To 500, Add		0.29	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.49	
		For Up To 100, Add		1.98	
		For >100 To 200, Add		1.03	
		For >200 To 500, Add		0.41	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.27	
		For Up To 100, Add		2.04	
		For >100 To 200, Add		1.15	
		For >200 To 400, Add		0.55	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	4.15	
		For Up To 100, Add		2.62	
		For >100 To 200, Add		1.48	
		For >200 To 400, Add		0.71	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	5.17	
		For Up To 100, Add		3.30	
		For >100 To 200, Add		1.85	
		For >200 To 400, Add		0.89	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	6.38	
		For Up To 100, Add		3.32	
		For >100 To 200, Add		1.75	
		For >200 To 300, Add		0.87	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	7.70	
		For Up To 100, Add		4.05	
		For >100 To 200, Add		2.12	
		For >200 To 300, Add		1.06	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	10.80	
		For Up To 100, Add		5.75	
		For >100 To 200, Add		3.00	
		For >200 To 300, Add		1.50	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	18.73	
		For Up To 100, Add		10.08	
		For >100 To 200, Add		5.23	
		For >200 To 300, Add		2.62	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.57	
		For Up To 100, Add		2.06	
		For >100 To 200, Add		1.07	
		For >200 To 500, Add		0.43	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.38	
		For Up To 100, Add		2.12	
		For >100 To 200, Add		1.20	
		For >200 To 400, Add		0.57	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	4.29	
		For Up To 100, Add		2.73	
		For >100 To 200, Add		1.53	
		For >200 To 400, Add		0.74	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	5.34	
		For Up To 100, Add		3.43	
		For >100 To 200, Add		1.92	
		For >200 To 400, Add		0.92	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	6.61	
		For Up To 100, Add		3.46	
		For >100 To 200, Add		1.82	
		For >200 To 300, Add		0.91	



Concrete	03	CS
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0166 LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.97	
For Up To 100, Add	4.22	
For >100 To 200, Add	2.20	
For >200 To 300, Add	1.10	
03 21 16 00-0167 LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	11.20	
For Up To 100, Add	5.99	
For >100 To 200, Add	3.12	
For >200 To 300, Add	1.56	
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	19.43	
For Up To 100, Add	10.50	
For >100 To 200, Add	5.44	
For >200 To 300, Add	2.72	
03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)		
Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.13	
For Up To 12" Length, Deduct	-0.48	
For >12" To <24" Length, Deduct	-0.24	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.01	
For Up To 12" Length, Deduct	-0.72	
For >12" To <24" Length, Deduct	-0.36	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.40	
For Up To 12" Length, Deduct	-1.08	
For >12" To <24" Length, Deduct	-0.54	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	9.18	
For Up To 12" Length, Deduct	-1.44	
For >12" To <24" Length, Deduct	-0.72	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.98	
For Up To 12" Length, Deduct	-1.95	
For >12" To <24" Length, Deduct	-0.98	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	12.74	
For Up To 12" Length, Deduct	-2.40	
For >12" To <24" Length, Deduct	-1.20	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	15.02	
For Up To 12" Length, Deduct	-2.91	
For >12" To <24" Length, Deduct	-1.45	
03 21 16 00-0177 EA 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	18.09	
For Up To 12" Length, Deduct	-3.52	
For >12" To <24" Length, Deduct	-1.76	

03 22 Fabric and Grid Reinforcing (03 20)

03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002 SF 6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.98	
For >5 Ton, Deduct	-0.14	
03 22 11 00-0003 SF 6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.13	
For >5 Ton, Deduct	-0.16	
03 22 11 00-0004 SF 6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.31	
For >5 Ton, Deduct	-0.18	
03 22 11 00-0005 SF 6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.58	
For >5 Ton, Deduct	-0.21	
03 22 11 00-0006 SF 4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.20	
For >5 Ton, Deduct	-0.17	
03 22 11 00-0007 SF 4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.37	
For >5 Ton, Deduct	-0.19	
03 22 11 00-0008 SF 4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.80	
For >5 Ton, Deduct	-0.24	
03 22 11 00-0009 SF 4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.13	
For >5 Ton, Deduct	-0.27	
03 22 11 00-0010 SF 2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	2.04	
For >5 Ton, Deduct	-0.25	

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002 SF 6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.12	
For >5 Ton, Deduct	-0.16	
03 22 13 00-0003 SF 6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.30	
For >5 Ton, Deduct	-0.18	
03 22 13 00-0004 SF 6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.53	
For >5 Ton, Deduct	-0.21	
03 22 13 00-0005 SF 6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.90	
For >5 Ton, Deduct	-0.25	
03 22 13 00-0006 SF 4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.40	
For >5 Ton, Deduct	-0.19	
03 22 13 00-0007 SF 4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.62	
For >5 Ton, Deduct	-0.21	

03	Concrete
03 20	Concrete Reinforcing
03 22	Fabric and Grid Reinforcing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 13 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....2.20 <i>For >5 Ton, Deduct</i>		-0.28
03 22 13 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....2.63 <i>For >5 Ton, Deduct</i>		-0.32
03 22 13 00-0010			Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13) Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0011	SF		2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5) .....3.71 <i>For >5 Ton, Deduct</i>		-0.56
03 22 16			Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)		
03 22 16 00-0001			Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 16) Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....1.11 <i>For >5 Ton, Deduct</i>		-0.15
03 22 16 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....1.28 <i>For >5 Ton, Deduct</i>		-0.18
03 22 16 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....1.51 <i>For >5 Ton, Deduct</i>		-0.20
03 22 16 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....1.86 <i>For >5 Ton, Deduct</i>		-0.24
03 22 16 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....1.37 <i>For >5 Ton, Deduct</i>		-0.19
03 22 16 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....1.59 <i>For >5 Ton, Deduct</i>		-0.21
03 22 16 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....2.15 <i>For >5 Ton, Deduct</i>		-0.27
03 22 16 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....2.56 <i>For >5 Ton, Deduct</i>		-0.32
03 22 23			Stainless Steel Welded Wire Fabric Reinforcing (03 22) Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.		
03 22 23 00-0001			Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 23)		
03 22 23 00-0002	SF		6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs .....2.06		
03 22 23 00-0003	SF		4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs .....2.69		
03 30			Cast-In-Place Concrete (03) See CSI section 01 74 19 00-0039 for hauling over 15 miles.		
03 30 53			Miscellaneous Cast-in-Place Concrete (03 30)		
03 30 53 00-0001			Place Concrete Duct Bank (03 30 53)		
03 30 53 00-0002	CY		Direct Chute, Place 3,000 PSI Concrete Duct Bank .....265.37 <i>For 2,000 PSI Concrete, Deduct</i>		-12.53
			<i>For 2,500 PSI Concrete, Deduct</i>		-6.26
			<i>For 3,500 PSI Concrete, Add</i>		11.60
			<i>For 3,750 PSI Concrete, Add</i>		15.78
			<i>For 4,000 PSI Concrete, Add</i>		19.95
			<i>For 4,500 PSI Concrete, Add</i>		23.20
			<i>For 5,000 PSI Concrete, Add</i>		26.45
			<i>For 6,000 PSI Concrete, Add</i>		62.64
			<i>For White Cement Concrete, Add</i>		27.84
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		30.16
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>		23.20
			<i>For Lightweight Aggregate, ASTM C330, Add</i>		81.20
			<i>For Up To 20, Add</i>		13.35
			<i>For >20 To 50, Add</i>		5.01
			<i>For >100 To 200, Deduct</i>		-5.31
			<i>For >200 To 400, Deduct</i>		-10.61
			<i>For >400, Deduct</i>		-15.92
03 30 53 00-0003			Place Concrete Thrust Blocks And Backfill (03 30 53)		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Miscellaneous Cast-in-Place Concrete	03 30 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0004 CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	307.37	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	30.15	
For >20 To 50, Add	11.31	
For >100 To 200, Deduct	-6.15	
For >200 To 400, Deduct	-12.29	
For >400, Deduct	-18.44	
03 30 53 00-0005 Place Concrete Slurry (03 30 53)		
03 30 53 00-0006 CY Direct Chute, Place Two Sack Cement, Concrete Slurry	242.90	
Note: Two 94# sack cement per CY.		
03 30 53 00-0007 CY Concrete Pump, Place Two Sack Cement, Concrete Slurry	236.25	
Note: Two 94# sack cement per CY. Excludes pumping equipment.		
03 30 53 00-0008 Hand Mix And Place Concrete (03 30 53)		
03 30 53 00-0009 CF Hand Mix And Place 3,000 PSI Concrete	22.43	
Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.		
For Up To 25 CF, Add	2.74	
For 2,000 PSI Concrete, Deduct	-0.54	
For 2,500 PSI Concrete, Deduct	-0.27	
For 3,500 PSI Concrete, Add	0.50	
For 3,750 PSI Concrete, Add	0.67	
For 4,000 PSI Concrete, Add	0.85	
For 4,500 PSI Concrete, Add	0.99	
For 5,000 PSI Concrete, Add	1.13	
For 6,000 PSI Concrete, Add	2.68	
For White Cement Concrete, Add	1.19	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	1.29	
For High Early Strength, Type 3 ASTM C150, Add	0.99	
For Lightweight Aggregate, ASTM C330, Add	3.47	
03 31 Structural Concrete (03 30)		
03 31 13 Heavyweight Structural Concrete (03 31)		
Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.		
03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)		
03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)		
Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0003 SF 4" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.44	
For 2,000 PSI Concrete, Deduct	-0.30	
For 2,500 PSI Concrete, Deduct	-0.15	
For 3,500 PSI Concrete, Add	0.11	
For 4,000 PSI Concrete, Add	0.35	
For 4,500 PSI Concrete, Add	0.44	
For 5,000 PSI Concrete, Add	0.51	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
For Up To 500, Add	3.41	
For >500 To 1,000, Add	2.37	
For >1,000 To 2,000, Add	1.33	
For >2,000 To 5,000, Add	0.66	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000 To 35,000, Deduct	-0.52	
For >35,000 To 50,000, Deduct	-0.75	
For >50,000 To 70,000, Deduct	-0.99	
For >70,000, Deduct	-1.23	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0004	SF		5" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.39	
			For 2,000 PSI Concrete, Deduct	-0.35	
			For 2,500 PSI Concrete, Deduct	-0.17	
			For 3,500 PSI Concrete, Add	0.12	
			For 4,000 PSI Concrete, Add	0.40	
			For 4,500 PSI Concrete, Add	0.51	
			For 5,000 PSI Concrete, Add	0.58	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
			For Up To 500, Add	3.67	
			For >500 To 1,000, Add	2.56	
			For >1,000 To 2,000, Add	1.44	
			For >2,000 To 5,000, Add	0.72	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000 To 35,000, Deduct	-0.58	
			For >35,000 To 50,000, Deduct	-0.84	
			For >50,000 To 70,000, Deduct	-1.10	
			For >70,000, Deduct	-1.36	
03 31 13 00-0005	SF		6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.73	
			For 2,000 PSI Concrete, Deduct	-0.40	
			For 2,500 PSI Concrete, Deduct	-0.20	
			For 3,500 PSI Concrete, Add	0.14	
			For 4,000 PSI Concrete, Add	0.47	
			For 4,500 PSI Concrete, Add	0.59	
			For 5,000 PSI Concrete, Add	0.68	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
			For Up To 500, Add	4.05	
			For >500 To 1,000, Add	2.82	
			For >1,000 To 2,000, Add	1.60	
			For >2,000 To 5,000, Add	0.80	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000 To 35,000, Deduct	-0.67	
			For >35,000 To 50,000, Deduct	-0.96	
			For >50,000 To 70,000, Deduct	-1.25	
			For >70,000, Deduct	-1.55	
03 31 13 00-0006	SF		7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	13.03	
			For 2,000 PSI Concrete, Deduct	-0.46	
			For 2,500 PSI Concrete, Deduct	-0.23	
			For 3,500 PSI Concrete, Add	0.16	
			For 4,000 PSI Concrete, Add	0.54	
			For 4,500 PSI Concrete, Add	0.68	
			For 5,000 PSI Concrete, Add	0.78	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
			For Up To 500, Add	4.38	
			For >500 To 1,000, Add	3.06	
			For >1,000 To 2,000, Add	1.75	
			For >2,000 To 5,000, Add	0.87	
			For >10,000 To 20,000, Deduct	-0.43	
			For >20,000 To 35,000, Deduct	-0.76	
			For >35,000 To 50,000, Deduct	-1.08	
			For >50,000 To 70,000, Deduct	-1.41	
			For >70,000, Deduct	-1.73	
03 31 13 00-0007	SF		8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	14.13	
			For 2,000 PSI Concrete, Deduct	-0.51	
			For 2,500 PSI Concrete, Deduct	-0.26	
			For 3,500 PSI Concrete, Add	0.18	
			For 4,000 PSI Concrete, Add	0.60	
			For 4,500 PSI Concrete, Add	0.75	
			For 5,000 PSI Concrete, Add	0.87	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
			For Up To 500, Add	4.67	
			For >500 To 1,000, Add	3.27	
			For >1,000 To 2,000, Add	1.87	
			For >2,000 To 5,000, Add	0.94	
			For >10,000 To 20,000, Deduct	-0.48	
			For >20,000 To 35,000, Deduct	-0.83	
			For >35,000 To 50,000, Deduct	-1.18	
			For >50,000 To 70,000, Deduct	-1.54	
			For >70,000, Deduct	-1.89	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008 SF 10" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	16.99	
For 2,000 PSI Concrete, Deduct	-0.65	
For 2,500 PSI Concrete, Deduct	-0.32	
For 3,500 PSI Concrete, Add	0.23	
For 4,000 PSI Concrete, Add	0.76	
For 4,500 PSI Concrete, Add	0.95	
For 5,000 PSI Concrete, Add	1.09	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
For Up To 500, Add	5.38	
For >500 To 1,000, Add	3.79	
For >1,000 To 2,000, Add	2.20	
For >2,000 To 5,000, Add	1.10	
For >10,000 To 20,000, Deduct	-0.60	
For >20,000 To 35,000, Deduct	-1.03	
For >35,000 To 50,000, Deduct	-1.45	
For >50,000 To 70,000, Deduct	-1.88	
For >70,000, Deduct	-2.30	
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	19.18	
For 2,000 PSI Concrete, Deduct	-0.75	
For 2,500 PSI Concrete, Deduct	-0.37	
For 3,500 PSI Concrete, Add	0.26	
For 4,000 PSI Concrete, Add	0.87	
For 4,500 PSI Concrete, Add	1.09	
For 5,000 PSI Concrete, Add	1.26	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
For Up To 500, Add	5.96	
For >500 To 1,000, Add	4.21	
For >1,000 To 2,000, Add	2.45	
For >2,000 To 5,000, Add	1.23	
For >10,000 To 20,000, Deduct	-0.69	
For >20,000 To 35,000, Deduct	-1.17	
For >35,000 To 50,000, Deduct	-1.65	
For >50,000 To 70,000, Deduct	-2.13	
For >70,000, Deduct	-2.61	
03 31 13 00-0010 Concrete Delivery And Placement <small>(03 31 13)</small>		
Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.		
03 31 13 00-0011 Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0012 Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	358.65	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	50.66	
For >20 To 50, Add	19.00	
For >100 To 200, Deduct	-7.17	
For >200 To 400, Deduct	-14.35	
For >400, Deduct	-21.52	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	287.42	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	22.17	
For >20 To 50, Add	8.31	
For >100 To 200, Deduct	-5.75	
For >200 To 400, Deduct	-11.50	
For >400, Deduct	-17.25	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	304.11	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-13.57	
			For 2,500 PSI Concrete, Deduct	-6.79	
			For 3,500 PSI Concrete, Add	12.57	
			For 3,750 PSI Concrete, Add	17.09	
			For 4,000 PSI Concrete, Add	21.61	
			For 4,500 PSI Concrete, Add	25.13	
			For 5,000 PSI Concrete, Add	28.65	
			For 6,000 PSI Concrete, Add	67.86	
			For White Cement Concrete, Add	30.16	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
			For High Early Strength, Type 3 ASTM C150, Add	25.13	
			For Lightweight Aggregate, ASTM C330, Add	87.97	
			For Up To 20, Add	21.11	
			For >20 To 50, Add	7.92	
			For >100 To 200, Deduct	-6.08	
			For >200 To 400, Deduct	-12.16	
			For >400, Deduct	-18.25	
	03 31 13 00-0016		Place Concrete Continuous Footings (03 31 13 00-0011)		
	03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	344.58	
			For 2,000 PSI Concrete, Deduct	-12.53	
			For 2,500 PSI Concrete, Deduct	-6.26	
			For 3,500 PSI Concrete, Add	11.60	
			For 3,750 PSI Concrete, Add	15.78	
			For 4,000 PSI Concrete, Add	19.95	
			For 4,500 PSI Concrete, Add	23.20	
			For 5,000 PSI Concrete, Add	26.45	
			For 6,000 PSI Concrete, Add	62.64	
			For White Cement Concrete, Add	27.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
			For High Early Strength, Type 3 ASTM C150, Add	23.20	
			For Lightweight Aggregate, ASTM C330, Add	81.20	
			For Up To 20, Add	45.03	
			For >20 To 50, Add	16.89	
			For >100 To 200, Deduct	-6.89	
			For >200 To 400, Deduct	-13.78	
			For >400, Deduct	-20.67	
	03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	281.25	
			For 2,000 PSI Concrete, Deduct	-12.53	
			For 2,500 PSI Concrete, Deduct	-6.26	
			For 3,500 PSI Concrete, Add	11.60	
			For 3,750 PSI Concrete, Add	15.78	
			For 4,000 PSI Concrete, Add	19.95	
			For 4,500 PSI Concrete, Add	23.20	
			For 5,000 PSI Concrete, Add	26.45	
			For 6,000 PSI Concrete, Add	62.64	
			For White Cement Concrete, Add	27.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
			For High Early Strength, Type 3 ASTM C150, Add	23.20	
			For Lightweight Aggregate, ASTM C330, Add	81.20	
			For Up To 20, Add	19.70	
			For >20 To 50, Add	7.39	
			For >100 To 200, Deduct	-5.63	
			For >200 To 400, Deduct	-11.25	
			For >400, Deduct	-16.88	
	03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	298.24	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-13.57	
			For 2,500 PSI Concrete, Deduct	-6.79	
			For 3,500 PSI Concrete, Add	12.57	
			For 3,750 PSI Concrete, Add	17.09	
			For 4,000 PSI Concrete, Add	21.61	
			For 4,500 PSI Concrete, Add	25.13	
			For 5,000 PSI Concrete, Add	28.65	
			For 6,000 PSI Concrete, Add	67.86	
			For White Cement Concrete, Add	30.16	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
			For High Early Strength, Type 3 ASTM C150, Add	25.13	
			For Lightweight Aggregate, ASTM C330, Add	87.97	
			For Up To 20, Add	18.76	
			For >20 To 50, Add	7.04	
			For >100 To 200, Deduct	-5.96	
			For >200 To 400, Deduct	-11.93	
			For >400, Deduct	-17.89	
	03 31 13 00-0020		Place Concrete Spread Footings (03 31 13 00-0011)		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0021 CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	421.97	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	75.99	
For >20 To 50, Add	28.50	
For >100 To 200, Deduct	-8.44	
For >200 To 400, Deduct	-16.88	
For >400, Deduct	-25.32	
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings	315.11	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	33.25	
For >20 To 50, Add	12.47	
For >100 To 200, Deduct	-6.30	
For >200 To 400, Deduct	-12.60	
For >400, Deduct	-18.91	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings	330.50	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-13.57	
For 2,500 PSI Concrete, Deduct	-6.79	
For 3,500 PSI Concrete, Add	12.57	
For 3,750 PSI Concrete, Add	17.09	
For 4,000 PSI Concrete, Add	21.61	
For 4,500 PSI Concrete, Add	25.13	
For 5,000 PSI Concrete, Add	28.65	
For 6,000 PSI Concrete, Add	67.86	
For White Cement Concrete, Add	30.16	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
For High Early Strength, Type 3 ASTM C150, Add	25.13	
For Lightweight Aggregate, ASTM C330, Add	87.97	
For Up To 20, Add	31.67	
For >20 To 50, Add	11.88	
For >100 To 200, Deduct	-6.61	
For >200 To 400, Deduct	-13.22	
For >400, Deduct	-19.83	
03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	265.76	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	13.51	
For >20 To 50, Add	5.07	
For >100 To 200, Deduct	-5.32	
For >200 To 400, Deduct	-10.63	
For >400, Deduct	-15.95	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0026	CY		Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	246.77	
			<i>For 2,000 PSI Concrete, Deduct</i>	-12.53	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.26	
			<i>For 3,500 PSI Concrete, Add</i>	11.60	
			<i>For 3,750 PSI Concrete, Add</i>	15.78	
			<i>For 4,000 PSI Concrete, Add</i>	19.95	
			<i>For 4,500 PSI Concrete, Add</i>	23.20	
			<i>For 5,000 PSI Concrete, Add</i>	26.45	
			<i>For 6,000 PSI Concrete, Add</i>	62.64	
			<i>For White Cement Concrete, Add</i>	27.84	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20	
			<i>For Up To 20, Add</i>	5.91	
			<i>For >20 To 50, Add</i>	2.22	
			<i>For >100 To 200, Deduct</i>	-4.94	
			<i>For >200 To 400, Deduct</i>	-9.87	
			<i>For >400, Deduct</i>	-14.81	
03 31 13 00-0027	CY		Concrete Pump, Place 3,000 PSI Concrete Mat Foundation	263.64	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Add</i>	12.57	
			<i>For 3,750 PSI Concrete, Add</i>	17.09	
			<i>For 4,000 PSI Concrete, Add</i>	21.61	
			<i>For 4,500 PSI Concrete, Add</i>	25.13	
			<i>For 5,000 PSI Concrete, Add</i>	28.65	
			<i>For 6,000 PSI Concrete, Add</i>	67.86	
			<i>For White Cement Concrete, Add</i>	30.16	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
			<i>For Up To 20, Add</i>	4.92	
			<i>For >20 To 50, Add</i>	1.85	
			<i>For >100 To 200, Deduct</i>	-5.27	
			<i>For >200 To 400, Deduct</i>	-10.55	
			<i>For >400, Deduct</i>	-15.82	
03 31 13 00-0028			Place Concrete Grade Beams <small>(03 31 13 00-0011)</small>	322.06	
03 31 13 00-0029	CY		Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	322.06	
			<i>For 2,000 PSI Concrete, Deduct</i>	-12.53	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.26	
			<i>For 3,500 PSI Concrete, Add</i>	11.60	
			<i>For 3,750 PSI Concrete, Add</i>	15.78	
			<i>For 4,000 PSI Concrete, Add</i>	19.95	
			<i>For 4,500 PSI Concrete, Add</i>	23.20	
			<i>For 5,000 PSI Concrete, Add</i>	26.45	
			<i>For 6,000 PSI Concrete, Add</i>	62.64	
			<i>For White Cement Concrete, Add</i>	27.84	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20	
			<i>For Up To 20, Add</i>	36.02	
			<i>For >20 To 50, Add</i>	13.51	
			<i>For >100 To 200, Deduct</i>	-6.44	
			<i>For >200 To 400, Deduct</i>	-12.88	
			<i>For >400, Deduct</i>	-19.32	
03 31 13 00-0030	CY		Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	271.39	
			<i>For 2,000 PSI Concrete, Deduct</i>	-12.53	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.26	
			<i>For 3,500 PSI Concrete, Add</i>	11.60	
			<i>For 3,750 PSI Concrete, Add</i>	15.78	
			<i>For 4,000 PSI Concrete, Add</i>	19.95	
			<i>For 4,500 PSI Concrete, Add</i>	23.20	
			<i>For 5,000 PSI Concrete, Add</i>	26.45	
			<i>For 6,000 PSI Concrete, Add</i>	62.64	
			<i>For White Cement Concrete, Add</i>	27.84	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20	
			<i>For Up To 20, Add</i>	15.76	
			<i>For >20 To 50, Add</i>	5.91	
			<i>For >100 To 200, Deduct</i>	-5.43	
			<i>For >200 To 400, Deduct</i>	-10.86	
			<i>For >400, Deduct</i>	-16.28	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0031 CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	288.86	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-13.57	
For 2,500 PSI Concrete, Deduct	-6.79	
For 3,500 PSI Concrete, Add	12.57	
For 3,750 PSI Concrete, Add	17.09	
For 4,000 PSI Concrete, Add	21.61	
For 4,500 PSI Concrete, Add	25.13	
For 5,000 PSI Concrete, Add	28.65	
For 6,000 PSI Concrete, Add	67.86	
For White Cement Concrete, Add	30.16	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
For High Early Strength, Type 3 ASTM C150, Add	25.13	
For Lightweight Aggregate, ASTM C330, Add	87.97	
For Up To 20, Add	15.01	
For >20 To 50, Add	5.63	
For >100 To 200, Deduct	-5.78	
For >200 To 400, Deduct	-11.55	
For >400, Deduct	-17.33	
03 31 13 00-0032 Place Concrete Slab On Grade <small>(03 31 13 00-0011)</small>		
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	324.17	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	36.87	
For >20 To 50, Add	13.83	
For >100 To 200, Deduct	-6.48	
For >200 To 400, Deduct	-12.97	
For >400, Deduct	-19.45	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	301.93	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	27.98	
For >20 To 50, Add	10.49	
For >100 To 200, Deduct	-6.04	
For >200 To 400, Deduct	-12.08	
For >400, Deduct	-18.12	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	272.32	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	16.13	
For >20 To 50, Add	6.05	
For >100 To 200, Deduct	-5.45	
For >200 To 400, Deduct	-10.89	
For >400, Deduct	-16.34	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0036	CY	>6"	By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	262.59	
			<i>For 2,000 PSI Concrete, Deduct</i>	-12.53	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.26	
			<i>For 3,500 PSI Concrete, Add</i>	11.60	
			<i>For 3,750 PSI Concrete, Add</i>	15.78	
			<i>For 4,000 PSI Concrete, Add</i>	19.95	
			<i>For 4,500 PSI Concrete, Add</i>	23.20	
			<i>For 5,000 PSI Concrete, Add</i>	26.45	
			<i>For 6,000 PSI Concrete, Add</i>	62.64	
			<i>For White Cement Concrete, Add</i>	27.84	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20	
			<i>For Up To 20, Add</i>	12.24	
			<i>For >20 To 50, Add</i>	4.59	
			<i>For >100 To 200, Deduct</i>	-5.25	
			<i>For >200 To 400, Deduct</i>	-10.50	
			<i>For >400, Deduct</i>	-15.76	
03 31 13 00-0037	CY	Up To 6"	By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	284.94	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Add</i>	12.57	
			<i>For 3,750 PSI Concrete, Add</i>	17.09	
			<i>For 4,000 PSI Concrete, Add</i>	21.61	
			<i>For 4,500 PSI Concrete, Add</i>	25.13	
			<i>For 5,000 PSI Concrete, Add</i>	28.65	
			<i>For 6,000 PSI Concrete, Add</i>	67.86	
			<i>For White Cement Concrete, Add</i>	30.16	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
			<i>For Up To 20, Add</i>	13.44	
			<i>For >20 To 50, Add</i>	5.04	
			<i>For >100 To 200, Deduct</i>	-5.70	
			<i>For >200 To 400, Deduct</i>	-11.40	
			<i>For >400, Deduct</i>	-17.10	
03 31 13 00-0038	CY	>6"	By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	276.84	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Add</i>	12.57	
			<i>For 3,750 PSI Concrete, Add</i>	17.09	
			<i>For 4,000 PSI Concrete, Add</i>	21.61	
			<i>For 4,500 PSI Concrete, Add</i>	25.13	
			<i>For 5,000 PSI Concrete, Add</i>	28.65	
			<i>For 6,000 PSI Concrete, Add</i>	67.86	
			<i>For White Cement Concrete, Add</i>	30.16	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
			<i>For Up To 20, Add</i>	10.20	
			<i>For >20 To 50, Add</i>	3.83	
			<i>For >100 To 200, Deduct</i>	-5.54	
			<i>For >200 To 400, Deduct</i>	-11.07	
			<i>For >400, Deduct</i>	-16.61	
03 31 13 00-0039			Place Concrete Stairs <small>(03 31 13 00-0011)</small>		
03 31 13 00-0040	CY	Crane And Bucket,	Place 3,000 PSI On Grade Concrete Stairs.....	646.74	
			<i>For 2,000 PSI Concrete, Deduct</i>	-12.53	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.26	
			<i>For 3,500 PSI Concrete, Add</i>	11.60	
			<i>For 3,750 PSI Concrete, Add</i>	15.78	
			<i>For 4,000 PSI Concrete, Add</i>	19.95	
			<i>For 4,500 PSI Concrete, Add</i>	23.20	
			<i>For 5,000 PSI Concrete, Add</i>	26.45	
			<i>For 6,000 PSI Concrete, Add</i>	62.64	
			<i>For White Cement Concrete, Add</i>	27.84	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20	
			<i>For Up To 20, Add</i>	165.90	
			<i>For >20 To 50, Add</i>	62.21	
			<i>For >100 To 200, Deduct</i>	-12.93	
			<i>For >200 To 400, Deduct</i>	-25.87	
			<i>For >400, Deduct</i>	-38.80	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0041 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	413.49	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	72.60	
For >20 To 50, Add	27.23	
For >100 To 200, Deduct	-8.27	
For >200 To 400, Deduct	-16.54	
For >400, Deduct	-24.81	
03 31 13 00-0042 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	402.60	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-13.57	
For 2,500 PSI Concrete, Deduct	-6.79	
For 3,500 PSI Concrete, Add	12.57	
For 3,750 PSI Concrete, Add	17.09	
For 4,000 PSI Concrete, Add	21.61	
For 4,500 PSI Concrete, Add	25.13	
For 5,000 PSI Concrete, Add	28.65	
For 6,000 PSI Concrete, Add	67.86	
For White Cement Concrete, Add	30.16	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
For High Early Strength, Type 3 ASTM C150, Add	25.13	
For Lightweight Aggregate, ASTM C330, Add	87.97	
For Up To 20, Add	60.51	
For >20 To 50, Add	22.69	
For >100 To 200, Deduct	-8.05	
For >200 To 400, Deduct	-16.10	
For >400, Deduct	-24.16	
03 31 13 00-0043 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0044 Place Elevated Concrete Beams (03 31 13 00-0043)		
03 31 13 00-0045 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	457.16	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	90.07	
For >20 To 50, Add	33.78	
For >100 To 200, Deduct	-9.14	
For >200 To 400, Deduct	-18.29	
For >400, Deduct	-27.43	
03 31 13 00-0046 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	345.16	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-13.57	
For 2,500 PSI Concrete, Deduct	-6.79	
For 3,500 PSI Concrete, Add	12.57	
For 3,750 PSI Concrete, Add	17.09	
For 4,000 PSI Concrete, Add	21.61	
For 4,500 PSI Concrete, Add	25.13	
For 5,000 PSI Concrete, Add	28.65	
For 6,000 PSI Concrete, Add	67.86	
For White Cement Concrete, Add	30.16	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
For High Early Strength, Type 3 ASTM C150, Add	25.13	
For Lightweight Aggregate, ASTM C330, Add	87.97	
For Up To 20, Add	37.53	
For >20 To 50, Add	14.07	
For >100 To 200, Deduct	-6.90	
For >200 To 400, Deduct	-13.81	
For >400, Deduct	-20.71	
03 31 13 00-0047 Place Elevated Concrete Slab (03 31 13 00-0043)		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	338.00	
		<i>For 2,000 PSI Concrete, Deduct</i>	-12.53	
		<i>For 2,500 PSI Concrete, Deduct</i>	-6.26	
		<i>For 3,500 PSI Concrete, Add</i>	11.60	
		<i>For 3,750 PSI Concrete, Add</i>	15.78	
		<i>For 4,000 PSI Concrete, Add</i>	19.95	
		<i>For 4,500 PSI Concrete, Add</i>	23.20	
		<i>For 5,000 PSI Concrete, Add</i>	26.45	
		<i>For 6,000 PSI Concrete, Add</i>	62.64	
		<i>For White Cement Concrete, Add</i>	27.84	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20	
		<i>For Up To 20, Add</i>	42.40	
		<i>For >20 To 50, Add</i>	15.90	
		<i>For >100 To 200, Deduct</i>	-6.76	
		<i>For >200 To 400, Deduct</i>	-13.52	
		<i>For >400, Deduct</i>	-20.28	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	312.42	
		<i>For 2,000 PSI Concrete, Deduct</i>	-12.53	
		<i>For 2,500 PSI Concrete, Deduct</i>	-6.26	
		<i>For 3,500 PSI Concrete, Add</i>	11.60	
		<i>For 3,750 PSI Concrete, Add</i>	15.78	
		<i>For 4,000 PSI Concrete, Add</i>	19.95	
		<i>For 4,500 PSI Concrete, Add</i>	23.20	
		<i>For 5,000 PSI Concrete, Add</i>	26.45	
		<i>For 6,000 PSI Concrete, Add</i>	62.64	
		<i>For White Cement Concrete, Add</i>	27.84	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20	
		<i>For Up To 20, Add</i>	32.17	
		<i>For >20 To 50, Add</i>	12.06	
		<i>For >100 To 200, Deduct</i>	-6.25	
		<i>For >200 To 400, Deduct</i>	-12.50	
		<i>For >400, Deduct</i>	-18.75	
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	295.51	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
		<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
		<i>For 3,500 PSI Concrete, Add</i>	12.57	
		<i>For 3,750 PSI Concrete, Add</i>	17.09	
		<i>For 4,000 PSI Concrete, Add</i>	21.61	
		<i>For 4,500 PSI Concrete, Add</i>	25.13	
		<i>For 5,000 PSI Concrete, Add</i>	28.65	
		<i>For 6,000 PSI Concrete, Add</i>	67.86	
		<i>For White Cement Concrete, Add</i>	30.16	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
		<i>For Up To 20, Add</i>	17.67	
		<i>For >20 To 50, Add</i>	6.63	
		<i>For >100 To 200, Deduct</i>	-5.91	
		<i>For >200 To 400, Deduct</i>	-11.82	
		<i>For >400, Deduct</i>	-17.73	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	284.85	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
		<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
		<i>For 3,500 PSI Concrete, Add</i>	12.57	
		<i>For 3,750 PSI Concrete, Add</i>	17.09	
		<i>For 4,000 PSI Concrete, Add</i>	21.61	
		<i>For 4,500 PSI Concrete, Add</i>	25.13	
		<i>For 5,000 PSI Concrete, Add</i>	28.65	
		<i>For 6,000 PSI Concrete, Add</i>	67.86	
		<i>For White Cement Concrete, Add</i>	30.16	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
		<i>For Up To 20, Add</i>	13.41	
		<i>For >20 To 50, Add</i>	5.03	
		<i>For >100 To 200, Deduct</i>	-5.70	
		<i>For >200 To 400, Deduct</i>	-11.39	
		<i>For >400, Deduct</i>	-17.09	

03 31 13 00-0052 Place Concrete Columns (03 31 13 00-0043)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0053 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	475.18	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	97.27	
For >20 To 50, Add	36.48	
For >100 To 200, Deduct	-9.50	
For >200 To 400, Deduct	-19.01	
For >400, Deduct	-28.51	
03 31 13 00-0054 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	408.74	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	70.70	
For >20 To 50, Add	26.51	
For >100 To 200, Deduct	-8.17	
For >200 To 400, Deduct	-16.35	
For >400, Deduct	-24.52	
03 31 13 00-0055 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	361.24	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	51.70	
For >20 To 50, Add	19.39	
For >100 To 200, Deduct	-7.22	
For >200 To 400, Deduct	-14.45	
For >400, Deduct	-21.67	
03 31 13 00-0056 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	340.07	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	43.23	
For >20 To 50, Add	16.21	
For >100 To 200, Deduct	-6.80	
For >200 To 400, Deduct	-13.60	
For >400, Deduct	-20.40	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0057	CY		12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....352.66 Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Add</i>	12.57	
			<i>For 3,750 PSI Concrete, Add</i>	17.09	
			<i>For 4,000 PSI Concrete, Add</i>	21.61	
			<i>For 4,500 PSI Concrete, Add</i>	25.13	
			<i>For 5,000 PSI Concrete, Add</i>	28.65	
			<i>For 6,000 PSI Concrete, Add</i>	67.86	
			<i>For White Cement Concrete, Add</i>	30.16	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
			<i>For Up To 20, Add</i>	40.53	
			<i>For >20 To 50, Add</i>	15.20	
			<i>For >100 To 200, Deduct</i>	-7.05	
			<i>For >200 To 400, Deduct</i>	-14.11	
			<i>For >400, Deduct</i>	-21.16	
03 31 13 00-0058	CY		18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....324.99 Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Add</i>	12.57	
			<i>For 3,750 PSI Concrete, Add</i>	17.09	
			<i>For 4,000 PSI Concrete, Add</i>	21.61	
			<i>For 4,500 PSI Concrete, Add</i>	25.13	
			<i>For 5,000 PSI Concrete, Add</i>	28.65	
			<i>For 6,000 PSI Concrete, Add</i>	67.86	
			<i>For White Cement Concrete, Add</i>	30.16	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
			<i>For Up To 20, Add</i>	29.46	
			<i>For >20 To 50, Add</i>	11.05	
			<i>For >100 To 200, Deduct</i>	-6.50	
			<i>For >200 To 400, Deduct</i>	-13.00	
			<i>For >400, Deduct</i>	-19.50	
03 31 13 00-0059	CY		24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....305.19 Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Add</i>	12.57	
			<i>For 3,750 PSI Concrete, Add</i>	17.09	
			<i>For 4,000 PSI Concrete, Add</i>	21.61	
			<i>For 4,500 PSI Concrete, Add</i>	25.13	
			<i>For 5,000 PSI Concrete, Add</i>	28.65	
			<i>For 6,000 PSI Concrete, Add</i>	67.86	
			<i>For White Cement Concrete, Add</i>	30.16	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
			<i>For Up To 20, Add</i>	21.54	
			<i>For >20 To 50, Add</i>	8.08	
			<i>For >100 To 200, Deduct</i>	-6.10	
			<i>For >200 To 400, Deduct</i>	-12.21	
			<i>For >400, Deduct</i>	-18.31	
03 31 13 00-0060	CY		36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....296.36 Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-13.57	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Add</i>	12.57	
			<i>For 3,750 PSI Concrete, Add</i>	17.09	
			<i>For 4,000 PSI Concrete, Add</i>	21.61	
			<i>For 4,500 PSI Concrete, Add</i>	25.13	
			<i>For 5,000 PSI Concrete, Add</i>	28.65	
			<i>For 6,000 PSI Concrete, Add</i>	67.86	
			<i>For White Cement Concrete, Add</i>	30.16	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97	
			<i>For Up To 20, Add</i>	18.01	
			<i>For >20 To 50, Add</i>	6.75	
			<i>For >100 To 200, Deduct</i>	-5.93	
			<i>For >200 To 400, Deduct</i>	-11.85	
			<i>For >400, Deduct</i>	-17.78	

03 31 13 00-0061 Place Concrete Walls (03 31 13 00-0043)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0062 CY Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	459.96	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	91.19	
For >20 To 50, Add	34.20	
For >100 To 200, Deduct	-9.20	
For >200 To 400, Deduct	-18.40	
For >400, Deduct	-27.60	
03 31 13 00-0063 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	441.06	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	83.63	
For >20 To 50, Add	31.36	
For >100 To 200, Deduct	-8.82	
For >200 To 400, Deduct	-17.64	
For >400, Deduct	-26.46	
03 31 13 00-0064 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	391.57	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	63.83	
For >20 To 50, Add	23.94	
For >100 To 200, Deduct	-7.83	
For >200 To 400, Deduct	-15.66	
For >400, Deduct	-23.49	
03 31 13 00-0065 CY Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	331.74	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	39.90	
For >20 To 50, Add	14.96	
For >100 To 200, Deduct	-6.63	
For >200 To 400, Deduct	-13.27	
For >400, Deduct	-19.90	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0066	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	311.79	
	For 2,000 PSI Concrete, Deduct	-12.53	
	For 2,500 PSI Concrete, Deduct	-6.26	
	For 3,500 PSI Concrete, Add	11.60	
	For 3,750 PSI Concrete, Add	15.78	
	For 4,000 PSI Concrete, Add	19.95	
	For 4,500 PSI Concrete, Add	23.20	
	For 5,000 PSI Concrete, Add	26.45	
	For 6,000 PSI Concrete, Add	62.64	
	For White Cement Concrete, Add	27.84	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
	For High Early Strength, Type 3 ASTM C150, Add	23.20	
	For Lightweight Aggregate, ASTM C330, Add	81.20	
	For Up To 20, Add	31.92	
	For >20 To 50, Add	11.97	
	For >100 To 200, Deduct	-6.24	
	For >200 To 400, Deduct	-12.47	
	For >400, Deduct	-18.71	
03 31 13 00-0067	CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	301.82	
	For 2,000 PSI Concrete, Deduct	-12.53	
	For 2,500 PSI Concrete, Deduct	-6.26	
	For 3,500 PSI Concrete, Add	11.60	
	For 3,750 PSI Concrete, Add	15.78	
	For 4,000 PSI Concrete, Add	19.95	
	For 4,500 PSI Concrete, Add	23.20	
	For 5,000 PSI Concrete, Add	26.45	
	For 6,000 PSI Concrete, Add	62.64	
	For White Cement Concrete, Add	27.84	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
	For High Early Strength, Type 3 ASTM C150, Add	23.20	
	For Lightweight Aggregate, ASTM C330, Add	81.20	
	For Up To 20, Add	27.93	
	For >20 To 50, Add	10.47	
	For >100 To 200, Deduct	-6.04	
	For >200 To 400, Deduct	-12.07	
	For >400, Deduct	-18.11	
03 31 13 00-0068	CY Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	346.33	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-13.57	
	For 2,500 PSI Concrete, Deduct	-6.79	
	For 3,500 PSI Concrete, Add	12.57	
	For 3,750 PSI Concrete, Add	17.09	
	For 4,000 PSI Concrete, Add	21.61	
	For 4,500 PSI Concrete, Add	25.13	
	For 5,000 PSI Concrete, Add	28.65	
	For 6,000 PSI Concrete, Add	67.86	
	For White Cement Concrete, Add	30.16	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
	For High Early Strength, Type 3 ASTM C150, Add	25.13	
	For Lightweight Aggregate, ASTM C330, Add	87.97	
	For Up To 20, Add	38.00	
	For >20 To 50, Add	14.25	
	For >100 To 200, Deduct	-6.93	
	For >200 To 400, Deduct	-13.85	
	For >400, Deduct	-20.78	
03 31 13 00-0069	CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	327.32	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-13.57	
	For 2,500 PSI Concrete, Deduct	-6.79	
	For 3,500 PSI Concrete, Add	12.57	
	For 3,750 PSI Concrete, Add	17.09	
	For 4,000 PSI Concrete, Add	21.61	
	For 4,500 PSI Concrete, Add	25.13	
	For 5,000 PSI Concrete, Add	28.65	
	For 6,000 PSI Concrete, Add	67.86	
	For White Cement Concrete, Add	30.16	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
	For High Early Strength, Type 3 ASTM C150, Add	25.13	
	For Lightweight Aggregate, ASTM C330, Add	87.97	
	For Up To 20, Add	30.40	
	For >20 To 50, Add	11.40	
	For >100 To 200, Deduct	-6.55	
	For >200 To 400, Deduct	-13.09	
	For >400, Deduct	-19.64	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0070 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	317.83	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-13.57	
For 2,500 PSI Concrete, Deduct	-6.79	
For 3,500 PSI Concrete, Add	12.57	
For 3,750 PSI Concrete, Add	17.09	
For 4,000 PSI Concrete, Add	21.61	
For 4,500 PSI Concrete, Add	25.13	
For 5,000 PSI Concrete, Add	28.65	
For 6,000 PSI Concrete, Add	67.86	
For White Cement Concrete, Add	30.16	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
For High Early Strength, Type 3 ASTM C150, Add	25.13	
For Lightweight Aggregate, ASTM C330, Add	87.97	
For Up To 20, Add	26.60	
For >20 To 50, Add	9.98	
For >100 To 200, Deduct	-6.36	
For >200 To 400, Deduct	-12.71	
For >400, Deduct	-19.07	
03 31 13 00-0071 Place Elevated Concrete Stairs (03 31 13 00-0043)		
03 31 13 00-0072 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	692.87	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	184.35	
For >20 To 50, Add	69.13	
For >100 To 200, Deduct	-13.86	
For >200 To 400, Deduct	-27.71	
For >400, Deduct	-41.57	
03 31 13 00-0073 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	433.66	
For 2,000 PSI Concrete, Deduct	-12.53	
For 2,500 PSI Concrete, Deduct	-6.26	
For 3,500 PSI Concrete, Add	11.60	
For 3,750 PSI Concrete, Add	15.78	
For 4,000 PSI Concrete, Add	19.95	
For 4,500 PSI Concrete, Add	23.20	
For 5,000 PSI Concrete, Add	26.45	
For 6,000 PSI Concrete, Add	62.64	
For White Cement Concrete, Add	27.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	30.16	
For High Early Strength, Type 3 ASTM C150, Add	23.20	
For Lightweight Aggregate, ASTM C330, Add	81.20	
For Up To 20, Add	80.66	
For >20 To 50, Add	30.25	
For >100 To 200, Deduct	-8.67	
For >200 To 400, Deduct	-17.35	
For >400, Deduct	-26.02	
03 31 13 00-0074 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	419.39	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-13.57	
For 2,500 PSI Concrete, Deduct	-6.79	
For 3,500 PSI Concrete, Add	12.57	
For 3,750 PSI Concrete, Add	17.09	
For 4,000 PSI Concrete, Add	21.61	
For 4,500 PSI Concrete, Add	25.13	
For 5,000 PSI Concrete, Add	28.65	
For 6,000 PSI Concrete, Add	67.86	
For White Cement Concrete, Add	30.16	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	32.67	
For High Early Strength, Type 3 ASTM C150, Add	25.13	
For Lightweight Aggregate, ASTM C330, Add	87.97	
For Up To 20, Add	67.22	
For >20 To 50, Add	25.21	
For >100 To 200, Deduct	-8.39	
For >200 To 400, Deduct	-16.78	
For >400, Deduct	-25.16	
03 31 13 00-0075 Place Concrete Coping (03 31 13 00-0043)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0076	CY Crane And Bucket, Place 3,000 PSI Concrete Coping	708.82
	<i>For 2,000 PSI Concrete, Deduct</i>	-12.53
	<i>For 2,500 PSI Concrete, Deduct</i>	-6.26
	<i>For 3,500 PSI Concrete, Add</i>	11.60
	<i>For 3,750 PSI Concrete, Add</i>	15.78
	<i>For 4,000 PSI Concrete, Add</i>	19.95
	<i>For 4,500 PSI Concrete, Add</i>	23.20
	<i>For 5,000 PSI Concrete, Add</i>	26.45
	<i>For 6,000 PSI Concrete, Add</i>	62.64
	<i>For White Cement Concrete, Add</i>	27.84
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20
	<i>For Up To 20, Add</i>	190.73
	<i>For >20 To 50, Add</i>	71.52
	<i>For >100 To 200, Deduct</i>	-14.18
	<i>For >200 To 400, Deduct</i>	-28.35
	<i>For >400, Deduct</i>	-42.53
03 31 13 00-0077	CY Direct Chute, Place 3,000 PSI Concrete Coping	432.30
	<i>For 2,000 PSI Concrete, Deduct</i>	-12.53
	<i>For 2,500 PSI Concrete, Deduct</i>	-6.26
	<i>For 3,500 PSI Concrete, Add</i>	11.60
	<i>For 3,750 PSI Concrete, Add</i>	15.78
	<i>For 4,000 PSI Concrete, Add</i>	19.95
	<i>For 4,500 PSI Concrete, Add</i>	23.20
	<i>For 5,000 PSI Concrete, Add</i>	26.45
	<i>For 6,000 PSI Concrete, Add</i>	62.64
	<i>For White Cement Concrete, Add</i>	27.84
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	30.16
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	23.20
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	81.20
	<i>For Up To 20, Add</i>	80.12
	<i>For >20 To 50, Add</i>	30.05
	<i>For >100 To 200, Deduct</i>	-8.65
	<i>For >200 To 400, Deduct</i>	-17.29
	<i>For >400, Deduct</i>	-25.94
03 31 13 00-0078	CY Concrete Pump, Place 3,000 PSI Concrete Coping	554.72
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-13.57
	<i>For 2,500 PSI Concrete, Deduct</i>	-6.79
	<i>For 3,500 PSI Concrete, Add</i>	12.57
	<i>For 3,750 PSI Concrete, Add</i>	17.09
	<i>For 4,000 PSI Concrete, Add</i>	21.61
	<i>For 4,500 PSI Concrete, Add</i>	25.13
	<i>For 5,000 PSI Concrete, Add</i>	28.65
	<i>For 6,000 PSI Concrete, Add</i>	67.86
	<i>For White Cement Concrete, Add</i>	30.16
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	32.67
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	25.13
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	87.97
	<i>For Up To 20, Add</i>	121.36
	<i>For >20 To 50, Add</i>	45.51
	<i>For >100 To 200, Deduct</i>	-11.09
	<i>For >200 To 400, Deduct</i>	-22.19
	<i>For >400, Deduct</i>	-33.28

03 31 13 00-0079 Concrete Carts (03 31 13 00-0010)

Note: Used to place concrete were necessary.

03 31 13 00-0080	CY 50' Haul, Non-Motorized, Concrete Buggy	23.63
03 31 13 00-0081	CY 150' Haul, Non-Motorized, Concrete Buggy	31.63
03 31 13 00-0082	CY 250' Haul, Non-Motorized, Concrete Buggy	42.19
03 31 13 00-0083	CY 50' Haul, Motorized, Concrete Buggy	10.79
03 31 13 00-0084	CY 150' Haul, Motorized, Concrete Buggy	14.45
03 31 13 00-0085	CY 250' Haul, Motorized, Concrete Buggy	19.27

03 31 13 00-0086 Delivery Fee For Small Concrete Purchases (Short Load) (03 31 13)

03 31 13 00-0087	CY Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY	33.02
	Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	

03 31 13 00-0088 Equipment Pads (03 31 13)

03 31 13 00-0089 Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0088)

Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.

03 31 13 00-0090	SF 4" Equipment Pad With Welded Wire Reinforcement Assembly	19.79
	<i>For >5 To 20 Pads, Deduct</i>	-2.31
	<i>For >20 To 50 Pads, Deduct</i>	-4.23
	<i>For >50 Pads, Deduct</i>	-6.15
03 31 13 00-0091	SF 4" Equipment Pad With Rebar Assembly	24.11
	<i>For >5 To 20 Pads, Deduct</i>	-2.66
	<i>For >20 To 50 Pads, Deduct</i>	-4.88
	<i>For >50 Pads, Deduct</i>	-7.09



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0092 SF 6" Equipment Pad With Rebar Assembly.....	30.60	
For >5 To 20 Pads, Deduct	-3.34	
For >20 To 50 Pads, Deduct	-6.13	
For >50 Pads, Deduct	-8.91	
03 31 13 00-0093 SF 8" Equipment Pad With Rebar Assembly.....	38.57	
For >5 To 20 Pads, Deduct	-4.25	
For >20 To 50 Pads, Deduct	-7.79	
For >50 Pads, Deduct	-11.32	
03 31 13 00-0094 Delivery Fee For Concrete, Per Truck Load (03 31 13)		
03 31 13 00-0095 EA Concrete Delivery Fee, Per Truck.....	40.00	
Note: To be added to all concrete leaving concrete yard		
03 31 16 Lightweight Structural Concrete (03 31)		
03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)		
03 31 16 00-0002 CY Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range.....	295.50	
03 35 Concrete Finishing (03 30)		
03 35 13 High-Tolerance Concrete Floor Finishing (03 35)		
03 35 13 00-0001 Floor Finishes (03 35 13)		
Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002 SF Scream, Concrete Floor Finish.....	1.01	
For Up To 100, Add	2.02	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 13 00-0003 SF Darby, Concrete Floor Finish.....	1.21	
For Up To 100, Add	2.42	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.30	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.12	
03 35 13 00-0004 SF Broom, Concrete Floor Finish.....	1.33	
For Up To 100, Add	2.66	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000, Deduct	-0.13	
03 35 13 00-0005 SF Final Float, Concrete Floor Finish.....	1.56	
For Up To 100, Add	3.12	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.39	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000, Deduct	-0.16	
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish.....	1.75	
For Up To 100, Add	3.50	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.44	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000, Deduct	-0.18	
03 35 13 00-0007 SF Concrete Floor Finishes, Machine.....	1.56	
For Up To 100, Add	3.12	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.39	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000, Deduct	-0.16	
03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)		
03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	1.36	
03 35 16 00-0003 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	2.17	
03 35 16 00-0004 SF 0.3 LB/SF, Non-Metallic, Shake On Floor Hardener.....	1.27	
03 35 16 00-0005 SF 0.65 LB/SF, Non-Metallic, Shake On Floor Hardener.....	1.61	
03 35 19 Colored Concrete Finishing (03 35)		
03 35 19 00-0001 Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002 SF Acrylic Latex Bonding Agent.....	0.52	
03 35 19 00-0003 SF Epoxy Resin Bonding Agent.....	3.18	
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproof.....	0.38	
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproof.....	0.40	
03 35 23 Exposed Aggregate Concrete Finishing (03 35)		

03	03 Concrete
	03 30 Cast-In-Place Concrete
	03 35 Concrete Finishing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 23 00-0001 Exposed Aggregate, Concrete Finish <small>(03 35 23)</small>		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish	3.28	
03 35 26 Grooved Concrete Surface Finishing <small>(03 35)</small>		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing <small>(03 35 26)</small>		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing	4.63	
03 35 29 Tooled Concrete Finishing <small>(03 35)</small>		
03 35 29 00-0001 Solid Board Concrete Finish <small>(03 35 29)</small>		
03 35 29 00-0002 SF Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	18.19	
03 35 29 00-0003 Marblecrete Finishes <small>(03 35 29)</small>		
03 35 29 00-0004 SF 2" Thick Marblecrete And Finish	54.40	
03 35 29 00-0005 SF 4" Thick Marblecrete And Finish	72.83	
03 35 33 Stamped Concrete Finishing <small>(03 35)</small>		
03 35 33 00-0001 Stamped Concrete Finishes <small>(03 35 33)</small>		
03 35 33 00-0002 SF Up To 2,500 SF Stamped Concrete Finish	4.06	
03 35 33 00-0003 SF >2,500 To 10,000 SF Stamped Concrete Finish	3.68	
03 35 33 00-0004 SF >10,000 SF Stamped Concrete Finish	3.52	
03 35 43 Polished Concrete Finishing <small>(03 35)</small>		
03 35 43 00-0001 Concrete Floor Polishing System <small>(03 35 43)</small>		
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002 SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	1.91	
For Up To 500, Add	3.63	
For >500 To 1,000, Add	3.37	
For >1,000 To 2,500, Add	2.23	
For >2,500 To 4,000, Add	1.16	
For >8,000 To 15,000, Deduct	-0.45	
For >15,000 To 25,000, Deduct	-0.57	
For >25,000, Deduct	-0.80	
03 35 43 00-0003 SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.54	
For Up To 500, Add	2.91	
For >500 To 1,000, Add	2.70	
For >1,000 To 2,500, Add	1.79	
For >2,500 To 4,000, Add	0.93	
For >8,000 To 15,000, Deduct	-0.36	
For >15,000 To 25,000, Deduct	-0.46	
For >25,000, Deduct	-0.65	
03 35 43 00-0004 SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.28	
For Up To 500, Add	2.41	
For >500 To 1,000, Add	2.23	
For >1,000 To 2,500, Add	1.48	
For >2,500 To 4,000, Add	0.77	
For >8,000 To 15,000, Deduct	-0.30	
For >15,000 To 25,000, Deduct	-0.38	
For >25,000, Deduct	-0.53	
03 35 43 00-0005 SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.20	
For Up To 500, Add	2.25	
For >500 To 1,000, Add	2.09	
For >1,000 To 2,500, Add	1.38	
For >2,500 To 4,000, Add	0.72	
For >8,000 To 15,000, Deduct	-0.28	
For >15,000 To 25,000, Deduct	-0.35	
For >25,000, Deduct	-0.50	
03 35 43 00-0006 SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.10	
For Up To 500, Add	2.06	
For >500 To 1,000, Add	1.91	
For >1,000 To 2,500, Add	1.26	
For >2,500 To 4,000, Add	0.66	
For >8,000 To 15,000, Deduct	-0.25	
For >15,000 To 25,000, Deduct	-0.32	
For >25,000, Deduct	-0.46	
03 35 43 00-0007 SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.10	
For Up To 500, Add	2.06	
For >500 To 1,000, Add	1.91	
For >1,000 To 2,500, Add	1.26	
For >2,500 To 4,000, Add	0.66	
For >8,000 To 15,000, Deduct	-0.25	
For >15,000 To 25,000, Deduct	-0.32	
For >25,000, Deduct	-0.46	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0008 SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.10	
For Up To 500, Add	2.06	
For >500 To 1,000, Add	1.91	
For >1,000 To 2,500, Add	1.26	
For >2,500 To 4,000, Add	0.66	
For >8,000 To 15,000, Deduct	-0.25	
For >15,000 To 25,000, Deduct	-0.32	
For >25,000, Deduct	-0.46	
03 35 43 00-0009 SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.10	
For Up To 500, Add	2.06	
For >500 To 1,000, Add	1.91	
For >1,000 To 2,500, Add	1.26	
For >2,500 To 4,000, Add	0.66	
For >8,000 To 15,000, Deduct	-0.25	
For >15,000 To 25,000, Deduct	-0.32	
For >25,000, Deduct	-0.46	
03 35 43 00-0010 SF High Speed Burnish Concrete Floor With Diamond Pads.....	0.27	
For Up To 500, Add	0.45	
For >500 To 1,000, Add	0.41	
For >1,000 To 2,500, Add	0.27	
For >2,500 To 4,000, Add	0.14	
For >8,000 To 15,000, Deduct	-0.06	
For >15,000 To 25,000, Deduct	-0.07	
For >25,000, Deduct	-0.10	
03 35 43 00-0011 SF Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.52	
For Up To 500, Add	0.56	
For >500 To 1,000, Add	0.52	
For >1,000 To 2,500, Add	0.35	
For >2,500 To 4,000, Add	0.18	
For >8,000 To 15,000, Deduct	-0.07	
For >15,000 To 25,000, Deduct	-0.09	
For >25,000, Deduct	-0.12	
03 35 43 00-0012 SF Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing.....	0.88	
For Up To 500, Add	0.81	
For >500 To 1,000, Add	0.76	
For >1,000 To 2,500, Add	0.50	
For >2,500 To 4,000, Add	0.26	
For >8,000 To 15,000, Deduct	-0.10	
For >15,000 To 25,000, Deduct	-0.13	
For >25,000, Deduct	-0.18	
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up.....	0.15	
For Up To 500, Add	0.29	
For >500 To 1,000, Add	0.27	
For >1,000 To 2,500, Add	0.18	
For >2,500 To 4,000, Add	0.09	
For >8,000 To 15,000, Deduct	-0.04	
For >15,000 To 25,000, Deduct	-0.05	
For >25,000, Deduct	-0.06	
03 35 63 Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.61	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.24	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.31	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.24	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 66 Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001 Acid Etch Floor (03 35 66)		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse	1.20	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.05	
03 35 83 Concrete Wall Finishing (03 35)		
03 35 83 00-0001 Wall Finishes (03 35 83)		

03	Concrete
03 30	Cast-In-Place Concrete
03 35	Concrete Finishing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0002	SF		Burlap Rub With Grout, New Concrete Wall Finishes	1.82	
			<i>For Up To 100, Add</i>	3.38	
			<i>For >100 To 250, Add</i>	0.85	
			<i>For >250 To 500, Add</i>	0.42	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000, Deduct</i>	-0.17	
03 35 83 00-0003	SF		1/16" Float Finish, New Concrete Wall Finishes	2.73	
			<i>For Up To 100, Add</i>	5.06	
			<i>For >100 To 250, Add</i>	1.27	
			<i>For >250 To 500, Add</i>	0.63	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000, Deduct</i>	-0.25	
03 35 83 00-0004	SF		Etch With Acid And Rinse, New Concrete Wall Finishes	1.30	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000, Deduct</i>	-0.06	
03 35 83 00-0005	SF		Bush Hammer Green Concrete, New Concrete Wall Finishes	5.43	
			<i>For Up To 100, Add</i>	10.72	
			<i>For >100 To 250, Add</i>	2.68	
			<i>For >250 To 500, Add</i>	1.34	
			<i>For >5,000 To 10,000, Deduct</i>	-0.27	
			<i>For >10,000, Deduct</i>	-0.54	
03 35 83 00-0006	SF		Bush Hammer Cured Concrete, New Concrete Wall Finishes	8.41	
			<i>For Up To 100, Add</i>	16.56	
			<i>For >100 To 250, Add</i>	4.14	
			<i>For >250 To 500, Add</i>	2.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.41	
			<i>For >10,000, Deduct</i>	-0.83	
03 35 83 00-0007	SF		Break Ties And Patch, New Concrete Wall Finishes	1.08	
			<i>For Up To 100, Add</i>	1.82	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.23	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000, Deduct</i>	-0.09	
03 35 83 00-0008	SF		Carborundum Dry Rub, New Concrete Wall Finishes	3.54	
			<i>For Up To 100, Add</i>	6.74	
			<i>For >100 To 250, Add</i>	1.69	
			<i>For >250 To 500, Add</i>	0.84	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000, Deduct</i>	-0.34	
03 35 83 00-0009	SF		Carborundum Wet Rub, New Concrete Wall Finishes	5.38	
			<i>For Up To 100, Add</i>	10.42	
			<i>For >100 To 250, Add</i>	2.61	
			<i>For >250 To 500, Add</i>	1.30	
			<i>For >5,000 To 10,000, Deduct</i>	-0.26	
			<i>For >10,000, Deduct</i>	-0.52	
03 35 83 00-0010	SF		Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes	5.42	
			Note: 4.5 Lbs of sand or abrasive media material per SF		
			<i>For Up To 100, Add</i>	8.64	
			<i>For >100 To 250, Add</i>	2.16	
			<i>For >250 To 500, Add</i>	1.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.22	
			<i>For >10,000, Deduct</i>	-0.43	
03 35 83 00-0011	SF		>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes	10.83	
			Note: 9 Lbs of sand abrasive media material per SF		
			<i>For Up To 100, Add</i>	17.28	
			<i>For >100 To 250, Add</i>	4.32	
			<i>For >250 To 500, Add</i>	2.16	
			<i>For >5,000 To 10,000, Deduct</i>	-0.43	
			<i>For >10,000, Deduct</i>	-0.86	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002	SF		1" Thick Shotcrete, Fiber Reinforced	3.44	
			<i>For Up To 25, Add</i>	0.64	
			<i>For >25 To 50, Add</i>	0.37	
			<i>For >50 To 150, Add</i>	0.15	
03 37 13 00-0003	SF		2" Thick Shotcrete, Fiber Reinforced	6.49	
			<i>For Up To 25, Add</i>	1.19	
			<i>For >25 To 50, Add</i>	0.68	
			<i>For >50 To 150, Add</i>	0.27	
03 37 13 00-0004	SF		3" Thick Shotcrete, Fiber Reinforced	9.19	
			<i>For Up To 25, Add</i>	1.65	
			<i>For >25 To 50, Add</i>	0.94	
			<i>For >50 To 150, Add</i>	0.36	
03 37 13 00-0005	SF		4" Thick Shotcrete, Fiber Reinforced	11.60	
			<i>For Up To 25, Add</i>	2.03	
			<i>For >25 To 50, Add</i>	1.16	
			<i>For >50 To 150, Add</i>	0.44	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	15.74	
For Up To 25, Add	2.63	
For >25 To 50, Add	1.49	
For >50 To 150, Add	0.53	
03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed ^(03 37 13)		
See CSI section 03 22 11 00-0001 for wire mesh reinforcing.		
03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed	3.74	
For Radius Or Irregular Surface, Add	1.10	
For Up To 25, Add	0.79	
For >25 To 50, Add	0.46	
For >50 To 150, Add	0.21	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed	6.91	
For Radius Or Irregular Surface, Add	1.98	
For Up To 25, Add	1.43	
For >25 To 50, Add	0.84	
For >50 To 150, Add	0.37	
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed	9.62	
For Radius Or Irregular Surface, Add	2.67	
For Up To 25, Add	1.96	
For >25 To 50, Add	1.15	
For >50 To 150, Add	0.50	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed	11.94	
For Radius Or Irregular Surface, Add	3.20	
For Up To 25, Add	2.39	
For >25 To 50, Add	1.40	
For >50 To 150, Add	0.60	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed	13.92	
For Radius Or Irregular Surface, Add	3.60	
For Up To 25, Add	2.74	
For >25 To 50, Add	1.60	
For >50 To 150, Add	0.68	
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.63	
For Radius Or Irregular Surface, Add	3.89	
For Up To 25, Add	3.02	
For >25 To 50, Add	1.75	
For >50 To 150, Add	0.73	
03 37 13 00-0014 SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed	19.53	
For Radius Or Irregular Surface, Add	4.66	
For Up To 25, Add	3.70	
For >25 To 50, Add	2.14	
For >50 To 150, Add	0.87	
03 37 13 00-0015 SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed	22.96	
For Radius Or Irregular Surface, Add	5.25	
For Up To 25, Add	4.26	
For >25 To 50, Add	2.46	
For >50 To 150, Add	0.98	
03 37 13 00-0016 SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed	25.98	
For Radius Or Irregular Surface, Add	5.67	
For Up To 25, Add	4.72	
For >25 To 50, Add	2.72	
For >50 To 150, Add	1.06	

03 37 16 Pumped Concrete ^(03 37)

03 37 16 00-0001 Concrete Pumping With Boom Truck ^(03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002 HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	246.46
03 37 16 00-0003 HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	268.22
03 37 16 00-0004 HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	346.81
03 37 16 00-0005 HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	395.73
03 37 16 00-0006 HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	446.22
03 37 16 00-0007 HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	553.15
03 37 16 00-0008 HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	616.94
03 37 16 00-0009 HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	771.45
03 37 16 00-0010 HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump	167.62
Note: Includes hoses	

03 39 Concrete Curing ^(03 39)

03 39 13 Water Concrete Curing ^(03 39)

03 39 13 00-0001 Water Concrete Curing ^(03 39 13)

03 39 13 00-0002 SF Water Based Curing, Sealing, Hardening And Dustproofing Compound	0.35
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	

03	03 Concrete
	03 30 Cast-In-Place Concrete
	03 39 Concrete Curing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001 Warm Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0002	CSF Warm Weather Concrete Curing Blankets	37.35
------------------	---	-------

03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF Electric, Cold Weather Concrete Curing Blanket	305.03
03 39 23 23-0005	CSF Non-Electric, Cold Weather Concrete Curing Blanket	36.86

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane.....	366.30	293.06
03 41 16 00-0004	EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	407.19	325.69
03 41 16 00-0005	EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	432.38	345.88
03 41 16 00-0006	EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane.....	458.37	366.72
03 41 16 00-0007	EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	490.53	392.41
03 41 16 00-0008	EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	524.25	419.41
03 41 16 00-0009	EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	562.96	450.34
03 41 16 00-0010	EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	612.27	489.79
03 41 16 00-0011	EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane.....	665.72	532.65

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	31.32
	<i>For 3,500 PSI Concrete, Add</i>	0.63
	<i>For 4,000 PSI Concrete, Add</i>	0.94
	<i>For 4,500 PSI Concrete, Add</i>	1.25
	<i>For 5,000 PSI Concrete, Add</i>	1.88
03 41 16 00-0014	SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	37.59
	<i>For 3,500 PSI Concrete, Add</i>	0.75
	<i>For 4,000 PSI Concrete, Add</i>	1.13
	<i>For 4,500 PSI Concrete, Add</i>	1.50
	<i>For 5,000 PSI Concrete, Add</i>	2.26
03 41 16 00-0015	SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	45.94
	<i>For 3,500 PSI Concrete, Add</i>	0.92
	<i>For 4,000 PSI Concrete, Add</i>	1.38
	<i>For 4,500 PSI Concrete, Add</i>	1.84
	<i>For 5,000 PSI Concrete, Add</i>	2.76
03 41 16 00-0016	SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	60.98
	<i>For 3,500 PSI Concrete, Add</i>	1.22
	<i>For 4,000 PSI Concrete, Add</i>	1.83
	<i>For 4,500 PSI Concrete, Add</i>	2.44
	<i>For 5,000 PSI Concrete, Add</i>	3.66

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	450.98	360.77
03 41 16 00-0020	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	491.54	393.28
03 41 16 00-0021	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	543.27	434.57
03 41 16 00-0022	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	603.25	482.56
03 41 16 00-0023	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	678.11	542.44

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	571.44	457.17
03 41 16 00-0026	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	622.84	498.23
03 41 16 00-0027	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	688.39	550.76
03 41 16 00-0028	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	764.38	611.53
03 41 16 00-0029	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	859.24	687.45
03 41 16 00-0030	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	934.25	747.34



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,032.59	826.07
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,142.86	914.36
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,293.58	1,034.86
03 41 16 00-0034 Material Cost <small>(03 41 16 00-0017)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035 4" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,299.46	
For 3,500 PSI Concrete, Add	65.99	
For 4,000 PSI Concrete, Add	98.98	
For 4,500 PSI Concrete, Add	131.98	
For 5,000 PSI Concrete, Add	197.97	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,341.22	
For 3,500 PSI Concrete, Add	66.82	
For 4,000 PSI Concrete, Add	100.24	
For 4,500 PSI Concrete, Add	133.65	
For 5,000 PSI Concrete, Add	200.47	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,758.87	
For 3,500 PSI Concrete, Add	75.18	
For 4,000 PSI Concrete, Add	112.77	
For 4,500 PSI Concrete, Add	150.35	
For 5,000 PSI Concrete, Add	225.53	
03 41 16 00-0039 5" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,382.99	
For 3,500 PSI Concrete, Add	67.66	
For 4,000 PSI Concrete, Add	101.49	
For 4,500 PSI Concrete, Add	135.32	
For 5,000 PSI Concrete, Add	202.98	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,508.28	
For 3,500 PSI Concrete, Add	70.17	
For 4,000 PSI Concrete, Add	105.25	
For 4,500 PSI Concrete, Add	140.33	
For 5,000 PSI Concrete, Add	210.50	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,468.88	
For 3,500 PSI Concrete, Add	89.38	
For 4,000 PSI Concrete, Add	134.07	
For 4,500 PSI Concrete, Add	178.76	
For 5,000 PSI Concrete, Add	268.13	
03 41 16 00-0043 6" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,508.28	
For 3,500 PSI Concrete, Add	70.17	
For 4,000 PSI Concrete, Add	105.25	
For 4,500 PSI Concrete, Add	140.33	
For 5,000 PSI Concrete, Add	210.50	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	4,176.53	
For 3,500 PSI Concrete, Add	83.53	
For 4,000 PSI Concrete, Add	125.30	
For 4,500 PSI Concrete, Add	167.06	
For 5,000 PSI Concrete, Add	250.59	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	5,095.36	
For 3,500 PSI Concrete, Add	101.91	
For 4,000 PSI Concrete, Add	152.86	
For 4,500 PSI Concrete, Add	203.81	
For 5,000 PSI Concrete, Add	305.72	
03 41 19 Precast Concrete Wall Panels <small>(03 41)</small>		
03 41 19 00-0001 Structural Wall Panels <small>(03 41 19)</small>		
Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003 EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	363.83	291.09
03 41 19 00-0004 EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	404.46	323.50
03 41 19 00-0005 EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	455.29	364.25
03 41 19 00-0006 EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	487.23	389.77
03 41 19 00-0007 EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	520.73	416.59
03 41 19 00-0008 EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	559.17	447.31
03 41 19 00-0009 EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	608.16	486.49
03 41 19 00-0010 EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	661.24	529.06
03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane <small>(03 41 19 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012 EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	405.68	324.51

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0013 EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	450.98	360.77
03 41 19 00-0014 EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	507.65	406.18
03 41 19 00-0015 EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	543.27	434.57
03 41 19 00-0016 EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	580.62	464.50
03 41 19 00-0017 EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	623.49	498.82
03 41 19 00-0018 EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	678.11	542.44
03 41 19 00-0019 EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	737.30	589.79
03 41 19 00-0020 EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	814.91	651.98
03 41 19 00-0021 EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	901.94	721.52
03 41 19 00-0022 EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,020.89	816.75
03 41 19 00-0023 EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,161.26	929.00
03 41 19 00-0024 EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,346.38	1,077.12

03 41 19 00-0025 Material Cost (03 41 19 00-0001)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026 SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	41.76	
<i>For 3,500 PSI Concrete, Add</i>	0.84	
<i>For 4,000 PSI Concrete, Add</i>	1.25	
<i>For 4,500 PSI Concrete, Add</i>	1.67	
<i>For 5,000 PSI Concrete, Add</i>	2.51	
<i>For White Facing, Add</i>	8.35	
<i>For Solid White Through Thickness, Add</i>	8.35	
<i>For Broken Rib Finish, Add</i>	4.18	
<i>For Fluted Surface, Add</i>	4.18	
<i>For Exposed Aggregate, Add</i>	8.35	
<i>For Sandblasting Of Surface, Add</i>	4.18	
<i>For 2" Polystyrene Insulation, Add</i>	2.15	
03 41 19 00-0027 SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	51.37	
<i>For 3,500 PSI Concrete, Add</i>	1.03	
<i>For 4,000 PSI Concrete, Add</i>	1.54	
<i>For 4,500 PSI Concrete, Add</i>	2.05	
<i>For 5,000 PSI Concrete, Add</i>	3.08	
<i>For White Facing, Add</i>	10.27	
<i>For Solid White Through Thickness, Add</i>	10.27	
<i>For Broken Rib Finish, Add</i>	5.14	
<i>For Fluted Surface, Add</i>	5.14	
<i>For Exposed Aggregate, Add</i>	10.27	
<i>For Sandblasting Of Surface, Add</i>	5.14	
<i>For 2" Polystyrene Insulation, Add</i>	2.15	
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	61.81	
<i>For 3,500 PSI Concrete, Add</i>	1.24	
<i>For 4,000 PSI Concrete, Add</i>	1.85	
<i>For 4,500 PSI Concrete, Add</i>	2.47	
<i>For 5,000 PSI Concrete, Add</i>	3.71	
<i>For White Facing, Add</i>	12.36	
<i>For Solid White Through Thickness, Add</i>	12.36	
<i>For Broken Rib Finish, Add</i>	6.18	
<i>For Fluted Surface, Add</i>	6.18	
<i>For Exposed Aggregate, Add</i>	12.36	
<i>For Sandblasting Of Surface, Add</i>	6.18	
<i>For 2" Polystyrene Insulation, Add</i>	2.15	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	81.44	
<i>For 3,500 PSI Concrete, Add</i>	1.63	
<i>For 4,000 PSI Concrete, Add</i>	2.44	
<i>For 4,500 PSI Concrete, Add</i>	3.26	
<i>For 5,000 PSI Concrete, Add</i>	4.89	
<i>For White Facing, Add</i>	16.29	
<i>For Solid White Through Thickness, Add</i>	16.29	
<i>For Broken Rib Finish, Add</i>	8.14	
<i>For Fluted Surface, Add</i>	8.14	
<i>For Exposed Aggregate, Add</i>	16.29	
<i>For Sandblasting Of Surface, Add</i>	8.14	
<i>For 2" Polystyrene Insulation, Add</i>	2.15	

03 41 19 00-0030 Partition Panels (03 41 19)**03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane** (03 41 19 00-0030)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	291.50	233.16
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	324.05	259.26
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	364.77	291.81
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	417.21	333.77
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	448.01	358.45
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	487.26	389.80
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	529.79	423.89
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	585.56	468.47

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	363.83	291.09
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	404.46	323.50
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	455.29	364.25
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	520.73	416.59
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	559.17	447.31
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	608.16	486.49
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	661.24	529.06
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	730.85	584.65
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	808.90	647.14
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	915.57	732.41
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	1,041.46	833.17
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,207.49	965.95

03 41 19 00-0053 Material Cost (03 41 19 00-0030)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	39.68	
<i>For 4,000 PSI Concrete, Add</i>	1.19	
<i>For 4,500 PSI Concrete, Add</i>	1.59	
<i>For 5,000 PSI Concrete, Add</i>	2.38	
<i>For White Facing, Add</i>	7.94	
<i>For Solid White Through Thickness, Add</i>	7.94	
<i>For Broken Rib Finish, Add</i>	3.97	
<i>For Fluted Surface, Add</i>	3.97	
<i>For Exposed Aggregate, Add</i>	7.94	
<i>For Sandblasting Of Surface, Add</i>	3.97	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	48.86	
<i>For 4,000 PSI Concrete, Add</i>	1.47	
<i>For 4,500 PSI Concrete, Add</i>	1.95	
<i>For 5,000 PSI Concrete, Add</i>	2.93	
<i>For White Facing, Add</i>	9.77	
<i>For Solid White Through Thickness, Add</i>	9.77	
<i>For Broken Rib Finish, Add</i>	4.89	
<i>For Fluted Surface, Add</i>	4.89	
<i>For Exposed Aggregate, Add</i>	9.77	
<i>For Sandblasting Of Surface, Add</i>	4.89	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	58.47	
<i>For 4,000 PSI Concrete, Add</i>	1.75	
<i>For 4,500 PSI Concrete, Add</i>	2.34	
<i>For 5,000 PSI Concrete, Add</i>	3.51	
<i>For White Facing, Add</i>	11.69	
<i>For Solid White Through Thickness, Add</i>	11.69	
<i>For Broken Rib Finish, Add</i>	5.85	
<i>For Fluted Surface, Add</i>	5.85	
<i>For Exposed Aggregate, Add</i>	11.69	
<i>For Sandblasting Of Surface, Add</i>	5.85	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	77.27	
<i>For 4,000 PSI Concrete, Add</i>	2.32	
<i>For 4,500 PSI Concrete, Add</i>	3.09	
<i>For 5,000 PSI Concrete, Add</i>	4.64	
<i>For White Facing, Add</i>	15.45	
<i>For Solid White Through Thickness, Add</i>	15.45	
<i>For Broken Rib Finish, Add</i>	7.73	
<i>For Fluted Surface, Add</i>	7.73	
<i>For Exposed Aggregate, Add</i>	15.45	
<i>For Sandblasting Of Surface, Add</i>	7.73	

03 41 19 00-0058 Cladding Panels (03 41 19)

03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	383.95	307.10
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	429.47	343.55
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	487.23	389.77
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	520.73	416.59
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	559.17	447.31
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	608.16	486.49
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	661.24	529.06
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	730.85	584.65

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	428.11	342.44
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	478.86	383.09
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	543.27	434.57
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	580.62	464.50
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	623.49	498.82
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	678.11	542.44
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	737.30	589.79

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0076	EA		Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	814.91	651.98
03 41 19 00-0077	EA		Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	901.94	721.52
03 41 19 00-0078	EA		Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	1,020.89	816.75
03 41 19 00-0079	EA		Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,161.26	929.00
03 41 19 00-0080	EA		Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,346.38	1,077.12
03 41 19 00-0081			Material Cost <small>(03 41 19 00-0058)</small>		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082	SF		4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	39.68	
			<i>For 3,500 PSI Concrete, Add</i>	0.79	
			<i>For 4,000 PSI Concrete, Add</i>	1.19	
			<i>For 4,500 PSI Concrete, Add</i>	1.59	
			<i>For 5,000 PSI Concrete, Add</i>	2.38	
			<i>For White Facing, Add</i>	7.94	
			<i>For Solid White Through Thickness, Add</i>	7.94	
			<i>For Broken Rib Finish, Add</i>	3.97	
			<i>For Fluted Surface, Add</i>	3.97	
			<i>For Exposed Aggregate, Add</i>	7.94	
			<i>For Sandblasting Of Surface, Add</i>	3.97	
03 41 19 00-0083	SF		5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	48.86	
			<i>For 3,500 PSI Concrete, Add</i>	0.98	
			<i>For 4,000 PSI Concrete, Add</i>	1.47	
			<i>For 4,500 PSI Concrete, Add</i>	1.95	
			<i>For 5,000 PSI Concrete, Add</i>	2.93	
			<i>For White Facing, Add</i>	9.77	
			<i>For Solid White Through Thickness, Add</i>	9.77	
			<i>For Broken Rib Finish, Add</i>	4.89	
			<i>For Fluted Surface, Add</i>	4.89	
			<i>For Exposed Aggregate, Add</i>	9.77	
			<i>For Sandblasting Of Surface, Add</i>	4.89	
03 41 19 00-0084	SF		6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	58.47	
			<i>For 3,500 PSI Concrete, Add</i>	1.17	
			<i>For 4,000 PSI Concrete, Add</i>	1.75	
			<i>For 4,500 PSI Concrete, Add</i>	2.34	
			<i>For 5,000 PSI Concrete, Add</i>	3.51	
			<i>For White Facing, Add</i>	11.69	
			<i>For Solid White Through Thickness, Add</i>	11.69	
			<i>For Broken Rib Finish, Add</i>	5.85	
			<i>For Fluted Surface, Add</i>	5.85	
			<i>For Exposed Aggregate, Add</i>	11.69	
			<i>For Sandblasting Of Surface, Add</i>	5.85	
03 41 19 00-0085	SF		8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	77.27	
			<i>For 3,500 PSI Concrete, Add</i>	1.55	
			<i>For 4,000 PSI Concrete, Add</i>	2.32	
			<i>For 4,500 PSI Concrete, Add</i>	3.09	
			<i>For 5,000 PSI Concrete, Add</i>	4.64	
			<i>For White Facing, Add</i>	15.45	
			<i>For Solid White Through Thickness, Add</i>	15.45	
			<i>For Broken Rib Finish, Add</i>	7.73	
			<i>For Fluted Surface, Add</i>	7.73	
			<i>For Exposed Aggregate, Add</i>	15.45	
			<i>For Sandblasting Of Surface, Add</i>	7.73	
03 41 19 00-0086			Sandwich Panel <small>(03 41 19)</small>		
03 41 19 00-0087			Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0086)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	383.95	307.10
03 41 19 00-0089	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	429.47	343.55
03 41 19 00-0090	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	487.23	389.77
03 41 19 00-0091	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	520.73	416.59
03 41 19 00-0092	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	559.17	447.31
03 41 19 00-0093	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	608.16	486.49
03 41 19 00-0094	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	661.24	529.06
03 41 19 00-0095	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	730.85	584.65
03 41 19 00-0096			Erection Costs Using 90 Ton Crawler Crane <small>(03 41 19 00-0086)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	386.55	309.18
03 41 19 00-0098	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	432.38	345.88
03 41 19 00-0099	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	490.53	392.41
03 41 19 00-0100	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	524.25	419.41
03 41 19 00-0101	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	562.96	450.34
03 41 19 00-0102	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	612.27	489.79
03 41 19 00-0103	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	665.72	532.65
03 41 19 00-0104	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	735.80	588.61
03 41 19 00-0105	EA		Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	814.38	651.53
03 41 19 00-0106	EA		Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	921.77	737.37
03 41 19 00-0107	EA		Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,048.52	838.81



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,215.67	972.50
------------------	----	---	----------	--------

03 41 19 00-0109 Material Cost (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	54.29	
		<i>For 3,500 PSI Concrete, Add</i>	1.09	
		<i>For 4,000 PSI Concrete, Add</i>	1.63	
		<i>For 4,500 PSI Concrete, Add</i>	2.17	
		<i>For 5,000 PSI Concrete, Add</i>	3.26	
		<i>For White Facing, Add</i>	10.86	
		<i>For Solid White Through Thickness, Add</i>	10.86	
		<i>For Broken Rib Finish, Add</i>	5.43	
		<i>For Fluted Surface, Add</i>	5.43	
		<i>For Exposed Aggregate, Add</i>	10.86	
		<i>For Sandblasting Of Surface, Add</i>	5.43	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	63.90	
		<i>For 3,500 PSI Concrete, Add</i>	1.28	
		<i>For 4,000 PSI Concrete, Add</i>	1.92	
		<i>For 4,500 PSI Concrete, Add</i>	2.56	
		<i>For 5,000 PSI Concrete, Add</i>	3.83	
		<i>For White Facing, Add</i>	12.78	
		<i>For Solid White Through Thickness, Add</i>	12.78	
		<i>For Broken Rib Finish, Add</i>	6.39	
		<i>For Fluted Surface, Add</i>	6.39	
		<i>For Exposed Aggregate, Add</i>	12.78	
		<i>For Sandblasting Of Surface, Add</i>	6.39	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	74.34	
		<i>For 3,500 PSI Concrete, Add</i>	1.49	
		<i>For 4,000 PSI Concrete, Add</i>	2.23	
		<i>For 4,500 PSI Concrete, Add</i>	2.97	
		<i>For 5,000 PSI Concrete, Add</i>	4.46	
		<i>For White Facing, Add</i>	14.87	
		<i>For Solid White Through Thickness, Add</i>	14.87	
		<i>For Broken Rib Finish, Add</i>	7.43	
		<i>For Fluted Surface, Add</i>	7.43	
		<i>For Exposed Aggregate, Add</i>	14.87	
		<i>For Sandblasting Of Surface, Add</i>	7.43	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	93.97	
		<i>For 3,500 PSI Concrete, Add</i>	1.88	
		<i>For 4,000 PSI Concrete, Add</i>	2.82	
		<i>For 4,500 PSI Concrete, Add</i>	3.76	
		<i>For 5,000 PSI Concrete, Add</i>	5.64	
		<i>For White Facing, Add</i>	18.79	
		<i>For Solid White Through Thickness, Add</i>	18.79	
		<i>For Broken Rib Finish, Add</i>	9.40	
		<i>For Fluted Surface, Add</i>	9.40	
		<i>For Exposed Aggregate, Add</i>	18.79	
		<i>For Sandblasting Of Surface, Add</i>	9.40	

03 41 23 Precast Concrete Stairs (03 41)

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	404.46	323.50
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	429.47	343.55
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	455.29	364.25
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	487.23	389.77
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	520.73	416.59
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	559.17	447.31
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	608.16	486.49
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	661.24	529.06

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	404.46	323.50
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	429.47	343.55
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	455.29	364.25
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	487.23	389.77
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	520.73	416.59
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	559.17	447.31
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	608.16	486.49
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	661.24	529.06

03 41 23 00-0019 Material Cost (03 41 23)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0020 EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	837.02	
For 3,500 PSI Concrete, Add	109.23	
For 4,000 PSI Concrete, Add	205.24	
For 4,500 PSI Concrete, Add	301.66	
For 5,000 PSI Concrete, Add	410.39	
03 41 26 Precast Concrete Structural Sections (03 41)		
03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)		
03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	507.65	406.18
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	543.27	434.57
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	580.62	464.50
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	623.49	498.82
03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	643.25	514.56
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	688.39	550.76
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	735.72	588.58
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	790.03	631.98
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	859.24	687.45
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	934.25	747.34
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,032.59	826.07
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,142.86	914.36
03 41 26 00-0016 Material Cost (03 41 26 00-0001)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017 1,000 LB/LF Live Load (03 41 26 00-0016)		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	167.38	
For 3,500 PSI Concrete, Add	4.57	
For 4,000 PSI Concrete, Add	6.86	
For 4,500 PSI Concrete, Add	9.14	
For 5,000 PSI Concrete, Add	13.73	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	209.22	
For 3,500 PSI Concrete, Add	5.71	
For 4,000 PSI Concrete, Add	8.58	
For 4,500 PSI Concrete, Add	11.42	
For 5,000 PSI Concrete, Add	17.16	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	251.07	
For 3,500 PSI Concrete, Add	6.85	
For 4,000 PSI Concrete, Add	10.29	
For 4,500 PSI Concrete, Add	13.71	
For 5,000 PSI Concrete, Add	20.59	
03 41 26 00-0021 3,000 LB/LF Live Load (03 41 26 00-0016)		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	209.22	
For 3,500 PSI Concrete, Add	5.71	
For 4,000 PSI Concrete, Add	8.58	
For 4,500 PSI Concrete, Add	11.42	
For 5,000 PSI Concrete, Add	17.16	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	251.07	
For 3,500 PSI Concrete, Add	6.85	
For 4,000 PSI Concrete, Add	10.29	
For 4,500 PSI Concrete, Add	13.71	
For 5,000 PSI Concrete, Add	20.59	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	334.76	
For 3,500 PSI Concrete, Add	9.14	
For 4,000 PSI Concrete, Add	13.73	
For 4,500 PSI Concrete, Add	18.28	
For 5,000 PSI Concrete, Add	27.45	
03 41 26 00-0025 5,000 LB/LF Live Load (03 41 26 00-0016)		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	292.91	
For 3,500 PSI Concrete, Add	8.00	
For 4,000 PSI Concrete, Add	12.01	
For 4,500 PSI Concrete, Add	15.99	
For 5,000 PSI Concrete, Add	24.02	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	334.76	
For 3,500 PSI Concrete, Add	9.14	
For 4,000 PSI Concrete, Add	13.73	
For 4,500 PSI Concrete, Add	18.28	
For 5,000 PSI Concrete, Add	27.45	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	418.45	
<i>For 3,500 PSI Concrete, Add</i>	11.42	
<i>For 4,000 PSI Concrete, Add</i>	17.16	
<i>For 4,500 PSI Concrete, Add</i>	22.85	
<i>For 5,000 PSI Concrete, Add</i>	34.31	
03 41 26 00-0029 Precast Concrete Columns (03 41 26)		
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	293.29	234.61
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	311.82	249.41
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	334.19	267.38
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	358.46	286.77
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	386.55	309.18
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	419.41	335.53
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	458.37	366.72
03 41 26 00-0038 Material Cost (03 41 26 00-0029)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039 12" x 12" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	866.32	
<i>For 3,500 PSI Concrete, Add</i>	64.97	
<i>For 4,000 PSI Concrete, Add</i>	122.15	
<i>For 4,500 PSI Concrete, Add</i>	180.19	
<i>For 5,000 PSI Concrete, Add</i>	245.17	
03 41 26 00-0041 16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	887.72	
<i>For 3,500 PSI Concrete, Add</i>	66.58	
<i>For 4,000 PSI Concrete, Add</i>	125.17	
<i>For 4,500 PSI Concrete, Add</i>	184.65	
<i>For 5,000 PSI Concrete, Add</i>	251.22	
03 41 26 00-0043 20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	889.43	
<i>For 3,500 PSI Concrete, Add</i>	66.71	
<i>For 4,000 PSI Concrete, Add</i>	125.41	
<i>For 4,500 PSI Concrete, Add</i>	185.00	
<i>For 5,000 PSI Concrete, Add</i>	251.71	
03 41 26 00-0045 24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	889.43	
<i>For 3,500 PSI Concrete, Add</i>	66.71	
<i>For 4,000 PSI Concrete, Add</i>	125.41	
<i>For 4,500 PSI Concrete, Add</i>	185.00	
<i>For 5,000 PSI Concrete, Add</i>	251.71	
03 41 26 00-0047 28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	889.43	
<i>For 3,500 PSI Concrete, Add</i>	66.71	
<i>For 4,000 PSI Concrete, Add</i>	125.41	
<i>For 4,500 PSI Concrete, Add</i>	185.00	
<i>For 5,000 PSI Concrete, Add</i>	251.71	
03 41 26 00-0049 32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	887.72	
<i>For 3,500 PSI Concrete, Add</i>	66.58	
<i>For 4,000 PSI Concrete, Add</i>	125.17	
<i>For 4,500 PSI Concrete, Add</i>	184.65	
<i>For 5,000 PSI Concrete, Add</i>	251.22	
03 41 26 00-0051 36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	889.43	
<i>For 3,500 PSI Concrete, Add</i>	66.71	
<i>For 4,000 PSI Concrete, Add</i>	125.41	
<i>For 4,500 PSI Concrete, Add</i>	185.00	
<i>For 5,000 PSI Concrete, Add</i>	251.71	
03 41 33 Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001 Slabs, Roof And Floor Members (03 41 33)		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	17.78	2.37
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	22.14	2.37
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	26.51	2.48
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	30.90	2.61
03 41 33 00-0006 Tee Members (03 41 33)		
03 41 33 00-0007 Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members.....	39.86	3.08
03 41 33 00-0009 Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	56.55	8.41
03 41 33 00-0011 Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	46.92	5.09
03 41 33 00-0013 Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span.....	56.23	4.38
03 41 33 00-0015 Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016 Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	28.81	0.94
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor.....	30.07	0.94
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members, 60' Span.....	47.88	0.83
03 41 33 00-0021 SF Tees, Double Tee, Floor Members, 80' Span.....	65.94	0.83
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span.....	32.72	1.42
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span.....	50.63	0.94
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	35.45	1.89
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span.....	56.71	2.14
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span.....	65.65	1.30
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span.....	86.84	1.18
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span.....	91.44	1.18
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'.....	14,655.36	340.89
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'.....	15,958.19	378.77
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'.....	26,689.21	426.12
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'.....	5,744.33	310.01
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'.....	7,540.76	340.89
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'.....	9,633.29	340.89
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'.....	10,726.87	378.77
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'.....	13,715.52	426.12
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'.....	24,673.06	487.20
03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'.....	11,516.57	340.89
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'.....	15,121.18	378.77
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'.....	24,805.93	426.12
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'.....	7,711.31	310.01
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'.....	8,126.67	340.89
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'.....	9,005.53	340.89
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'.....	9,262.10	378.77
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'.....	12,250.75	426.12
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'.....	21,115.76	487.20
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete.....	30.45	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete.....	31.69	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete.....	33.18	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete.....	34.28	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete.....	36.65	
03 41 33 00-0056 Double And Single Tees (03 41 33)		



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading <small>(03 41 33 00-0056)</small>		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	36.81	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	35.93	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	33.93	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	36.81	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	36.68	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	56.40	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	55.14	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	51.64	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	56.40	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	52.88	
03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading <small>(03 41 33 00-0056)</small>		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	37.94	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	37.06	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	35.82	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	37.94	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	36.68	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	57.90	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	56.64	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	54.65	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	57.90	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	56.27	
03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading <small>(03 41 33 00-0056)</small>		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	40.01	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	38.74	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	37.48	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	61.48	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	59.46	
03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	57.07	
03 48 Precast Concrete Specialties <small>(03 40)</small>		
03 48 16 Precast Concrete Splash Blocks <small>(03 48)</small>		
03 48 16 00-0001 Precast Concrete Splash Blocks <small>(03 48 16)</small>		
03 48 16 00-0002 EA Precast Concrete Splash Blocks, 20" x 12" x 3".....	38.80	3.79
03 48 21 Precast Concrete Handrails <small>(03 48)</small>		
03 48 21 00-0001 Installation Cost <small>(03 48 21)</small>		
Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail.....	165.67	74.58
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail.....	198.69	89.39
03 48 21 00-0004 Material Cost <small>(03 48 21)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,306.31	
For 3,500 PSI Concrete, Add	215.74	
For 4,000 PSI Concrete, Add	405.35	
For 4,500 PSI Concrete, Add	595.80	
For 5,000 PSI Concrete, Add	810.54	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,431.86	
For 3,500 PSI Concrete, Add	223.93	
For 4,000 PSI Concrete, Add	420.75	
For 4,500 PSI Concrete, Add	618.42	
For 5,000 PSI Concrete, Add	841.32	
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,557.42	
For 3,500 PSI Concrete, Add	232.12	
For 4,000 PSI Concrete, Add	436.14	
For 4,500 PSI Concrete, Add	641.05	
For 5,000 PSI Concrete, Add	872.10	
03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,724.83	
For 3,500 PSI Concrete, Add	243.05	
For 4,000 PSI Concrete, Add	456.66	
For 4,500 PSI Concrete, Add	671.21	
For 5,000 PSI Concrete, Add	913.14	
03 48 22 Precast Concrete Sun Screen and Trellis <small>(03 48)</small>		
03 48 22 00-0001 Sun Screen Blades <small>(03 48 22)</small>		
03 48 22 00-0002 Installation Cost <small>(03 48 22 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each.....	82.83	37.30

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0004	EA		Install Precast Sun Screen Blade, 1-2 Ton/Each	99.52	44.75
03 48 22 00-0005	EA		Install Precast Sun Screen Blade, 2-3 Ton/Each	124.34	55.99
03 48 22 00-0006			Material Cost <small>(03 48 22 00-0001)</small>		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0007	CY		4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,515.57	
			For 3,500 PSI Concrete, Add	229.39	
			For 4,000 PSI Concrete, Add	431.01	
			For 4,500 PSI Concrete, Add	633.51	
			For 5,000 PSI Concrete, Add	861.84	
03 48 22 00-0008	CY		5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,641.12	
			For 3,500 PSI Concrete, Add	237.58	
			For 4,000 PSI Concrete, Add	446.40	
			For 4,500 PSI Concrete, Add	656.13	
			For 5,000 PSI Concrete, Add	892.62	
03 48 22 00-0009	CY		6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,808.53	
			For 3,500 PSI Concrete, Add	248.51	
			For 4,000 PSI Concrete, Add	466.93	
			For 4,500 PSI Concrete, Add	686.30	
			For 5,000 PSI Concrete, Add	933.66	
03 48 22 00-0010	CY		8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,975.94	
			For 3,500 PSI Concrete, Add	259.43	
			For 4,000 PSI Concrete, Add	487.45	
			For 4,500 PSI Concrete, Add	716.46	
			For 5,000 PSI Concrete, Add	974.70	
03 48 22 00-0011			Sun Screen/Trellis Units <small>(03 48 22)</small>		
03 48 22 00-0012			Installation Cost Using A 50 Ton Hydraulic Crane <small>(03 48 22 00-0011)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA		Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	383.95	172.75
03 48 22 00-0014	EA		Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	429.47	193.32
03 48 22 00-0015	EA		Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	487.23	219.23
03 48 22 00-0016	EA		Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	520.73	234.33
03 48 22 00-0017			Material Cost <small>(03 48 22 00-0011)</small>		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY		4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,059.64	
			For 3,500 PSI Concrete, Add	264.89	
			For 4,000 PSI Concrete, Add	497.71	
			For 4,500 PSI Concrete, Add	731.55	
			For 5,000 PSI Concrete, Add	995.22	
03 48 22 00-0019	CY		5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,185.20	
			For 3,500 PSI Concrete, Add	273.08	
			For 4,000 PSI Concrete, Add	513.11	
			For 4,500 PSI Concrete, Add	754.17	
			For 5,000 PSI Concrete, Add	1,026.00	
03 48 22 00-0020	CY		6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,352.61	
			For 3,500 PSI Concrete, Add	284.01	
			For 4,000 PSI Concrete, Add	533.63	
			For 4,500 PSI Concrete, Add	784.34	
			For 5,000 PSI Concrete, Add	1,067.04	
03 48 22 00-0021	CY		8" Thick 3,000 PSI Concrete Precast Trellises Blades	4,561.87	
			For 3,500 PSI Concrete, Add	297.66	
			For 4,000 PSI Concrete, Add	559.29	
			For 4,500 PSI Concrete, Add	822.05	
			For 5,000 PSI Concrete, Add	1,118.34	
03 48 24			Precast Minaret Segments <small>(03 48)</small>		
03 48 24 00-0001			Installation Costs Using A 50 Ton Hydraulic Crane <small>(03 48 24)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002			L - Shaped Segments <small>(03 48 24 00-0001)</small>		
03 48 24 00-0003	EA		Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	373.62	298.90
03 48 24 00-0004	EA		Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	418.68	334.96
03 48 24 00-0005	EA		Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	473.39	378.70
03 48 24 00-0006	EA		Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	504.95	403.95
03 48 24 00-0007			O - Shaped Segments <small>(03 48 24 00-0001)</small>		
03 48 24 00-0008	EA		Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	394.86	315.95
03 48 24 00-0009	EA		Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	443.17	354.49
03 48 24 00-0010	EA		Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	501.91	401.49
03 48 24 00-0011	EA		Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	537.52	430.00
03 48 24 00-0012			Platform Segment <small>(03 48 24 00-0001)</small>		
03 48 24 00-0013	EA		Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	757.43	606.00
03 48 24 00-0014	EA		Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	915.57	732.41



Concrete	03	03
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,016.06	812.86
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,141.33	913.10
03 48 24 00-0017 Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	414.52	331.57
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	462.87	370.24
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	527.33	421.79
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	562.95	450.30
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	376.15	300.92
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	421.52	337.23
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	476.60	381.26
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	508.37	406.69
03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	397.54	318.09
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	446.17	356.89
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	505.31	404.21
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	541.16	432.91
03 48 24 00-0033 Platform Segment (03 48 24 00-0022)		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	607.84	486.25
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	735.80	588.61
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	814.38	651.53
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	921.77	737.37
03 48 24 00-0038 Cap Segment (03 48 24 00-0022)		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	417.32	333.82
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	466.01	372.74
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	530.90	424.65
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	566.76	453.35
03 48 24 00-0043 Material Costs (03 48 24)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete	10,043.92	
Note: Including Post Tension Cost		
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete	10,043.92	
Note: Including Post Tension Cost		
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete	10,043.92	
Note: Including Post Tension Cost		
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete	10,043.92	
Note: Including Post Tension Cost		
03 48 29 Precast Accessories (03 48)		
Note: Includes installation labor, material and equipment.		
03 48 29 00-0001 Bearing Pads For Precast Members (03 48 29)		
03 48 29 00-0002 Continuous 2" Wide Strips (03 48 29 00-0001)		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.46	
Note: For precast members		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	2.13	
Note: For precast members.		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.60	
Note: For precast members		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	5.09	
Note: For precast members		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips	6.64	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	9.58	
Note: For precast members		
03 48 29 00-0009 Bearing Pad Pipe Supports (03 48 29)		
03 48 29 00-0010 LF 8" Diameter Precast Balustrade, Decorative Shapes	116.06	
03 48 29 00-0011 LF Precast Rail Cap, <1 SF Cross Section	74.08	
03 48 29 00-0012 LF 4" x 4" Precast Pipe Support	9.86	

03 48 46 Precast Skylight Shells (03 48)

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane ^(03 48 46) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....	543.27	244.51
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....	603.25	271.48
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....	678.11	305.15
03 48 46 00-0005 Material Cost ^(03 48 46) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,202.06	
03 48 49 Precast Landings ^(03 48)		
03 48 49 00-0001 SF 3" Thick Precast Landing	103.41	
03 48 49 00-0002 SF 4" Thick Precast Landing	120.66	
03 48 49 00-0003 SF 5" Thick Precast Landing	136.97	
03 48 49 00-0004 SF 6" Thick Precast Landing	157.89	
03 48 54 Precast Concrete Blocks ^(03 48)		
03 48 54 00-0001 Precast Interlocking Concrete Blocks ^(03 48 54) Note: Includes lifting loop		
03 48 54 00-0002 EA 2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	188.73	41.74
03 48 54 00-0003 EA 2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	222.10	46.95
03 48 54 00-0004 EA 2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	255.47	52.17
03 48 54 00-0005 EA 2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	342.55	57.39
03 48 54 00-0006 EA 2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	413.97	62.60
03 50 Cast Decks and Underlayment ⁽⁰³⁾		
03 51 Cast Roof Decks ^(03 50)		
03 51 13 Cementitious Wood Fiber Decks ^(03 51)		
03 51 13 00-0001 Cement Fiber Tongue And Groove Planks ^(03 51 13)		
03 51 13 00-0002 SF 1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.71	
03 51 13 00-0003 SF 1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.92	
03 51 13 00-0004 SF 2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.14	
03 51 13 00-0005 SF 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.89	
03 51 13 00-0006 SF 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.70	
03 51 13 00-0007 SF 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.62	
03 51 13 00-0008 SF 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	8.76	
03 51 16 Gypsum Concrete Roof Decks ^(03 51)		
03 51 16 00-0001 Class A Gypsum Fill Concrete Deck ^(03 51 16)		
03 51 16 00-0002 SF 2" Thick Precast Gypsum Fill Concrete Deck, Class A	11.56	0.57
03 51 16 00-0003 SF 2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	14.33	0.66
03 51 16 00-0004 SF 3" Thick Precast Gypsum Fill Concrete Deck, Class A	17.12	0.75
03 51 16 00-0005 SF 3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	19.93	0.84
03 51 16 00-0006 SF 4" Thick Precast Gypsum Fill Concrete Deck, Class A	22.76	0.93
03 51 16 00-0007 Form Board For Lightweight Deck ^(03 51 16)		
03 51 16 00-0008 SF Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.39	
03 51 16 00-0009 SF Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.17	
03 51 16 00-0010 SF Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	6.51	
03 51 16 00-0011 SF Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.64	0.64
03 51 16 00-0012 SF Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.20	0.64
03 51 16 00-0013 SF Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.55	0.64
03 51 16 00-0014 SF Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.37	0.64
03 51 16 00-0015 Gypsum Plank ^(03 51 16)		
03 51 16 00-0016 SF 2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.88	
03 51 16 00-0017 SF 3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	6.58	
03 53 Concrete Topping ^(03 50) Note: Installed over new or existing concrete.		
03 53 14 Granolithic Concrete Topping ^(03 53)		
03 53 14 00-0001 Granolithic Topping Laid After ^(03 53 14) Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002 SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.39	
03 53 14 00-0003 SF 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.83	
03 53 14 00-0004 SF 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.24	



Concrete	03	03
Cast Decks and Underlayment	03 50	
Concrete Topping	03 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

03 53 19 Concrete Overlayment (03 53)

03 53 19 00-0001	Integral Topping Including Hard Trowel Finish <small>(03 53 19)</small>	
	Note: Using 1:1:2 mix.	
03 53 19 00-0002	SF 3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.61
03 53 19 00-0003	SF 1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.99
03 53 19 00-0004	SF 3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.56
03 53 19 00-0005	SF 1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.27
03 53 19 00-0006	SF 2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	6.25
03 53 19 00-0007	SF 2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.58
03 53 19 00-0008	SF 3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	6.34

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001	Self Leveling Cementitious Underlayment For Floors <small>(03 54 16)</small>	
	Note: Includes primer.	
03 54 16 00-0002	SF 1/8" Thick Self Leveling Cementitious Underlayment For Floors.....	2.14
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.14
	For >100 To 250 SF, Add	0.07
03 54 16 00-0003	SF 1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	3.79
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.14
	For >100 To 250 SF, Add	0.07
03 54 16 00-0004	SF 3/8" Thick Self Leveling Cementitious Underlayment For Floors.....	4.89
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.14
	For >100 To 250 SF, Add	0.07
03 54 16 00-0005	SF 1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	7.08
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.14
	For >100 To 250 SF, Add	0.07
03 54 16 00-0006	SF 5/8" Thick Self Leveling Cementitious Underlayment For Floors.....	8.40
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.14
	For >100 To 250 SF, Add	0.07
03 54 16 00-0007	SF 3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	10.42
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.17
	For >100 To 250 SF, Add	0.08
03 54 16 00-0008	SF 1" Thick Self Leveling Cementitious Underlayment For Floors.....	13.71
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.17
	For >100 To 250 SF, Add	0.08
03 54 16 00-0009	SF 1-1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	18.12
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.19
	For >100 To 250 SF, Add	0.09
03 54 16 00-0010	SF 1-1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	20.33
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.19
	For >100 To 250 SF, Add	0.09
03 54 16 00-0011	SF 1-3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	27.01
	Note: Including Surface Preparation	
	For Up To 100 SF, Add	0.23
	For >100 To 250 SF, Add	0.12

03 60 Grouting (03)

03 61 Cementitious Grouting (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout (03 61)

03 61 16 00-0001	Cementitious Flowable Grout <small>(03 61 16)</small>	
03 61 16 00-0002	CY Cementitious Flowable Grout.....	540.43

03 62 Non-Shrink Grouting (03 60)

03 62 13 Non-Metallic Non-Shrink Grouting (03 62)

03 62 13 00-0001	Fluid Type, Non-Metallic Non-Shrink Grouting For Bases <small>(03 62 13)</small>	
03 62 13 00-0002	SF 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	29.17
03 62 13 00-0003	SF 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	44.66

03	03 Concrete
	03 60 Grouting
	03 62 Non-Shrink Grouting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases <small>(03 62 13)</small>		
03 62 13 00-0005 SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases	45.34	
03 62 13 00-0006 SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases	74.56	
03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints <small>(03 62 13)</small>		
03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <small>(03 62 13 00-0007)</small>		
03 62 13 00-0009 LF 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.25	
03 62 13 00-0010 LF 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.98	
03 62 13 00-0011 LF 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.95	
03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <small>(03 62 13 00-0007)</small>		
03 62 13 00-0013 LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.42	
03 62 13 00-0014 LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.61	
03 62 13 00-0015 LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	6.12	
03 62 16 Metallic Non-Shrink Grouting <small>(03 62)</small>		
03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases <small>(03 62 16)</small>		
03 62 16 00-0002 SF 1" Deep, Metallic Non-Shrink Grout For Bases	36.97	
03 62 16 00-0003 SF 2" Deep, Metallic Non-Shrink Grout For Bases	58.32	
03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints <small>(03 62 16)</small>		
03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>		
03 62 16 00-0006 LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.72	
03 62 16 00-0007 LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.19	
03 62 16 00-0008 LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.93	
03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>		
03 62 16 00-0010 LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.40	
03 62 16 00-0011 LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.03	
03 62 16 00-0012 LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.04	
03 64 Injection Grouting <small>(03 60)</small>		
Note: By volume of void filled. Includes injection ports.		
03 64 23 Epoxy Injection Grouting <small>(03 64)</small>		
03 64 23 00-0001 Pressure Injected Epoxy Grout <small>(03 64 23)</small>		
03 64 23 00-0002 CF Pressure Injected Epoxy Grout	1,325.65	
<i>For >4, Deduct</i>		-140.45
03 64 26 Cementitious Injection Grouting <small>(03 64)</small>		
03 64 26 00-0001 Pressure Injected Cementitious Grout <small>(03 64 26)</small>		
03 64 26 00-0002 CF Pressure Injected Cementitious Grout	230.40	
<i>For >4, Deduct</i>		-60.25
03 80 Concrete Cutting and Boring <small>(03)</small>		
03 81 Concrete Cutting <small>(03 80)</small>		
03 81 13 Flat Concrete Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0001 for saw cutting.		
03 81 16 Track Mounted Concrete Wall Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0001 for saw cutting.		
03 82 Concrete Boring <small>(03 80)</small>		
03 82 13 Concrete Core Drilling <small>(03 82)</small>		
See CSI section 02 41 19 13-0024 for core drilling.		

END OF SECTION 03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

04 Masonry

04 01 Maintenance of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001	Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)		
04 01 20 41-0002	Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)		
	Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.		
04 01 20 41-0003	304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)		
04 01 20 41-0004	EA 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		22.58
	For Up To 10, Add		10.95
	For >10 To 50, Add		5.48
04 01 20 41-0005	EA 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		31.71
	For Up To 10, Add		10.95
	For >10 To 50, Add		5.48
04 01 20 41-0006	EA 8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		41.62
	For Up To 10, Add		10.95
	For >10 To 50, Add		5.48
04 01 20 41-0007	316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)		
04 01 20 41-0008	EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		24.56
	For Up To 10, Add		10.95
	For >10 To 50, Add		5.48
04 01 20 41-0009	EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		35.22
	For Up To 10, Add		10.95
	For >10 To 50, Add		5.48
04 01 20 41-0010	EA 8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		46.89
	For Up To 10, Add		10.95
	For >10 To 50, Add		5.48
04 01 20 41-0011	Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)		
	Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.		
04 01 20 41-0012	304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)		
04 01 20 41-0013	EA 4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		62.89
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89
04 01 20 41-0014	EA 4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		68.07
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89
04 01 20 41-0015	EA 4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		188.38
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89
04 01 20 41-0016	EA 6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		62.89
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89
04 01 20 41-0017	EA 6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		68.07
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89
04 01 20 41-0018	EA 6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		73.97
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89
04 01 20 41-0019	EA 6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		85.06
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89
04 01 20 41-0020	EA 6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		188.38
	For Up To 10, Add		43.78
	For >10 To 50, Add		21.89

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0021	316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <small>(04 01 20 41-0011)</small>		
04 01 20 41-0022	EA 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.71	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.84	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	211.91	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.71	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.84	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.68	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	91.65	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	211.91	
	For Up To 10, Add	43.78	
	For >10 To 50, Add	21.89	
04 01 20 41-0030	Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0001)</small>		
	Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031	304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>		
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.59	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.45	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.38	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.31	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.24	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.59	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.45	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.38	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.31	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.16	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.59	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.45	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.84	
	For Up To 10, Add	6.57	
	For >10 To 50, Add	3.29	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-----	-----	-------------	------------------------	----------------------

04 01 20 41-0047	316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>					
04 01 20 41-0048	EA 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				11.59	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0049	EA 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				12.52	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0050	EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				13.45	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0051	EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				14.38	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0052	EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				15.31	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0053	EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				16.24	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0054	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				11.59	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0055	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				12.52	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0056	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				13.45	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0057	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				14.38	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0058	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				15.31	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0059	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)				17.16	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0060	EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)				11.59	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0061	EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)				13.45	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
04 01 20 41-0062	EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)				14.84	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	

04 01 20 41-0063 **Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)** (04 01 20 41-0001)
Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.

04 01 20 41-0064	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>					
04 01 20 41-0065	EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)				9.40	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
	<i>For Metal Stud Clip, Add</i>				2.54	
04 01 20 41-0066	EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)				9.74	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
	<i>For Metal Stud Clip, Add</i>				2.54	
04 01 20 41-0067	EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)				9.80	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
	<i>For Metal Stud Clip, Add</i>				2.54	
04 01 20 41-0068	EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)				9.94	
	<i>For Up To 10, Add</i>				6.57	
	<i>For >10 To 50, Add</i>				3.29	
	<i>For Metal Stud Clip, Add</i>				2.54	

04	Masonry
04 01	Maintenance of Masonry
04 01 20	Maintenance of Unit Masonry



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.18	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.39	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.49	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.62	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.21	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.30	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.01	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.62	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.14	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.96	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.58	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.74	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.52	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.88	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.20	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.49	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.68	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.81	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.02	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.11	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.53	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.13	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.63	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.27	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.69	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.60	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.58	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.30	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.51	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.65	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.75	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.05	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.52	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.70	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.17	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.85	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.26	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.55	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.73	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0108	EA		10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.86	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0109	EA		10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.17	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0110	EA		304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.96	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i>	3.28	
			<i>For >10 To 50, Add</i>	1.64	
04 01 20 41-0111			316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>		
04 01 20 41-0112	EA		8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.93	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0113	EA		8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.35	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0114	EA		8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.43	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0115	EA		8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.60	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0116	EA		8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.91	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0117	EA		8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.16	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0118	EA		8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.29	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0119	EA		8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.46	
			<i>For Up To 10, Add</i>	6.57	
			<i>For >10 To 50, Add</i>	3.29	
			<i>For Metal Stud Clip, Add</i>	2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120 EA 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.07	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0121 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.18	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0122 EA 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.07	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0123 EA 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.83	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0124 EA 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.48	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0125 EA 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.75	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0126 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.60	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0127 EA 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.29	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0128 EA 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.15	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0129 EA 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.56	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0130 EA 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.96	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0131 EA 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.33	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0132 EA 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.56	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0133 EA 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.72	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0134 EA 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.99	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0135 EA 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.10	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0136 EA 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.59	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	

04 Masonry
04 01 Maintenance of Masonry
04 01 20 Maintenance of Unit Masonry



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.27	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.89	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.68	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.95	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.00	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	24.72	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.14	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.38	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.54	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.67	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.05	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.64	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.83	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.42	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.74	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.26	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.62	
		<i>For Up To 10, Add</i>	6.57	
		<i>For >10 To 50, Add</i>	3.29	
		<i>For Metal Stud Clip, Add</i>	2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.85	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.01	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.39	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.37	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	3.28	
<i>For >10 To 50, Add</i>	1.64	
04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.11	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.15	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.39	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.46	
<i>For Up To 10, Add</i>	6.57	
<i>For >10 To 50, Add</i>	3.29	
04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	52.53	
<i>For Up To 10, Add</i>	43.78	
<i>For >10 To 50, Add</i>	21.89	
04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	53.83	
<i>For Up To 10, Add</i>	43.78	
<i>For >10 To 50, Add</i>	21.89	
04 01 20 41-0170 Unit Masonry Stabilization (04 01 20 41)		
04 01 20 41-0171 Repair Bulging Or Loose Masonry (04 01 20 41-0170)		
04 01 20 41-0172 SF Repair Bulging Or Loose Masonry Using Existing Masonry	84.41	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173 SF Repair Bulging Or Loose Masonry Using New Masonry	90.99	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51 Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall	4.01	
04 01 20 91 Unit Masonry Restoration (04 01 20)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0001 Cut And Repoint Masonry <small>(04 01 20 91)</small> Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002 SF Cut And Repoint, Hard Mortar, Running Bond, Brick.....	10.80	
<i>For Common Bond, Add</i>	0.41	
<i>For Flemish Bond, Add</i>	1.44	
<i>For English Bond, Add</i>	2.36	
<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.62	
<i>For >250 To 1,000, Deduct</i>	-0.51	
<i>For >1,000, Deduct</i>	-1.05	
04 01 20 91-0003 SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick.....	7.51	
<i>For Common Bond, Add</i>	0.28	
<i>For Flemish Bond, Add</i>	0.97	
<i>For English Bond, Add</i>	1.60	
<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.13	
<i>For >250 To 1,000, Deduct</i>	-0.35	
<i>For >1,000, Deduct</i>	-0.72	
04 01 20 91-0004 SF Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.53	
<i>For Common Bond, Add</i>	0.20	
<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.83	
<i>For >250 To 1,000, Deduct</i>	-0.25	
<i>For >1,000, Deduct</i>	-0.53	
04 01 20 91-0005 SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	3.95	
<i>For Common Bond, Add</i>	0.14	
<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.59	
<i>For >250 To 1,000, Deduct</i>	-0.17	
<i>For >1,000, Deduct</i>	-0.37	
04 01 20 91-0006 LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.17	
04 01 20 91-0007 Repair Masonry <small>(04 01 20 91)</small> Note: Includes mortar for repair.		
04 01 20 91-0008 SF Patch And Repair Terra Cotta Walls Or Coping.....	20.42	
Note: Including Replacement Of Damaged Material		
04 01 20 91-0009 SF Patch And Repair Terra Cotta Floors.....	19.02	
Note: Including Replacement Of Damaged Material		
04 01 20 91-0010 LF Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	4.98	
04 01 20 91-0011 SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	9.79	
04 01 20 91-0012 LF Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base).....	553.41	
04 01 20 91-0013 LF Pressure Grout Block/Brick Master Builders RHEOCEM 900 (Portland Cement Base).....	157.89	
04 01 20 91-0014 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570).....	33.72	
<i>For Cracks Accessible From Both Sides, Add</i>	6.86	
04 01 20 91-0015 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	29.59	
<i>For Cracks Accessible From Both Sides, Add</i>	6.86	
04 01 20 91-0016 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	7.85	
<i>For V-Grooving Crack With Grinder, Add</i>	5.55	
04 01 20 91-0017 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	10.66	
<i>For V-Grooving Crack With Grinder, Add</i>	5.28	
04 01 50 Maintenance of Refractory Masonry <small>(04 01)</small>		
04 01 50 52 Refractory Masonry Cleaning <small>(04 01 50)</small>		
04 01 50 52-0001 Chimney Cleaning <small>(04 01 50 52)</small>		
04 01 50 52-0002 LF Up To 2 SF Cross Section Chimney Cleaning.....	6.76	
04 01 50 52-0003 LF >2 To 4 SF Cross Section Chimney Cleaning.....	13.50	
04 01 50 52-0004 LF >4 SF Cross Section Chimney Cleaning.....	20.25	
04 05 Common Work Results for Masonry <small>(04)</small>		
04 05 13 Masonry Mortaring <small>(04 05)</small>		
04 05 13 26 Engineered Masonry Mortaring <small>(04 05 13)</small> Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.		
04 05 13 26-0001 Masonry Cement Mortar <small>(04 05 13 26)</small> Note: Ratio is bag material to sand.		
04 05 13 26-0002 CF Type M Masonry Cement 1:1:6 Mix.....	6.56	
04 05 13 26-0003 CF Type N Masonry Cement 1:3 Mix.....	6.05	
04 05 13 26-0004 CF Type O Masonry Cement 1:3 Mix.....	6.21	
04 05 13 26-0005 CF Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	6.80	
04 05 13 26-0006 CF Type S Masonry Cement 1/2:1:4 Mix.....	7.17	
04 05 13 26-0007 Mortar Admixture <small>(04 05 13 26)</small>		
04 05 13 26-0008 CF Water - Repellent Stearate - Cost Based On CF Of Mortar.....	0.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0009 CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.11	
04 05 13 26-0010 Color Admixtures For Mortar (04 05 13 26) Note: Costs are based on CF of mortar.		
04 05 13 26-0011 CF Buff Colored Admixture	3.62	
04 05 13 26-0012 CF Brown Colored Admixture	4.11	
04 05 13 26-0013 CF Black Colored Admixture	5.08	
04 05 13 26-0014 CF Red Colored Admixture	11.12	
04 05 13 26-0015 Portland Cement (04 05 13 26)		
04 05 13 26-0016 CF Normal Portland Cement (Type I)	19.27	
04 05 13 26-0017 CF Modified Portland Cement (Type II)	9.61	
04 05 13 26-0018 CF High Early Strength Portland Cement (Type III)	10.20	
04 05 13 26-0019 CF White Non-Staining Portland Cement (Type I)	21.36	
04 05 16 Masonry Grouting (04 05)		
04 05 16 26 Engineered Masonry Grouting (04 05 16) Note: Excludes reinforcement.		
04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill (04 05 16 26) Note: Excludes block.		
04 05 16 26-0002 LF Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	5.05	
04 05 16 26-0003 LF Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	5.54	
04 05 16 26-0004 LF Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	6.24	
04 05 16 26-0005 LF Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	7.01	
04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26) Note: Per SF of face area filled.		
04 05 16 26-0007 SF Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	3.81	
04 05 16 26-0008 SF Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	5.70	
04 05 16 26-0009 SF Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	8.14	
04 05 16 26-0010 SF Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	10.04	
04 05 16 26-0011 SF Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	11.91	
04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26) Note: Per SF of face area filled.		
04 05 16 26-0013 SF Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	4.66	
04 05 16 26-0014 SF Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	6.60	
04 05 16 26-0015 SF Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	8.32	
04 05 16 26-0016 SF Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	11.38	
04 05 16 26-0017 Grout Frames, Grout Fill (04 05 16 26)		
04 05 16 26-0018 LF Grout Door Frames - Grout Fill	7.59	
04 05 16 26-0019 LF Grout Window Frames - Grout Fill	6.53	
04 05 16 26-0020 Sand Filled Walls (04 05 16 26)		
04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020) Note: Per SF of face area filled.		
04 05 16 26-0022 SF Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	3.55	
04 05 16 26-0023 SF Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	4.90	
04 05 16 26-0024 SF Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	6.02	
04 05 16 26-0025 SF Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	8.00	
04 05 19 Masonry Anchorage and Reinforcing (04 05)		
04 05 19 13 Continuous Joint Reinforcing (04 05 19) Note: Includes cutting and bending.		
04 05 19 13-0001 Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0005 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	63.09	
For Hot-Dipped Galvanized, Add	10.12	
For Stainless Steel, Add	40.46	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	67.04	
		<i>For Hot-Dipped Galvanized, Add</i>	10.63	
		<i>For Stainless Steel, Add</i>	42.50	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	72.36	
		<i>For Hot-Dipped Galvanized, Add</i>	11.20	
		<i>For Stainless Steel, Add</i>	44.80	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.66	
		<i>For Hot-Dipped Galvanized, Add</i>	11.85	
		<i>For Stainless Steel, Add</i>	47.40	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.04	
		<i>For Hot-Dipped Galvanized, Add</i>	12.49	
		<i>For Stainless Steel, Add</i>	49.94	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.54	
		<i>For Hot-Dipped Galvanized, Add</i>	12.80	
		<i>For Stainless Steel, Add</i>	51.18	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.54	
		<i>For Hot-Dipped Galvanized, Add</i>	13.15	
		<i>For Stainless Steel, Add</i>	52.60	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.79	
		<i>For Hot-Dipped Galvanized, Add</i>	18.08	
		<i>For Stainless Steel, Add</i>	72.30	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.91	
		<i>For Hot-Dipped Galvanized, Add</i>	27.94	
		<i>For Stainless Steel, Add</i>	111.76	
04 05 19 13-0014		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.31	
		<i>For Hot-Dipped Galvanized, Add</i>	15.72	
		<i>For Stainless Steel, Add</i>	62.88	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.38	
		<i>For Hot-Dipped Galvanized, Add</i>	16.30	
		<i>For Stainless Steel, Add</i>	65.18	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	83.82	
		<i>For Hot-Dipped Galvanized, Add</i>	16.93	
		<i>For Stainless Steel, Add</i>	67.72	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.00	
		<i>For Hot-Dipped Galvanized, Add</i>	17.52	
		<i>For Stainless Steel, Add</i>	70.08	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	97.35	
		<i>For Hot-Dipped Galvanized, Add</i>	18.14	
		<i>For Stainless Steel, Add</i>	72.56	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.89	
		<i>For Hot-Dipped Galvanized, Add</i>	18.48	
		<i>For Stainless Steel, Add</i>	73.92	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.83	
		<i>For Hot-Dipped Galvanized, Add</i>	18.79	
		<i>For Stainless Steel, Add</i>	75.16	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.69	
		<i>For Hot-Dipped Galvanized, Add</i>	25.53	
		<i>For Stainless Steel, Add</i>	102.12	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.49	
		<i>For Hot-Dipped Galvanized, Add</i>	40.74	
		<i>For Stainless Steel, Add</i>	162.94	
04 05 19 13-0024		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.19	
		<i>For Hot-Dipped Galvanized, Add</i>	21.16	
		<i>For Stainless Steel, Add</i>	84.64	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.81	
		<i>For Hot-Dipped Galvanized, Add</i>	22.32	
		<i>For Stainless Steel, Add</i>	89.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 05 19 13-0027	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.42	
				<i>For Hot-Dipped Galvanized, Add</i>	23.48	
				<i>For Stainless Steel, Add</i>	93.92	
	04 05 19 13-0028	CLF	#10	(For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.71	
				<i>For Hot-Dipped Galvanized, Add</i>	24.88	
				<i>For Stainless Steel, Add</i>	99.50	
	04 05 19 13-0029	CLF	#12	(For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.97	
				<i>For Hot-Dipped Galvanized, Add</i>	26.26	
				<i>For Stainless Steel, Add</i>	105.02	
	04 05 19 13-0030	CLF	#13	(For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.94	
				<i>For Hot-Dipped Galvanized, Add</i>	27.00	
				<i>For Stainless Steel, Add</i>	107.98	
	04 05 19 13-0031	CLF	#14	(For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.96	
				<i>For Hot-Dipped Galvanized, Add</i>	27.63	
				<i>For Stainless Steel, Add</i>	110.52	
	04 05 19 13-0032	CLF	#16	(For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.45	
				<i>For Hot-Dipped Galvanized, Add</i>	28.91	
				<i>For Stainless Steel, Add</i>	115.62	
	04 05 19 13-0033	CLF	#18	(For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.07	
				<i>For Hot-Dipped Galvanized, Add</i>	48.02	
				<i>For Stainless Steel, Add</i>	192.06	
	04 05 19 13-0034			Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
	04 05 19 13-0035	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.92	
				<i>For Hot-Dipped Galvanized, Add</i>	23.03	
				<i>For Stainless Steel, Add</i>	92.10	
	04 05 19 13-0036	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.86	
				<i>For Hot-Dipped Galvanized, Add</i>	23.53	
				<i>For Stainless Steel, Add</i>	94.12	
	04 05 19 13-0037	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.17	
				<i>For Hot-Dipped Galvanized, Add</i>	24.11	
				<i>For Stainless Steel, Add</i>	96.42	
	04 05 19 13-0038	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.47	
				<i>For Hot-Dipped Galvanized, Add</i>	24.76	
				<i>For Stainless Steel, Add</i>	99.02	
	04 05 19 13-0039	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.84	
				<i>For Hot-Dipped Galvanized, Add</i>	25.39	
				<i>For Stainless Steel, Add</i>	101.54	
	04 05 19 13-0040	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.34	
				<i>For Hot-Dipped Galvanized, Add</i>	25.70	
				<i>For Stainless Steel, Add</i>	102.78	
	04 05 19 13-0041	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.33	
				<i>For Hot-Dipped Galvanized, Add</i>	26.05	
				<i>For Stainless Steel, Add</i>	104.20	
	04 05 19 13-0042	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.60	
				<i>For Hot-Dipped Galvanized, Add</i>	30.98	
				<i>For Stainless Steel, Add</i>	123.92	
	04 05 19 13-0043			Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
	04 05 19 13-0044	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.14	
				<i>For Hot-Dipped Galvanized, Add</i>	28.64	
				<i>For Stainless Steel, Add</i>	114.54	
	04 05 19 13-0045	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.22	
				<i>For Hot-Dipped Galvanized, Add</i>	29.21	
				<i>For Stainless Steel, Add</i>	116.84	
	04 05 19 13-0046	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.64	
				<i>For Hot-Dipped Galvanized, Add</i>	29.84	
				<i>For Stainless Steel, Add</i>	119.36	
	04 05 19 13-0047	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.82	
				<i>For Hot-Dipped Galvanized, Add</i>	30.43	
				<i>For Stainless Steel, Add</i>	121.72	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.17		
		<i>For Hot-Dipped Galvanized, Add</i>	31.05		
		<i>For Stainless Steel, Add</i>	124.20		
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.71		
		<i>For Hot-Dipped Galvanized, Add</i>	31.39		
		<i>For Stainless Steel, Add</i>	125.56		
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.64		
		<i>For Hot-Dipped Galvanized, Add</i>	31.70		
		<i>For Stainless Steel, Add</i>	126.80		
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.51		
		<i>For Hot-Dipped Galvanized, Add</i>	38.44		
		<i>For Stainless Steel, Add</i>	153.76		
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	185.32		
		<i>For Hot-Dipped Galvanized, Add</i>	53.65		
		<i>For Stainless Steel, Add</i>	214.60		
04 05 19 13-0053		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>			
04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.99		
		<i>For Hot-Dipped Galvanized, Add</i>	34.06		
		<i>For Stainless Steel, Add</i>	136.24		
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.62		
		<i>For Hot-Dipped Galvanized, Add</i>	35.23		
		<i>For Stainless Steel, Add</i>	140.90		
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.24		
		<i>For Hot-Dipped Galvanized, Add</i>	36.39		
		<i>For Stainless Steel, Add</i>	145.56		
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.52		
		<i>For Hot-Dipped Galvanized, Add</i>	37.78		
		<i>For Stainless Steel, Add</i>	151.12		
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	138.79		
		<i>For Hot-Dipped Galvanized, Add</i>	39.17		
		<i>For Stainless Steel, Add</i>	156.66		
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.76		
		<i>For Hot-Dipped Galvanized, Add</i>	39.91		
		<i>For Stainless Steel, Add</i>	159.62		
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.77		
		<i>For Hot-Dipped Galvanized, Add</i>	40.54		
		<i>For Stainless Steel, Add</i>	162.14		
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.25		
		<i>For Hot-Dipped Galvanized, Add</i>	41.81		
		<i>For Stainless Steel, Add</i>	167.22		
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	199.89		
		<i>For Hot-Dipped Galvanized, Add</i>	60.93		
		<i>For Stainless Steel, Add</i>	243.70		
04 05 19 13-0063		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>			
04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.74		
		<i>For Hot-Dipped Galvanized, Add</i>	35.94		
		<i>For Stainless Steel, Add</i>	143.74		
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.67		
		<i>For Hot-Dipped Galvanized, Add</i>	36.44		
		<i>For Stainless Steel, Add</i>	145.74		
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.98		
		<i>For Hot-Dipped Galvanized, Add</i>	37.01		
		<i>For Stainless Steel, Add</i>	148.04		
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.28		
		<i>For Hot-Dipped Galvanized, Add</i>	37.66		
		<i>For Stainless Steel, Add</i>	150.64		
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.66		
		<i>For Hot-Dipped Galvanized, Add</i>	38.30		
		<i>For Stainless Steel, Add</i>	153.18		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	143.16	
<i>For Hot-Dipped Galvanized, Add</i>	38.61	
<i>For Stainless Steel, Add</i>	154.42	
04 05 19 13-0070 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	147.15	
<i>For Hot-Dipped Galvanized, Add</i>	38.96	
<i>For Stainless Steel, Add</i>	155.84	
04 05 19 13-0071 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	161.41	
<i>For Hot-Dipped Galvanized, Add</i>	43.89	
<i>For Stainless Steel, Add</i>	175.54	
04 05 19 13-0072 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	185.54	
<i>For Hot-Dipped Galvanized, Add</i>	53.76	
<i>For Stainless Steel, Add</i>	215.02	
04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	125.95	
<i>For Hot-Dipped Galvanized, Add</i>	41.54	
<i>For Stainless Steel, Add</i>	166.16	
04 05 19 13-0075 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	130.03	
<i>For Hot-Dipped Galvanized, Add</i>	42.12	
<i>For Stainless Steel, Add</i>	168.46	
04 05 19 13-0076 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	135.46	
<i>For Hot-Dipped Galvanized, Add</i>	42.75	
<i>For Stainless Steel, Add</i>	171.00	
04 05 19 13-0077 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	141.64	
<i>For Hot-Dipped Galvanized, Add</i>	43.34	
<i>For Stainless Steel, Add</i>	173.36	
04 05 19 13-0078 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	148.99	
<i>For Hot-Dipped Galvanized, Add</i>	43.96	
<i>For Stainless Steel, Add</i>	175.84	
04 05 19 13-0079 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	154.53	
<i>For Hot-Dipped Galvanized, Add</i>	44.30	
<i>For Stainless Steel, Add</i>	177.20	
04 05 19 13-0080 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	158.46	
<i>For Hot-Dipped Galvanized, Add</i>	44.61	
<i>For Stainless Steel, Add</i>	178.44	
04 05 19 13-0081 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	176.33	
<i>For Hot-Dipped Galvanized, Add</i>	51.35	
<i>For Stainless Steel, Add</i>	205.40	
04 05 19 13-0082 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	211.14	
<i>For Hot-Dipped Galvanized, Add</i>	66.56	
<i>For Stainless Steel, Add</i>	266.24	
04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	136.81	
<i>For Hot-Dipped Galvanized, Add</i>	46.97	
<i>For Stainless Steel, Add</i>	187.88	
04 05 19 13-0085 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	142.44	
<i>For Hot-Dipped Galvanized, Add</i>	48.14	
<i>For Stainless Steel, Add</i>	192.54	
04 05 19 13-0086 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	148.06	
<i>For Hot-Dipped Galvanized, Add</i>	49.30	
<i>For Stainless Steel, Add</i>	197.20	
04 05 19 13-0087 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	156.33	
<i>For Hot-Dipped Galvanized, Add</i>	50.69	
<i>For Stainless Steel, Add</i>	202.74	
04 05 19 13-0088 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	164.61	
<i>For Hot-Dipped Galvanized, Add</i>	52.08	
<i>For Stainless Steel, Add</i>	208.30	
04 05 19 13-0089 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	171.57	
<i>For Hot-Dipped Galvanized, Add</i>	52.81	
<i>For Stainless Steel, Add</i>	211.24	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0090 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	175.59	
For Hot-Dipped Galvanized, Add	53.45	
For Stainless Steel, Add	213.78	
04 05 19 13-0091 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	183.07	
For Hot-Dipped Galvanized, Add	54.72	
For Stainless Steel, Add	218.86	
04 05 19 13-0092 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	225.70	
For Hot-Dipped Galvanized, Add	73.83	
For Stainless Steel, Add	295.32	
04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0095 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	90.04	
For Hot-Dipped Galvanized, Add	17.20	
For Stainless Steel, Add	68.78	
04 05 19 13-0096 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	99.38	
For Hot-Dipped Galvanized, Add	18.78	
For Stainless Steel, Add	75.10	
04 05 19 13-0097 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	108.34	
For Hot-Dipped Galvanized, Add	20.17	
For Stainless Steel, Add	80.66	
04 05 19 13-0098 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	116.14	
For Hot-Dipped Galvanized, Add	20.97	
For Stainless Steel, Add	83.88	
04 05 19 13-0099 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	120.72	
For Hot-Dipped Galvanized, Add	21.72	
For Stainless Steel, Add	86.86	
04 05 19 13-0100 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	129.60	
For Hot-Dipped Galvanized, Add	23.38	
For Stainless Steel, Add	93.50	
04 05 19 13-0101 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.26	
For Hot-Dipped Galvanized, Add	24.74	
For Stainless Steel, Add	98.94	
04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0103 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	104.01	
For Hot-Dipped Galvanized, Add	24.18	
For Stainless Steel, Add	96.72	
04 05 19 13-0104 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	113.38	
For Hot-Dipped Galvanized, Add	25.78	
For Stainless Steel, Add	103.10	
04 05 19 13-0105 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	122.19	
For Hot-Dipped Galvanized, Add	27.09	
For Stainless Steel, Add	108.36	
04 05 19 13-0106 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	130.15	
For Hot-Dipped Galvanized, Add	27.98	
For Stainless Steel, Add	111.90	
04 05 19 13-0107 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	134.69	
For Hot-Dipped Galvanized, Add	28.70	
For Stainless Steel, Add	114.80	
04 05 19 13-0108 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	143.57	
For Hot-Dipped Galvanized, Add	30.36	
For Stainless Steel, Add	121.44	
04 05 19 13-0109 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	151.42	
For Hot-Dipped Galvanized, Add	31.82	
For Stainless Steel, Add	127.26	
04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0111 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.79	
<i>For Hot-Dipped Galvanized, Add</i>	27.57	
<i>For Stainless Steel, Add</i>	110.28	
04 05 19 13-0112 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	121.77	
<i>For Hot-Dipped Galvanized, Add</i>	29.97	
<i>For Stainless Steel, Add</i>	119.88	
04 05 19 13-0113 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	132.66	
<i>For Hot-Dipped Galvanized, Add</i>	32.33	
<i>For Stainless Steel, Add</i>	129.30	
04 05 19 13-0114 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	141.36	
<i>For Hot-Dipped Galvanized, Add</i>	33.58	
<i>For Stainless Steel, Add</i>	134.32	
04 05 19 13-0115 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.74	
<i>For Hot-Dipped Galvanized, Add</i>	34.73	
<i>For Stainless Steel, Add</i>	138.90	
04 05 19 13-0116 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	157.20	
<i>For Hot-Dipped Galvanized, Add</i>	37.18	
<i>For Stainless Steel, Add</i>	148.70	
04 05 19 13-0117 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	166.94	
<i>For Hot-Dipped Galvanized, Add</i>	39.58	
<i>For Stainless Steel, Add</i>	158.30	
 04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
 04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	127.64	
<i>For Hot-Dipped Galvanized, Add</i>	36.00	
<i>For Stainless Steel, Add</i>	143.98	
04 05 19 13-0121 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	136.02	
<i>For Hot-Dipped Galvanized, Add</i>	37.10	
<i>For Stainless Steel, Add</i>	148.38	
04 05 19 13-0122 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	144.43	
<i>For Hot-Dipped Galvanized, Add</i>	38.21	
<i>For Stainless Steel, Add</i>	152.84	
04 05 19 13-0123 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	156.19	
<i>For Hot-Dipped Galvanized, Add</i>	39.45	
<i>For Stainless Steel, Add</i>	157.80	
04 05 19 13-0124 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.23	
<i>For Hot-Dipped Galvanized, Add</i>	40.69	
<i>For Stainless Steel, Add</i>	162.76	
04 05 19 13-0125 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.95	
<i>For Hot-Dipped Galvanized, Add</i>	42.58	
<i>For Stainless Steel, Add</i>	170.32	
 04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	149.54	
<i>For Hot-Dipped Galvanized, Add</i>	46.95	
<i>For Stainless Steel, Add</i>	187.78	
04 05 19 13-0128 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	157.96	
<i>For Hot-Dipped Galvanized, Add</i>	48.07	
<i>For Stainless Steel, Add</i>	192.26	
04 05 19 13-0129 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	166.64	
<i>For Hot-Dipped Galvanized, Add</i>	49.32	
<i>For Stainless Steel, Add</i>	197.26	
04 05 19 13-0130 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	178.12	
<i>For Hot-Dipped Galvanized, Add</i>	50.42	
<i>For Stainless Steel, Add</i>	201.66	
04 05 19 13-0131 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.19	
<i>For Hot-Dipped Galvanized, Add</i>	51.67	
<i>For Stainless Steel, Add</i>	206.68	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0132 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	193.64	
For Hot-Dipped Galvanized, Add	52.93	
For Stainless Steel, Add	211.70	
04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)		
04 05 19 13-0134 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	151.16	
For Hot-Dipped Galvanized, Add	47.76	
For Stainless Steel, Add	191.02	
04 05 19 13-0135 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	160.77	
For Hot-Dipped Galvanized, Add	49.47	
For Stainless Steel, Add	197.88	
04 05 19 13-0136 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	170.36	
For Hot-Dipped Galvanized, Add	51.18	
For Stainless Steel, Add	204.70	
04 05 19 13-0137 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.76	
For Hot-Dipped Galvanized, Add	53.24	
For Stainless Steel, Add	212.94	
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	193.41	
For Hot-Dipped Galvanized, Add	55.28	
For Stainless Steel, Add	221.12	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	202.41	
For Hot-Dipped Galvanized, Add	57.31	
For Stainless Steel, Add	229.24	
04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	137.91	
For Hot-Dipped Galvanized, Add	38.04	
For Stainless Steel, Add	152.16	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	146.26	
For Hot-Dipped Galvanized, Add	39.13	
For Stainless Steel, Add	156.50	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	157.71	
For Hot-Dipped Galvanized, Add	40.21	
For Stainless Steel, Add	160.84	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	165.84	
For Hot-Dipped Galvanized, Add	41.50	
For Stainless Steel, Add	165.98	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	173.26	
For Hot-Dipped Galvanized, Add	42.74	
For Stainless Steel, Add	170.94	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	181.69	
For Hot-Dipped Galvanized, Add	45.23	
For Stainless Steel, Add	180.92	
04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)		
04 05 19 13-0149 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	159.84	
For Hot-Dipped Galvanized, Add	49.01	
For Stainless Steel, Add	196.02	
04 05 19 13-0150 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	168.22	
For Hot-Dipped Galvanized, Add	50.11	
For Stainless Steel, Add	200.42	
04 05 19 13-0151 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	179.98	
For Hot-Dipped Galvanized, Add	51.35	
For Stainless Steel, Add	205.38	
04 05 19 13-0152 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	187.74	
For Hot-Dipped Galvanized, Add	52.45	
For Stainless Steel, Add	209.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0153 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	195.19	
<i>For Hot-Dipped Galvanized, Add</i>	53.70	
<i>For Stainless Steel, Add</i>	214.80	
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	203.90	
<i>For Hot-Dipped Galvanized, Add</i>	56.34	
<i>For Stainless Steel, Add</i>	225.34	
04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	161.39	
<i>For Hot-Dipped Galvanized, Add</i>	49.78	
<i>For Stainless Steel, Add</i>	199.12	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	171.01	
<i>For Hot-Dipped Galvanized, Add</i>	51.50	
<i>For Stainless Steel, Add</i>	206.00	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	183.76	
<i>For Hot-Dipped Galvanized, Add</i>	53.24	
<i>For Stainless Steel, Add</i>	212.94	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	193.41	
<i>For Hot-Dipped Galvanized, Add</i>	55.28	
<i>For Stainless Steel, Add</i>	221.12	
04 05 19 13-0160 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	202.41	
<i>For Hot-Dipped Galvanized, Add</i>	57.31	
<i>For Stainless Steel, Add</i>	229.24	
04 05 19 13-0161 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	211.67	
<i>For Hot-Dipped Galvanized, Add</i>	60.22	
<i>For Stainless Steel, Add</i>	240.88	
04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	130.69	
<i>For Hot-Dipped Galvanized, Add</i>	34.43	
<i>For Stainless Steel, Add</i>	137.72	
<i>For Seismic Hook And Eye, Add</i>	14.80	
04 05 19 13-0165 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	138.67	
<i>For Hot-Dipped Galvanized, Add</i>	35.33	
<i>For Stainless Steel, Add</i>	141.32	
<i>For Seismic Hook And Eye, Add</i>	15.19	
04 05 19 13-0166 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.87	
<i>For Hot-Dipped Galvanized, Add</i>	36.29	
<i>For Stainless Steel, Add</i>	145.16	
<i>For Seismic Hook And Eye, Add</i>	15.60	
04 05 19 13-0167 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	157.48	
<i>For Hot-Dipped Galvanized, Add</i>	37.32	
<i>For Stainless Steel, Add</i>	149.26	
<i>For Seismic Hook And Eye, Add</i>	16.05	
04 05 19 13-0168 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.55	
<i>For Hot-Dipped Galvanized, Add</i>	38.38	
<i>For Stainless Steel, Add</i>	153.52	
<i>For Seismic Hook And Eye, Add</i>	16.50	
04 05 19 13-0169 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	169.91	
<i>For Hot-Dipped Galvanized, Add</i>	39.34	
<i>For Stainless Steel, Add</i>	157.36	
<i>For Seismic Hook And Eye, Add</i>	16.92	
04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0171 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	151.26	
<i>For Hot-Dipped Galvanized, Add</i>	44.72	
<i>For Stainless Steel, Add</i>	178.86	
<i>For Seismic Hook And Eye, Add</i>	19.23	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0172 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	158.84	
<i>For Hot-Dipped Galvanized, Add</i>	45.42	
<i>For Stainless Steel, Add</i>	181.66	
<i>For Seismic Hook And Eye, Add</i>	19.53	
04 05 19 13-0173 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	170.10	
<i>For Hot-Dipped Galvanized, Add</i>	46.41	
<i>For Stainless Steel, Add</i>	185.62	
<i>For Seismic Hook And Eye, Add</i>	19.95	
04 05 19 13-0174 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	177.58	
<i>For Hot-Dipped Galvanized, Add</i>	47.37	
<i>For Stainless Steel, Add</i>	189.46	
<i>For Seismic Hook And Eye, Add</i>	20.37	
04 05 19 13-0175 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	184.44	
<i>For Hot-Dipped Galvanized, Add</i>	48.33	
<i>For Stainless Steel, Add</i>	193.30	
<i>For Seismic Hook And Eye, Add</i>	20.78	
04 05 19 13-0176 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	192.03	
<i>For Hot-Dipped Galvanized, Add</i>	50.40	
<i>For Stainless Steel, Add</i>	201.60	
<i>For Seismic Hook And Eye, Add</i>	21.67	
04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)		
04 05 19 13-0178 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	152.78	
<i>For Hot-Dipped Galvanized, Add</i>	45.48	
<i>For Stainless Steel, Add</i>	181.90	
<i>For Seismic Hook And Eye, Add</i>	19.55	
04 05 19 13-0179 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	162.25	
<i>For Hot-Dipped Galvanized, Add</i>	47.12	
<i>For Stainless Steel, Add</i>	188.48	
<i>For Seismic Hook And Eye, Add</i>	20.26	
04 05 19 13-0180 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.78	
<i>For Hot-Dipped Galvanized, Add</i>	48.75	
<i>For Stainless Steel, Add</i>	194.98	
<i>For Seismic Hook And Eye, Add</i>	20.96	
04 05 19 13-0181 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	184.24	
<i>For Hot-Dipped Galvanized, Add</i>	50.70	
<i>For Stainless Steel, Add</i>	202.78	
<i>For Seismic Hook And Eye, Add</i>	21.80	
04 05 19 13-0182 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	193.08	
<i>For Hot-Dipped Galvanized, Add</i>	52.65	
<i>For Stainless Steel, Add</i>	210.58	
<i>For Seismic Hook And Eye, Add</i>	22.64	
04 05 19 13-0183 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	200.40	
<i>For Hot-Dipped Galvanized, Add</i>	54.59	
<i>For Stainless Steel, Add</i>	218.34	
<i>For Seismic Hook And Eye, Add</i>	23.47	
04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)		
04 05 19 13-0186 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	140.96	
<i>For Hot-Dipped Galvanized, Add</i>	36.48	
<i>For Stainless Steel, Add</i>	145.90	
<i>For Seismic Hook And Eye, Add</i>	15.68	
04 05 19 13-0187 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	152.01	
<i>For Hot-Dipped Galvanized, Add</i>	37.36	
<i>For Stainless Steel, Add</i>	149.44	
<i>For Seismic Hook And Eye, Add</i>	16.06	
04 05 19 13-0188 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	159.34	
<i>For Hot-Dipped Galvanized, Add</i>	38.25	
<i>For Stainless Steel, Add</i>	152.98	
<i>For Seismic Hook And Eye, Add</i>	16.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0189 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	166.54	
<i>For Hot-Dipped Galvanized, Add</i>	39.38	
<i>For Stainless Steel, Add</i>	157.50	
<i>For Seismic Hook And Eye, Add</i>	16.93	
04 05 19 13-0190 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	172.02	
<i>For Hot-Dipped Galvanized, Add</i>	40.40	
<i>For Stainless Steel, Add</i>	161.58	
<i>For Seismic Hook And Eye, Add</i>	17.37	
04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	160.79	
<i>For Hot-Dipped Galvanized, Add</i>	46.39	
<i>For Stainless Steel, Add</i>	185.56	
<i>For Seismic Hook And Eye, Add</i>	19.95	
04 05 19 13-0193 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	171.99	
<i>For Hot-Dipped Galvanized, Add</i>	47.35	
<i>For Stainless Steel, Add</i>	189.40	
<i>For Seismic Hook And Eye, Add</i>	20.36	
04 05 19 13-0194 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	179.59	
<i>For Hot-Dipped Galvanized, Add</i>	48.37	
<i>For Stainless Steel, Add</i>	193.48	
<i>For Seismic Hook And Eye, Add</i>	20.80	
04 05 19 13-0195 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	186.18	
<i>For Hot-Dipped Galvanized, Add</i>	49.20	
<i>For Stainless Steel, Add</i>	196.78	
<i>For Seismic Hook And Eye, Add</i>	21.15	
04 05 19 13-0196 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	191.85	
<i>For Hot-Dipped Galvanized, Add</i>	50.31	
<i>For Stainless Steel, Add</i>	201.24	
<i>For Seismic Hook And Eye, Add</i>	21.63	
04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	162.83	
<i>For Hot-Dipped Galvanized, Add</i>	47.41	
<i>For Stainless Steel, Add</i>	189.64	
<i>For Seismic Hook And Eye, Add</i>	20.39	
04 05 19 13-0199 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	175.40	
<i>For Hot-Dipped Galvanized, Add</i>	49.06	
<i>For Stainless Steel, Add</i>	196.22	
<i>For Seismic Hook And Eye, Add</i>	21.09	
04 05 19 13-0200 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	184.24	
<i>For Hot-Dipped Galvanized, Add</i>	50.70	
<i>For Stainless Steel, Add</i>	202.78	
<i>For Seismic Hook And Eye, Add</i>	21.80	
04 05 19 13-0201 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	193.08	
<i>For Hot-Dipped Galvanized, Add</i>	52.65	
<i>For Stainless Steel, Add</i>	210.58	
<i>For Seismic Hook And Eye, Add</i>	22.64	
04 05 19 13-0202 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	200.40	
<i>For Hot-Dipped Galvanized, Add</i>	54.59	
<i>For Stainless Steel, Add</i>	218.34	
<i>For Seismic Hook And Eye, Add</i>	23.47	
04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.55	
<i>For Hot-Dipped Galvanized, Add</i>	14.35	
<i>For Stainless Steel, Add</i>	57.38	
04 05 19 13-0207 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	74.79	
<i>For Hot-Dipped Galvanized, Add</i>	14.50	
<i>For Stainless Steel, Add</i>	58.00	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0208 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	80.10	
For Hot-Dipped Galvanized, Add	15.07	
For Stainless Steel, Add	60.28	
04 05 19 13-0209 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	86.59	
For Hot-Dipped Galvanized, Add	15.82	
For Stainless Steel, Add	63.26	
04 05 19 13-0210 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.37	
For Hot-Dipped Galvanized, Add	16.65	
For Stainless Steel, Add	66.60	
04 05 19 13-0211 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.15	
For Hot-Dipped Galvanized, Add	17.10	
For Stainless Steel, Add	68.40	
04 05 19 13-0212 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.20	
For Hot-Dipped Galvanized, Add	17.75	
For Stainless Steel, Add	71.00	
04 05 19 13-0213 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.50	
For Hot-Dipped Galvanized, Add	24.94	
For Stainless Steel, Add	99.74	
04 05 19 13-0214 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.74	
For Hot-Dipped Galvanized, Add	26.36	
For Stainless Steel, Add	105.44	
04 05 19 13-0215 CLF #20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.73	
For Hot-Dipped Galvanized, Add	45.60	
For Stainless Steel, Add	182.40	
04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0217 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.65	
For Hot-Dipped Galvanized, Add	19.89	
For Stainless Steel, Add	79.56	
04 05 19 13-0218 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	86.12	
For Hot-Dipped Galvanized, Add	20.17	
For Stainless Steel, Add	80.66	
04 05 19 13-0219 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	91.44	
For Hot-Dipped Galvanized, Add	20.74	
For Stainless Steel, Add	82.96	
04 05 19 13-0220 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	97.90	
For Hot-Dipped Galvanized, Add	21.47	
For Stainless Steel, Add	85.88	
04 05 19 13-0221 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.52	
For Hot-Dipped Galvanized, Add	22.23	
For Stainless Steel, Add	88.90	
04 05 19 13-0222 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.44	
For Hot-Dipped Galvanized, Add	22.76	
For Stainless Steel, Add	91.02	
04 05 19 13-0223 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.32	
For Hot-Dipped Galvanized, Add	23.31	
For Stainless Steel, Add	93.24	
04 05 19 13-0224 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.44	
For Hot-Dipped Galvanized, Add	32.41	
For Stainless Steel, Add	129.62	
04 05 19 13-0225 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.68	
For Hot-Dipped Galvanized, Add	33.83	
For Stainless Steel, Add	135.32	
04 05 19 13-0226 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	205.84	
For Hot-Dipped Galvanized, Add	63.91	
For Stainless Steel, Add	255.64	
04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0228 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.62	
For Hot-Dipped Galvanized, Add	28.38	
For Stainless Steel, Add	113.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 05 19 13-0229	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	103.63 28.73 114.92	
	04 05 19 13-0230	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	109.03 29.79 119.14	
	04 05 19 13-0231	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	117.41 31.23 124.90	
	04 05 19 13-0232	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	126.51 33.03 132.10	
	04 05 19 13-0233	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	133.64 33.85 135.38	
	04 05 19 13-0234	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	138.83 35.07 140.26	
	04 05 19 13-0235	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	172.09 49.23 196.90	
	04 05 19 13-0236	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	182.06 52.01 208.04	
	04 05 19 13-0237	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	263.39 89.93 359.72	
04 05 19 13-0238				Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
	04 05 19 13-0239	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	88.92 23.03 92.10	
	04 05 19 13-0240	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	92.86 23.53 94.12	
	04 05 19 13-0241	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	98.17 24.11 96.42	
	04 05 19 13-0242	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	104.47 24.76 99.02	
	04 05 19 13-0243	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	111.84 25.39 101.54	
	04 05 19 13-0244	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	117.34 25.70 102.78	
	04 05 19 13-0245	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	121.33 26.05 104.20	
	04 05 19 13-0246	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	135.60 30.98 123.92	
04 05 19 13-0247				Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
	04 05 19 13-0248	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	100.14 28.64 114.54	
	04 05 19 13-0249	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	104.22 29.21 116.84	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	109.64	
		<i>For Hot-Dipped Galvanized, Add</i>	29.84	
		<i>For Stainless Steel, Add</i>	119.36	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.82	
		<i>For Hot-Dipped Galvanized, Add</i>	30.43	
		<i>For Stainless Steel, Add</i>	121.72	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.17	
		<i>For Hot-Dipped Galvanized, Add</i>	31.05	
		<i>For Stainless Steel, Add</i>	124.20	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.71	
		<i>For Hot-Dipped Galvanized, Add</i>	31.39	
		<i>For Stainless Steel, Add</i>	125.56	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.64	
		<i>For Hot-Dipped Galvanized, Add</i>	31.70	
		<i>For Stainless Steel, Add</i>	126.80	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.51	
		<i>For Hot-Dipped Galvanized, Add</i>	38.44	
		<i>For Stainless Steel, Add</i>	153.76	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.32	
		<i>For Hot-Dipped Galvanized, Add</i>	53.65	
		<i>For Stainless Steel, Add</i>	214.60	
04 05 19 13-0257		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.99	
		<i>For Hot-Dipped Galvanized, Add</i>	34.06	
		<i>For Stainless Steel, Add</i>	136.24	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.62	
		<i>For Hot-Dipped Galvanized, Add</i>	35.23	
		<i>For Stainless Steel, Add</i>	140.90	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.24	
		<i>For Hot-Dipped Galvanized, Add</i>	36.39	
		<i>For Stainless Steel, Add</i>	145.56	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.52	
		<i>For Hot-Dipped Galvanized, Add</i>	37.78	
		<i>For Stainless Steel, Add</i>	151.12	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.79	
		<i>For Hot-Dipped Galvanized, Add</i>	39.17	
		<i>For Stainless Steel, Add</i>	156.66	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.76	
		<i>For Hot-Dipped Galvanized, Add</i>	39.91	
		<i>For Stainless Steel, Add</i>	159.62	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.77	
		<i>For Hot-Dipped Galvanized, Add</i>	40.54	
		<i>For Stainless Steel, Add</i>	162.14	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.25	
		<i>For Hot-Dipped Galvanized, Add</i>	41.81	
		<i>For Stainless Steel, Add</i>	167.22	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	199.89	
		<i>For Hot-Dipped Galvanized, Add</i>	60.93	
		<i>For Stainless Steel, Add</i>	243.70	
04 05 19 13-0267		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.74	
		<i>For Hot-Dipped Galvanized, Add</i>	35.94	
		<i>For Stainless Steel, Add</i>	143.74	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.67	
		<i>For Hot-Dipped Galvanized, Add</i>	36.44	
		<i>For Stainless Steel, Add</i>	145.74	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.98	
		<i>For Hot-Dipped Galvanized, Add</i>	37.01	
		<i>For Stainless Steel, Add</i>	148.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.28	
<i>For Hot-Dipped Galvanized, Add</i>	37.66	
<i>For Stainless Steel, Add</i>	150.64	
04 05 19 13-0272 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.66	
<i>For Hot-Dipped Galvanized, Add</i>	38.30	
<i>For Stainless Steel, Add</i>	153.18	
04 05 19 13-0273 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.16	
<i>For Hot-Dipped Galvanized, Add</i>	38.61	
<i>For Stainless Steel, Add</i>	154.42	
04 05 19 13-0274 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.15	
<i>For Hot-Dipped Galvanized, Add</i>	38.96	
<i>For Stainless Steel, Add</i>	155.84	
04 05 19 13-0275 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.41	
<i>For Hot-Dipped Galvanized, Add</i>	43.89	
<i>For Stainless Steel, Add</i>	175.54	
04 05 19 13-0276 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.54	
<i>For Hot-Dipped Galvanized, Add</i>	53.76	
<i>For Stainless Steel, Add</i>	215.02	
04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.95	
<i>For Hot-Dipped Galvanized, Add</i>	41.54	
<i>For Stainless Steel, Add</i>	166.16	
04 05 19 13-0279 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.03	
<i>For Hot-Dipped Galvanized, Add</i>	42.12	
<i>For Stainless Steel, Add</i>	168.46	
04 05 19 13-0280 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.46	
<i>For Hot-Dipped Galvanized, Add</i>	42.75	
<i>For Stainless Steel, Add</i>	171.00	
04 05 19 13-0281 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.64	
<i>For Hot-Dipped Galvanized, Add</i>	43.34	
<i>For Stainless Steel, Add</i>	173.36	
04 05 19 13-0282 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.99	
<i>For Hot-Dipped Galvanized, Add</i>	43.96	
<i>For Stainless Steel, Add</i>	175.84	
04 05 19 13-0283 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.53	
<i>For Hot-Dipped Galvanized, Add</i>	44.30	
<i>For Stainless Steel, Add</i>	177.20	
04 05 19 13-0284 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.46	
<i>For Hot-Dipped Galvanized, Add</i>	44.61	
<i>For Stainless Steel, Add</i>	178.44	
04 05 19 13-0285 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	176.33	
<i>For Hot-Dipped Galvanized, Add</i>	51.35	
<i>For Stainless Steel, Add</i>	205.40	
04 05 19 13-0286 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	211.14	
<i>For Hot-Dipped Galvanized, Add</i>	66.56	
<i>For Stainless Steel, Add</i>	266.24	
04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0288 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.81	
<i>For Hot-Dipped Galvanized, Add</i>	46.97	
<i>For Stainless Steel, Add</i>	187.88	
04 05 19 13-0289 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.44	
<i>For Hot-Dipped Galvanized, Add</i>	48.14	
<i>For Stainless Steel, Add</i>	192.54	
04 05 19 13-0290 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.06	
<i>For Hot-Dipped Galvanized, Add</i>	49.30	
<i>For Stainless Steel, Add</i>	197.20	
04 05 19 13-0291 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.33	
<i>For Hot-Dipped Galvanized, Add</i>	50.69	
<i>For Stainless Steel, Add</i>	202.74	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.61	
For Hot-Dipped Galvanized, Add	52.08	
For Stainless Steel, Add	208.30	
04 05 19 13-0293 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.57	
For Hot-Dipped Galvanized, Add	52.81	
For Stainless Steel, Add	211.24	
04 05 19 13-0294 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	175.59	
For Hot-Dipped Galvanized, Add	53.45	
For Stainless Steel, Add	213.78	
04 05 19 13-0295 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.07	
For Hot-Dipped Galvanized, Add	54.72	
For Stainless Steel, Add	218.86	
04 05 19 13-0296 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	225.70	
For Hot-Dipped Galvanized, Add	73.83	
For Stainless Steel, Add	295.32	
04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0299 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	100.60	
For Hot-Dipped Galvanized, Add	22.48	
For Stainless Steel, Add	89.90	
04 05 19 13-0300 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	108.95	
For Hot-Dipped Galvanized, Add	23.56	
For Stainless Steel, Add	94.24	
04 05 19 13-0301 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	117.88	
For Hot-Dipped Galvanized, Add	24.94	
For Stainless Steel, Add	99.74	
04 05 19 13-0302 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	125.96	
For Hot-Dipped Galvanized, Add	25.88	
For Stainless Steel, Add	103.52	
04 05 19 13-0303 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	130.63	
For Hot-Dipped Galvanized, Add	26.67	
For Stainless Steel, Add	106.68	
04 05 19 13-0304 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	140.00	
For Hot-Dipped Galvanized, Add	28.58	
For Stainless Steel, Add	114.30	
04 05 19 13-0305 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	148.75	
For Hot-Dipped Galvanized, Add	30.48	
For Stainless Steel, Add	121.92	
04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0307 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	114.60	
For Hot-Dipped Galvanized, Add	29.48	
For Stainless Steel, Add	117.90	
04 05 19 13-0308 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	122.98	
For Hot-Dipped Galvanized, Add	30.58	
For Stainless Steel, Add	122.30	
04 05 19 13-0309 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	131.86	
For Hot-Dipped Galvanized, Add	31.93	
For Stainless Steel, Add	127.70	
04 05 19 13-0310 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	139.97	
For Hot-Dipped Galvanized, Add	32.89	
For Stainless Steel, Add	131.54	
04 05 19 13-0311 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	144.54	
For Hot-Dipped Galvanized, Add	33.63	
For Stainless Steel, Add	134.50	
04 05 19 13-0312 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	153.94	
For Hot-Dipped Galvanized, Add	35.55	
For Stainless Steel, Add	142.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	162.76	
<i>For Hot-Dipped Galvanized, Add</i>	37.49	
<i>For Stainless Steel, Add</i>	149.94	
04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0315 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	127.58	
<i>For Hot-Dipped Galvanized, Add</i>	35.97	
<i>For Stainless Steel, Add</i>	143.86	
04 05 19 13-0316 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	137.17	
<i>For Hot-Dipped Galvanized, Add</i>	37.67	
<i>For Stainless Steel, Add</i>	150.68	
04 05 19 13-0317 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	148.03	
<i>For Hot-Dipped Galvanized, Add</i>	40.01	
<i>For Stainless Steel, Add</i>	160.04	
04 05 19 13-0318 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	156.76	
<i>For Hot-Dipped Galvanized, Add</i>	41.28	
<i>For Stainless Steel, Add</i>	165.12	
04 05 19 13-0319 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	162.39	
<i>For Hot-Dipped Galvanized, Add</i>	42.55	
<i>For Stainless Steel, Add</i>	170.20	
04 05 19 13-0320 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	173.68	
<i>For Hot-Dipped Galvanized, Add</i>	45.42	
<i>For Stainless Steel, Add</i>	181.66	
04 05 19 13-0321 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	183.36	
<i>For Hot-Dipped Galvanized, Add</i>	47.79	
<i>For Stainless Steel, Add</i>	191.14	
04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	144.25	
<i>For Hot-Dipped Galvanized, Add</i>	44.30	
<i>For Stainless Steel, Add</i>	177.20	
04 05 19 13-0325 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	151.05	
<i>For Hot-Dipped Galvanized, Add</i>	44.61	
<i>For Stainless Steel, Add</i>	178.44	
04 05 19 13-0326 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	159.40	
<i>For Hot-Dipped Galvanized, Add</i>	45.70	
<i>For Stainless Steel, Add</i>	182.78	
04 05 19 13-0327 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	171.56	
<i>For Hot-Dipped Galvanized, Add</i>	47.14	
<i>For Stainless Steel, Add</i>	188.54	
04 05 19 13-0328 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	180.52	
<i>For Hot-Dipped Galvanized, Add</i>	48.84	
<i>For Stainless Steel, Add</i>	195.34	
04 05 19 13-0329 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	189.62	
<i>For Hot-Dipped Galvanized, Add</i>	50.92	
<i>For Stainless Steel, Add</i>	203.66	
04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	165.90	
<i>For Hot-Dipped Galvanized, Add</i>	55.13	
<i>For Stainless Steel, Add</i>	220.50	
04 05 19 13-0332 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	173.01	
<i>For Hot-Dipped Galvanized, Add</i>	55.59	
<i>For Stainless Steel, Add</i>	222.36	
04 05 19 13-0333 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	181.36	
<i>For Hot-Dipped Galvanized, Add</i>	56.68	
<i>For Stainless Steel, Add</i>	226.70	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	193.46	
		<i>For Hot-Dipped Galvanized, Add</i>	58.09	
		<i>For Stainless Steel, Add</i>	232.34	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	202.15	
		<i>For Hot-Dipped Galvanized, Add</i>	59.65	
		<i>For Stainless Steel, Add</i>	238.60	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	210.25	
		<i>For Hot-Dipped Galvanized, Add</i>	61.23	
		<i>For Stainless Steel, Add</i>	244.92	
04 05 19 13-0337		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	177.77	
		<i>For Hot-Dipped Galvanized, Add</i>	61.06	
		<i>For Stainless Steel, Add</i>	244.24	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	184.88	
		<i>For Hot-Dipped Galvanized, Add</i>	61.53	
		<i>For Stainless Steel, Add</i>	246.10	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	194.46	
		<i>For Hot-Dipped Galvanized, Add</i>	63.23	
		<i>For Stainless Steel, Add</i>	252.90	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	208.20	
		<i>For Hot-Dipped Galvanized, Add</i>	65.46	
		<i>For Stainless Steel, Add</i>	261.82	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	219.40	
		<i>For Hot-Dipped Galvanized, Add</i>	68.28	
		<i>For Stainless Steel, Add</i>	273.10	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	230.60	
		<i>For Hot-Dipped Galvanized, Add</i>	71.41	
		<i>For Stainless Steel, Add</i>	285.62	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	154.55	
		<i>For Hot-Dipped Galvanized, Add</i>	46.36	
		<i>For Stainless Steel, Add</i>	185.44	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	161.38	
		<i>For Hot-Dipped Galvanized, Add</i>	46.69	
		<i>For Stainless Steel, Add</i>	186.74	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	172.76	
		<i>For Hot-Dipped Galvanized, Add</i>	47.74	
		<i>For Stainless Steel, Add</i>	190.94	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	181.17	
		<i>For Hot-Dipped Galvanized, Add</i>	49.16	
		<i>For Stainless Steel, Add</i>	196.64	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	189.58	
		<i>For Hot-Dipped Galvanized, Add</i>	50.90	
		<i>For Stainless Steel, Add</i>	203.58	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	196.56	
		<i>For Hot-Dipped Galvanized, Add</i>	52.67	
		<i>For Stainless Steel, Add</i>	210.66	
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	176.14	
		<i>For Hot-Dipped Galvanized, Add</i>	57.16	
		<i>For Stainless Steel, Add</i>	228.62	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	183.25	
		<i>For Hot-Dipped Galvanized, Add</i>	57.62	
		<i>For Stainless Steel, Add</i>	230.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	194.70	
<i>For Hot-Dipped Galvanized, Add</i>	58.71	
<i>For Stainless Steel, Add</i>	234.82	
04 05 19 13-0356 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	203.11	
<i>For Hot-Dipped Galvanized, Add</i>	60.13	
<i>For Stainless Steel, Add</i>	240.52	
04 05 19 13-0357 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	211.18	
<i>For Hot-Dipped Galvanized, Add</i>	61.70	
<i>For Stainless Steel, Add</i>	246.78	
04 05 19 13-0358 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	218.33	
<i>For Hot-Dipped Galvanized, Add</i>	63.55	
<i>For Stainless Steel, Add</i>	254.20	
04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	188.03	
<i>For Hot-Dipped Galvanized, Add</i>	63.10	
<i>For Stainless Steel, Add</i>	252.40	
04 05 19 13-0361 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	195.11	
<i>For Hot-Dipped Galvanized, Add</i>	63.55	
<i>For Stainless Steel, Add</i>	254.20	
04 05 19 13-0362 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	207.86	
<i>For Hot-Dipped Galvanized, Add</i>	65.29	
<i>For Stainless Steel, Add</i>	261.14	
04 05 19 13-0363 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	217.85	
<i>For Hot-Dipped Galvanized, Add</i>	67.50	
<i>For Stainless Steel, Add</i>	270.00	
04 05 19 13-0364 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	228.40	
<i>For Hot-Dipped Galvanized, Add</i>	70.31	
<i>For Stainless Steel, Add</i>	281.22	
04 05 19 13-0365 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	236.11	
<i>For Hot-Dipped Galvanized, Add</i>	72.44	
<i>For Stainless Steel, Add</i>	289.76	
04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	146.21	
<i>For Hot-Dipped Galvanized, Add</i>	42.19	
<i>For Stainless Steel, Add</i>	168.76	
<i>For Seismic Hook And Eye, Add</i>	18.14	
04 05 19 13-0369 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	152.98	
<i>For Hot-Dipped Galvanized, Add</i>	42.49	
<i>For Stainless Steel, Add</i>	169.94	
<i>For Seismic Hook And Eye, Add</i>	18.27	
04 05 19 13-0370 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.09	
<i>For Hot-Dipped Galvanized, Add</i>	43.40	
<i>For Stainless Steel, Add</i>	173.60	
<i>For Seismic Hook And Eye, Add</i>	18.66	
04 05 19 13-0371 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.28	
<i>For Hot-Dipped Galvanized, Add</i>	44.72	
<i>For Stainless Steel, Add</i>	178.86	
<i>For Seismic Hook And Eye, Add</i>	19.23	
04 05 19 13-0372 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	179.95	
<i>For Hot-Dipped Galvanized, Add</i>	46.08	
<i>For Stainless Steel, Add</i>	184.32	
<i>For Seismic Hook And Eye, Add</i>	19.81	
04 05 19 13-0373 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.74	
<i>For Hot-Dipped Galvanized, Add</i>	47.76	
<i>For Stainless Steel, Add</i>	191.02	
<i>For Seismic Hook And Eye, Add</i>	20.53	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.10	
	For Hot-Dipped Galvanized, Add	52.14	
	For Stainless Steel, Add	208.54	
	For Seismic Hook And Eye, Add	22.42	
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	173.09	
	For Hot-Dipped Galvanized, Add	52.54	
	For Stainless Steel, Add	210.16	
	For Seismic Hook And Eye, Add	22.59	
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	184.04	
	For Hot-Dipped Galvanized, Add	53.38	
	For Stainless Steel, Add	213.50	
	For Seismic Hook And Eye, Add	22.95	
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	192.11	
	For Hot-Dipped Galvanized, Add	54.63	
	For Stainless Steel, Add	218.52	
	For Seismic Hook And Eye, Add	23.49	
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	199.75	
	For Hot-Dipped Galvanized, Add	55.98	
	For Stainless Steel, Add	223.92	
	For Seismic Hook And Eye, Add	24.07	
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	206.16	
	For Hot-Dipped Galvanized, Add	57.47	
	For Stainless Steel, Add	229.86	
	For Seismic Hook And Eye, Add	24.71	
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	178.12	
	For Hot-Dipped Galvanized, Add	58.15	
	For Stainless Steel, Add	232.58	
	For Seismic Hook And Eye, Add	25.00	
04 05 19 13-0383	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	185.20	
	For Hot-Dipped Galvanized, Add	58.60	
	For Stainless Steel, Add	234.38	
	For Seismic Hook And Eye, Add	25.20	
04 05 19 13-0384	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	197.73	
	For Hot-Dipped Galvanized, Add	60.22	
	For Stainless Steel, Add	240.88	
	For Seismic Hook And Eye, Add	25.89	
04 05 19 13-0385	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	207.54	
	For Hot-Dipped Galvanized, Add	62.35	
	For Stainless Steel, Add	249.38	
	For Seismic Hook And Eye, Add	26.81	
04 05 19 13-0386	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	217.84	
	For Hot-Dipped Galvanized, Add	65.03	
	For Stainless Steel, Add	260.10	
	For Seismic Hook And Eye, Add	27.96	
04 05 19 13-0387	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	227.22	
	For Hot-Dipped Galvanized, Add	68.00	
	For Stainless Steel, Add	271.98	
	For Seismic Hook And Eye, Add	29.24	
04 05 19 13-0388	Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0389	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall <small>(04 05 19 13-0388)</small>		
04 05 19 13-0390	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	156.36	
	For Hot-Dipped Galvanized, Add	44.18	
	For Stainless Steel, Add	176.70	
	For Seismic Hook And Eye, Add	19.00	
04 05 19 13-0391	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	166.26	
	For Hot-Dipped Galvanized, Add	44.49	
	For Stainless Steel, Add	177.94	
	For Seismic Hook And Eye, Add	19.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	173.77	
<i>For Hot-Dipped Galvanized, Add</i>	45.46	
<i>For Stainless Steel, Add</i>	181.84	
<i>For Seismic Hook And Eye, Add</i>	19.55	
04 05 19 13-0393 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	181.50	
<i>For Hot-Dipped Galvanized, Add</i>	46.86	
<i>For Stainless Steel, Add</i>	187.42	
<i>For Seismic Hook And Eye, Add</i>	20.15	
04 05 19 13-0394 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	188.16	
<i>For Hot-Dipped Galvanized, Add</i>	48.47	
<i>For Stainless Steel, Add</i>	193.86	
<i>For Seismic Hook And Eye, Add</i>	20.84	
04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	177.80	
<i>For Hot-Dipped Galvanized, Add</i>	54.90	
<i>For Stainless Steel, Add</i>	219.58	
<i>For Seismic Hook And Eye, Add</i>	23.60	
04 05 19 13-0397 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	187.76	
<i>For Hot-Dipped Galvanized, Add</i>	55.24	
<i>For Stainless Steel, Add</i>	220.94	
<i>For Seismic Hook And Eye, Add</i>	23.75	
04 05 19 13-0398 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	195.21	
<i>For Hot-Dipped Galvanized, Add</i>	56.18	
<i>For Stainless Steel, Add</i>	224.72	
<i>For Seismic Hook And Eye, Add</i>	24.16	
04 05 19 13-0399 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	202.69	
<i>For Hot-Dipped Galvanized, Add</i>	57.45	
<i>For Stainless Steel, Add</i>	229.80	
<i>For Seismic Hook And Eye, Add</i>	24.70	
04 05 19 13-0400 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	208.73	
<i>For Hot-Dipped Galvanized, Add</i>	58.75	
<i>For Stainless Steel, Add</i>	235.00	
<i>For Seismic Hook And Eye, Add</i>	25.26	
04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	188.21	
<i>For Hot-Dipped Galvanized, Add</i>	60.10	
<i>For Stainless Steel, Add</i>	240.40	
<i>For Seismic Hook And Eye, Add</i>	25.84	
04 05 19 13-0403 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	198.35	
<i>For Hot-Dipped Galvanized, Add</i>	60.53	
<i>For Stainless Steel, Add</i>	242.12	
<i>For Seismic Hook And Eye, Add</i>	26.03	
04 05 19 13-0404 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	207.20	
<i>For Hot-Dipped Galvanized, Add</i>	62.18	
<i>For Stainless Steel, Add</i>	248.70	
<i>For Seismic Hook And Eye, Add</i>	26.74	
04 05 19 13-0405 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	216.35	
<i>For Hot-Dipped Galvanized, Add</i>	64.28	
<i>For Stainless Steel, Add</i>	257.12	
<i>For Seismic Hook And Eye, Add</i>	27.64	
04 05 19 13-0406 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	225.15	
<i>For Hot-Dipped Galvanized, Add</i>	66.96	
<i>For Stainless Steel, Add</i>	267.84	
<i>For Seismic Hook And Eye, Add</i>	28.79	
04 05 19 16 Masonry Anchors <small>(04 05 19)</small>		
04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
04 05 19 16-0003 EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.53	
04 05 19 16-0004 EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.64	
04 05 19 16-0005 EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.75	
04 05 19 16-0006 EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.88	
04 05 19 16-0007 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.01	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008 EA 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.75	
04 05 19 16-0009 EA 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.88	
04 05 19 16-0010 EA 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.01	
04 05 19 16-0011 EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.14	
04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0013 EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.34	
04 05 19 16-0014 EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.38	
04 05 19 16-0015 EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.43	
04 05 19 16-0016 EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.50	
04 05 19 16-0017 EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.57	
04 05 19 16-0018 EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.43	
04 05 19 16-0019 EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.50	
04 05 19 16-0020 EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.57	
04 05 19 16-0021 EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.65	
04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0023 Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0024 EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.34	
04 05 19 16-0025 EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.41	
04 05 19 16-0026 EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.60	
04 05 19 16-0027 EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.69	
04 05 19 16-0028 EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.71	
04 05 19 16-0029 EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.83	
04 05 19 16-0030 EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.98	
04 05 19 16-0031 EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	2.07	
04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0033 EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.20	
04 05 19 16-0034 EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.22	
04 05 19 16-0035 EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.37	
04 05 19 16-0036 EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.41	
04 05 19 16-0037 EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.42	
04 05 19 16-0038 EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.50	
04 05 19 16-0039 EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.57	
04 05 19 16-0040 EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.67	
04 05 19 16-0041 Wire Beam Ties (04 05 19 16)		
04 05 19 16-0042 Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0043 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.87	
04 05 19 16-0044 EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.92	
04 05 19 16-0045 EA 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.96	
04 05 19 16-0046 EA 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.01	
04 05 19 16-0047 EA 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.10	
04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0049 EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.26	
04 05 19 16-0050 EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.37	
04 05 19 16-0051 EA 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.49	
04 05 19 16-0052 EA 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.54	
04 05 19 16-0053 EA 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.63	
04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0055 Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0056 EA 6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.10	
04 05 19 16-0057 EA 7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.20	
04 05 19 16-0058 EA 8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.23	
04 05 19 16-0059 EA 9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.32	
04 05 19 16-0060 EA 10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.35	
04 05 19 16-0061 Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0062 EA 6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.75	
04 05 19 16-0063 EA 7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.81	
04 05 19 16-0064 EA 8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.84	
04 05 19 16-0065 EA 9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.89	
04 05 19 16-0066 EA 10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.91	
04 05 19 16-0067 Corrugated Buck (Brick) Anchors (04 05 19 16)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

04 05 19 16-0068	Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors <small>(04 05 19 16-0067)</small>	
04 05 19 16-0069	EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.59
04 05 19 16-0070	EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.70
04 05 19 16-0071	EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.80
04 05 19 16-0072	EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.91
04 05 19 16-0073	EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	3.02
04 05 19 16-0074	EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.68
04 05 19 16-0075	EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.80
04 05 19 16-0076	EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.91
04 05 19 16-0077	EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	3.03
04 05 19 16-0078	EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	3.15

04 05 19 16-0079	Mill Galvanized, Corrugated Buck (Brick) Anchors <small>(04 05 19 16-0067)</small>	
04 05 19 16-0080	EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.21
04 05 19 16-0081	EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.29
04 05 19 16-0082	EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.36
04 05 19 16-0083	EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.44
04 05 19 16-0084	EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.52
04 05 19 16-0085	EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.28
04 05 19 16-0086	EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.36
04 05 19 16-0087	EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.45
04 05 19 16-0088	EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.53
04 05 19 16-0089	EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.62

04 05 19 16-0090	Corrugated Wall Ties <small>(04 05 19 16)</small>	
-------------------------	--	--

04 05 19 16-0091	Hot-Dipped Galvanized, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>	
04 05 19 16-0092	EA 7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.19
04 05 19 16-0093	EA 7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.28
04 05 19 16-0094	EA 7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.32
04 05 19 16-0095	EA 7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.35
04 05 19 16-0096	EA 7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.65

04 05 19 16-0097	Mill Galvanized, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>	
04 05 19 16-0098	EA 7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.23
04 05 19 16-0099	EA 7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.25
04 05 19 16-0100	EA 7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.28
04 05 19 16-0101	EA 7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.51

04 05 19 16-0102	Stainless Steel, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>	
04 05 19 16-0103	EA 7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.50
04 05 19 16-0104	EA 7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.56
04 05 19 16-0105	EA 7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.63
04 05 19 16-0106	EA 7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.69
04 05 19 16-0107	EA 7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	2.02

04 05 19 16-0108	Wire Mesh Wall Ties <small>(04 05 19 16)</small>	
Note: 1/2" square mesh.		
04 05 19 16-0109	EA 3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.52
04 05 19 16-0110	EA 3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.11
04 05 19 16-0111	EA 6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.72
04 05 19 16-0112	EA 6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.84
04 05 19 16-0113	EA 10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.48
04 05 19 16-0114	EA 10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	5.62

04 05 19 16-0115	Triangle Brick Ties <small>(04 05 19 16)</small>	
-------------------------	---	--

04 05 19 16-0116	Hot-Dipped Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>	
04 05 19 16-0117	EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.22
04 05 19 16-0118	EA 3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.27
04 05 19 16-0119	EA 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.32
04 05 19 16-0120	EA 4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.41
04 05 19 16-0121	EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.46
04 05 19 16-0122	EA 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.60
04 05 19 16-0123	EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.70
04 05 19 16-0124	EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.93
04 05 19 16-0125	EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.71
04 05 19 16-0126	EA 3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.74
04 05 19 16-0127	EA 4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.78
04 05 19 16-0128	EA 4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.86
04 05 19 16-0129	EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.90
04 05 19 16-0130	EA 6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	3.03
04 05 19 16-0131	EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	3.11
04 05 19 16-0132	EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	3.35



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>	
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.99
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.00
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.02
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.09
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.10
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.19
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.22
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.30
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.27
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.30
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.33
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.41
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.43
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.53
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.58
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.72
04 05 19 16-0150		Seismic Veneer Anchors <small>(04 05 19 16)</small>	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor.....	6.25
			Note: For horizontal wire attachment. Excludes wire.
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors <small>(04 05 19 16)</small>	
			Note: For restraining lateral movement at control joints. Field bendable.
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor.....	8.10
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor.....	8.80
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor.....	6.25
04 05 19 16-0156		Strap Partition Top Anchors <small>(04 05 19 16)</small>	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor.....	4.57
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor.....	6.57
04 05 19 16-0159		Rigid Partition Anchors <small>(04 05 19 16)</small>	
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.29
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.59
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.96
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.30
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.63
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.97
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.64
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.71
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	6.79
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	7.87
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	8.94
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	10.02
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.99
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.25
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.52
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.78
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.04
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.30
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates <small>(04 05 19 16)</small>	
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	2.10
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	2.22
04 05 19 16-0183		Wire Column Ties <small>(04 05 19 16)</small>	
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties <small>(04 05 19 16-0183)</small>	
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.57
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.75
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.88
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.06
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.72
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.88
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.99
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.11



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.51	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.82	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.03	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.32	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.82	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.03	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.21	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.41	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties <small>(04 05 19 16-0183)</small>		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.25	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.36	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.43	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.54	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.30	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.41	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.48	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.57	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.95	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.15	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.24	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.44	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.86	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.20	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.33	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.44	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties <small>(04 05 19 16)</small>		
04 05 19 16-0219		Dovetail Anchor Slots <small>(04 05 19 16-0218)</small>		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.94	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.47	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.78	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.93	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	6.29	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.89	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.56	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.71	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.94	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	5.09	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.45	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.89	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.04	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.54	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	6.02	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.79	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.13	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.46	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.89	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.14	
04 05 19 16-0244		Dovetail Corrugated Brick Ties <small>(04 05 19 16-0218)</small>		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie <small>(04 05 19 16-0244)</small>		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.59	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.76	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.92	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.62	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.94	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.18	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.71	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.93	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.15	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie <small>(04 05 19 16-0244)</small>		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.43	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0257 EA 5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.53	
04 05 19 16-0258 EA 7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.64	
04 05 19 16-0259 EA 3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.51	
04 05 19 16-0260 EA 5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.72	
04 05 19 16-0261 EA 7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.89	
04 05 19 16-0262 EA 3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.55	
04 05 19 16-0263 EA 5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.80	
04 05 19 16-0264 EA 7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.97	
04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)		
04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)		
04 05 19 16-0267 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.95	
04 05 19 16-0268 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.12	
04 05 19 16-0269 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.30	
04 05 19 16-0270 Dovetail Partition Top Anchors (04 05 19 16-0218)		
04 05 19 16-0271 EA 3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	4.76	
04 05 19 16-0272 EA 3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	7.09	
04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)		
04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0275 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.94	
04 05 19 16-0276 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.16	
04 05 19 16-0277 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.31	
04 05 19 16-0278 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.47	
04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0280 EA 3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.62	
04 05 19 16-0281 EA 5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.64	
04 05 19 16-0282 EA 7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.74	
04 05 19 16-0283 EA 9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.99	
04 05 19 16-0284 Dowel Or Hairpin, Drill And Epoxy Into Brick (04 05 19 16)		
04 05 19 16-0285 EA Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick.....	30.30	
04 05 19 16-0286 EA Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick.....	31.65	
04 05 19 26 Masonry Reinforcing Bars (04 05 19)		
Note: Includes cutting and bending.		
04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0002 LF #3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.99	
04 05 19 26-0003 LF #4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.61	
04 05 19 26-0004 LF #5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.26	
04 05 19 26-0005 LF #6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.94	
04 05 19 26-0006 LF #3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.00	
04 05 19 26-0007 LF #4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.63	
04 05 19 26-0008 LF #5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.30	
04 05 19 26-0009 LF #6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.99	
04 05 19 26-0010 LF #3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.02	
04 05 19 26-0011 LF #4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.67	
04 05 19 26-0012 LF #5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.35	
04 05 19 26-0013 LF #6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.07	
04 05 19 26-0014 LF #3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.17	
04 05 19 26-0015 LF #4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.89	
04 05 19 26-0016 LF #5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.65	
04 05 19 26-0017 LF #6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.41	
04 05 19 26-0018 LF #3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.18	
04 05 19 26-0019 LF #4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.91	
04 05 19 26-0020 LF #5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.69	
04 05 19 26-0021 LF #6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.46	
04 05 19 26-0022 LF #3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0023 LF #4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.95	
04 05 19 26-0024 LF #5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.74	
04 05 19 26-0025 LF #6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.54	
04 05 19 26-0026 Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0027 LF #3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.12	
04 05 19 26-0028 LF #4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.85	
04 05 19 26-0029 LF #5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.63	
04 05 19 26-0030 LF #6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.47	
04 05 19 26-0031 LF #3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.14	
04 05 19 26-0032 LF #4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0033 LF #5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.67	
04 05 19 26-0034 LF #6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.52	
04 05 19 26-0035 LF #3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.16	
04 05 19 26-0036 LF #4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.91	
04 05 19 26-0037 LF #5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.72	
04 05 19 26-0038 LF #6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.60	
04 05 19 26-0039 LF #3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.30	
04 05 19 26-0040 LF #4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.13	
04 05 19 26-0041 LF #5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.02	
04 05 19 26-0042 LF #6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.94	
04 05 19 26-0043 LF #3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.32	
04 05 19 26-0044 LF #4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.15	
04 05 19 26-0045 LF #5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.06	
04 05 19 26-0046 LF #6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.99	
04 05 19 26-0047 LF #3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0048 LF #4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0049 LF #5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.11	
04 05 19 26-0050 LF #6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.07	
04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0052 LF #3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.11	
04 05 19 26-0053 LF #4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.82	
04 05 19 26-0054 LF #5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.59	
04 05 19 26-0055 LF #6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.41	
04 05 19 26-0056 LF #3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.12	
04 05 19 26-0057 LF #4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.85	
04 05 19 26-0058 LF #5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.63	
04 05 19 26-0059 LF #6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.46	
04 05 19 26-0060 LF #3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.14	
04 05 19 26-0061 LF #4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.88	
04 05 19 26-0062 LF #5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.68	
04 05 19 26-0063 LF #6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.54	
04 05 19 26-0064 LF #3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.29	
04 05 19 26-0065 LF #4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.10	
04 05 19 26-0066 LF #5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.98	
04 05 19 26-0067 LF #6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.88	
04 05 19 26-0068 LF #3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.30	
04 05 19 26-0069 LF #4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.13	
04 05 19 26-0070 LF #5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.02	
04 05 19 26-0071 LF #6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.93	
04 05 19 26-0072 LF #3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.32	
04 05 19 26-0073 LF #4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.16	
04 05 19 26-0074 LF #5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.07	
04 05 19 26-0075 LF #6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	4.01	
04 05 23 Masonry Accessories (04 05)		
04 05 23 13 Masonry Control and Expansion Joints (04 05 23)		
04 05 23 13-0001 Masonry Control Joints (04 05 23 13)		
04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0003 LF 1-5/8" Width, T-Style, Rubber, Masonry Control Joint	7.47	1.09
04 05 23 13-0004 LF 2-5/8" Width, Rubber, Masonry Control Joint.....	7.25	1.09
04 05 23 13-0005 LF 6-7/8" Width, Rubber, Masonry Control Joint.....	15.58	1.09
04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0007 LF 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.40	1.09
04 05 23 13-0008 LF 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.58	1.09
04 05 23 13-0009 LF 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.79	1.09
04 05 23 13-0010 LF 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.40	1.09
04 05 23 13-0011 LF 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	6.01	1.09
04 05 23 16 Masonry Embedded Flashing (04 05 23)		
04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0003 SF 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	13.12	2.30
04 05 23 16-0004 SF 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	14.64	2.30
04 05 23 16-0005 SF 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	18.84	2.30
04 05 23 16-0006 SF 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	22.54	2.30
04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0008 SF 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.60	2.30

04 Masonry**04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0009 SF 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	15.96	2.30
04 05 23 16-0010 SF 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	20.80	2.30
04 05 23 16-0011 SF 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	25.27	2.30
04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0013 SF 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.47	2.30
04 05 23 16-0014 SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.36	2.30
04 05 23 16-0015 SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	18.08	2.30
04 05 23 16-0016 SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	23.76	2.30
04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0019 SF 2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.85	2.15
04 05 23 16-0020 SF 3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	11.96	2.15
04 05 23 16-0021 SF 5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	15.05	2.15
04 05 23 16-0022 SF 7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	17.76	2.15
04 05 23 16-0023 SF 10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	18.91	2.15
04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0025 SF 2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.95	2.15
04 05 23 16-0026 SF 3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	12.94	2.15
04 05 23 16-0027 SF 5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	16.49	2.15
04 05 23 16-0028 SF 7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	19.75	2.15
04 05 23 16-0029 SF 10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	21.67	2.15
04 05 23 16-0030 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0031 SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.97	2.15
04 05 23 16-0032 SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.10	2.15
04 05 23 16-0033 SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	15.16	2.15
04 05 23 16-0034 SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	17.87	2.15
04 05 23 16-0035 SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	19.03	2.15
04 05 23 16-0036 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0037 SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.12	2.15
04 05 23 16-0038 SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.48	2.15
04 05 23 16-0039 SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	14.49	2.15
04 05 23 16-0040 SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	18.65	2.15
04 05 23 16-0041 SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.34	2.15
04 05 23 16-0042 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0043 SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	15.67	2.15
04 05 23 16-0044 SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	19.78	2.15
04 05 23 16-0045 2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0017)		
Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046 SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	13.30	2.15
04 05 23 16-0047 SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	16.97	2.15
04 05 23 16-0048 Stainless Steel Through Wall Flashing (04 05 23 16)		
04 05 23 16-0049 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0048)		
04 05 23 16-0050 SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	8.26	2.15
04 05 23 16-0051 Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)		
04 05 23 16-0052 SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.73	1.88
04 05 23 16-0053 SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.14	1.88
04 05 23 16-0054 SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.62	1.88
04 05 23 16-0055 SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	7.19	1.88
04 05 23 19 Masonry Cavity Drainage, Weepholes, and Vents (04 05 23)		
04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)		
Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002 EA 8-1/8" x 2-3/8" Aluminum Brick Vent.....	81.80	
04 05 23 19-0003 EA 8-1/8" x 4-3/4" Aluminum Brick Vent.....	101.62	
04 05 23 19-0004 EA 8-1/8" x 7-3/4" Aluminum Brick Vent.....	128.50	
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent.....	100.72	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent.....	124.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent.....	158.05	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent.....	119.48	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent.....	162.41	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent.....	199.01	
04 05 23 19-0011 EA 24" x 2-3/8" Aluminum Brick Vent.....	163.40	
04 05 23 19-0012 EA 24" x 4-3/4" Aluminum Brick Vent.....	213.00	
04 05 23 19-0013 EA 24" x 7-3/4" Aluminum Brick Vent.....	262.63	

04 20 Unit Masonry ⁽⁰⁴⁾

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry ^(04 20)

04 21 13 Brick Masonry ^(04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry ^(04 21 13)

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond.....	27.60
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.10
		<i>For Common Or American Bond, Add</i>	0.84
		<i>For English Bond, Add</i>	1.68
		<i>For Flemish Bond, Add</i>	3.48
		<i>For Stacked Bond, Add</i>	2.43
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.84
		<i>For Curved Wall, Add</i>	4.20
		<i>For Corbels, Add</i>	15.76
		<i>For Severe Weather (SW) Brick, Add</i>	0.99
		<i>For Glazed Brick, Add</i>	23.07
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond.....	28.70
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.36
		<i>For Common Or American Bond, Add</i>	0.82
		<i>For English Bond, Add</i>	1.64
		<i>For Flemish Bond, Add</i>	3.49
		<i>For Stacked Bond, Add</i>	2.46
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.22
		<i>For Curved Wall, Add</i>	4.11
		<i>For Corbels, Add</i>	15.41
		<i>For Severe Weather (SW) Brick, Add</i>	1.22
		<i>For Glazed Brick, Add</i>	28.56
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond.....	27.60
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.10
		<i>For Common Or American Bond, Add</i>	0.84
		<i>For English Bond, Add</i>	1.68
		<i>For Flemish Bond, Add</i>	3.48
		<i>For Stacked Bond, Add</i>	2.43
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.84
		<i>For Curved Wall, Add</i>	4.20
		<i>For Corbels, Add</i>	15.76
		<i>For Severe Weather (SW) Brick, Add</i>	0.99
		<i>For Glazed Brick, Add</i>	23.07
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond.....	28.70
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.36
		<i>For Common Or American Bond, Add</i>	0.82
		<i>For English Bond, Add</i>	1.64
		<i>For Flemish Bond, Add</i>	3.49
		<i>For Stacked Bond, Add</i>	2.46
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.22
		<i>For Curved Wall, Add</i>	4.11
		<i>For Corbels, Add</i>	15.41
		<i>For Severe Weather (SW) Brick, Add</i>	1.22
		<i>For Glazed Brick, Add</i>	28.56
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond.....	28.49
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.33
		<i>For Common Or American Bond, Add</i>	0.82
		<i>For English Bond, Add</i>	1.64
		<i>For Flemish Bond, Add</i>	3.48
		<i>For Stacked Bond, Add</i>	2.45
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.21
		<i>For Curved Wall, Add</i>	4.11
		<i>For Corbels, Add</i>	15.41
		<i>For Severe Weather (SW) Brick, Add</i>	1.19
		<i>For Glazed Brick, Add</i>	27.83

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0007 SF Utility Size Red Brick, Running Bond.....	21.14	
Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
For Buff Or Gray, Add	1.13	
For Common Or American Bond, Add	0.57	
For English Bond, Add	1.15	
For Flemish Bond, Add	2.49	
For Stacked Bond, Add	1.77	
For <10, Small Area Replacements (Individual Areas), Add	21.85	
For Curved Wall, Add	2.87	
For Corbels, Add	10.76	
For Severe Weather (SW) Brick, Add	1.02	
For Glazed Brick, Add	23.80	
04 21 13 00-0008 SF Double Utility Size Red Brick, Running Bond.....	19.11	
Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
For Buff Or Gray, Add	0.80	
For Common Or American Bond, Add	0.57	
For English Bond, Add	1.15	
For Flemish Bond, Add	2.39	
For Stacked Bond, Add	1.67	
For <10, Small Area Replacements (Individual Areas), Add	21.75	
For Curved Wall, Add	2.87	
For Corbels, Add	10.76	
For Severe Weather (SW) Brick, Add	0.72	
For Glazed Brick, Add	16.70	
04 21 13 00-0009 SF Norman Size Red Brick, Running Bond.....	29.11	
Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
For Buff Or Gray, Add	1.43	
For Common Or American Bond, Add	0.82	
For English Bond, Add	1.64	
For Flemish Bond, Add	3.51	
For Stacked Bond, Add	2.48	
For <10, Small Area Replacements (Individual Areas), Add	31.24	
For Curved Wall, Add	4.11	
For Corbels, Add	15.41	
For Severe Weather (SW) Brick, Add	1.29	
For Glazed Brick, Add	30.00	
04 21 13 00-0010 SF Roman Size Red Brick, Running Bond.....	30.91	
Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
For Buff Or Gray, Add	1.73	
For Common Or American Bond, Add	0.82	
For English Bond, Add	1.64	
For Flemish Bond, Add	3.60	
For Stacked Bond, Add	2.57	
For <10, Small Area Replacements (Individual Areas), Add	31.33	
For Curved Wall, Add	4.11	
For Corbels, Add	15.41	
For Severe Weather (SW) Brick, Add	1.56	
For Glazed Brick, Add	36.30	
04 21 13 00-0011 Fire Brick <small>(04 21 13)</small>		
04 21 13 00-0012 SF Running Bond, Red Fire Brick	32.72	
For Buff Or Gray, Add	2.03	
For Common Or American Bond, Add	0.82	
For English Bond, Add	1.64	
For Flemish Bond, Add	3.69	
For Stacked Bond, Add	2.66	
For <10, Small Area Replacements (Individual Areas), Add	31.42	
04 21 13 00-0013 Window Sill <small>(04 21 13)</small>		
04 21 13 00-0014 LF Standard Size Red Brick, Window Sill	23.96	
Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
For Buff Or Gray, Add	0.28	
04 21 13 00-0015 LF Engineer Standard Size Red Brick, Window Sill	24.16	
Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
For Buff Or Gray, Add	0.31	
04 21 13 00-0016 LF Modular Size Red Brick, Window Sill	23.96	
Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
For Buff Or Gray, Add	0.28	
04 21 13 00-0017 LF Engineer Modular Size Red Brick, Window Sill.....	24.29	
Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
For Buff Or Gray, Add	0.33	
04 21 13 00-0018 LF Economy Size Red Brick, Window Sill.....	25.15	
Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
For Buff Or Gray, Add	0.48	
04 21 13 00-0019 LF Utility Size Red Brick, Window Sill	25.33	
Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
For Buff Or Gray, Add	0.51	
04 21 13 00-0020 LF Double Utility Size Red Brick, Window Sill.....	25.33	
Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
For Buff Or Gray, Add	0.51	
04 21 13 00-0021 LF Norman Size Red Brick, Window Sill	24.40	
Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
For Buff Or Gray, Add	0.35	



Masonry	04	04
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0022 LF Roman Size Red Brick, Window Sill.....	24.49	
Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
For Buff Or Gray, Add	0.37	
04 21 19 Clay Tile Masonry (04 21)		
04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile (04 21 19)		
04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0003 SF 4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	26.25	
For Smooth Face, One Side, Add	1.69	
For Smooth Face, Two Sides, Add	2.86	
04 21 19 00-0004 SF 6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	28.59	
For Smooth Face, One Side, Add	1.88	
For Smooth Face, Two Sides, Add	3.18	
04 21 19 00-0005 SF 8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	32.19	
For Smooth Face, One Side, Add	2.18	
For Smooth Face, Two Sides, Add	3.72	
04 21 19 00-0006 SF 10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	44.80	
For Smooth Face, One Side, Add	3.38	
For Smooth Face, Two Sides, Add	5.87	
04 21 19 00-0007 SF 12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	59.32	
For Smooth Face, One Side, Add	4.73	
For Smooth Face, Two Sides, Add	8.27	
04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0009 SF 3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	21.91	
For Smooth Face, One Side, Add	1.36	
For Smooth Face, Two Sides, Add	2.28	
04 21 19 00-0010 SF 4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	26.45	
For Smooth Face, One Side, Add	1.78	
For Smooth Face, Two Sides, Add	3.02	
04 21 19 00-0011 SF 6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	27.11	
For Smooth Face, One Side, Add	1.80	
For Smooth Face, Two Sides, Add	3.06	
04 21 19 00-0012 SF 8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	42.10	
For Smooth Face, One Side, Add	3.23	
For Smooth Face, Two Sides, Add	5.61	
04 21 19 00-0013 SF 12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	57.79	
For Smooth Face, One Side, Add	4.68	
For Smooth Face, Two Sides, Add	8.21	
04 21 26 Glazed Structural Clay Tile Masonry (04 21)		
Note: Includes tile and mortar in all colors.		
04 21 26 00-0001 6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003 SF 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	33.57	
For Stacked Bond, Add	2.24	
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	37.47	
For Stacked Bond, Add	2.24	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	45.56	
For Stacked Bond, Add	2.34	
04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	35.30	
For Stacked Bond, Add	2.64	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	41.81	
For Stacked Bond, Add	2.64	
04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	26.17	
For Stacked Bond, Add	1.42	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	32.44	
For Stacked Bond, Add	1.52	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	44.55	
For Stacked Bond, Add	1.63	
04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile.....	35.74	
For Stacked Bond, Add	1.83	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile.....	35.68	
For Stacked Bond, Add	1.83	

04	04	Masonry
	04 20	Unit Masonry
	04 21	Clay Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0017 4W Series Structural Glazed Clay Tile <small>(04 21 26)</small>		
04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile <small>(04 21 26 00-0017)</small>		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	35.04	
For Stacked Bond, Add	2.24	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	36.99	
For Stacked Bond, Add	2.24	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	45.80	
For Stacked Bond, Add	2.34	
04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile <small>(04 21 26 00-0017)</small>		
04 21 26 00-0023 LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	36.49	
For Stacked Bond, Add	2.64	
04 21 26 00-0024 LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	41.70	
For Stacked Bond, Add	2.64	
04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile <small>(04 21 26)</small>		
04 21 26 00-0026 SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile	36.28	
04 21 26 00-0027 SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile	39.15	
04 21 26 00-0028 SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile	45.70	
04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile <small>(04 21 26)</small>		
04 21 26 00-0030 SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile	39.71	
04 21 26 00-0031 SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile	44.76	
04 21 26 00-0032 SF 8" Thick, 8T Acoustical Glazed Tile	53.15	
04 21 29 Terra Cotta Masonry <small>(04 21)</small>		
04 21 29 00-0001 Coping <small>(04 21 29)</small>		
Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002 SF Terra Cotta Coping	113.66	42.60
For Smooth Tile Instead Of Scored, Add	3.66	
For Reinforcing With Steel Rods, Add	7.72	
04 21 29 00-0003 Partition Or Back Up (Scored) <small>(04 21 29)</small>		
04 21 29 00-0004 Non-load Bearing, 12" x 12" <small>(04 21 29 00-0003)</small>		
04 21 29 00-0005 SF 3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	27.83	
For Smooth Tile Instead Of Scored, Add	3.61	
For Reinforcing With Steel Rods, Add	3.40	
04 21 29 00-0006 SF 4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	29.54	
For Smooth Tile Instead Of Scored, Add	3.78	
For Reinforcing With Steel Rods, Add	3.58	
04 21 29 00-0007 SF 6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	38.17	
For Smooth Tile Instead Of Scored, Add	5.16	
For Reinforcing With Steel Rods, Add	4.78	
04 21 29 00-0008 SF 8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	46.74	
For Smooth Tile Instead Of Scored, Add	6.49	
For Reinforcing With Steel Rods, Add	5.94	
04 21 29 00-0009 Load Bearing, 12" x 12" <small>(04 21 29 00-0003)</small>		
04 21 29 00-0010 In Walls <small>(04 21 29 00-0009)</small>		
04 21 29 00-0011 SF 4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	31.38	
For Smooth Tile Instead Of Scored, Add	4.11	
For Reinforcing With Steel Rods, Add	3.85	
04 21 29 00-0012 SF 6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	42.37	
For Smooth Tile Instead Of Scored, Add	5.92	
For Reinforcing With Steel Rods, Add	5.41	
04 21 29 00-0013 SF 8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	50.84	
For Smooth Tile Instead Of Scored, Add	7.23	
For Reinforcing With Steel Rods, Add	6.56	
04 21 29 00-0014 SF 10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	53.27	
For Smooth Tile Instead Of Scored, Add	7.40	
For Reinforcing With Steel Rods, Add	6.77	
04 21 29 00-0015 SF 12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	64.02	
For Smooth Tile Instead Of Scored, Add	8.96	
For Reinforcing With Steel Rods, Add	8.18	
04 21 29 00-0016 In Floors <small>(04 21 29 00-0009)</small>		
04 21 29 00-0017 SF 4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	28.54	
For Smooth Tile Instead Of Scored, Add	4.11	
For Reinforcing With Steel Rods, Add	3.71	
04 21 29 00-0018 SF 6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	39.21	
For Smooth Tile Instead Of Scored, Add	5.92	
For Reinforcing With Steel Rods, Add	5.25	



Masonry	04	04
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 29 00-0019 SF 8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	47.59	
For Smooth Tile Instead Of Scored, Add	7.23	
For Reinforcing With Steel Rods, Add	6.40	
04 21 29 00-0020 SF 10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	49.62	
For Smooth Tile Instead Of Scored, Add	7.40	
For Reinforcing With Steel Rods, Add	6.59	
04 21 29 00-0021 SF 12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	59.28	
For Smooth Tile Instead Of Scored, Add	8.96	
For Reinforcing With Steel Rods, Add	7.94	

04 22 Concrete Unit Masonry (04 20)

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry (04 22)

04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)

04 22 23 13-0001 Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0002 Lightweight Concrete Blocks <small>(04 22 23 13-0001)</small>		
04 22 23 13-0003 Cored, Lightweight, Concrete Blocks <small>(04 22 23 13-0002)</small>		
04 22 23 13-0004 SF 4" x 8" x 16", Cored, Lightweight, Concrete Block	13.19	
For Stacked Bond, Add	2.81	
For Scored Block, Add	0.48	
For Curved Wall Application, Add	2.16	
For <10, Small Area Replacements (Individual Areas), Add	16.38	
04 22 23 13-0005 SF 6" x 8" x 16", Cored, Lightweight, Concrete Block	14.73	
For Stacked Bond, Add	3.04	
For Scored Block, Add	0.61	
For Curved Wall Application, Add	2.34	
For <10, Small Area Replacements (Individual Areas), Add	17.76	
04 22 23 13-0006 SF 8" x 8" x 16", Cored, Lightweight, Concrete Block	15.97	
For Stacked Bond, Add	3.26	
For Scored Block, Add	0.68	
For Curved Wall Application, Add	2.51	
For <10, Small Area Replacements (Individual Areas), Add	19.08	
04 22 23 13-0007 SF 10" x 8" x 16", Cored, Lightweight, Concrete Block	17.69	
For Stacked Bond, Add	3.41	
For Scored Block, Add	0.91	
For Curved Wall Application, Add	2.63	
For <10, Small Area Replacements (Individual Areas), Add	20.04	
04 22 23 13-0008 SF 12" x 8" x 16", Cored, Lightweight, Concrete Block	20.87	
For Stacked Bond, Add	4.15	
For Scored Block, Add	0.98	
For Curved Wall Application, Add	3.19	
For <10, Small Area Replacements (Individual Areas), Add	24.32	
04 22 23 13-0009 Solid, Lightweight, Concrete Blocks <small>(04 22 23 13-0002)</small>		
04 22 23 13-0010 SF 4" x 8" x 16", Solid, Lightweight, Concrete Block	14.27	
For Stacked Bond, Add	2.88	
For Scored Block, Add	0.64	
For Curved Wall Application, Add	2.22	
For <10, Small Area Replacements (Individual Areas), Add	16.86	
04 22 23 13-0011 SF 6" x 8" x 16", Solid, Lightweight, Concrete Block	15.64	
For Stacked Bond, Add	3.17	
For Scored Block, Add	0.69	
For Curved Wall Application, Add	2.44	
For <10, Small Area Replacements (Individual Areas), Add	18.53	
04 22 23 13-0012 SF 8" x 8" x 16", Solid, Lightweight, Concrete Block	16.50	
For Stacked Bond, Add	3.36	
For Scored Block, Add	0.71	
For Curved Wall Application, Add	2.59	
For <10, Small Area Replacements (Individual Areas), Add	19.66	
04 22 23 13-0013 SF 10" x 8" x 16", Solid, Lightweight, Concrete Block	18.48	
For Stacked Bond, Add	3.52	
For Scored Block, Add	0.99	
For Curved Wall Application, Add	2.71	
For <10, Small Area Replacements (Individual Areas), Add	20.68	
04 22 23 13-0014 SF 12" x 8" x 16", Solid, Lightweight, Concrete Block	21.78	
For Stacked Bond, Add	4.29	
For Scored Block, Add	1.06	
For Curved Wall Application, Add	3.30	
For <10, Small Area Replacements (Individual Areas), Add	25.15	
04 22 23 13-0015 Normal Weight Concrete Blocks <small>(04 22 23 13-0001)</small>		
04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks <small>(04 22 23 13-0015)</small>		

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0017 SF 4" x 8" x 16", Cored, Normal Weight, Concrete Block.....	13.47	
For Stacked Bond, Add	2.88	
For Scored Block, Add	0.48	
For Curved Wall Application, Add	2.22	
For <10, Small Area Replacements (Individual Areas), Add	16.80	
For 3,500 PSI, Add	0.50	
For 5,000 PSI, Add	0.86	
04 22 23 13-0018 SF 6" x 8" x 16", Cored, Normal Weight, Concrete Block.....	14.92	
For Stacked Bond, Add	3.17	
For Scored Block, Add	0.55	
For Curved Wall Application, Add	2.44	
For <10, Small Area Replacements (Individual Areas), Add	18.48	
For 3,500 PSI, Add	0.58	
For 5,000 PSI, Add	0.99	
04 22 23 13-0019 SF 8" x 8" x 16", Cored, Normal Weight, Concrete Block.....	16.08	
For Stacked Bond, Add	3.36	
For Scored Block, Add	0.63	
For Curved Wall Application, Add	2.59	
For <10, Small Area Replacements (Individual Areas), Add	19.63	
For 3,500 PSI, Add	0.66	
For 5,000 PSI, Add	1.13	
04 22 23 13-0020 SF 10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	19.62	
For Stacked Bond, Add	3.52	
For Scored Block, Add	1.22	
For Curved Wall Application, Add	2.71	
For <10, Small Area Replacements (Individual Areas), Add	20.77	
For 3,500 PSI, Add	1.28	
For 5,000 PSI, Add	2.19	
04 22 23 13-0021 SF 12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	22.77	
For Stacked Bond, Add	4.29	
For Scored Block, Add	1.25	
For Curved Wall Application, Add	3.30	
For <10, Small Area Replacements (Individual Areas), Add	25.22	
For 3,500 PSI, Add	1.32	
For 5,000 PSI, Add	2.26	
04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)	14.42	
04 22 23 13-0023 SF 4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	14.42	
For Stacked Bond, Add	2.96	
For Scored Block, Add	0.61	
For Curved Wall Application, Add	2.28	
For <10, Small Area Replacements (Individual Areas), Add	17.30	
For 3,500 PSI, Add	0.64	
For 5,000 PSI, Add	1.09	
04 22 23 13-0024 SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	15.36	
For Stacked Bond, Add	3.26	
For Scored Block, Add	0.56	
For Curved Wall Application, Add	2.51	
For <10, Small Area Replacements (Individual Areas), Add	19.04	
For 3,500 PSI, Add	0.59	
For 5,000 PSI, Add	1.01	
04 22 23 13-0025 SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	16.60	
For Stacked Bond, Add	3.47	
For Scored Block, Add	0.65	
For Curved Wall Application, Add	2.67	
For <10, Small Area Replacements (Individual Areas), Add	20.24	
For 3,500 PSI, Add	0.69	
For 5,000 PSI, Add	1.18	
04 22 23 13-0026 SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	18.35	
For Stacked Bond, Add	3.63	
For Scored Block, Add	0.87	
For Curved Wall Application, Add	2.80	
For <10, Small Area Replacements (Individual Areas), Add	21.30	
For 3,500 PSI, Add	0.92	
For 5,000 PSI, Add	1.57	
04 22 23 13-0027 SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	21.63	
For Stacked Bond, Add	4.44	
For Scored Block, Add	0.91	
For Curved Wall Application, Add	3.41	
For <10, Small Area Replacements (Individual Areas), Add	25.95	
For 3,500 PSI, Add	0.96	
For 5,000 PSI, Add	1.64	
04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030 LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	15.44	
For Stacked Bond, Add	3.04	
For Grout And Fill With 2 #5 Rebar, Add	9.60	
For Scored Block, Add	0.75	
For Curved Wall Application, Add	2.34	



Masonry	04	04
Unit Masonry	04 20	
Concrete Unit Masonry	04 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0031 LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	17.08	
For Stacked Bond, Add	3.26	
For Grout And Fill With 2 #5 Rebar, Add	10.81	
For Scored Block, Add	0.91	
For Curved Wall Application, Add	2.51	
04 22 23 13-0032 LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	20.79	
For Stacked Bond, Add	4.15	
For Grout And Fill With 2 #5 Rebar, Add	12.81	
For Scored Block, Add	0.96	
For Curved Wall Application, Add	3.19	
04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034 LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	15.39	
For Stacked Bond, Add	3.17	
For Grout And Fill With 2 #5 Rebar, Add	9.30	
For Scored Block, Add	0.64	
For Curved Wall Application, Add	2.44	
For 3,500 PSI, Add	0.67	
For 5,000 PSI, Add	1.16	
04 22 23 13-0035 LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	16.92	
For Stacked Bond, Add	3.36	
For Grout And Fill With 2 #5 Rebar, Add	10.46	
For Scored Block, Add	0.80	
For Curved Wall Application, Add	2.59	
For 3,500 PSI, Add	0.84	
For 5,000 PSI, Add	1.44	
04 22 23 13-0036 LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	20.78	
For Stacked Bond, Add	4.29	
For Grout And Fill With 2 #5 Rebar, Add	12.53	
For Scored Block, Add	0.86	
For Curved Wall Application, Add	3.30	
For 3,500 PSI, Add	0.90	
For 5,000 PSI, Add	1.54	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)		
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23-0002 SF 4" x 8" x 16", Ground Face, Concrete Block	17.38	
For Stacked Bond, Add	3.52	
For Scored Block, Add	0.77	
For Curved Wall Application, Add	2.71	
For <10, Small Area Replacements (Individual Areas), Add	20.60	
04 22 23 23-0003 SF 6" x 8" x 16", Ground Face, Concrete Block	19.61	
For Stacked Bond, Add	3.96	
For Scored Block, Add	0.87	
For Curved Wall Application, Add	3.05	
For <10, Small Area Replacements (Individual Areas), Add	23.19	
04 22 23 23-0004 SF 8" x 8" x 16", Ground Face, Concrete Block	21.27	
For Stacked Bond, Add	4.19	
For Scored Block, Add	1.03	
For Curved Wall Application, Add	3.22	
For <10, Small Area Replacements (Individual Areas), Add	24.54	
04 22 23 23-0005 SF 10" x 8" x 16", Ground Face, Concrete Block	22.77	
For Stacked Bond, Add	4.44	
For Scored Block, Add	1.14	
For Curved Wall Application, Add	3.41	
For <10, Small Area Replacements (Individual Areas), Add	26.03	
04 22 23 23-0006 SF 12" x 8" x 16", Ground Face, Concrete Block	26.85	
For Stacked Bond, Add	5.36	
For Scored Block, Add	1.25	
For Curved Wall Application, Add	4.12	
For <10, Small Area Replacements (Individual Areas), Add	31.40	
04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)		
04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)		
04 22 23 26-0002 SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	24.14	
For Stacked Bond, Add	3.52	
For Curved Wall Application, Add	2.71	
For <10, Small Area Replacements (Individual Areas), Add	21.11	
04 22 23 26-0003 SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	27.14	
For Stacked Bond, Add	3.83	
For Curved Wall Application, Add	2.94	
For <10, Small Area Replacements (Individual Areas), Add	23.01	
04 22 23 26-0004 SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	31.42	
For Stacked Bond, Add	4.19	
For Curved Wall Application, Add	3.22	
For <10, Small Area Replacements (Individual Areas), Add	25.30	
04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 22 23 29-0001	Split Face, Concrete Blocks (04 22 23 29)		
04 22 23 29-0002	Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0003	SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.83	
	For Stacked Bond, Add	3.52	
	For Curved Wall Application, Add	2.71	
	For <10, Small Area Replacements (Individual Areas), Add	20.63	
04 22 23 29-0004	SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.14	
	For Stacked Bond, Add	3.96	
	For Curved Wall Application, Add	3.05	
	For <10, Small Area Replacements (Individual Areas), Add	23.23	
04 22 23 29-0005	SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	21.88	
	For Stacked Bond, Add	4.19	
	For Curved Wall Application, Add	3.22	
	For <10, Small Area Replacements (Individual Areas), Add	24.58	
04 22 23 29-0006	SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	23.49	
	For Stacked Bond, Add	4.44	
	For Curved Wall Application, Add	3.41	
	For <10, Small Area Replacements (Individual Areas), Add	26.09	
04 22 23 29-0007	SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	27.28	
	For Stacked Bond, Add	5.36	
	For Curved Wall Application, Add	4.12	
	For <10, Small Area Replacements (Individual Areas), Add	31.43	
04 22 23 29-0008	Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009	SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	18.91	
	For Stacked Bond, Add	3.52	
	For Grout And Fill With 2 #5 Rebar, Add	12.14	
	For Curved Wall Application, Add	2.71	
	For <10, Small Area Replacements (Individual Areas), Add	20.71	
04 22 23 29-0010	SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	21.37	
	For Stacked Bond, Add	3.96	
	For Grout And Fill With 2 #5 Rebar, Add	13.75	
	For Curved Wall Application, Add	3.05	
	For <10, Small Area Replacements (Individual Areas), Add	23.32	
04 22 23 29-0011	SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	23.32	
	For Stacked Bond, Add	4.19	
	For Grout And Fill With 2 #5 Rebar, Add	15.27	
	For Curved Wall Application, Add	3.22	
	For <10, Small Area Replacements (Individual Areas), Add	24.69	
04 22 23 29-0012	SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	25.10	
	For Stacked Bond, Add	4.44	
	For Grout And Fill With 2 #5 Rebar, Add	16.57	
	For Curved Wall Application, Add	3.41	
	For <10, Small Area Replacements (Individual Areas), Add	26.21	
04 22 23 29-0013	SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	28.94	
	For Stacked Bond, Add	5.36	
	For Grout And Fill With 2 #5 Rebar, Add	18.63	
	For Curved Wall Application, Add	4.12	
	For <10, Small Area Replacements (Individual Areas), Add	31.55	
04 22 23 29-0014	Split Rib, Concrete Block (04 22 23 29)		
04 22 23 29-0015	Split Rib, Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block	17.49	
	For Stacked Bond, Add	3.52	
	For Curved Wall Application, Add	2.71	
	For <10, Small Area Replacements (Individual Areas), Add	20.61	
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block	20.94	
	For Stacked Bond, Add	3.96	
	For Curved Wall Application, Add	3.05	
	For <10, Small Area Replacements (Individual Areas), Add	23.29	
04 22 23 29-0018	SF 8" x 8" x 16", Split Rib, Concrete Block	22.29	
	For Stacked Bond, Add	4.19	
	For Curved Wall Application, Add	3.22	
	For <10, Small Area Replacements (Individual Areas), Add	24.61	
04 22 23 29-0019	SF 10" x 8" x 16", Split Rib, Concrete Block	23.83	
	For Stacked Bond, Add	4.44	
	For Curved Wall Application, Add	3.41	
	For <10, Small Area Replacements (Individual Areas), Add	26.11	
04 22 23 29-0020	SF 12" x 8" x 16", Split Rib, Concrete Block	28.03	
	For Stacked Bond, Add	5.36	
	For Curved Wall Application, Add	4.12	
	For <10, Small Area Replacements (Individual Areas), Add	31.49	
04 22 23 31	Glazed Concrete Masonry Unit (04 22 23)		
04 22 23 31-0001	One Glazed Face, Concrete Blocks (04 22 23 31)		
04 22 23 31-0002	One Glazed Face, Concrete Blocks (04 22 23 31-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0003	SF		4" x 8" x 16", One Glazed Face, Concrete Block	32.13	
			<i>For Stacked Bond, Add</i>	3.41	
			<i>For Curved Wall Application, Add</i>	2.63	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	21.12	
04 22 23 31-0004	SF		6" x 8" x 16", One Glazed Face, Concrete Block	34.35	
			<i>For Stacked Bond, Add</i>	3.76	
			<i>For Curved Wall Application, Add</i>	2.89	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.18	
04 22 23 31-0005	SF		8" x 8" x 16", One Glazed Face, Concrete Block	36.39	
			<i>For Stacked Bond, Add</i>	3.96	
			<i>For Curved Wall Application, Add</i>	3.05	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.45	
04 22 23 31-0006	SF		10" x 8" x 16", One Glazed Face, Concrete Block	38.55	
			<i>For Stacked Bond, Add</i>	4.19	
			<i>For Curved Wall Application, Add</i>	3.22	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	25.83	
04 22 23 31-0007	SF		12" x 8" x 16", One Glazed Face, Concrete Block	42.96	
			<i>For Stacked Bond, Add</i>	5.05	
			<i>For Curved Wall Application, Add</i>	3.88	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	30.90	
04 22 23 31-0008 Two Glazed Faces, Concrete Blocks <small>(04 22 23 31)</small>					
04 22 23 31-0009 Two Glazed Faces, Concrete Blocks <small>(04 22 23 31-0008)</small>					
04 22 23 31-0010	SF		4" x 8" x 16", Two Glazed Faces, Concrete Block	43.18	
			<i>For Stacked Bond, Add</i>	3.89	
			<i>For Curved Wall Application, Add</i>	2.99	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.57	
04 22 23 31-0011	SF		6" x 8" x 16", Two Glazed Faces, Concrete Block	45.24	
			<i>For Stacked Bond, Add</i>	4.19	
			<i>For Curved Wall Application, Add</i>	3.22	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	26.34	
04 22 23 31-0012	SF		8" x 8" x 16", Two Glazed Faces, Concrete Block	48.18	
			<i>For Stacked Bond, Add</i>	4.62	
			<i>For Curved Wall Application, Add</i>	3.56	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	28.95	
04 23 Glass Unit Masonry <small>(04 20)</small>					
04 23 13 Vertical Glass Unit Masonry <small>(04 23)</small>					
Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.					
04 23 13 00-0001 Glass Block Unit Masonry <small>(04 23 13)</small>					
04 23 13 00-0002	SF		6" x 6" x 4" Plain Glass Block	73.34	
			<i>For Solar Reflective (Suntrol) Blocks, Add</i>	13.58	
			<i>For Essex (Horizontal Striated) Blocks, Add</i>	7.76	
			<i>For Sculptured Or Patterned Blocks, Add</i>	13.58	
			<i>For Colored Glass, Add</i>	38.81	
			<i>For Thinline Block, Deduct</i>	-9.70	
			<i>For >1,000 To 5,000, Deduct</i>	-5.38	
			<i>For >5,000, Deduct</i>	-9.04	
04 23 13 00-0003	SF		8" x 8" x 4" Plain Glass Block	52.86	
			<i>For Solar Reflective (Suntrol) Blocks, Add</i>	9.61	
			<i>For Essex (Horizontal Striated) Blocks, Add</i>	5.49	
			<i>For Sculptured Or Patterned Blocks, Add</i>	9.61	
			<i>For Colored Glass, Add</i>	27.47	
			<i>For Thinline Block, Deduct</i>	-6.87	
			<i>For >1,000 To 5,000, Deduct</i>	-3.90	
			<i>For >5,000, Deduct</i>	-6.54	
04 23 13 00-0004	SF		12" x 12" x 4" Plain Glass Block	58.46	
			<i>For Solar Reflective (Suntrol) Blocks, Add</i>	12.29	
			<i>For Essex (Horizontal Striated) Blocks, Add</i>	7.02	
			<i>For Sculptured Or Patterned Blocks, Add</i>	12.29	
			<i>For Colored Glass, Add</i>	35.10	
			<i>For Thinline Block, Deduct</i>	-8.78	
			<i>For >1,000 To 5,000, Deduct</i>	-4.08	
			<i>For >5,000, Deduct</i>	-7.00	
04 23 13 00-0005 Solid Glass Block (Vistabrik®) <small>(04 23 13)</small>					
04 23 13 00-0006	SF		3" x 8" x 3" Solid Glass Block (Vistabrik®)	684.39	
04 23 13 00-0007	SF		4" x 8" x 3" Solid Glass Block (Vistabrik®)	519.74	
04 23 13 00-0008	SF		6" x 8" x 3" Solid Glass Block (Vistabrik®)	357.07	
04 23 13 00-0009	SF		8" x 8" x 3" Solid Glass Block (Vistabrik®)	250.18	

04 40 Stone Assemblies (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone (04 40)

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)

04	Masonry
04 40	Stone Assemblies
04 41	Dry-Placed Stone



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 41 00 00-0002 SF 4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	27.32	8.46
04 41 00 00-0003 SF 6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	27.77	8.46
04 42 Exterior Stone Cladding <small>(04 40)</small>		
04 42 43 Stone Panels for Curtain Walls <small>(04 42)</small>		
04 42 43 00-0001 Marble Facing Panels <small>(04 42 43)</small>		
Note: 3' x 1.5'		
04 42 43 00-0002 SF 3/4" Thick Marble Facing Panels	79.87	17.96
04 42 43 00-0003 SF 7/8" Thick Marble Facing Panels	84.57	18.19
04 42 43 00-0004 SF 1-1/2" Thick Marble Facing Panels	98.27	18.54
04 42 43 00-0005 SF 2" Thick Marble Facing Panels	108.31	19.12
04 42 43 00-0006 SF 2-1/4" Thick Marble Facing Panels	115.45	20.28
04 42 43 00-0007 CF Marble Face Panel	491.62	66.05
04 42 43 00-0008 Smooth Limestone Panels <small>(04 42 43)</small>		
Note: Up to 12' x 5' panels.		
04 42 43 00-0009 SF 1-1/2" Thick Smooth Limestone Panels	60.75	36.04
04 42 43 00-0010 SF 2" Thick Smooth Limestone Panels	64.34	37.77
04 42 43 00-0011 SF 3" Thick Smooth Limestone Panels	68.13	39.52
04 42 43 00-0012 SF 4" Thick Smooth Limestone Panels	78.55	43.45
04 42 43 00-0013 Sandstone Panels <small>(04 42 43)</small>		
04 42 43 00-0014 SF 2-1/2" Thick Sandstone Panels	69.05	37.77
04 42 43 00-0015 SF 4" Thick Sandstone Panels	76.16	43.45
04 42 43 00-0016 SF Split Face Sandstone Panels, Random Sizes	70.57	43.45
04 43 Stone Masonry <small>(04 40)</small>		
04 43 16 Stone Fabrications <small>(04 43)</small>		
04 43 16 00-0001 Marble <small>(04 43 16)</small>		
04 43 16 00-0002 Marble Base <small>(04 43 16 00-0001)</small>		
Note: 1" thick.		
04 43 16 00-0003 LF 4" High Marble Base	117.02	73.12
04 43 16 00-0004 LF 6" High Marble Base	133.18	79.65
04 43 16 00-0005 Marble Columns <small>(04 43 16 00-0001)</small>		
04 43 16 00-0006 CF Plain Faced Solid Marble Columns	333.90	66.05
04 43 16 00-0007 CF Fluted, Carved Solid Marble Columns	565.63	66.05
04 43 16 00-0008 Marble Flooring <small>(04 43 16 00-0001)</small>		
04 43 16 00-0009 SF 3/8" Uniform Color Marble Flooring	33.31	16.74
04 43 16 00-0010 SF 1/2" Uniform Color Marble Flooring	35.88	16.74
04 43 16 00-0011 SF 1/2" Travertine Marble Flooring	43.13	19.12
04 43 16 00-0012 Marble Items <small>(04 43 16 00-0001)</small>		
04 43 16 00-0013 LF 12" Wide Marble Stair Treads	91.00	26.61
04 43 16 00-0014 LF 6" Wide Marble Stair Risers	69.18	21.34
04 43 16 00-0015 LF 6" Wide x 2" Thick Marble Window Sills	40.91	15.66
04 43 16 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished	80.96	19.22
04 43 16 00-0017 SF 7/8" Thick, Non-Skid, Marble Patio Blocks	44.21	24.27
04 43 16 00-0018 Limestone <small>(04 43 16)</small>		
04 43 16 00-0019 Ashlar Veneer Limestone <small>(04 43 16 00-0018)</small>		
04 43 16 00-0020 SF 4" Ashlar Veneer Limestone, Random Sizes	60.60	26.61
04 43 16 00-0021 SF 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	91.30	36.56
04 43 16 00-0022 Limestone Coping <small>(04 43 16 00-0018)</small>		
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023 SF 2-1/2" Thick Limestone Coping	29.32	9.27
04 43 16 00-0024 SF 3" Thick Limestone Coping	32.63	9.85
04 43 16 00-0025 SF 3-1/2" Thick Limestone Coping	35.95	10.43
04 43 16 00-0026 SF 4" Thick Limestone Coping	38.10	10.78
04 43 16 00-0027 SF 5" Thick Limestone Coping	43.57	11.00
04 43 16 00-0028 SF 6" Thick Limestone Coping	61.72	11.59
04 43 16 00-0029 CF >6" Thick Limestone Coping	102.04	23.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0030			Limestone Stair Treads (04 43 16 00-0018)		
04 43 16 00-0031	SF		2" Thick Limestone Treads	35.86	8.69
04 43 16 00-0032	SF		2-1/2" Thick Limestone Treads	38.04	9.27
04 43 16 00-0033	SF		3" Thick Limestone Treads	42.41	9.85
04 43 16 00-0034	SF		3-1/2" Thick Limestone Treads	45.61	10.43
04 43 16 00-0035	SF		4" Thick Limestone Treads	48.82	10.43
04 43 16 00-0036	SF		5" Thick Limestone Treads	52.92	11.00
04 43 16 00-0037	SF		6" Thick Limestone Tread, Smooth Finish	71.38	11.59
04 43 16 00-0038			Limestone Items (04 43 16 00-0018)		
04 43 16 00-0039	CF		Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	185.58	89.16
04 43 16 00-0040			Granite (04 43 16)		
04 43 16 00-0041			Polished Granite Veneer Facing Panels (04 43 16 00-0040)		
			Note: Excludes structural support steel.		
04 43 16 00-0042	SF		7/8" Thick Black Polished Granite Veneer Facing Panels.....	97.71	36.26
04 43 16 00-0043	SF		7/8" Thick Gray Polished Granite Veneer Facing Panels.....	89.89	36.26
04 43 16 00-0044			Granite Stair Treads (04 43 16 00-0040)		
04 43 16 00-0045	SF		2" Thick Granite Stair Tread	56.80	8.69
04 43 16 00-0046			Slate (04 43 16)		
04 43 16 00-0047			Slate Panels Or Sills (04 43 16 00-0046)		
04 43 16 00-0048	SF		1" Thick Slate Panels.....	62.50	36.26
04 43 16 00-0049	SF		2" Thick Slate Panels.....	71.69	36.26
04 43 16 00-0050			Slate Sills Or Stools (04 43 16 00-0046)		
04 43 16 00-0051	LF		6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	28.51	15.76
04 43 16 00-0052	LF		10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	34.36	15.76
04 43 16 00-0053	LF		6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	33.53	15.76
04 43 16 00-0054	LF		10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	46.06	15.76
04 43 16 00-0055			Slate Stair Treads (04 43 16 00-0046)		
04 43 16 00-0056	SF		2" Thick Slate Stair Tread	41.54	8.69
04 50 Refractory Masonry (04)					
04 51 Flue Liner Masonry (04 50)					
Note: Includes mortar joints.					
04 51 00 00-0001			Rectangular Flue Liners (04 51)		
04 51 00 00-0002	VLF		4" x 8" Clay Flue Liners	20.47	
04 51 00 00-0003	VLF		8" x 8" Clay Flue Liners	28.21	
04 51 00 00-0004	VLF		8" x 12" Clay Flue Liners.....	32.16	
04 51 00 00-0005	VLF		12" x 12" Clay Flue Liners.....	40.03	
04 51 00 00-0006	VLF		12" x 16" Clay Flue Liners.....	48.84	
04 51 00 00-0007	VLF		12" x 18" Clay Flue Liners.....	55.51	
04 51 00 00-0008	VLF		16" x 16" Clay Flue Liners.....	60.55	
04 51 00 00-0009	VLF		16" x 20" Clay Flue Liners.....	74.68	
04 51 00 00-0010	VLF		18" x 18" Clay Flue Liners.....	79.78	
04 51 00 00-0011	VLF		20" x 20" Clay Flue Liners.....	102.77	
04 51 00 00-0012	VLF		20" x 24" Clay Flue Liners.....	111.95	
04 51 00 00-0013	VLF		24" x 24" Clay Flue Liners.....	132.72	
04 51 00 00-0014			Round Flue Liners (04 51)		
04 51 00 00-0015	VLF		6" Diameter Clay Flue Liners	49.92	
04 51 00 00-0016	VLF		8" Diameter Clay Flue Liners	72.59	
04 51 00 00-0017	VLF		10" Diameter Clay Flue Liners.....	95.44	
04 51 00 00-0018	VLF		12" Diameter Clay Flue Liners.....	116.23	
04 51 00 00-0019	VLF		15" Diameter Clay Flue Liners	142.53	
04 51 00 00-0020	VLF		18" Diameter Clay Flue Liners	154.06	
04 51 00 00-0021	VLF		21" Diameter Clay Flue Liners	196.54	
04 51 00 00-0022	VLF		24" Diameter Clay Flue Liners	241.33	
04 51 00 00-0023	VLF		27" Diameter Clay Flue Liners	278.49	
04 51 00 00-0024	VLF		30" Diameter Clay Flue Liners	316.76	
04 51 00 00-0025	VLF		33" Diameter Clay Flue Liners	332.24	
04 51 00 00-0026	VLF		36" Diameter Clay Flue Liners	338.40	

04	04	Masonry
	04 50	Refractory Masonry
	04 51	Flue Liner Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

04 51 00 00-0027	Standard Chimney Block <small>(04 51)</small>		
	Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA 14" x 14" x 8" Concrete Block Chimney Unit.....	33.14	
04 51 00 00-0029	EA 14" x 18" x 8" Concrete Block Chimney Unit.....	36.29	
04 51 00 00-0030	EA 16" x 16" x 8" Concrete Block Chimney Unit.....	36.52	
04 51 00 00-0031	EA 17" x 17" x 8" Concrete Block Chimney Unit.....	38.33	
04 51 00 00-0032	EA 16" x 20" x 8" Concrete Block Chimney Unit.....	40.35	
04 51 00 00-0033	EA 17" x 21" x 8" Concrete Block Chimney Unit.....	42.52	
04 51 00 00-0034	EA 21" x 21" x 8" Concrete Block Chimney Unit.....	48.03	

04 70 Manufactured Masonry (04)

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001	Precast Concrete Lintels <small>(04 72)</small>		
04 72 00 00-0002	Solid Precast Concrete Lintels <small>(04 72 00 00-0001)</small>		
04 72 00 00-0003	LF 4" x 8", Solid Precast Concrete Lintel	18.04	
04 72 00 00-0004	LF 6" x 8", Solid Precast Concrete Lintel	22.99	
04 72 00 00-0005	LF 8" x 8", Solid Precast Concrete Lintel	28.40	

04 72 00 00-0006	U Shaped Precast Concrete Lintels <small>(04 72 00 00-0001)</small>		
	Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF 6" x 8", U Shaped Precast Concrete Lintel	19.34	
04 72 00 00-0008	LF 8" x 8", U Shaped Precast Concrete Lintel	23.45	
04 72 00 00-0009	LF 12" x 8", U Shaped Precast Concrete Lintel	38.55	

04 72 00 00-0010	Precast Concrete Coping <small>(04 72)</small>		
	Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		

04 72 00 00-0011	Precast Concrete Coping <small>(04 72 00 00-0010)</small>		
	Note: Measured at highest point.		
04 72 00 00-0012	SF 2" Thick Precast Concrete Coping.....	58.01	12.88
04 72 00 00-0013	SF 2-1/2" Thick Precast Concrete Coping.....	65.64	13.87
04 72 00 00-0014	SF 3" Thick Precast Concrete Coping.....	75.93	14.86
04 72 00 00-0015	SF 3-1/2" Thick Precast Concrete Coping.....	81.86	15.85
04 72 00 00-0016	SF 4" Thick Precast Concrete Coping.....	87.85	16.84
04 72 00 00-0017	SF 5" Thick Precast Concrete Coping.....	104.70	17.84
04 72 00 00-0018	SF 6" Thick Precast Concrete Coping.....	119.69	18.82

04 72 00 00-0019	Precast Concrete Window Sills <small>(04 72)</small>		
	Note: Includes caulk and ties.		

04 72 00 00-0020	Precast Concrete Window Sills <small>(04 72 00 00-0019)</small>		
04 72 00 00-0021	LF 6" Wide Precast Concrete Window Sill	42.63	9.90
04 72 00 00-0022	LF 10" Wide Precast Concrete Window Sill	64.48	9.90
04 72 00 00-0023	LF 14" Wide Precast Concrete Window Sill	76.40	9.90

END OF SECTION 04



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	------------------------------	---------------------------	-------------------------

05 Metals

05 05 Common Work Results for Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors ^(05 05 19)		
05 05 19 00-0002	Expansion Anchors ^(05 05 19 00-0001) Note: Includes drilling.		
05 05 19 00-0003	Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)		
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003) Note: Includes nut and washer.		
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	13.41	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.27	
	For >100, Deduct	-2.55	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	13.55	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.28	
	For >100, Deduct	-2.56	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	13.99	
	For >10 To 50, Deduct	-0.64	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.63	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.49	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.56	
	For >100, Deduct	-3.11	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.59	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.56	
	For >100, Deduct	-3.12	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.63	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.56	
	For >100, Deduct	-3.12	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.03	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.57	
	For >100, Deduct	-3.14	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.94	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.22	
	For >100, Deduct	-4.45	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.02	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.23	
	For >100, Deduct	-4.45	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.18	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.23	
	For >100, Deduct	-4.46	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.63	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.24	
	For >100, Deduct	-4.48	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.25	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.26	
	For >100, Deduct	-4.51	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.30	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-2.79	
	For >100, Deduct	-5.58	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.44	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-2.79	
	For >100, Deduct	-5.58	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.72	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-2.80	
	For >100, Deduct	-5.60	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.27	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-2.81	
	For >100, Deduct	-5.62	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.82	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-2.83	
	For >100, Deduct	-5.65	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.17	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.93	
			<i>For >100, Deduct</i>	-5.87	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.90	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-3.03	
			<i>For >100, Deduct</i>	-6.06	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.85	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.33	
			<i>For >100, Deduct</i>	-6.67	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.97	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.34	
			<i>For >100, Deduct</i>	-6.67	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	38.63	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.35	
			<i>For >100, Deduct</i>	-6.70	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.43	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.37	
			<i>For >100, Deduct</i>	-6.74	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.35	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.40	
			<i>For >100, Deduct</i>	-6.79	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	43.83	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.48	
			<i>For >100, Deduct</i>	-6.96	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.46	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.60	
			<i>For >100, Deduct</i>	-7.20	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	53.69	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.73	
			<i>For >100, Deduct</i>	-7.46	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.76	
			<i>For >10 To 50, Deduct</i>	-1.73	
			<i>For >50 To 100, Deduct</i>	-3.88	
			<i>For >100, Deduct</i>	-7.77	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	54.51	
			<i>For >10 To 50, Deduct</i>	-1.73	
			<i>For >50 To 100, Deduct</i>	-3.95	
			<i>For >100, Deduct</i>	-7.90	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	58.15	
			<i>For >10 To 50, Deduct</i>	-1.73	
			<i>For >50 To 100, Deduct</i>	-4.04	
			<i>For >100, Deduct</i>	-8.09	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	63.85	
			<i>For >10 To 50, Deduct</i>	-2.23	
			<i>For >50 To 100, Deduct</i>	-4.95	
			<i>For >100, Deduct</i>	-9.89	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	69.03	
			<i>For >10 To 50, Deduct</i>	-2.23	
			<i>For >50 To 100, Deduct</i>	-5.08	
			<i>For >100, Deduct</i>	-10.15	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	74.16	
			<i>For >10 To 50, Deduct</i>	-2.23	
			<i>For >50 To 100, Deduct</i>	-5.21	
			<i>For >100, Deduct</i>	-10.41	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	83.30	
			<i>For >10 To 50, Deduct</i>	-2.86	
			<i>For >50 To 100, Deduct</i>	-6.37	
			<i>For >100, Deduct</i>	-12.75	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	87.00	
			<i>For >10 To 50, Deduct</i>	-2.86	
			<i>For >50 To 100, Deduct</i>	-6.47	
			<i>For >100, Deduct</i>	-12.93	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.08	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.67	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100, Deduct</i>	-2.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.39	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.53	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.26	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.04	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100, Deduct</i>	-3.29	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.41	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100, Deduct</i>	-3.31	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.20	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100, Deduct</i>	-3.44	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.68	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100, Deduct</i>	-4.78	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.65	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.42	
<i>For >100, Deduct</i>	-4.83	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.20	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.43	
<i>For >100, Deduct</i>	-4.86	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.74	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.49	
<i>For >100, Deduct</i>	-4.99	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.55	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.59	
<i>For >100, Deduct</i>	-5.18	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	45.01	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.13	
<i>For >100, Deduct</i>	-6.26	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.49	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.19	
<i>For >100, Deduct</i>	-6.39	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.17	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.26	
<i>For >100, Deduct</i>	-6.52	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.74	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.35	
<i>For >100, Deduct</i>	-6.70	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	69.39	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.74	
<i>For >100, Deduct</i>	-7.48	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.76	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.73	
<i>For >100, Deduct</i>	-7.46	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	58.80	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.86	
<i>For >100, Deduct</i>	-7.71	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	63.10	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.96	
<i>For >100, Deduct</i>	-7.93	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	63.63	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.98	
<i>For >100, Deduct</i>	-7.95	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.67	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-4.08	
<i>For >100, Deduct</i>	-8.16	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	78.15	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-4.34	
<i>For >100, Deduct</i>	-8.68	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	92.94	
For>10 To 50, Deduct	-1.59	
For>50 To 100, Deduct	-4.71	
For>100, Deduct	-9.42	
05 05 19 00-0065 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	92.90	
For>10 To 50, Deduct	-1.73	
For>50 To 100, Deduct	-4.91	
For>100, Deduct	-9.82	
05 05 19 00-0066 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	136.24	
For>10 To 50, Deduct	-2.23	
For>50 To 100, Deduct	-6.76	
For>100, Deduct	-13.51	
05 05 19 00-0067 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	158.12	
For>10 To 50, Deduct	-2.23	
For>50 To 100, Deduct	-7.30	
For>100, Deduct	-14.61	
05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
Note: Includes nut and washer.		
05 05 19 00-0069 EA 1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.59	
For>10 To 50, Deduct	-0.63	
For>50 To 100, Deduct	-1.33	
For>100, Deduct	-2.66	
05 05 19 00-0070 EA 1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.62	
For>10 To 50, Deduct	-0.64	
For>50 To 100, Deduct	-1.38	
For>100, Deduct	-2.76	
05 05 19 00-0071 EA 3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.19	
For>10 To 50, Deduct	-0.76	
For>50 To 100, Deduct	-1.67	
For>100, Deduct	-3.34	
05 05 19 00-0072 EA 3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.07	
For>10 To 50, Deduct	-0.76	
For>50 To 100, Deduct	-1.69	
For>100, Deduct	-3.39	
05 05 19 00-0073 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.30	
For>10 To 50, Deduct	-0.76	
For>50 To 100, Deduct	-1.70	
For>100, Deduct	-3.40	
05 05 19 00-0074 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.50	
For>10 To 50, Deduct	-0.76	
For>50 To 100, Deduct	-1.80	
For>100, Deduct	-3.61	
05 05 19 00-0075 EA 1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.70	
For>10 To 50, Deduct	-1.08	
For>50 To 100, Deduct	-2.49	
For>100, Deduct	-4.99	
05 05 19 00-0076 EA 1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.13	
For>10 To 50, Deduct	-1.08	
For>50 To 100, Deduct	-2.55	
For>100, Deduct	-5.11	
05 05 19 00-0077 EA 1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.56	
For>10 To 50, Deduct	-1.08	
For>50 To 100, Deduct	-2.66	
For>100, Deduct	-5.33	
05 05 19 00-0078 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	42.67	
For>10 To 50, Deduct	-1.08	
For>50 To 100, Deduct	-2.69	
For>100, Deduct	-5.38	
05 05 19 00-0079 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	58.57	
For>10 To 50, Deduct	-1.34	
For>50 To 100, Deduct	-3.47	
For>100, Deduct	-6.94	
05 05 19 00-0080 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	59.90	
For>10 To 50, Deduct	-1.34	
For>50 To 100, Deduct	-3.50	
For>100, Deduct	-7.01	
05 05 19 00-0081 EA 3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	72.73	
For>10 To 50, Deduct	-1.59	
For>50 To 100, Deduct	-4.20	
For>100, Deduct	-8.41	
05 05 19 00-0082 EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	78.26	
For>10 To 50, Deduct	-1.59	
For>50 To 100, Deduct	-4.34	
For>100, Deduct	-8.69	
05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
Note: Includes nut and washer.		
05 05 19 00-0084 EA 1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.46	
For>10 To 50, Deduct	-1.08	
For>50 To 100, Deduct	-2.31	
For>100, Deduct	-4.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.98	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.35	
For >100, Deduct	-4.70	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.51	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.39	
For >100, Deduct	-4.78	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.27	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.41	
For >100, Deduct	-4.81	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	37.71	
For >10 To 50, Deduct	-1.34	
For >50 To 100, Deduct	-2.95	
For >100, Deduct	-5.90	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	35.88	
For >10 To 50, Deduct	-1.34	
For >50 To 100, Deduct	-2.90	
For >100, Deduct	-5.81	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	48.90	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-3.61	
For >100, Deduct	-7.22	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	50.58	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-3.65	
For >100, Deduct	-7.30	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	58.82	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-3.86	
For >100, Deduct	-7.71	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	62.25	
For >10 To 50, Deduct	-2.23	
For >50 To 100, Deduct	-4.91	
For >100, Deduct	-9.81	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	67.00	
For >10 To 50, Deduct	-2.23	
For >50 To 100, Deduct	-5.03	
For >100, Deduct	-10.05	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	71.70	
For >10 To 50, Deduct	-2.23	
For >50 To 100, Deduct	-5.14	
For >100, Deduct	-10.29	
 05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.46	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.59	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.66	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.60	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.90	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.62	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.18	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.36	
For >100, Deduct	-2.73	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.36	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.73	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.07	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.54	
For >100, Deduct	-3.09	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.40	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.55	
For >100, Deduct	-3.10	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.72	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.56	
For >100, Deduct	-3.12	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.19	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.20	
For >100, Deduct	-4.41	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.61	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.21	
			<i>For >100, Deduct</i>	-4.43	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.97	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.22	
			<i>For >100, Deduct</i>	-4.44	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.40	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100, Deduct</i>	-4.47	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	29.13	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.73	
			<i>For >100, Deduct</i>	-5.47	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	29.76	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.75	
			<i>For >100, Deduct</i>	-5.50	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.24	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.76	
			<i>For >100, Deduct</i>	-5.52	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.61	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.80	
			<i>For >100, Deduct</i>	-5.59	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	35.82	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.28	
			<i>For >100, Deduct</i>	-6.56	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	37.00	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.31	
			<i>For >100, Deduct</i>	-6.62	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.07	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.34	
			<i>For >100, Deduct</i>	-6.68	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.76	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.38	
			<i>For >100, Deduct</i>	-6.76	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	15.98	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.72	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.16	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100, Deduct</i>	-3.34	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	23.52	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100, Deduct</i>	-3.46	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	31.72	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100, Deduct</i>	-4.83	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	35.96	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.52	
			<i>For >100, Deduct</i>	-5.04	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	49.77	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-3.25	
			<i>For >100, Deduct</i>	-6.50	
05 05 19 00-0125			Concrete Strike Anchors <small>(05 05 19 00-0002)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	14.42	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	14.76	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100, Deduct</i>	-2.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	15.37	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.78	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	16.75	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.85	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor.....	17.57	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.58	
<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	18.60	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100, Deduct</i>	-3.21	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	19.40	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.25	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	25.75	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.27	
<i>For >100, Deduct</i>	-4.53	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	26.37	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.28	
<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	28.19	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.33	
<i>For >100, Deduct</i>	-4.66	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	30.53	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100, Deduct</i>	-4.77	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	34.57	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-2.87	
<i>For >100, Deduct</i>	-5.74	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	36.74	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-2.92	
<i>For >100, Deduct</i>	-5.85	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	38.66	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-2.97	
<i>For >100, Deduct</i>	-5.94	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	44.86	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.51	
<i>For >100, Deduct</i>	-7.02	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	46.89	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.56	
<i>For >100, Deduct</i>	-7.12	
 05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	18.67	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.80	
<i>For >100, Deduct</i>	-3.61	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	22.86	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.20	
<i>For >100, Deduct</i>	-4.40	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	28.03	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-2.62	
<i>For >100, Deduct</i>	-5.24	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	31.95	
<i>For >10 To 50, Deduct</i>	-1.41	
<i>For >50 To 100, Deduct</i>	-2.91	
<i>For >100, Deduct</i>	-5.82	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	38.56	
<i>For >10 To 50, Deduct</i>	-1.60	
<i>For >50 To 100, Deduct</i>	-3.36	
<i>For >100, Deduct</i>	-6.73	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	23.77	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.93	
For >100, Deduct	-3.86	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	32.40	
For >10 To 50, Deduct	-1.09	
For >50 To 100, Deduct	-2.44	
For >100, Deduct	-4.88	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	40.77	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-2.94	
For >100, Deduct	-5.88	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	52.45	
For >10 To 50, Deduct	-1.41	
For >50 To 100, Deduct	-3.42	
For >100, Deduct	-6.84	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	73.80	
For >10 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-4.25	
For >100, Deduct	-8.49	
05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	13.75	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.61	
05 05 19 00-0157 EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.72	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.75	
05 05 19 00-0158 EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	16.65	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.56	
For >100, Deduct	-3.12	
05 05 19 00-0159 EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	24.40	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-4.47	
05 05 19 00-0160 EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	34.31	
For >10 To 50, Deduct	-1.34	
For >50 To 100, Deduct	-2.86	
For >100, Deduct	-5.73	
05 05 19 00-0161 EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	41.46	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-3.42	
For >100, Deduct	-6.85	
05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)		
Note: Excludes lag bolt and washer.		
05 05 19 00-0163 EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	13.84	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.61	
05 05 19 00-0164 EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	16.45	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.55	
For >100, Deduct	-3.11	
05 05 19 00-0165 EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	17.28	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.15	
05 05 19 00-0166 EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	24.34	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-4.46	
05 05 19 00-0167 EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	33.01	
For >10 To 50, Deduct	-1.34	
For >50 To 100, Deduct	-2.83	
For >100, Deduct	-5.66	
05 05 19 00-0168 EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	36.78	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-3.31	
For >100, Deduct	-6.61	
05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)		
Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	17.92	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-3.01	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	20.95	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100, Deduct</i>	-3.35	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	25.99	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-2.09	
<i>For >100, Deduct</i>	-4.18	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	30.60	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100, Deduct</i>	-4.78	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	32.64	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.44	
<i>For >100, Deduct</i>	-4.88	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	40.39	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.01	
<i>For >100, Deduct</i>	-6.03	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	52.98	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.71	
<i>For >100, Deduct</i>	-7.42	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	63.36	
<i>For >10 To 50, Deduct</i>	-1.72	
<i>For >50 To 100, Deduct</i>	-4.17	
<i>For >100, Deduct</i>	-8.33	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod	87.00	
<i>For >10 To 50, Deduct</i>	-2.23	
<i>For >50 To 100, Deduct</i>	-5.53	
<i>For >100, Deduct</i>	-11.05	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod	126.25	
<i>For >10 To 50, Deduct</i>	-2.82	
<i>For >50 To 100, Deduct</i>	-7.38	
<i>For >100, Deduct</i>	-14.76	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod	14.56	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100, Deduct</i>	-2.84	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	15.95	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.10	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	18.72	
<i>For >10 To 50, Deduct</i>	-0.90	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100, Deduct</i>	-3.63	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	22.76	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100, Deduct</i>	-4.38	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	25.88	
<i>For >10 To 50, Deduct</i>	-1.16	
<i>For >50 To 100, Deduct</i>	-2.38	
<i>For >100, Deduct</i>	-4.77	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	33.17	
<i>For >10 To 50, Deduct</i>	-1.42	
<i>For >50 To 100, Deduct</i>	-2.96	
<i>For >100, Deduct</i>	-5.92	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	36.80	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.21	
<i>For >100, Deduct</i>	-6.41	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	46.24	
<i>For >10 To 50, Deduct</i>	-1.84	
<i>For >50 To 100, Deduct</i>	-3.91	
<i>For >100, Deduct</i>	-7.82	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	51.51	
<i>For >10 To 50, Deduct</i>	-1.99	
<i>For >50 To 100, Deduct</i>	-4.27	
<i>For >100, Deduct</i>	-8.55	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	60.27	
<i>For >10 To 50, Deduct</i>	-2.25	
<i>For >50 To 100, Deduct</i>	-4.89	
<i>For >100, Deduct</i>	-9.77	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192 EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	68.16	
For >10 To 50, Deduct	-2.46	
For >50 To 100, Deduct	-5.39	
For >100, Deduct	-10.78	
05 05 19 00-0193 EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	78.84	
For >10 To 50, Deduct	-2.68	
For >50 To 100, Deduct	-5.98	
For >100, Deduct	-11.97	
05 05 19 00-0194 EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	100.86	
For >10 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.24	
For >100, Deduct	-14.47	
05 05 19 00-0195 EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	151.91	
For >10 To 50, Deduct	-3.80	
For >50 To 100, Deduct	-9.49	
For >100, Deduct	-18.98	
05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0197 EA Grout Concrete Anchor Bolt or Threaded Rod.....	4.76	
For >10 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.46	
For >100, Deduct	-0.92	
05 05 19 00-0198 Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199 Tapcon Masonry Screws (05 05 19 00-0198)		
Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200 EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	13.19	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-2.58	
05 05 19 00-0201 EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	13.29	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-2.59	
05 05 19 00-0202 EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	13.51	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.60	
05 05 19 00-0203 EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	13.31	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-2.59	
05 05 19 00-0204 EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	13.43	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.59	
05 05 19 00-0205 EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	13.69	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.61	
05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0199)		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0207 EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	14.15	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.63	
05 05 19 00-0208 EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	14.63	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.65	
05 05 19 00-0209 EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	14.76	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.66	
05 05 19 00-0210 EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	14.99	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.67	
05 05 19 00-0211 EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	15.19	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.68	
05 05 19 00-0212 EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	15.60	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.35	
For >100, Deduct	-2.70	
05 05 19 00-0213 EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.12	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.36	
For >100, Deduct	-2.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	16.59	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0215 EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	17.92	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0216 EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	18.08	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.83	
05 05 19 00-0217 EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	18.89	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.87	
05 05 19 00-0218 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	19.72	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.91	
05 05 19 00-0219 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	20.26	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.93	
05 05 19 00-0220 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	20.02	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.92	
05 05 19 00-0221 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	20.79	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100, Deduct</i>	-2.96	
05 05 19 00-0222 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	22.60	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.05	
05 05 19 00-0223 Pin Bolt Drives <small>(05 05 19 00-0198)</small>		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	8.27	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.78	
<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	8.27	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.78	
<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	8.35	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.79	
<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	8.37	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.79	
<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors <small>(05 05 19 00-0198)</small>		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor.....	2.08	
<i>For >10 To 50, Deduct</i>	-0.09	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100, Deduct</i>	-0.36	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor.....	2.21	
<i>For >10 To 50, Deduct</i>	-0.09	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100, Deduct</i>	-0.38	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor.....	2.40	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.41	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.67	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100, Deduct</i>	-0.44	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.83	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100, Deduct</i>	-0.45	
05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0198)</small>		

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	2.51	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.39	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/16" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	3.43	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.50	
05 05 21 Fastening Methods for Metal <small>(05 05)</small>		
05 05 21 00-0001 Welding <small>(05 05 21)</small>		
05 05 21 00-0002 Minimum Charge For Welding <small>(05 05 21 00-0001)</small>		
05 05 21 00-0003 EA Welding Minimum Charge.....	497.87	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004 Spot Welding <small>(05 05 21 00-0001)</small>		
See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	12.68	
For Aluminum Welding, Add	1.98	
For Stainless Steel Welding, Add	3.27	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each.....	9.90	
For Aluminum Welding, Add	1.56	
For Stainless Steel Welding, Add	2.57	
05 05 21 00-0007 Field Welding (Seam And Stitch Welding) <small>(05 05 21 00-0001)</small>		
05 05 21 00-0008 Vertical Fillet Welds <small>(05 05 21 00-0007)</small>		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld.....	8.07	
For Aluminum Welding, Add	1.61	
For Stainless Steel Welding, Add	2.51	
For Up To 25, Add	2.66	
For >25 To 50, Add	1.89	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld.....	15.64	
For Aluminum Welding, Add	2.84	
For Stainless Steel Welding, Add	4.53	
For Up To 25, Add	5.27	
For >25 To 50, Add	3.75	
05 05 21 00-0011 LF 1/4" Vertical Fillet Weld.....	23.48	
For Aluminum Welding, Add	4.27	
For Stainless Steel Welding, Add	6.81	
For Up To 25, Add	7.91	
For >25 To 50, Add	5.62	
05 05 21 00-0012 LF 5/16" Vertical Fillet Weld.....	30.98	
For Aluminum Welding, Add	5.66	
For Stainless Steel Welding, Add	9.01	
For Up To 25, Add	10.42	
For >25 To 50, Add	7.41	
05 05 21 00-0013 LF 3/8" Vertical Fillet Weld.....	39.12	
For Aluminum Welding, Add	7.11	
For Stainless Steel Welding, Add	11.33	
For Up To 25, Add	13.17	
For >25 To 50, Add	9.37	
05 05 21 00-0014 LF 7/16" Vertical Fillet Weld.....	45.52	
For Aluminum Welding, Add	7.81	
For Stainless Steel Welding, Add	12.61	
For Up To 25, Add	15.52	
For >25 To 50, Add	11.05	
05 05 21 00-0015 LF 1/2" Vertical Fillet Weld.....	53.49	
For Aluminum Welding, Add	9.76	
For Stainless Steel Welding, Add	15.55	
For Up To 25, Add	18.00	
For >25 To 50, Add	12.79	
05 05 21 00-0016 LF 9/16" Vertical Fillet Weld.....	62.57	
For Aluminum Welding, Add	10.94	
For Stainless Steel Welding, Add	17.59	
For Up To 25, Add	21.25	
For >25 To 50, Add	15.12	
05 05 21 00-0017 LF 5/8" Vertical Fillet Weld.....	72.54	
For Aluminum Welding, Add	12.72	
For Stainless Steel Welding, Add	20.44	
For Up To 25, Add	24.62	
For >25 To 50, Add	17.52	
05 05 21 00-0018 LF 3/4" Vertical Fillet Weld.....	97.89	
For Aluminum Welding, Add	17.85	
For Stainless Steel Welding, Add	28.43	
For Up To 25, Add	32.94	
For >25 To 50, Add	23.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0019 LF 7/8" Vertical Fillet Weld.....	144.81	
For Aluminum Welding, Add	25.25	
For Stainless Steel Welding, Add	40.61	
For Up To 25, Add	49.21	
For >25 To 50, Add	35.03	
05 05 21 00-0020 LF 1" Vertical Fillet Weld.....	195.10	
For Aluminum Welding, Add	35.18	
For Stainless Steel Welding, Add	56.16	
For Up To 25, Add	65.82	
For >25 To 50, Add	46.81	
05 05 21 00-0021 Horizontal Or Flat Fillet Welds <small>(05 05 21 00-0007)</small>		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0022 LF 1/8" Horizontal Or Flat Fillet Weld.....	6.80	
For Aluminum Welding, Add	1.42	
For Stainless Steel Welding, Add	2.20	
For Up To 25, Add	2.22	
For >25 To 50, Add	1.57	
05 05 21 00-0023 LF 3/16" Horizontal Or Flat Fillet Weld.....	13.24	
For Aluminum Welding, Add	2.50	
For Stainless Steel Welding, Add	3.96	
For Up To 25, Add	4.42	
For >25 To 50, Add	3.14	
05 05 21 00-0024 LF 1/4" Horizontal Or Flat Fillet Weld.....	19.82	
For Aluminum Welding, Add	3.75	
For Stainless Steel Welding, Add	5.93	
For Up To 25, Add	6.61	
For >25 To 50, Add	4.70	
05 05 21 00-0025 LF 5/16" Horizontal Or Flat Fillet Weld.....	26.20	
For Aluminum Welding, Add	4.99	
For Stainless Steel Welding, Add	7.88	
For Up To 25, Add	8.73	
For >25 To 50, Add	6.20	
05 05 21 00-0026 LF 3/8" Horizontal Or Flat Fillet Weld.....	33.07	
For Aluminum Welding, Add	6.26	
For Stainless Steel Welding, Add	9.89	
For Up To 25, Add	11.03	
For >25 To 50, Add	7.84	
05 05 21 00-0027 LF 7/16" Horizontal Or Flat Fillet Weld.....	38.31	
For Aluminum Welding, Add	6.78	
For Stainless Steel Welding, Add	10.88	
For Up To 25, Add	12.98	
For >25 To 50, Add	9.23	
05 05 21 00-0028 LF 1/2" Horizontal Or Flat Fillet Weld.....	45.18	
For Aluminum Welding, Add	8.60	
For Stainless Steel Welding, Add	13.57	
For Up To 25, Add	15.06	
For >25 To 50, Add	10.69	
05 05 21 00-0029 LF 9/16" Horizontal Or Flat Fillet Weld.....	52.78	
For Aluminum Welding, Add	9.58	
For Stainless Steel Welding, Add	15.27	
For Up To 25, Add	17.78	
For >25 To 50, Add	12.64	
05 05 21 00-0030 LF 5/8" Horizontal Or Flat Fillet Weld.....	61.48	
For Aluminum Welding, Add	11.38	
For Stainless Steel Welding, Add	18.06	
For Up To 25, Add	20.62	
For >25 To 50, Add	14.65	
05 05 21 00-0031 LF 3/4" Horizontal Or Flat Fillet Weld.....	82.76	
For Aluminum Welding, Add	15.73	
For Stainless Steel Welding, Add	24.84	
For Up To 25, Add	27.58	
For >25 To 50, Add	19.58	
05 05 21 00-0032 LF 7/8" Horizontal Or Flat Fillet Weld.....	121.27	
For Aluminum Welding, Add	21.48	
For Stainless Steel Welding, Add	34.44	
For Up To 25, Add	41.07	
For >25 To 50, Add	29.22	
05 05 21 00-0033 LF 1" Horizontal Or Flat Fillet Weld.....	164.32	
For Aluminum Welding, Add	30.85	
For Stainless Steel Welding, Add	48.83	
For Up To 25, Add	54.93	
For >25 To 50, Add	39.01	

05 05 23 Metal Fastenings (05 05)

- 05 05 23 00-0001 Hex Bolts (05 05 23)
 Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 02 41 19 13-0251 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

- 05 05 23 00-0002 A307B Heavy Hex Bolts (05 05 23 00-0001)
 Note: Includes A307B heavy hex nut and two structural washers.

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0004 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	14.70	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.51	
05 05 23 00-0005 EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	16.36	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.59	
05 05 23 00-0006 EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	16.40	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.59	
05 05 23 00-0007 EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	19.61	1.62
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.50	
For >100, Deduct	-3.01	
05 05 23 00-0008 EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	19.19	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.73	
05 05 23 00-0009 EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	23.07	1.62
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.59	
For >100, Deduct	-3.18	
05 05 23 00-0010 EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	29.53	1.69
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.80	
For >100, Deduct	-3.59	
05 05 23 00-0011 EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	31.76	1.78
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.91	
For >100, Deduct	-3.81	
05 05 23 00-0012 EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	23.15	1.54
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.54	
For >100, Deduct	-3.08	
05 05 23 00-0013 EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	28.08	1.69
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.52	
05 05 23 00-0014 EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	33.25	1.78
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.94	
For >100, Deduct	-3.89	
05 05 23 00-0015 EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	48.13	1.86
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-2.37	
For >100, Deduct	-4.74	
05 05 23 00-0016 EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	56.43	2.12
For >10 To 50, Deduct	-0.88	
For >50 To 100, Deduct	-2.73	
For >100, Deduct	-5.46	
05 05 23 00-0017 EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	63.63	2.26
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-3.01	
For >100, Deduct	-6.01	
05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019 EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	15.51	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.27	
For >100, Deduct	-2.55	
05 05 23 00-0020 EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	16.90	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.62	
05 05 23 00-0021 EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	18.41	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.35	
For >100, Deduct	-2.69	
05 05 23 00-0022 EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	21.62	1.62
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.55	
For >100, Deduct	-3.11	
05 05 23 00-0023 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	21.48	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.42	
For >100, Deduct	-2.85	
05 05 23 00-0024 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	27.29	1.62
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.69	
For >100, Deduct	-3.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0025 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	36.81	1.69
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.98	
<i>For >100, Deduct</i>	-3.96	
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	43.54	1.78
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-2.20	
<i>For >100, Deduct</i>	-4.40	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	29.13	1.54
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100, Deduct</i>	-3.38	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	34.82	1.69
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.93	
<i>For >100, Deduct</i>	-3.85	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	41.94	1.78
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100, Deduct</i>	-4.32	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	63.90	1.86
<i>For >10 To 50, Deduct</i>	-0.78	
<i>For >50 To 100, Deduct</i>	-2.77	
<i>For >100, Deduct</i>	-5.53	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	63.49	2.12
<i>For >10 To 50, Deduct</i>	-0.88	
<i>For >50 To 100, Deduct</i>	-2.91	
<i>For >100, Deduct</i>	-5.81	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	79.96	2.26
<i>For >10 To 50, Deduct</i>	-0.94	
<i>For >50 To 100, Deduct</i>	-3.41	
<i>For >100, Deduct</i>	-6.83	
05 05 23 00-0033 A325 High Strength Structural Bolts (05 05 23 00-0001)		
05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.31	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.24	
<i>For >100, Deduct</i>	-2.49	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	14.68	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.51	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.85	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100, Deduct</i>	-2.57	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	19.64	1.62
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-3.01	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.03	1.69
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.27	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	17.48	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.32	
<i>For >100, Deduct</i>	-2.65	
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	21.37	1.62
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.09	
05 05 23 00-0042 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	24.57	1.69
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100, Deduct</i>	-3.34	
05 05 23 00-0043 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	30.72	1.78
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100, Deduct</i>	-3.76	
05 05 23 00-0044 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	20.47	1.54
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.95	
05 05 23 00-0045 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	25.22	1.69
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100, Deduct</i>	-3.37	
05 05 23 00-0046 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	29.03	1.78
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100, Deduct</i>	-3.68	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0047 EA 7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	31.55	1.86
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.96	
For >100, Deduct	-3.91	
05 05 23 00-0048 EA 1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	22.79	1.60
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.14	
05 05 23 00-0049 EA 1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	27.64	1.78
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.80	
For >100, Deduct	-3.61	
05 05 23 00-0050 EA 1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	32.33	1.86
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.98	
For >100, Deduct	-3.95	
05 05 23 00-0051 EA 1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	42.07	1.99
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-2.30	
For >100, Deduct	-4.59	
05 05 23 00-0052 EA 1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	40.02	1.99
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-2.24	
For >100, Deduct	-4.49	
05 05 23 00-0053 EA 1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	45.59	2.12
For >10 To 50, Deduct	-0.88	
For >50 To 100, Deduct	-2.46	
For >100, Deduct	-4.92	
05 05 23 00-0054 EA 1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	53.88	2.26
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-2.76	
For >100, Deduct	-5.52	
05 05 23 00-0055 EA 1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	63.65	2.42
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-3.10	
For >100, Deduct	-6.20	
05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts (05 05 23 00-0053)		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057 EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	15.05	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.26	
For >100, Deduct	-2.53	
05 05 23 00-0058 EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	15.31	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.27	
For >100, Deduct	-2.54	
05 05 23 00-0059 EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	17.40	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.32	
For >100, Deduct	-2.64	
05 05 23 00-0060 EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	20.74	1.62
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.53	
For >100, Deduct	-3.06	
05 05 23 00-0061 EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	21.98	1.69
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.61	
For >100, Deduct	-3.21	
05 05 23 00-0062 EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	18.20	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.68	
05 05 23 00-0063 EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	22.27	1.62
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.14	
05 05 23 00-0064 EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	25.97	1.69
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.41	
05 05 23 00-0065 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	34.03	1.78
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.96	
For >100, Deduct	-3.93	
05 05 23 00-0066 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	24.74	1.54
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-3.16	
05 05 23 00-0067 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	27.75	1.69
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.75	
For >100, Deduct	-3.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0068	EA			7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	32.09 -0.74 -1.91 -3.83	1.78
05 05 23 00-0069	EA			7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	40.73 -0.78 -2.19 -4.37	1.86
05 05 23 00-0070	EA			1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	26.11 -0.67 -1.65 -3.31	1.60
05 05 23 00-0071	EA			1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	35.25 -0.74 -1.99 -3.99	1.78
05 05 23 00-0072	EA			1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	38.70 -0.78 -2.14 -4.27	1.86
05 05 23 00-0073	EA			1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	49.93 -0.83 -2.49 -4.99	1.99
05 05 23 00-0074	EA			1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	49.61 -0.83 -2.48 -4.97	1.99
05 05 23 00-0075	EA			1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	52.92 -0.88 -2.64 -5.29	2.12
05 05 23 00-0076	EA			1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	62.27 -0.94 -2.97 -5.94	2.26
05 05 23 00-0077	EA			1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	72.41 -1.01 -3.32 -6.64	2.42
05 05 23 00-0078	A490 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>					
	Note: Includes A490 heavy hex nut and two structural washers.					
05 05 23 00-0079	Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0078)</small>					
05 05 23 00-0080	EA			5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	16.43 -0.59 -1.30 -2.59	1.41
05 05 23 00-0081	EA			5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	23.63 -0.68 -1.60 -3.21	1.62
05 05 23 00-0082	EA			5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	25.32 -0.71 -1.69 -3.38	1.69
05 05 23 00-0083	EA			3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	18.69 -0.59 -1.35 -2.71	1.41
05 05 23 00-0084	EA			3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	22.75 -0.67 -1.58 -3.16	1.62
05 05 23 00-0085	EA			3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	26.79 -0.71 -1.73 -3.45	1.69
05 05 23 00-0086	EA			3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	35.03 -0.74 -1.99 -3.98	1.78
05 05 23 00-0087	EA			7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	21.86 -0.64 -1.51 -3.02	1.54
05 05 23 00-0088	EA			7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	25.67 -0.70 -1.70 -3.40	1.69
05 05 23 00-0089	EA			7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	38.02 -0.74 -2.06 -4.13	1.78

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0090 EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	26.04	1.60
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.65	
For >100, Deduct	-3.30	
05 05 23 00-0091 EA 1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	31.29	1.78
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.89	
For >100, Deduct	-3.79	
05 05 23 00-0092 EA 1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	36.25	1.86
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-2.07	
For >100, Deduct	-4.15	
05 05 23 00-0093 EA 1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	45.82	1.99
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-2.39	
For >100, Deduct	-4.78	
05 05 23 00-0094 EA 1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	59.44	2.12
For >10 To 50, Deduct	-0.88	
For >50 To 100, Deduct	-2.81	
For >100, Deduct	-5.61	
05 05 23 00-0095 EA 1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	62.50	2.26
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-2.98	
For >100, Deduct	-5.95	
05 05 23 00-0096 EA 1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	65.13	2.42
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-3.14	
For >100, Deduct	-6.27	
05 05 23 00-0097 Hex Head Bolts (05 05 23 00-0001)		
05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0100 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0101 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.16	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0102 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0103 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.30	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0104 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.59	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0105 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0106 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0107 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.01	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0108 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0109 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.28	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0110 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.67	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-0111 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.83	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 23	00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.17	
				<i>For >500, Deduct</i>	-2.61	
	05 05 23	00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
	05 05 23	00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
	05 05 23	00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.21	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
	05 05 23	00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
	05 05 23	00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.21	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
	05 05 23	00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.24	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
	05 05 23	00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.32	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
	05 05 23	00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.38	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
	05 05 23	00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.69	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	
	05 05 23	00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	
	05 05 23	00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	
	05 05 23	00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
				<i>For >100 To 250, Deduct</i>	-1.69	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
	05 05 23	00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
				<i>For >100 To 250, Deduct</i>	-1.69	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
	05 05 23	00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.56	
				<i>For >100 To 250, Deduct</i>	-1.69	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
	05 05 23	00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.86	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.17	
				<i>For >500, Deduct</i>	-2.61	
	05 05 23	00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.17	
				<i>For >500, Deduct</i>	-2.61	
	05 05 23	00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.74	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.17	
				<i>For >500, Deduct</i>	-2.61	
	05 05 23	00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.35	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
	05 05 23	00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.70	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
	05 05 23	00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.02	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0133		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.31	
		<i>For >100 To 250, Deduct</i>	-1.60	
		<i>For >250 To 500, Deduct</i>	-2.00	
		<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
		<i>For >100 To 250, Deduct</i>	-1.60	
		<i>For >250 To 500, Deduct</i>	-2.00	
		<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.45	
		<i>For >100 To 250, Deduct</i>	-1.60	
		<i>For >250 To 500, Deduct</i>	-2.00	
		<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.55	
		<i>For >100 To 250, Deduct</i>	-1.60	
		<i>For >250 To 500, Deduct</i>	-2.00	
		<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87	
		<i>For >100 To 250, Deduct</i>	-1.65	
		<i>For >250 To 500, Deduct</i>	-2.06	
		<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
		<i>For >100 To 250, Deduct</i>	-1.65	
		<i>For >250 To 500, Deduct</i>	-2.06	
		<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.24	
		<i>For >100 To 250, Deduct</i>	-1.65	
		<i>For >250 To 500, Deduct</i>	-2.06	
		<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.66	
		<i>For >100 To 250, Deduct</i>	-1.69	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.90	
		<i>For >100 To 250, Deduct</i>	-1.69	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
		<i>For >100 To 250, Deduct</i>	-1.69	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.51	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.17	
		<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.64	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.17	
		<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.74	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.17	
		<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.02	
		<i>For >100 To 250, Deduct</i>	-1.78	
		<i>For >250 To 500, Deduct</i>	-2.23	
		<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17	
		<i>For >100 To 250, Deduct</i>	-1.78	
		<i>For >250 To 500, Deduct</i>	-2.23	
		<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.38	
		<i>For >100 To 250, Deduct</i>	-1.78	
		<i>For >250 To 500, Deduct</i>	-2.23	
		<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.90	
		<i>For >100 To 250, Deduct</i>	-1.83	
		<i>For >250 To 500, Deduct</i>	-2.29	
		<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.05	
		<i>For >100 To 250, Deduct</i>	-1.83	
		<i>For >250 To 500, Deduct</i>	-2.29	
		<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.07	
		<i>For >100 To 250, Deduct</i>	-1.83	
		<i>For >250 To 500, Deduct</i>	-2.29	
		<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.50	
		<i>For >100 To 250, Deduct</i>	-1.87	
		<i>For >250 To 500, Deduct</i>	-2.34	
		<i>For >500, Deduct</i>	-2.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.73	
			<i>For >100 To 250, Deduct</i>	-1.87	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0156	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.91	
			<i>For >100 To 250, Deduct</i>	-1.87	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0157	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0158	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0159	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0160	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.71	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0161	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0162	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.19	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0163	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.57	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.52	
			<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0164	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.88	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.52	
			<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0165	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.49	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.52	
			<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0166			1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0167	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.77	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0168	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0169	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.13	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0170	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.57	
			<i>For >100 To 250, Deduct</i>	-1.87	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0171	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.75	
			<i>For >100 To 250, Deduct</i>	-1.87	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0172	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.94	
			<i>For >100 To 250, Deduct</i>	-1.87	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0173	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.42	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0174	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0175	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.01	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0176 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0177 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.33	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0178 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.65	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0179 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.17	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0180 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.37	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0181 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.92	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0182 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.43	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0183 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.63	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0184 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.40	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0185 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.62	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.96	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.74	
05 05 23 00-0188 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.21	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.74	
05 05 23 00-0189 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.74	
05 05 23 00-0190 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-2.81	
05 05 23 00-0191 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-2.81	
05 05 23 00-0192 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-2.81	
05 05 23 00-0193 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.01	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0194 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.09	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0195 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0196 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.65	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		12.73	
	<i>For >100 To 250, Deduct</i>		-1.97	
	<i>For >250 To 500, Deduct</i>		-2.46	
	<i>For >500, Deduct</i>		-2.95	
05 05 23 00-0198	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		12.97	
	<i>For >100 To 250, Deduct</i>		-1.97	
	<i>For >250 To 500, Deduct</i>		-2.46	
	<i>For >500, Deduct</i>		-2.95	
05 05 23 00-0199	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		13.46	
	<i>For >100 To 250, Deduct</i>		-2.01	
	<i>For >250 To 500, Deduct</i>		-2.52	
	<i>For >500, Deduct</i>		-3.02	
05 05 23 00-0200	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		13.75	
	<i>For >100 To 250, Deduct</i>		-2.01	
	<i>For >250 To 500, Deduct</i>		-2.52	
	<i>For >500, Deduct</i>		-3.02	
05 05 23 00-0201	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		14.04	
	<i>For >100 To 250, Deduct</i>		-2.01	
	<i>For >250 To 500, Deduct</i>		-2.52	
	<i>For >500, Deduct</i>		-3.02	
05 05 23 00-0202	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		14.53	
	<i>For >100 To 250, Deduct</i>		-2.06	
	<i>For >250 To 500, Deduct</i>		-2.57	
	<i>For >500, Deduct</i>		-3.09	
05 05 23 00-0203	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		14.87	
	<i>For >100 To 250, Deduct</i>		-2.06	
	<i>For >250 To 500, Deduct</i>		-2.57	
	<i>For >500, Deduct</i>		-3.09	
05 05 23 00-0204	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		15.10	
	<i>For >100 To 250, Deduct</i>		-2.06	
	<i>For >250 To 500, Deduct</i>		-2.57	
	<i>For >500, Deduct</i>		-3.09	
05 05 23 00-0205	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		15.45	
	<i>For >100 To 250, Deduct</i>		-2.06	
	<i>For >250 To 500, Deduct</i>		-2.57	
	<i>For >500, Deduct</i>		-3.09	
05 05 23 00-0206	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05</small>			
	<small>23 00-0098)</small>			
05 05 23 00-0207	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		11.65	
	<i>For >100 To 250, Deduct</i>		-2.06	
	<i>For >250 To 500, Deduct</i>		-2.57	
	<i>For >500, Deduct</i>		-3.09	
05 05 23 00-0208	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		11.82	
	<i>For >100 To 250, Deduct</i>		-2.06	
	<i>For >250 To 500, Deduct</i>		-2.57	
	<i>For >500, Deduct</i>		-3.09	
05 05 23 00-0209	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		12.03	
	<i>For >100 To 250, Deduct</i>		-2.06	
	<i>For >250 To 500, Deduct</i>		-2.57	
	<i>For >500, Deduct</i>		-3.09	
05 05 23 00-0210	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		12.54	
	<i>For >100 To 250, Deduct</i>		-2.10	
	<i>For >250 To 500, Deduct</i>		-2.63	
	<i>For >500, Deduct</i>		-3.15	
05 05 23 00-0211	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		12.86	
	<i>For >100 To 250, Deduct</i>		-2.10	
	<i>For >250 To 500, Deduct</i>		-2.63	
	<i>For >500, Deduct</i>		-3.15	
05 05 23 00-0212	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		13.26	
	<i>For >100 To 250, Deduct</i>		-2.10	
	<i>For >250 To 500, Deduct</i>		-2.63	
	<i>For >500, Deduct</i>		-3.15	
05 05 23 00-0213	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		13.99	
	<i>For >100 To 250, Deduct</i>		-2.15	
	<i>For >250 To 500, Deduct</i>		-2.69	
	<i>For >500, Deduct</i>		-3.22	
05 05 23 00-0214	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		14.60	
	<i>For >100 To 250, Deduct</i>		-2.15	
	<i>For >250 To 500, Deduct</i>		-2.69	
	<i>For >500, Deduct</i>		-3.22	
05 05 23 00-0215	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		15.08	
	<i>For >100 To 250, Deduct</i>		-2.15	
	<i>For >250 To 500, Deduct</i>		-2.69	
	<i>For >500, Deduct</i>		-3.22	
05 05 23 00-0216	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		15.50	
	<i>For >100 To 250, Deduct</i>		-2.19	
	<i>For >250 To 500, Deduct</i>		-2.74	
	<i>For >500, Deduct</i>		-3.29	
05 05 23 00-0217	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		15.56	
	<i>For >100 To 250, Deduct</i>		-2.19	
	<i>For >250 To 500, Deduct</i>		-2.74	
	<i>For >500, Deduct</i>		-3.29	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.37	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0219 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.06	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0220 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.70	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0221 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.45	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0222 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.49	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0223 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.22	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0224 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.97	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0225 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.55	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>05 05</small>		
<small>23 00-0098</small>		
05 05 23 00-0227 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.20	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0228 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.53	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0229 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.84	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0230 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.44	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0231 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.91	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0232 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.33	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0233 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.01	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0234 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.59	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0235 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.05	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0236 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.23	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0237 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.61	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0238 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.33	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.60	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-0240 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.28	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-0241 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.06	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-0242 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.31	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0243 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.09	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0244 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.13	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0245 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.14	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.09	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0248 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.37	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0249 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.51	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0250 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.12	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-0251 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.88	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-0252 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.77	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-0253 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.74	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-0254 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.04	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-0255 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.76	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-0256 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.55	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0257 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.98	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0258 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.00	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0259 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.25	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-3.09	
For >500, Deduct	-3.70	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0260 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.28	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0261 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.31	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0262 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.50	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0263 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.58	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0264 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.57	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0265 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.64	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.35	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.22	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.63	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.11	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.45	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.07	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.37	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-0274 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.71	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.61	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.25	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.38	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.73	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0279 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.85	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0280 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.01	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.17	
			<i>For >100 To 250, Deduct</i>	-2.51	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0282	EA		1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.48	
			<i>For >100 To 250, Deduct</i>	-2.51	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0283	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.64	
			<i>For >100 To 250, Deduct</i>	-2.51	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0284	EA		1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.82	
			<i>For >100 To 250, Deduct</i>	-2.51	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0285			Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0286			1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0287	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.19	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0288	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.25	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0289	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.30	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0290	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.40	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0291	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.73	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0292	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.91	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0293	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.10	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0294	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.48	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0295	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.72	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0296	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.88	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0297	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.28	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0298	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.43	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0299	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.58	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0300	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.00	
			<i>For >100 To 250, Deduct</i>	-1.78	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0301	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.21	
			<i>For >100 To 250, Deduct</i>	-1.78	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.43	
			<i>For >100 To 250, Deduct</i>	-1.78	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500, Deduct</i>	-2.67	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0303	5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.31	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0305	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.35	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0306	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.42	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0307	EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.56	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0308	EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.89	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0309	EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.06	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0310	EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.35	
	For >100 To 250, Deduct	-1.65	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.47	
05 05 23 00-0311	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.73	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.12	
	For >500, Deduct	-2.54	
05 05 23 00-0312	EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.97	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.12	
	For >500, Deduct	-2.54	
05 05 23 00-0313	EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.18	
	For >100 To 250, Deduct	-1.69	
	For >250 To 500, Deduct	-2.12	
	For >500, Deduct	-2.54	
05 05 23 00-0314	EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.84	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-2.17	
	For >500, Deduct	-2.61	
05 05 23 00-0315	EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.92	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-2.17	
	For >500, Deduct	-2.61	
05 05 23 00-0316	EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.21	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-2.17	
	For >500, Deduct	-2.61	
05 05 23 00-0317	EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.81	
	For >100 To 250, Deduct	-1.78	
	For >250 To 500, Deduct	-2.23	
	For >500, Deduct	-2.67	
05 05 23 00-0318	EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.21	
	For >100 To 250, Deduct	-1.78	
	For >250 To 500, Deduct	-2.23	
	For >500, Deduct	-2.67	
05 05 23 00-0319	EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.59	
	For >100 To 250, Deduct	-1.78	
	For >250 To 500, Deduct	-2.23	
	For >500, Deduct	-2.67	
05 05 23 00-0320	3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.37	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0322	EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.41	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0323	EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.54	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.68	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.07	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.23	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.49	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.00	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.61	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.89	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.48	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.74	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.20	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.76	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.37	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.86	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.79	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0339 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.91	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0340 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.23	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0341 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.70	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0342 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.93	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0343 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.14	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0344 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.65	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.85	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0346 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.39	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0347 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.78	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0348 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.03	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0349 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.29	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0350 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.87	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-0351 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.22	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-0352 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.57	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0354 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.95	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0355 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.12	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0356 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.30	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0357 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.82	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0358 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.09	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0359 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.38	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0360 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.87	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0361 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.82	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0362 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.88	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0363 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.75	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0364 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.12	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0365 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.07	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.15	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.68	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.88	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.09	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.02	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.33	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.84	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.47	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0375 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.77	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0376 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.05	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0377 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.58	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0378 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.96	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0379 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.39	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.11	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0381 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.76	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0382 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.19	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0383 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.89	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0384 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.35	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0385 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.87	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0386 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.98	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.02	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0387 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.61	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-0388 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.66	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-0389 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.88	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0390 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.26	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0391 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.65	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0392 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.59	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.94	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0395 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.05	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0396 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.14	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0397 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.65	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0398 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.15	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0399 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.61	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0400 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.31	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0401 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.20	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0402 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.67	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0403 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.14	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0404 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.91	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0405 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.11	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0406 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.44	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0407 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.43	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.59	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.62	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.96	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.93	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.62	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.07	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0415 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.27	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0416 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.37	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0417 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.02	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0418 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.52	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0419 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.29	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0420 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.04	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0421 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.53	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0422 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.56	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0423 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.27	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0424 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.12	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0425 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.16	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0426 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.87	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0427 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.95	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0428 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.56	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0429	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.41	
			<i>For >100 To 250, Deduct</i>	-2.29	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0430	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.96	
			<i>For >100 To 250, Deduct</i>	-2.29	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0431	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.75	
			<i>For >100 To 250, Deduct</i>	-2.29	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0432	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.19	
			<i>For >100 To 250, Deduct</i>	-2.29	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0433			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0434	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.63	
			<i>For >100 To 250, Deduct</i>	-2.29	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0435	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.87	
			<i>For >100 To 250, Deduct</i>	-2.29	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.21	
			<i>For >100 To 250, Deduct</i>	-2.29	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.77	
			<i>For >100 To 250, Deduct</i>	-2.33	
			<i>For >250 To 500, Deduct</i>	-2.92	
			<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.78	
			<i>For >100 To 250, Deduct</i>	-2.33	
			<i>For >250 To 500, Deduct</i>	-2.92	
			<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.45	
			<i>For >100 To 250, Deduct</i>	-2.33	
			<i>For >250 To 500, Deduct</i>	-2.92	
			<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0440	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.19	
			<i>For >100 To 250, Deduct</i>	-2.38	
			<i>For >250 To 500, Deduct</i>	-2.97	
			<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0441	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.38	
			<i>For >100 To 250, Deduct</i>	-2.38	
			<i>For >250 To 500, Deduct</i>	-2.97	
			<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0442	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.28	
			<i>For >100 To 250, Deduct</i>	-2.38	
			<i>For >250 To 500, Deduct</i>	-2.97	
			<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.93	
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-3.03	
			<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.68	
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-3.03	
			<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.89	
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-3.03	
			<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.25	
			<i>For >100 To 250, Deduct</i>	-2.47	
			<i>For >250 To 500, Deduct</i>	-3.09	
			<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.66	
			<i>For >100 To 250, Deduct</i>	-2.47	
			<i>For >250 To 500, Deduct</i>	-3.09	
			<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.75	
			<i>For >100 To 250, Deduct</i>	-2.47	
			<i>For >250 To 500, Deduct</i>	-3.09	
			<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	31.01	
			<i>For >100 To 250, Deduct</i>	-2.51	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-3.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	32.38	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	33.56	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	34.73	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.87	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.95	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.93	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.90	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.62	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.77	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.91	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.57	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.00	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.35	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.67	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.38	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	32.85	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	33.56	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	41.71	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	42.33	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	44.03	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	45.19	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.22	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.34	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.40	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.53	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.84	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.98	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.11	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.35	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.73	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.09	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.51	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.70	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-0486 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.95	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-0487 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.34	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0488 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.81	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0489 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.02	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0491 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.33	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0492 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.40	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493	EA			5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.63	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0494	EA			5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.67	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0495	EA			5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.03	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0496	EA			5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.37	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0497	EA			5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.47	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0498	EA			5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.89	
				<i>For >100 To 250, Deduct</i>	-1.69	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0499	EA			5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.11	
				<i>For >100 To 250, Deduct</i>	-1.69	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0500	EA			5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.60	
				<i>For >100 To 250, Deduct</i>	-1.69	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0501	EA			5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.12	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.17	
				<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0502	EA			5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.30	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.17	
				<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0503	EA			5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.59	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.17	
				<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0504	EA			5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.01	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0505	EA			5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.22	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0506	EA			5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.63	
				<i>For >100 To 250, Deduct</i>	-1.78	
				<i>For >250 To 500, Deduct</i>	-2.23	
				<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0507				3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0508	EA			3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.57	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0509	EA			3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.60	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0510	EA			3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.61	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0511	EA			3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.88	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0512	EA			3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.26	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0513	EA			3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.53	
				<i>For >100 To 250, Deduct</i>	-1.65	
				<i>For >250 To 500, Deduct</i>	-2.06	
				<i>For >500, Deduct</i>	-2.47	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0514 EA 3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.77	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0515 EA 3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.76	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0516 EA 3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.07	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0517 EA 3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.13	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0518 EA 3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.48	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0519 EA 3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.82	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0520 EA 3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.31	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0521 EA 3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.89	
For>100 To 250, Deduct	-1.78	
For>250 To 500, Deduct	-2.23	
For>500, Deduct	-2.67	
05 05 23 00-0522 EA 3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.56	
For>100 To 250, Deduct	-1.78	
For>250 To 500, Deduct	-2.23	
For>500, Deduct	-2.67	
05 05 23 00-0523 EA 3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.13	
For>100 To 250, Deduct	-1.78	
For>250 To 500, Deduct	-2.23	
For>500, Deduct	-2.67	
05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0525 EA 7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.97	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0526 EA 7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.01	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0527 EA 7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.43	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0528 EA 7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.70	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0529 EA 7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.17	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0530 EA 7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.43	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0531 EA 7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.71	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0532 EA 7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.76	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0533 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.58	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0534 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.36	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535	EA			7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.65	
				<i>For >100 To 250, Deduct</i>	-1.97	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0536	EA			7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.08	
				<i>For >100 To 250, Deduct</i>	-1.97	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0537	EA			7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.95	
				<i>For >100 To 250, Deduct</i>	-2.01	
				<i>For >250 To 500, Deduct</i>	-2.52	
				<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0538	EA			7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.34	
				<i>For >100 To 250, Deduct</i>	-2.01	
				<i>For >250 To 500, Deduct</i>	-2.52	
				<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0539	EA			7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.45	
				<i>For >100 To 250, Deduct</i>	-2.01	
				<i>For >250 To 500, Deduct</i>	-2.52	
				<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0540				1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541	EA			1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.24	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0542	EA			1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.55	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0543	EA			1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.74	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0544	EA			1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.17	
				<i>For >100 To 250, Deduct</i>	-1.87	
				<i>For >250 To 500, Deduct</i>	-2.34	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0545	EA			1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.51	
				<i>For >100 To 250, Deduct</i>	-1.87	
				<i>For >250 To 500, Deduct</i>	-2.34	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0546	EA			1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.27	
				<i>For >100 To 250, Deduct</i>	-1.87	
				<i>For >250 To 500, Deduct</i>	-2.34	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0547	EA			1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.03	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0548	EA			1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.48	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0549	EA			1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.80	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0550	EA			1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.58	
				<i>For >100 To 250, Deduct</i>	-1.97	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0551	EA			1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.54	
				<i>For >100 To 250, Deduct</i>	-1.97	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0552	EA			1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.42	
				<i>For >100 To 250, Deduct</i>	-1.97	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0553	EA			1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.42	
				<i>For >100 To 250, Deduct</i>	-2.01	
				<i>For >250 To 500, Deduct</i>	-2.52	
				<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0554	EA			1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.81	
				<i>For >100 To 250, Deduct</i>	-2.01	
				<i>For >250 To 500, Deduct</i>	-2.52	
				<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0555	EA			1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.91	
				<i>For >100 To 250, Deduct</i>	-2.01	
				<i>For >250 To 500, Deduct</i>	-2.52	
				<i>For >500, Deduct</i>	-3.02	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0556 EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.97	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0557 EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.77	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0558 EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.18	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0559 EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.15	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0561 EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.53	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.74	
05 05 23 00-0562 EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.71	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.74	
05 05 23 00-0563 EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.14	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.74	
05 05 23 00-0564 EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.00	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-2.81	
05 05 23 00-0565 EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.15	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-2.81	
05 05 23 00-0566 EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.77	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-2.81	
05 05 23 00-0567 EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.42	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0568 EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.46	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0569 EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.86	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0570 EA 9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.41	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0571 EA 9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.29	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0572 EA 9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.64	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0573 EA 9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.79	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0574 EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.63	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0575 EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.89	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.34	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.52	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.99	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.90	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.46	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.77	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.21	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.22	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.66	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.37	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.84	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.83	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.41	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.54	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.01	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.24	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.46	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.63	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.69	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0597 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.39	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0598 EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.59	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0599 EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.72	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0600 EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.23	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0601 EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.65	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0602 EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.85	
For>100 To 250, Deduct	-2.10	
For>250 To 500, Deduct	-2.63	
For>500, Deduct	-3.15	
05 05 23 00-0603 EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.59	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0604 EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.69	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0605 EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.33	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0606 EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.15	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0607 EA 3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.01	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0608 EA 3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.61	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0609 EA 3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.79	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0610 EA 3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.65	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0611 EA 3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.09	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0612 EA 3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.43	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0613 EA 3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.98	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0614 EA 3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.10	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0615 EA 3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.51	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)	17.43	
EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.43	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0618 EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.96	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619	EA			7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....18.97 <i>For >100 To 250, Deduct</i> -2.33 <i>For >250 To 500, Deduct</i> -2.92 <i>For >500, Deduct</i> -3.50		
05 05 23 00-0620	EA			7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....20.56 <i>For >100 To 250, Deduct</i> -2.33 <i>For >250 To 500, Deduct</i> -2.92 <i>For >500, Deduct</i> -3.50		
05 05 23 00-0621	EA			7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....20.74 <i>For >100 To 250, Deduct</i> -2.33 <i>For >250 To 500, Deduct</i> -2.92 <i>For >500, Deduct</i> -3.50		
05 05 23 00-0622	EA			7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....21.31 <i>For >100 To 250, Deduct</i> -2.38 <i>For >250 To 500, Deduct</i> -2.97 <i>For >500, Deduct</i> -3.57		
05 05 23 00-0623	EA			7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....25.14 <i>For >100 To 250, Deduct</i> -2.38 <i>For >250 To 500, Deduct</i> -2.97 <i>For >500, Deduct</i> -3.57		
05 05 23 00-0624	EA			7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....26.12 <i>For >100 To 250, Deduct</i> -2.38 <i>For >250 To 500, Deduct</i> -2.97 <i>For >500, Deduct</i> -3.57		
05 05 23 00-0625	EA			7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....28.62 <i>For >100 To 250, Deduct</i> -2.42 <i>For >250 To 500, Deduct</i> -3.03 <i>For >500, Deduct</i> -3.64		
05 05 23 00-0626	EA			7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....30.06 <i>For >100 To 250, Deduct</i> -2.42 <i>For >250 To 500, Deduct</i> -3.03 <i>For >500, Deduct</i> -3.64		
05 05 23 00-0627	EA			7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....33.76 <i>For >100 To 250, Deduct</i> -2.42 <i>For >250 To 500, Deduct</i> -3.03 <i>For >500, Deduct</i> -3.64		
05 05 23 00-0628	EA			7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....35.22 <i>For >100 To 250, Deduct</i> -2.47 <i>For >250 To 500, Deduct</i> -3.09 <i>For >500, Deduct</i> -3.70		
05 05 23 00-0629	EA			7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....39.04 <i>For >100 To 250, Deduct</i> -2.47 <i>For >250 To 500, Deduct</i> -3.09 <i>For >500, Deduct</i> -3.70		
05 05 23 00-0630	EA			7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....40.58 <i>For >100 To 250, Deduct</i> -2.47 <i>For >250 To 500, Deduct</i> -3.09 <i>For >500, Deduct</i> -3.70		
05 05 23 00-0631	EA			7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....42.04 <i>For >100 To 250, Deduct</i> -2.51 <i>For >250 To 500, Deduct</i> -3.14 <i>For >500, Deduct</i> -3.77		
05 05 23 00-0632	EA			7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....42.49 <i>For >100 To 250, Deduct</i> -2.51 <i>For >250 To 500, Deduct</i> -3.14 <i>For >500, Deduct</i> -3.77		
05 05 23 00-0633	EA			7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....42.87 <i>For >100 To 250, Deduct</i> -2.51 <i>For >250 To 500, Deduct</i> -3.14 <i>For >500, Deduct</i> -3.77		
05 05 23 00-0634	EA			7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....43.78 <i>For >100 To 250, Deduct</i> -2.51 <i>For >250 To 500, Deduct</i> -3.14 <i>For >500, Deduct</i> -3.77		
05 05 23 00-0635				1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636	EA			1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....18.94 <i>For >100 To 250, Deduct</i> -2.29 <i>For >250 To 500, Deduct</i> -2.86 <i>For >500, Deduct</i> -3.43		
05 05 23 00-0637	EA			1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....20.27 <i>For >100 To 250, Deduct</i> -2.29 <i>For >250 To 500, Deduct</i> -2.86 <i>For >500, Deduct</i> -3.43		
05 05 23 00-0638	EA			1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....21.08 <i>For >100 To 250, Deduct</i> -2.33 <i>For >250 To 500, Deduct</i> -2.92 <i>For >500, Deduct</i> -3.50		
05 05 23 00-0639	EA			1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....22.07 <i>For >100 To 250, Deduct</i> -2.33 <i>For >250 To 500, Deduct</i> -2.92 <i>For >500, Deduct</i> -3.50		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0640 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.93	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-0641 EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.65	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-0642 EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.25	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-0643 EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.39	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-0644 EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.63	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0645 EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.53	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0646 EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.00	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0647 EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.91	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-3.09	
For >500, Deduct	-3.70	
05 05 23 00-0648 EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.96	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-3.09	
For >500, Deduct	-3.70	
05 05 23 00-0649 EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	41.83	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-3.09	
For >500, Deduct	-3.70	
05 05 23 00-0650 EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.75	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-0651 EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	46.21	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-0652 EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	50.06	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-0653 EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	52.41	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-</small>		
<small>0097)</small>		
05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656 EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.38	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0657 EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.40	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0658 EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0659 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.70	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0660 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.22	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.29	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.54	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.73	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.78	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.14	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.31	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.74	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.20	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.78	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.26	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.78	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.85	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.32	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.82	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.28	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.32	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0683	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.06	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0684	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.21	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0685	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0686	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
			<i>For >100 To 250, Deduct</i>	-1.78	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0687	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.18	
			<i>For >100 To 250, Deduct</i>	-1.78	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0688	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.75	
			<i>For >100 To 250, Deduct</i>	-1.78	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts					
<small>(05 05 23 00-0654)</small>					
05 05 23 00-0690	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0691	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0692	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.67	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0693	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.99	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0694	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.36	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0695	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0696	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.82	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0697	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.31	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.44	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.57	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.65	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0703 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0704 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.95	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0705 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0707 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.35	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0708 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0709 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.37	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0710 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.35	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0711 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.38	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0712 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.42	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0713 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.02	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0714 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.43	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0715 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.80	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0716 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.44	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0717 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.87	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0719 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0720 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.29	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0721 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.66	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0722 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.32	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0723 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-2.81	
05 05 23 00-0725 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0726 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.67	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0727 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.10	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0728 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.52	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0729 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.00	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0730 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.04	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0731 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.36	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0732 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.49	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0733 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.85	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.02	
05 05 23 00-0734 EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.79	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0735 EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.08	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0736 EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.14	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0737 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.31	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0739 EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.92	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0740 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.21	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0741 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.41	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-0742 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.95	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0743 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.38	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0744 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.33	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.71	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.88	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.17	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.78	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.11	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.09	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.38	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.09	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.60	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.54	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.35	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.20	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.34	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.31	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.37	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.72	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.74	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.07	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.92	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.61	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.69	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0767 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.87	
For>100 To 250, Deduct	-2.15	
For>250 To 500, Deduct	-2.69	
For>500, Deduct	-3.22	
05 05 23 00-0768 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.22	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0769 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.35	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0770 EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.82	
For>100 To 250, Deduct	-2.19	
For>250 To 500, Deduct	-2.74	
For>500, Deduct	-3.29	
05 05 23 00-0771 EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.97	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0772 EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.12	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0773 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.58	
For>100 To 250, Deduct	-2.24	
For>250 To 500, Deduct	-2.80	
For>500, Deduct	-3.36	
05 05 23 00-0774 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.50	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0775 EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.98	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0776 EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.26	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0777 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.40	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779 EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.22	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0780 EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.76	
For>100 To 250, Deduct	-2.29	
For>250 To 500, Deduct	-2.86	
For>500, Deduct	-3.43	
05 05 23 00-0781 EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.30	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-0782 EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.15	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-0783 EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.58	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-0784 EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.36	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-0785 EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.96	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-0786 EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.72	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.48	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.08	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.80	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.67	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.77	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.03	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.57	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.18	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.94	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.66	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.05	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.44	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.47	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.28	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.35	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.77	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.96	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.31	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.75	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.80	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808 EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.78	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0809 EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.47	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0810 EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.15	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0811 EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.89	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0812 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	38.24	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0813 EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	39.28	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0814 EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	40.81	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0817 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.38	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0818 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.53	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0819 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.71	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0820 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.91	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0821 EA 1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.34	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0822 EA 1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.64	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0823 EA 1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.99	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0824 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.48	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0825 EA 1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.92	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0826 EA 1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.31	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0827 EA 1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.86	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0828 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.52	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0829 EA 1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	20.37	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.42	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.78	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.67	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.65	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.78	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.06	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.29	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.93	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.08	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.81	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.55	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.37	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.78	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.26	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.31	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.98	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.76	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.00	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.17	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851 EA 3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.61	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0852 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.17	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0853 EA 3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.69	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0854 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.14	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0855 EA 3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.73	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0856 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.50	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0857 EA 3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.19	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0858 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.73	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	
05 05 23 00-0859 EA 3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.14	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0860 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.41	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0861 EA 3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.12	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.17	
For>500, Deduct	-2.61	
05 05 23 00-0862 EA 3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.97	
For>100 To 250, Deduct	-1.78	
For>250 To 500, Deduct	-2.23	
For>500, Deduct	-2.67	
05 05 23 00-0863 EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.36	
For>100 To 250, Deduct	-1.78	
For>250 To 500, Deduct	-2.23	
For>500, Deduct	-2.67	
05 05 23 00-0864 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.06	
For>100 To 250, Deduct	-1.78	
For>250 To 500, Deduct	-2.23	
For>500, Deduct	-2.67	
05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0866 EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.58	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0867 EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.76	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0868 EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.48	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0869 EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.14	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0870 EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.00	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0871 EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.43	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.32	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.00	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.74	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.26	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.82	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.17	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.71	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.02	
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0875)</small>	11.56	
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.56	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.76	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.89	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.57	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.59	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.15	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.05	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.54	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.23	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.19	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.40	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.78	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.03	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.02	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0893 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.85	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-0894 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.14	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-0895 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.68	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0896 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.19	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0897 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.76	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0898 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.30	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0900 EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.46	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0901 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.79	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0902 EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.89	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-0903 EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.94	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0904 EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.39	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0905 EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.93	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-0906 EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.89	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0907 EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.46	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0908 EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.83	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0909 EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.58	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0910 EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.45	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0912 EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.69	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-0913 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.23	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.46	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.05	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.11	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.63	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.76	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.78	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.48	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.68	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.21	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.83	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.13	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.67	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.82	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.74	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.23	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.91	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.65	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.13	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.18	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.55	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.26	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0936 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.78	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0937 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.34	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0938 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.09	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0939 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.46	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0940 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.37	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0941 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.56	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-3.29	
05 05 23 00-0942 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.78	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-3.29	
05 05 23 00-0943 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.93	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-3.29	
05 05 23 00-0944 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.20	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-0945 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.73	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-0946 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.26	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-0947 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.84	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0948 EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.03	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0949 EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.25	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0950 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	69.73	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0952 EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.83	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0953 EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.43	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-0954 EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.64	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-0955 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.29	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.15	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0957 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.55	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0958 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.39	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0959 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.14	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	
05 05 23 00-0960 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.23	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0961 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.45	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0962 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.63	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-3.64	
05 05 23 00-0963 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.52	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0964 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.99	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0965 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	72.40	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-3.09	
<i>For >500, Deduct</i>	-3.70	
05 05 23 00-0966 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	86.00	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0967 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	96.72	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0968 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	101.67	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0969 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	106.61	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-3.77	
05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.13	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0972 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.04	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-0973 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.10	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0974 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.49	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0975 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.43	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-3.50	
05 05 23 00-0976 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.08	
<i>For >100 To 250, Deduct</i>	-2.38	
<i>For >250 To 500, Deduct</i>	-2.97	
<i>For >500, Deduct</i>	-3.57	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0977 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.83	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-0978 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.88	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-0979 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.92	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-0980 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.15	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-0981 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	69.02	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-0982 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	83.01	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0983 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	85.06	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0984 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	87.10	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-0985 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	91.43	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0986 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	97.72	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0987 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	126.25	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0988 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	159.50	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0997)</small>		
05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-0991 EA 1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.66	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0992 EA 1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.96	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0993 EA 1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.18	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0994 EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.33	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.00	
For>500, Deduct	-2.40	
05 05 23 00-0995 EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.99	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0996 EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.38	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0997 EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.77	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.06	
For>500, Deduct	-2.47	
05 05 23 00-0998 EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.31	
For>100 To 250, Deduct	-1.69	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999 EA 4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.63	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1000 EA 5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.78	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1001 EA 5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.01	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-1002 EA 6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.28	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-1003 EA 6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	23.27	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-1004 EA 7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	35.60	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-1005 EA 7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	62.27	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-1006 EA 8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	68.35	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-2.23	
<i>For >500, Deduct</i>	-2.67	
05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)		
05 05 23 00-1008 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.07	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1009 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.41	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1010 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.98	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1011 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.42	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1012 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.83	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-1013 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.71	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-1014 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.33	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.06	
<i>For >500, Deduct</i>	-2.47	
05 05 23 00-1015 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.82	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1016 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.13	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1017 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.40	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1018 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.55	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	
05 05 23 00-1019 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	16.58	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.61	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.08	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-1021 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	37.38	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1023 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.97	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1024 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.11	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1025 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.64	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1026 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.91	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1027 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.59	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-1028 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.82	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-1029 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.92	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-1030 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	14.32	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1031 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.01	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1032 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.49	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1033 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.25	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-1034 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	19.12	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-1035 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.20	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.61	
05 05 23 00-1036 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	24.15	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-1037 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.85	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-1038 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	40.17	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1040 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.24	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.04	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	15.53	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-1043 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.05	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1044 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	18.49	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1045 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.84	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1046 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	23.32	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1047 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.73	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1048 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	24.59	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1049 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.50	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1050 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	26.01	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1051 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.63	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1052 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	27.35	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.02	
05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)	13.20	
05 05 23 00-1054 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.20	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-1055 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.06	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-1056 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	15.26	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.74	
05 05 23 00-1057 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.93	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1058 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	18.26	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1059 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.59	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1060 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	19.37	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.93	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1062 EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	27.13	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-1063 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.75	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-1064 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	28.57	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-1065 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.00	
For>100 To 250, Deduct	-1.97	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-1066 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	39.54	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-1067 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.32	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-1068 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	46.93	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.52	
For>500, Deduct	-3.02	
05 05 23 00-1069 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.35	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-1070 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	67.21	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-1071 EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.50	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-1072 EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	70.51	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-2.57	
For>500, Deduct	-3.09	
05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074 EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	34.74	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-1075 EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.57	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-1076 EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	47.03	
For>100 To 250, Deduct	-1.83	
For>250 To 500, Deduct	-2.29	
For>500, Deduct	-2.74	
05 05 23 00-1077 EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.57	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-1078 EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	58.16	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-1079 EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	63.75	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-2.34	
For>500, Deduct	-2.81	
05 05 23 00-1080 EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	67.47	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-1081 EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	72.07	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-1082 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	76.17	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	77.63	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	81.23	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	18.73	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.97	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	19.06	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.09	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.89	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	22.55	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.82	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.15	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	29.15	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.76	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	35.36	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.22	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.62	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	39.93	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.00	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-2.74	
<i>For >500, Deduct</i>	-3.29	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	51.14	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.17	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	55.94	
<i>For >100 To 250, Deduct</i>	-2.24	
<i>For >250 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.36	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.57	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	62.76	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	78.00	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-2.86	
<i>For >500, Deduct</i>	-3.43	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1104 EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	94.28	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106 EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	25.14	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-1107 EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.71	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-1108 EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	27.91	
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-2.57	
For >500, Deduct	-3.09	
05 05 23 00-1109 EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.05	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-1110 EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	34.15	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-1111 EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.52	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-1112 EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	41.81	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-1113 EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.90	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-1114 EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	45.05	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-1115 EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.82	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-3.29	
05 05 23 00-1116 EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	49.44	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-3.29	
05 05 23 00-1117 EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.51	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-3.29	
05 05 23 00-1118 EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	69.41	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-1119 EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	78.51	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-1120 EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	79.88	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.36	
05 05 23 00-1121 EA 3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	85.58	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-1122 EA 3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	99.36	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-1123 EA 3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	100.53	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-1124 EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	103.44	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1126 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.37	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-1127 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	32.16	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-1128 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.46	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-1129 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	39.76	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-1130 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.14	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	
05 05 23 00-1131 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.46	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-1132 EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.67	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-1133 EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	54.90	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.57	
05 05 23 00-1134 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.32	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-1135 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	57.72	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-1136 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	77.95	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-1137 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	87.10	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-3.09	
For >500, Deduct	-3.70	
05 05 23 00-1138 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	96.71	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-3.09	
For >500, Deduct	-3.70	
05 05 23 00-1139 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	101.44	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-3.09	
For >500, Deduct	-3.70	
05 05 23 00-1140 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	107.82	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-1141 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	111.93	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-1142 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	116.01	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
05 05 23 00-1143 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	120.60	
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-3.14	
For >500, Deduct	-3.77	
 05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1145 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	36.71	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-3.43	
05 05 23 00-1146 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.77	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-3.50	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1147 EA 1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	46.69	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-1148 EA 1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.93	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.92	
For>500, Deduct	-3.50	
05 05 23 00-1149 EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	55.40	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-1150 EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.64	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-1151 EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	63.92	
For>100 To 250, Deduct	-2.38	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.57	
05 05 23 00-1152 EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.45	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-1153 EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	79.51	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-1154 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	90.41	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	
05 05 23 00-1155 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	105.54	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-1156 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	118.07	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-1157 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	119.88	
For>100 To 250, Deduct	-2.47	
For>250 To 500, Deduct	-3.09	
For>500, Deduct	-3.70	
05 05 23 00-1158 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	124.20	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-1159 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	125.92	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-1160 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	146.74	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-1161 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	166.83	
For>100 To 250, Deduct	-2.51	
For>250 To 500, Deduct	-3.14	
For>500, Deduct	-3.77	
05 05 23 00-1162 Screws (05 05 23)		
05 05 23 00-1163 Teks® 5 Self Drilling Screws (05 05 23 00-1162)		
Note: Includes Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.33	
For>10 To 50, Deduct	-0.19	
For>50 To 100, Deduct	-0.39	
For>100, Deduct	-0.79	
05 05 23 00-1165 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.51	
For>10 To 50, Deduct	-0.19	
For>50 To 100, Deduct	-0.40	
For>100, Deduct	-0.80	
05 05 23 00-1166 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.03	
For>10 To 50, Deduct	-0.20	
For>50 To 100, Deduct	-0.43	
For>100, Deduct	-0.86	
05 05 23 00-1167 EA 1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	6.92	
For>10 To 50, Deduct	-0.25	
For>50 To 100, Deduct	-0.55	
For>100, Deduct	-1.11	
05 05 23 00-1168 EA 1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.39	
For>10 To 50, Deduct	-0.27	
For>50 To 100, Deduct	-0.58	
For>100, Deduct	-1.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169 EA 1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.15	
<i>For >10 To 50, Deduct</i>	-0.28	
<i>For >50 To 100, Deduct</i>	-0.65	
<i>For >100, Deduct</i>	-1.30	
05 05 23 00-1170 EA 1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.22	
<i>For >10 To 50, Deduct</i>	-0.29	
<i>For >50 To 100, Deduct</i>	-0.69	
<i>For >100, Deduct</i>	-1.39	
05 05 23 00-1171 Security Screws <small>(05 05 23 00-1162)</small>		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small>		
<i>Note: Includes "security" style drive in machine or sheet metal screw threads.</i>		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.42	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100, Deduct</i>	-0.65	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.01	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.51	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.69	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.01	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100, Deduct</i>	-0.73	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.14	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100, Deduct</i>	-0.69	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.38	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.70	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.88	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.72	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.04	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100, Deduct</i>	-0.73	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.29	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.69	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.36	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.70	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.58	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.25	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100, Deduct</i>	-0.74	
05 05 23 00-1186 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.69	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1187 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.84	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.72	
05 05 23 00-1188 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.49	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100, Deduct</i>	-0.75	
05 05 23 00-1189 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	6.52	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.40	
<i>For >100, Deduct</i>	-0.81	

05 05 23 00-1190

Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		washers.		
05 05 23 00-1191		Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.61	0.56
		<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.48	0.62
		<i>For Left Hand Threaded Rod, Add</i>	0.22	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.04	0.72
		<i>For Left Hand Threaded Rod, Add</i>	0.26	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.55	0.73
		<i>For Left Hand Threaded Rod, Add</i>	0.41	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.69	0.76
		<i>For Left Hand Threaded Rod, Add</i>	0.42	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.12	0.77
		<i>For Left Hand Threaded Rod, Add</i>	0.56	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.05	0.78
		<i>For Left Hand Threaded Rod, Add</i>	0.65	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.39	0.81
		<i>For Left Hand Threaded Rod, Add</i>	1.18	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.62	0.83
		<i>For Left Hand Threaded Rod, Add</i>	1.30	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	20.08	0.94
		<i>For Left Hand Threaded Rod, Add</i>	1.82	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.04	1.05
		<i>For Left Hand Threaded Rod, Add</i>	2.30	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	33.31	1.13
		<i>For Left Hand Threaded Rod, Add</i>	3.10	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	41.54	1.23
		<i>For Left Hand Threaded Rod, Add</i>	3.91	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	49.77	1.28
		<i>For Left Hand Threaded Rod, Add</i>	4.72	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	61.13	1.34
		<i>For Left Hand Threaded Rod, Add</i>	5.84	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	78.21	1.41
		<i>For Left Hand Threaded Rod, Add</i>	7.54	
05 05 23 00-1208		Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.63	0.56
		<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.97	0.62
		<i>For Left Hand Threaded Rod, Add</i>	0.27	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.41	0.72
		<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.47	0.73
		<i>For Left Hand Threaded Rod, Add</i>	0.50	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.99	0.76
		<i>For Left Hand Threaded Rod, Add</i>	0.55	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.24	0.77
		<i>For Left Hand Threaded Rod, Add</i>	0.77	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.83	0.78
		<i>For Left Hand Threaded Rod, Add</i>	0.83	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	14.92	0.81
		<i>For Left Hand Threaded Rod, Add</i>	1.33	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	19.41	0.83
		<i>For Left Hand Threaded Rod, Add</i>	1.78	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	26.11	0.94
		<i>For Left Hand Threaded Rod, Add</i>	2.42	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	33.77	1.05
		<i>For Left Hand Threaded Rod, Add</i>	3.17	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	40.33	1.13
		<i>For Left Hand Threaded Rod, Add</i>	3.80	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	45.89	1.23
		<i>For Left Hand Threaded Rod, Add</i>	4.34	
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	57.90	1.28
		<i>For Left Hand Threaded Rod, Add</i>	5.53	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	71.84	1.34
		<i>For Left Hand Threaded Rod, Add</i>	6.92	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	105.05	1.41
		<i>For Left Hand Threaded Rod, Add</i>	10.22	
05 05 23 00-1225		Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.46	0.72
		<i>For Left Hand Threaded Rod, Add</i>	0.61	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.53	0.76
		<i>For Left Hand Threaded Rod, Add</i>	0.90	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	14.32	0.78
		<i>For Left Hand Threaded Rod, Add</i>	1.28	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	19.76	0.81
		<i>For Left Hand Threaded Rod, Add</i>	1.82	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	27.47	0.83
		<i>For Left Hand Threaded Rod, Add</i>	2.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	35.49 3.36	0.94
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	46.77 4.47	1.05
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	61.58 5.92	1.13
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	68.87 6.64	1.23
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	82.06 7.95	1.28
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	99.78 9.71	1.34
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	174.54 17.17	1.41
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.22 0.31	0.56
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	6.53 0.53	0.62
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.47 0.71	0.72
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.95 1.05	0.73
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	14.43 1.29	0.76
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	20.99 1.95	0.77
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	21.94 2.04	0.78
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	30.93 2.93	0.81
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	42.76 4.11	0.83
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	54.94 5.31	0.94
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	116.92 11.46	1.13
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	178.42 17.59	1.28
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	183.51 18.08	1.34
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	254.26 25.14	1.41
05 05 23 00-1253 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	6.31 0.52	0.56
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	10.38 0.91	0.62
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	13.87 1.25	0.72
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	21.93 2.05	0.73
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	23.28 2.18	0.76
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	30.72 2.92	0.77
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	33.10 3.15	0.78
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	48.50 4.69	0.81
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	66.61 6.50	0.83
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	84.37 8.25	0.94
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	178.72 17.64	1.13
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	234.47 23.19	1.28
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	4.70 1.79	0.56
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	7.35 3.06	0.62
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	7.67 3.13	0.72
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	8.39 3.47	0.73

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	9.27 3.89	0.76
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	11.66 5.07	0.77
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	12.04 5.24	0.78
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	16.10 7.25	0.81
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	19.36 8.85	0.83
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	25.18 11.65	0.94
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	32.84 15.38	1.05
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	36.55 17.10	1.13
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	42.24 19.90	1.23
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	51.48 24.46	1.28
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	53.21 25.26	1.34
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	71.60 34.39	1.41
05 05 23 00-1283 Nuts And Washers (05 05 23)		
05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)		
05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.71	0.32
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.80	0.32
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.85	0.32
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.99	0.32
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.08	0.32
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.44	0.32
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.49	0.32
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.77	0.63
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.62	0.63
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.33	0.63
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.48	0.63
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	6.72	0.63
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	9.91	0.63
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	11.48	0.96
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	16.90	0.96
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	24.46	0.96
05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.73	0.32
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.81	0.32
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.88	0.32
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.03	0.32
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.22	0.32
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.48	0.32
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.52	0.32
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.01	0.63
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.86	0.63
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.05	0.63
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.20	0.63
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	8.79	0.63
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.93	0.63
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	14.29	0.96
05 05 23 00-1317 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	25.86	0.96
05 05 23 00-1318 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	37.11	0.96
05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.75	0.32
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.87	0.32
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.94	0.32
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.18	0.32
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.43	0.32
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.72	0.32
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.96	0.32
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.45	0.63
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.70	0.63
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.94	0.63
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.76	0.63
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	9.69	0.63
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	16.00	0.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	16.98	0.96
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	25.93	0.96
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	36.70	0.96
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.75	0.32
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.85	0.32
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.92	0.32
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.16	0.32
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.34	0.32
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.50	0.32
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.66	0.32
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.23	0.63
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.26	0.63
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.51	0.63
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	7.50	0.63
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	9.63	0.63
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.32	0.63
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	16.72	0.96
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	29.21	0.96
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	50.60	0.96
05 05 23 00-1353 304 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.88	0.32
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut.....	1.06	0.32
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut.....	1.21	0.32
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.88	0.32
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut.....	2.04	0.32
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut.....	3.21	0.32
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut.....	3.60	0.32
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut.....	4.16	0.63
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut.....	6.96	0.63
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut.....	10.75	0.63
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	26.16	0.63
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	50.54	0.96
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	89.16	0.96
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut.....	127.23	0.96
05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut.....	1.05	0.32
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut.....	1.22	0.32
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.48	0.32
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut.....	2.53	0.32
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut.....	2.72	0.32
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut.....	3.78	0.32
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut.....	4.29	0.32
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut.....	6.06	0.63
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut.....	8.52	0.63
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut.....	13.23	0.63
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	40.76	0.63
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	66.11	0.96
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	111.83	0.96
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut.....	208.25	0.96
05 05 23 00-1383 Flat Washers (05 05 23 00-1283)		
05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.09	
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.16	
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.24	
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.34	
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.39	
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.66	
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.95	
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.13	
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.39	
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.57	
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.88	
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.95	
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.02	
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.47	
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	5.56	
05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.20	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.28	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.32	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.44	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.59	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.95	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.36	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.92	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.21	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.56	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.17	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.65	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.45	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	8.52	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.45	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	13.74	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.19	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.21	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.40	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.51	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.84	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.94	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.42	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.00	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.20	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.36	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.74	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.34	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.79	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	8.40	

05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.19	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.26	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.36	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.67	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.23	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.54	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.25	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.29	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.83	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.12	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.13	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.68	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	8.11	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	9.89	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	12.29	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	24.15	

05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.38	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.41	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.73	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.86	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.60	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.87	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.38	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.26	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.60	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.37	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	8.40	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.34	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.94	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	11.18	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	16.39	

05 05 23 00-1467 Lock Washers (05 05 23 00-1283)**05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)**

05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.04	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.06	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.10	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.22	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.38	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.63	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.14	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.66	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.55	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.03	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.75	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.47	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.54	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.10	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.12	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.16	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.28	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.44	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.73	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.05	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.66	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.01	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.59	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.17	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.92	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.01	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	10.91	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.16	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.22	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.32	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.59	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.65	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.58	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.86	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.17	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.93	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.55	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.69	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.88	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	16.39	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	19.66	
05 05 23 00-1517 316 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.20	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.43	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.50	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.85	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.94	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.69	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.85	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer	3.20	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer	5.28	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer	7.19	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	10.04	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	15.44	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	27.65	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	30.70	
05 05 23 00-1532 Load Indicating Washers <small>(05 05 23 00-1283)</small>		
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1532)</small>		
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1533)</small>		
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.76	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.13	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.37	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.83	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.62	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.69	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.94	
05 05 23 00-1542 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.68	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1543 EA 1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	13.95	
05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1545 EA 1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.50	
05 05 23 00-1546 EA 5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.89	
05 05 23 00-1547 EA 3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.79	
05 05 23 00-1548 EA 7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.62	
05 05 23 00-1549 EA 1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.48	
05 05 23 00-1550 EA 1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.26	
05 05 23 00-1551 EA 1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.39	
05 05 23 00-1552 EA 1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	14.79	
05 05 23 00-1553 EA 1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	16.27	
05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)		
05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1556 EA 1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.56	
05 05 23 00-1557 EA 5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.66	
05 05 23 00-1558 EA 3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.76	
05 05 23 00-1559 EA 7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	5.79	
05 05 23 00-1560 EA 1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	6.09	
05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1562 EA 1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.56	
05 05 23 00-1563 EA 5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85	
05 05 23 00-1564 EA 3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85	
05 05 23 00-1565 EA 7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.25	
05 05 23 00-1566 EA 1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.71	
05 05 23 00-1567 Drilling In Existing Steel Plates (05 05 23)		
05 05 23 00-1568 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	21.18	
For Aluminum, Deduct	-2.12	
For Stainless Steel, Add	2.65	
For >5 To 10, Deduct	-2.12	
For >10 To 25, Deduct	-5.30	
For >25 To 50, Deduct	-7.41	
For >50, Deduct	-10.59	
05 05 23 00-1569 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	24.92	
For Aluminum, Deduct	-2.49	
For Stainless Steel, Add	3.12	
For >5 To 10, Deduct	-2.49	
For >10 To 25, Deduct	-6.23	
For >25 To 50, Deduct	-8.72	
For >50, Deduct	-12.46	
05 05 23 00-1570 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	29.90	
For Aluminum, Deduct	-2.99	
For Stainless Steel, Add	3.74	
For >5 To 10, Deduct	-2.99	
For >10 To 25, Deduct	-7.48	
For >25 To 50, Deduct	-10.47	
For >50, Deduct	-14.95	
05 05 23 00-1571 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	34.89	
For Aluminum, Deduct	-3.49	
For Stainless Steel, Add	4.36	
For >5 To 10, Deduct	-3.49	
For >10 To 25, Deduct	-8.72	
For >25 To 50, Deduct	-12.21	
For >50, Deduct	-17.45	
05 05 23 00-1572 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	46.72	
For Aluminum, Deduct	-4.67	
For Stainless Steel, Add	5.84	
For >5 To 10, Deduct	-4.67	
For >10 To 25, Deduct	-11.68	
For >25 To 50, Deduct	-16.35	
For >50, Deduct	-23.36	
05 05 23 00-1573 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	24.92	
For Aluminum, Deduct	-2.49	
For Stainless Steel, Add	3.12	
For >5 To 10, Deduct	-2.49	
For >10 To 25, Deduct	-6.23	
For >25 To 50, Deduct	-8.72	
For >50, Deduct	-12.46	
05 05 23 00-1574 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	31.15	
For Aluminum, Deduct	-3.12	
For Stainless Steel, Add	3.89	
For >5 To 10, Deduct	-3.12	
For >10 To 25, Deduct	-7.79	
For >25 To 50, Deduct	-10.90	
For >50, Deduct	-15.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1575 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	37.38	
<i>For Aluminum, Deduct</i>	-3.74	
<i>For Stainless Steel, Add</i>	4.67	
<i>For >5 To 10, Deduct</i>	-3.74	
<i>For >10 To 25, Deduct</i>	-9.35	
<i>For >25 To 50, Deduct</i>	-13.08	
<i>For >50, Deduct</i>	-18.69	
05 05 23 00-1576 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	46.72	
<i>For Aluminum, Deduct</i>	-4.67	
<i>For Stainless Steel, Add</i>	5.84	
<i>For >5 To 10, Deduct</i>	-4.67	
<i>For >10 To 25, Deduct</i>	-11.68	
<i>For >25 To 50, Deduct</i>	-16.35	
<i>For >50, Deduct</i>	-23.36	
05 05 23 00-1577 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	31.15	
<i>For Aluminum, Deduct</i>	-3.12	
<i>For Stainless Steel, Add</i>	3.89	
<i>For >5 To 10, Deduct</i>	-3.12	
<i>For >10 To 25, Deduct</i>	-7.79	
<i>For >25 To 50, Deduct</i>	-10.90	
<i>For >50, Deduct</i>	-15.58	
05 05 23 00-1578 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	41.12	
<i>For Aluminum, Deduct</i>	-4.11	
<i>For Stainless Steel, Add</i>	5.14	
<i>For >5 To 10, Deduct</i>	-4.11	
<i>For >10 To 25, Deduct</i>	-10.28	
<i>For >25 To 50, Deduct</i>	-14.39	
<i>For >50, Deduct</i>	-20.56	
05 05 23 00-1579 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	49.83	
<i>For Aluminum, Deduct</i>	-4.98	
<i>For Stainless Steel, Add</i>	6.23	
<i>For >5 To 10, Deduct</i>	-4.98	
<i>For >10 To 25, Deduct</i>	-12.46	
<i>For >25 To 50, Deduct</i>	-17.44	
<i>For >50, Deduct</i>	-24.92	

05 05 23 00-1580 Welded Stud Anchors (05 05 23)

05 05 23 00-1581 EA 1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.55
05 05 23 00-1582 EA 2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.65
05 05 23 00-1583 EA 3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.69
05 05 23 00-1584 EA 4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.73
05 05 23 00-1585 EA 1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.45
05 05 23 00-1586 EA 1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.70
05 05 23 00-1587 EA 2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.95
05 05 23 00-1588 EA 2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.08
05 05 23 00-1589 EA 3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.22
05 05 23 00-1590 EA 4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.74
05 05 23 00-1591 EA 5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.16
05 05 23 00-1592 EA 6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.50
05 05 23 00-1593 EA 1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.48
05 05 23 00-1594 EA 1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.51
05 05 23 00-1595 EA 2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.90
05 05 23 00-1596 EA 2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.27
05 05 23 00-1597 EA 3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.72
05 05 23 00-1598 EA 4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.43
05 05 23 00-1599 EA 5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.88
05 05 23 00-1600 EA 6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	9.13
05 05 23 00-1601 EA 8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	11.48
05 05 23 00-1602 EA 2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.88
05 05 23 00-1603 EA 3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.47
05 05 23 00-1604 EA 3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.95
05 05 23 00-1605 EA 4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.43
05 05 23 00-1606 EA 4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.83
05 05 23 00-1607 EA 5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.20
05 05 23 00-1608 EA 6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.68
05 05 23 00-1609 EA 6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	12.69
05 05 23 00-1610 EA 8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	15.47

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)

05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1613 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	10.13
05 05 23 00-1614 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	10.55
05 05 23 00-1615 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	10.67
05 05 23 00-1616 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	10.72
05 05 23 00-1617 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	11.21
05 05 23 00-1618 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	12.08
05 05 23 00-1619 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	20.61
05 05 23 00-1620 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	13.10
05 05 23 00-1621 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	14.66
05 05 23 00-1622 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	19.01

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1623 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	19.49	
05 05 23 00-1624 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	21.19	
05 05 23 00-1625 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	28.33	
05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector <small>(05 05 23 00-1611)</small>		
05 05 23 00-1627 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	12.25	
05 05 23 00-1628 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	12.93	
05 05 23 00-1629 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	13.61	
05 05 23 00-1630 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	15.57	
05 05 23 00-1631 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	20.06	
05 05 23 00-1632 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	22.12	
05 05 23 00-1633 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	24.16	
05 05 23 00-1634 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	29.88	
05 05 23 00-1635 1" Diameter Welded Shear Stud Connector <small>(05 05 23 00-1611)</small>		
05 05 23 00-1636 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	16.70	
05 05 23 00-1637 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	18.80	
05 05 23 00-1638 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	21.88	
05 05 23 00-1639 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	27.79	
05 05 23 00-1640 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	31.02	
05 05 23 00-1641 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	34.25	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing** (05 10)**05 12 23 Structural Steel for Buildings** (05 12)

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003 TON Up To 30 LB/LF Beams, Girders And Columns	11,253.16	1,327.49
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	680.55	
<i>For Hot Dip Galvanizing, Add</i>	2,381.92	
<i>For >10 To 25 Tons, Deduct</i>	-723.08	
<i>For >25 To 50 Tons, Deduct</i>	-1,488.70	
<i>For >50 Tons, Deduct</i>	-2,126.72	
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns	7,897.10	858.13
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	558.53	
<i>For Hot Dip Galvanizing, Add</i>	1,954.87	
<i>For >10 To 25 Tons, Deduct</i>	-593.44	
<i>For >25 To 50 Tons, Deduct</i>	-1,221.79	
<i>For >50 Tons, Deduct</i>	-1,745.42	
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns	6,713.14	482.74
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	495.86	
<i>For Hot Dip Galvanizing, Add</i>	1,735.50	
<i>For >10 To 25 Tons, Deduct</i>	-526.85	
<i>For >25 To 50 Tons, Deduct</i>	-1,084.69	
<i>For >50 Tons, Deduct</i>	-1,549.55	
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns	4,511.83	256.95
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	338.98	
<i>For Hot Dip Galvanizing, Add</i>	1,186.42	
<i>For >10 To 25 Tons, Deduct</i>	-360.16	
<i>For >25 To 50 Tons, Deduct</i>	-741.51	
<i>For >50 Tons, Deduct</i>	-1,059.30	

05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)

05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members	8,379.92	902.80
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	593.39	
<i>For Hot Dip Galvanizing, Add</i>	2,076.88	
<i>For >10 To 25 Tons, Deduct</i>	-630.48	
<i>For >25 To 50 Tons, Deduct</i>	-1,298.05	
<i>For >50 Tons, Deduct</i>	-1,854.36	

05 12 23 00-0009 Shapes (05 12 23 00-0001)**05 12 23 00-0010 Rolled Shape Steel Angles** (05 12 23 00-0009)



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	16,398.12 982.81 3,439.83 -1,044.24 -2,149.90 -3,071.28	2,467.80
05 12 23 00-0012 TON >10 To 20 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	14,498.28 940.16 3,290.56 -998.92 -2,056.60 -2,938.00	1,448.24
05 12 23 00-0013 TON >20 To 58 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,253.33 827.04 2,894.65 -878.73 -1,809.16 -2,584.51	858.13
05 12 23 00-0014 Rolled C, MC Steel Channels <small>(05 12 23 00-0009)</small>		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	17,758.24 967.97 3,387.91 -1,028.47 -2,117.44 -3,024.92	3,379.22
05 12 23 00-0016 TON >10 To 20 Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	14,336.02 927.18 3,245.12 -985.13 -2,028.20 -2,897.43	2,574.65
05 12 23 00-0017 TON >20 To 58 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,067.90 812.21 2,842.73 -862.97 -1,776.71 -2,538.15	858.13
05 12 23 00-0018 Double L Shape Steel Angles <small>(05 12 23 00-0009)</small>		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	15,249.04 945.72 3,310.03 -1,004.83 -2,068.77 -2,955.38	1,958.02
05 12 23 00-0020 TON >20 To 50 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	12,041.43 890.09 3,115.32 -945.72 -1,947.07 -2,781.54	858.13
05 12 23 00-0021 TON >50 To 80 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,091.33 686.11 2,401.39 -728.99 -1,500.87 -2,144.10	482.74
05 12 23 00-0022 TON >80 To 115 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	5,837.27 445.05 1,557.66 -472.86 -973.54 -1,390.77	257.33
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes <small>(05 12 23 00-0001)</small>		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	13,872.43 890.09 3,115.32 -945.72 -1,947.07 -2,781.54	1,448.24
05 12 23 00-0025 TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,422.29 680.55 2,381.92 -723.08 -1,488.70 -2,126.72	858.13

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0026 TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes	7,468.77	482.74
For ASTM A242 Type 2 High Strength Steel, Add	556.31	
For Hot Dip Galvanizing, Add	1,947.08	
For >10 To 25 Tons, Deduct	-591.08	
For >25 To 50 Tons, Deduct	-1,216.92	
For >50 Tons, Deduct	-1,738.46	
05 12 23 00-0027 TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes	5,513.19	256.95
For ASTM A242 Type 2 High Strength Steel, Add	419.08	
For Hot Dip Galvanizing, Add	1,466.80	
For >10 To 25 Tons, Deduct	-445.28	
For >25 To 50 Tons, Deduct	-916.75	
For >50 Tons, Deduct	-1,309.64	
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles	13,153.87	1,448.24
For ASTM A242 Type 2 High Strength Steel, Add	832.61	
For Hot Dip Galvanizing, Add	2,914.12	
For >10 To 25 Tons, Deduct	-884.64	
For >25 To 50 Tons, Deduct	-1,821.33	
For >50 Tons, Deduct	-2,601.90	
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles	9,491.85	858.13
For ASTM A242 Type 2 High Strength Steel, Add	686.11	
For Hot Dip Galvanizing, Add	2,401.40	
For >10 To 25 Tons, Deduct	-729.00	
For >25 To 50 Tons, Deduct	-1,500.87	
For >50 Tons, Deduct	-2,144.11	
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles	6,889.28	482.74
For ASTM A242 Type 2 High Strength Steel, Add	509.95	
For Hot Dip Galvanizing, Add	1,784.82	
For >10 To 25 Tons, Deduct	-541.82	
For >25 To 50 Tons, Deduct	-1,115.51	
For >50 Tons, Deduct	-1,593.59	
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles	5,976.35	256.95
For ASTM A242 Type 2 High Strength Steel, Add	456.17	
For Hot Dip Galvanizing, Add	1,596.60	
For >10 To 25 Tons, Deduct	-484.68	
For >25 To 50 Tons, Deduct	-997.88	
For >50 Tons, Deduct	-1,425.54	
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles	5,167.28	128.99
For ASTM A242 Type 2 High Strength Steel, Add	402.40	
For Hot Dip Galvanizing, Add	1,408.39	
For >10 To 25 Tons, Deduct	-427.55	
For >25 To 50 Tons, Deduct	-880.24	
For >50 Tons, Deduct	-1,257.49	
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles	9,120.96	858.13
For ASTM A242 Type 2 High Strength Steel, Add	656.44	
For Hot Dip Galvanizing, Add	2,297.55	
For >10 To 25 Tons, Deduct	-697.47	
For >25 To 50 Tons, Deduct	-1,435.97	
For >50 Tons, Deduct	-2,051.38	
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles	6,912.46	482.74
For ASTM A242 Type 2 High Strength Steel, Add	511.80	
For Hot Dip Galvanizing, Add	1,791.31	
For >10 To 25 Tons, Deduct	-543.79	
For >25 To 50 Tons, Deduct	-1,119.57	
For >50 Tons, Deduct	-1,599.38	
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles	13,872.43	1,448.24
For ASTM A242 Type 2 High Strength Steel, Add	890.09	
For Hot Dip Galvanizing, Add	3,115.32	
For >10 To 25 Tons, Deduct	-945.72	
For >25 To 50 Tons, Deduct	-1,947.07	
For >50 Tons, Deduct	-2,781.54	
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles	9,955.42	858.13
For ASTM A242 Type 2 High Strength Steel, Add	723.20	
For Hot Dip Galvanizing, Add	2,531.20	
For >10 To 25 Tons, Deduct	-768.40	
For >25 To 50 Tons, Deduct	-1,582.00	
For >50 Tons, Deduct	-2,260.00	
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles	7,074.72	482.74
For ASTM A242 Type 2 High Strength Steel, Add	524.78	
For Hot Dip Galvanizing, Add	1,836.74	
For >10 To 25 Tons, Deduct	-557.58	
For >25 To 50 Tons, Deduct	-1,147.96	
For >50 Tons, Deduct	-1,639.95	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0042 Standard Weight Pipe <small>(05 12 23 00-0001)</small>		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe.....	8,055.88	772.39
For ASTM A242 Type 2 High Strength Steel, Add	578.56	
For Hot Dip Galvanizing, Add	2,024.96	
For >10 To 25 Tons, Deduct	-614.72	
For >25 To 50 Tons, Deduct	-1,265.60	
For >50 Tons, Deduct	-1,808.00	
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe.....	8,586.37	965.49
For ASTM A242 Type 2 High Strength Steel, Add	604.52	
For Hot Dip Galvanizing, Add	2,115.82	
For >10 To 25 Tons, Deduct	-642.30	
For >25 To 50 Tons, Deduct	-1,322.39	
For >50 Tons, Deduct	-1,889.13	
05 12 23 00-0045 Temporary Steel Support For Structures <small>(05 12 23 00-0001)</small>		
Note: Includes removal after use.		
05 12 23 00-0046 TON Up To 30 LB/LF Temporary Steel Support For Structures.....	11,253.16	
Note: For all stock sections.		
05 12 23 00-0047 TON >30 LB/LF Temporary Steel Support For Structures	7,897.10	
Note: For all stock sections.		
05 12 23 00-0048 Structural Steel Shapes <small>(05 12 23)</small>		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.		
05 12 23 00-0049 Steel Rods <small>(05 12 23 00-0048)</small>		
05 12 23 00-0050 TON 1/2" To 5" Diameter Extra Strong Steel, Solid.....	8,710.11	603.50
For ASTM A242 Type 2 High Strength Steel, Add	645.32	
For Hot Dip Galvanizing, Add	2,258.61	
For >10 To 25 Tons, Deduct	-685.65	
For >25 To 50 Tons, Deduct	-1,411.63	
For >50 Tons, Deduct	-2,016.61	
05 12 23 00-0051 TON >5" To 12" Diameter Extra Strong Steel, Solid	9,955.42	858.13
For ASTM A242 Type 2 High Strength Steel, Add	723.20	
For Hot Dip Galvanizing, Add	2,531.20	
For >10 To 25 Tons, Deduct	-768.40	
For >25 To 50 Tons, Deduct	-1,582.00	
For >50 Tons, Deduct	-2,260.00	
05 12 23 00-0052 Column Base Plates <small>(05 12 23 00-0048)</small>		
05 12 23 00-0053 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	4.32	0.79
For ASTM A242 Type 2 High Strength Steel, Add	0.28	
For Hot Dip Galvanizing, Add	0.97	
05 12 23 00-0054 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	4.06	0.67
For ASTM A242 Type 2 High Strength Steel, Add	0.26	
For Hot Dip Galvanizing, Add	0.92	
05 12 23 00-0055 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	7,922.33	705.04
For ASTM A242 Type 2 High Strength Steel, Add	573.62	
For Hot Dip Galvanizing, Add	2,007.68	
For >10 To 25 Tons, Deduct	-609.47	
For >25 To 50 Tons, Deduct	-1,254.80	
For >50 Tons, Deduct	-1,792.57	
05 12 23 00-0056 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items.....	5,637.40	423.03
For ASTM A242 Type 2 High Strength Steel, Add	414.89	
For Hot Dip Galvanizing, Add	1,452.13	
For >10 To 25 Tons, Deduct	-440.82	
For >25 To 50 Tons, Deduct	-907.58	
For >50 Tons, Deduct	-1,296.54	
05 12 23 00-0057 Double Extra Strong Pipes <small>(05 12 23 00-0048)</small>		
05 12 23 00-0058 TON 2" To 5" Diameter Double Extra Strong Pipe	10,402.41	1,103.36
For ASTM A242 Type 2 High Strength Steel, Add	738.03	
For Hot Dip Galvanizing, Add	2,583.12	
For >10 To 25 Tons, Deduct	-784.16	
For >25 To 50 Tons, Deduct	-1,614.45	
For >50 Tons, Deduct	-2,306.36	
05 12 23 00-0059 TON >5" To 8" Diameter Double Extra Strong Pipe.....	9,859.19	594.10
For ASTM A242 Type 2 High Strength Steel, Add	738.03	
For Hot Dip Galvanizing, Add	2,583.12	
For >10 To 25 Tons, Deduct	-784.16	
For >25 To 50 Tons, Deduct	-1,614.45	
For >50 Tons, Deduct	-2,306.36	
05 12 23 00-0060 Structural Pipes <small>(05 12 23 00-0048)</small>		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0061 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	7,274.60	509.77
For ASTM A242 Type 2 High Strength Steel, Add	519.22	
For Hot Dip Galvanizing, Add	1,817.27	
For >10 To 25 Tons, Deduct	-551.67	
For >25 To 50 Tons, Deduct	-1,135.79	
For >50 Tons, Deduct	-1,622.56	
05 12 23 00-0062 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,787.30	587.92
For ASTM A242 Type 2 High Strength Steel, Add	519.22	
For Hot Dip Galvanizing, Add	1,817.27	
For >10 To 25 Tons, Deduct	-551.67	
For >25 To 50 Tons, Deduct	-1,135.79	
For >50 Tons, Deduct	-1,622.56	
05 12 23 00-0063 Structural Tubing (05 12 23 00-0048)		
05 12 23 00-0064 Rectangle Structural Tubing (05 12 23 00-0063)		
05 12 23 00-0065 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle.....	12,138.99	514.93
For ASTM A242 Type 2 High Strength Steel, Add	927.18	
For Hot Dip Galvanizing, Add	3,245.12	
For >10 To 25 Tons, Deduct	-985.13	
For >25 To 50 Tons, Deduct	-2,028.20	
For >50 Tons, Deduct	-2,897.43	
05 12 23 00-0066 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle	12,223.49	594.10
For ASTM A242 Type 2 High Strength Steel, Add	927.18	
For Hot Dip Galvanizing, Add	3,245.12	
For >10 To 25 Tons, Deduct	-985.13	
For >25 To 50 Tons, Deduct	-2,028.20	
For >50 Tons, Deduct	-2,897.43	
05 12 23 00-0067 TON 5" x 4", 3", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle	10,653.74	643.66
For ASTM A242 Type 2 High Strength Steel, Add	797.37	
For Hot Dip Galvanizing, Add	2,790.81	
For >10 To 25 Tons, Deduct	-847.21	
For >25 To 50 Tons, Deduct	-1,744.25	
For >50 Tons, Deduct	-2,491.79	
05 12 23 00-0068 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle	10,095.68	772.39
For ASTM A242 Type 2 High Strength Steel, Add	741.74	
For Hot Dip Galvanizing, Add	2,596.10	
For >10 To 25 Tons, Deduct	-788.10	
For >25 To 50 Tons, Deduct	-1,622.56	
For >50 Tons, Deduct	-2,317.95	
05 12 23 00-0069 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle	9,916.17	858.13
For ASTM A242 Type 2 High Strength Steel, Add	720.06	
For Hot Dip Galvanizing, Add	2,520.21	
For >10 To 25 Tons, Deduct	-765.06	
For >25 To 50 Tons, Deduct	-1,575.13	
For >50 Tons, Deduct	-2,250.19	
05 12 23 00-0070 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle	10,055.31	1,187.55
For ASTM A242 Type 2 High Strength Steel, Add	703.09	
For Hot Dip Galvanizing, Add	2,460.80	
For >10 To 25 Tons, Deduct	-747.03	
For >25 To 50 Tons, Deduct	-1,538.00	
For >50 Tons, Deduct	-2,197.14	
05 12 23 00-0071 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle	10,436.41	1,569.89
For ASTM A242 Type 2 High Strength Steel, Add	700.95	
For Hot Dip Galvanizing, Add	2,453.32	
For >10 To 25 Tons, Deduct	-744.76	
For >25 To 50 Tons, Deduct	-1,533.32	
For >50 Tons, Deduct	-2,190.46	
05 12 23 00-0072 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle	10,683.80	1,714.84
For ASTM A242 Type 2 High Strength Steel, Add	708.36	
For Hot Dip Galvanizing, Add	2,479.28	
For >10 To 25 Tons, Deduct	-752.64	
For >25 To 50 Tons, Deduct	-1,549.55	
For >50 Tons, Deduct	-2,213.64	
05 12 23 00-0073 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle	10,914.27	1,930.99
For ASTM A242 Type 2 High Strength Steel, Add	708.36	
For Hot Dip Galvanizing, Add	2,479.28	
For >10 To 25 Tons, Deduct	-752.64	
For >25 To 50 Tons, Deduct	-1,549.55	
For >50 Tons, Deduct	-2,213.64	
05 12 23 00-0074 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle	11,508.12	2,574.65
For ASTM A242 Type 2 High Strength Steel, Add	700.95	
For Hot Dip Galvanizing, Add	2,453.32	
For >10 To 25 Tons, Deduct	-744.76	
For >25 To 50 Tons, Deduct	-1,533.32	
For >50 Tons, Deduct	-2,190.46	
05 12 23 00-0075 TON 18" x 6", 4" Weight Range 48-76 LB/LF Structural Tubing - Rectangle	12,857.18	4,056.74
For ASTM A242 Type 2 High Strength Steel, Add	682.40	
For Hot Dip Galvanizing, Add	2,388.41	
For >10 To 25 Tons, Deduct	-725.05	
For >25 To 50 Tons, Deduct	-1,492.76	
For >50 Tons, Deduct	-2,132.51	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0076 TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle	14,463.10	5,923.36
For ASTM A242 Type 2 High Strength Steel, Add	651.60	
For Hot Dip Galvanizing, Add	2,280.59	
For >10 To 25 Tons, Deduct	-692.32	
For >25 To 50 Tons, Deduct	-1,425.37	
For >50 Tons, Deduct	-2,036.24	
05 12 23 00-0077 Square Structural Tubing <small>(05 12 23 00-0063)</small>		
05 12 23 00-0078 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square	12,104.66	482.74
For ASTM A242 Type 2 High Strength Steel, Add	927.18	
For Hot Dip Galvanizing, Add	3,245.12	
For >10 To 25 Tons, Deduct	-985.13	
For >25 To 50 Tons, Deduct	-2,028.20	
For >50 Tons, Deduct	-2,897.43	
05 12 23 00-0079 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square	12,138.99	514.93
For ASTM A242 Type 2 High Strength Steel, Add	927.18	
For Hot Dip Galvanizing, Add	3,245.12	
For >10 To 25 Tons, Deduct	-985.13	
For >25 To 50 Tons, Deduct	-2,028.20	
For >50 Tons, Deduct	-2,897.43	
05 12 23 00-0080 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square	10,885.54	643.66
For ASTM A242 Type 2 High Strength Steel, Add	815.92	
For Hot Dip Galvanizing, Add	2,855.71	
For >10 To 25 Tons, Deduct	-866.91	
For >25 To 50 Tons, Deduct	-1,784.82	
For >50 Tons, Deduct	-2,549.74	
05 12 23 00-0081 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square	10,791.06	772.39
For ASTM A242 Type 2 High Strength Steel, Add	797.37	
For Hot Dip Galvanizing, Add	2,790.81	
For >10 To 25 Tons, Deduct	-847.21	
For >25 To 50 Tons, Deduct	-1,744.25	
For >50 Tons, Deduct	-2,491.79	
05 12 23 00-0082 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square	8,632.72	965.49
For ASTM A242 Type 2 High Strength Steel, Add	608.23	
For Hot Dip Galvanizing, Add	2,128.80	
For >10 To 25 Tons, Deduct	-646.24	
For >25 To 50 Tons, Deduct	-1,330.50	
For >50 Tons, Deduct	-1,900.72	
05 12 23 00-0083 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square	8,779.84	1,103.36
For ASTM A242 Type 2 High Strength Steel, Add	608.23	
For Hot Dip Galvanizing, Add	2,128.80	
For >10 To 25 Tons, Deduct	-646.24	
For >25 To 50 Tons, Deduct	-1,330.50	
For >50 Tons, Deduct	-1,900.72	
05 12 23 00-0084 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square	9,250.64	1,544.79
For ASTM A242 Type 2 High Strength Steel, Add	608.23	
For Hot Dip Galvanizing, Add	2,128.80	
For >10 To 25 Tons, Deduct	-646.24	
For >25 To 50 Tons, Deduct	-1,330.50	
For >50 Tons, Deduct	-1,900.72	
05 12 23 00-0085 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square	9,801.65	1,930.99
For ASTM A242 Type 2 High Strength Steel, Add	619.36	
For Hot Dip Galvanizing, Add	2,167.74	
For >10 To 25 Tons, Deduct	-658.06	
For >25 To 50 Tons, Deduct	-1,354.84	
For >50 Tons, Deduct	-1,935.49	
05 12 23 00-0086 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square	11,739.92	2,574.65
For ASTM A242 Type 2 High Strength Steel, Add	719.49	
For Hot Dip Galvanizing, Add	2,518.22	
For >10 To 25 Tons, Deduct	-764.46	
For >25 To 50 Tons, Deduct	-1,573.89	
For >50 Tons, Deduct	-2,248.41	
05 12 23 00-0087 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square	13,113.06	3,861.97
For ASTM A242 Type 2 High Strength Steel, Add	719.49	
For Hot Dip Galvanizing, Add	2,518.22	
For >10 To 25 Tons, Deduct	-764.46	
For >25 To 50 Tons, Deduct	-1,573.89	
For >50 Tons, Deduct	-2,248.41	
05 12 23 00-0088 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square	12,576.95	4,532.79
For ASTM A242 Type 2 High Strength Steel, Add	619.36	
For Hot Dip Galvanizing, Add	2,167.74	
For >10 To 25 Tons, Deduct	-658.06	
For >25 To 50 Tons, Deduct	-1,354.84	
For >50 Tons, Deduct	-1,935.49	
05 12 23 00-0089 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square	15,126.35	5,923.36
For ASTM A242 Type 2 High Strength Steel, Add	704.66	
For Hot Dip Galvanizing, Add	2,466.30	
For >10 To 25 Tons, Deduct	-748.70	
For >25 To 50 Tons, Deduct	-1,541.44	
For >50 Tons, Deduct	-2,202.05	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0090 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	17,232.50 719.49 2,518.22 -764.46 -1,573.89 -2,248.41	7,723.93
05 12 23 00-0091 Galvanized Steel Pipe Tubing (05 12 23 00-0063) Note: ASTM A53 Grade B		
05 12 23 00-0092 LF 2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	45.14	5.77
05 12 23 00-0093 LF 2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	49.67	6.87
05 12 23 00-0094 LF 3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	55.33	9.12
05 12 23 00-0095 LF 3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	59.74	10.16
05 12 23 00-0096 LF 4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	62.53	10.99
05 12 23 00-0097 LF 5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	70.35	13.74
05 12 23 00-0098 LF 6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	78.17	16.48
05 12 23 00-0099 LF 8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	85.92	19.77
05 12 23 00-0100 LF 10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	97.03	24.17
05 12 23 00-0101 LF 12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	114.72	30.77
05 12 23 00-0102 Structural Shapes (05 12 23 00-0048)		
05 12 23 00-0103 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)	8,735.69	2,820.17
<i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >20 To 50 LB/LF, Deduct</i> <i>For >50 To 75 LB/LF, Deduct</i> <i>For >75 To 100 LB/LF, Deduct</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	340.74 1,192.58 -1,097.39 -1,758.00 -2,418.61 -362.03 -745.37 -1,064.81	
05 12 23 00-0104 TON Structural Shapes, Steel Plate A36 Structural Steel	8,917.68	1,128.07
Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >21.5 To 50 LB/LF, Deduct</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	593.41 2,076.93 -966.77 -630.50 -1,298.08 -1,854.40	
05 12 23 00-0105 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	5.21	0.25
05 12 23 00-0106 LB Structural Shapes, Galvanized Pipe Supports	6.37	0.25
05 12 23 00-0107 Built-Up Trusses (05 12 23 00-0048)		
05 12 23 00-0108 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	9,845.98	386.20
<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	-801.89 -1,650.96 -2,358.51	
05 12 23 00-0109 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	9,755.61	214.47
<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	-809.77 -1,667.18 -2,381.69	
05 12 23 00-0110 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	8,697.56	113.54
<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	-728.99 -1,500.87 -2,144.10	
05 12 23 00-0111 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up	8,459.04	107.36
<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	-709.29 -1,460.31 -2,086.15	
05 12 23 00-0112 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0048) Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	32.16	8.12
05 12 23 00-0114 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	48.24	12.15
05 12 23 00-0115 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	64.32	16.20
05 12 23 00-0116 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	80.41	20.24
05 12 23 00-0117 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	96.49	24.17
05 12 23 00-0118 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	112.57	28.34
05 12 23 00-0119 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	128.65	32.39
05 12 23 00-0120 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	144.73	36.44
05 12 23 00-0121 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	160.81	40.48
05 12 23 00-0122 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	176.90	44.53
05 12 23 00-0123 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	192.98	48.58
05 12 23 00-0124 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	209.07	52.63
05 12 23 00-0125 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	225.15	56.67
05 12 23 00-0126 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	241.24	60.72
05 12 23 00-0127 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	257.32	64.77
05 12 23 00-0128 Accessories For Steel (05 12 23)		



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0129 Field Painting For Touch-Up Of Shop Prime Coat <small>(05 12 23 00-0128)</small>		
05 12 23 00-0130 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.23	
05 12 23 00-0131 Connection And Stiffener Plates <small>(05 12 23 00-0128)</small>		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0132 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	21,413.84	
For >10 To 25 Tons, Deduct	-1,820.18	
For >25 To 50 Tons, Deduct	-3,747.42	
For >50 Tons, Deduct	-5,353.46	
05 12 23 00-0133 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	18,270.20	
For >10 To 25 Tons, Deduct	-1,552.97	
For >25 To 50 Tons, Deduct	-3,197.29	
For >50 Tons, Deduct	-4,567.55	
05 12 23 00-0134 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0135 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0136 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0137 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0138 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0139 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0140 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	13,245.67	
For >10 To 25 Tons, Deduct	-1,125.88	
For >25 To 50 Tons, Deduct	-2,317.99	
For >50 Tons, Deduct	-3,311.42	
05 12 23 00-0141 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	13,245.67	
For >10 To 25 Tons, Deduct	-1,125.88	
For >25 To 50 Tons, Deduct	-2,317.99	
For >50 Tons, Deduct	-3,311.42	
05 12 23 00-0142 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	13,245.67	
For >10 To 25 Tons, Deduct	-1,125.88	
For >25 To 50 Tons, Deduct	-2,317.99	
For >50 Tons, Deduct	-3,311.42	
05 12 23 00-0143 Field Applied Cold Galvanizing <small>(05 12 23 00-0128)</small>		
05 12 23 00-0144 SF Brush Applied Cold Galvanizing	1.96	
05 12 23 00-0145 Metal Grinding <small>(05 12 23 00-0128)</small>		
Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0146 SI Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.32	
Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0147 Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0148 First Tier A992/A36 Structural Steel Columns, W Shapes <small>(05 12 23 00-0147)</small>		
Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0149 LF W14 x 730 A992/A36 Structural Column	1,684.66	78.22
For Hot Dip Galvanizing, Add	444.35	
For High Strength Low Alloy A572-50 Steel, Add	151.62	
For High Strength Low Alloy A588 Grade B Steel, Add	336.93	
05 12 23 00-0150 LF W14 x 665 A992/A36 Structural Column	1,536.41	72.91
For Hot Dip Galvanizing, Add	404.79	
For High Strength Low Alloy A572-50 Steel, Add	138.28	
For High Strength Low Alloy A588 Grade B Steel, Add	307.28	
05 12 23 00-0151 LF W14 x 605 A992/A36 Structural Column	1,399.44	67.86
For Hot Dip Galvanizing, Add	368.26	
For High Strength Low Alloy A572-50 Steel, Add	125.95	
For High Strength Low Alloy A588 Grade B Steel, Add	279.89	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0152 LF W14 x 550 A992/A36 Structural Column	1,273.74	63.13
For Hot Dip Galvanizing, Add	334.79	
For High Strength Low Alloy A572-50 Steel, Add	114.64	
For High Strength Low Alloy A588 Grade B Steel, Add	254.75	
05 12 23 00-0153 LF W14 x 500 A992/A36 Structural Column	1,168.19	66.94
For Hot Dip Galvanizing, Add	304.35	
For High Strength Low Alloy A572-50 Steel, Add	105.14	
For High Strength Low Alloy A588 Grade B Steel, Add	233.64	
05 12 23 00-0154 LF W14 x 426 A992/A36 Structural Column	996.72	58.45
For Hot Dip Galvanizing, Add	259.31	
For High Strength Low Alloy A572-50 Steel, Add	89.70	
For High Strength Low Alloy A588 Grade B Steel, Add	199.34	
05 12 23 00-0155 LF W14 x 342 A992/A36 Structural Column	805.95	50.59
For Hot Dip Galvanizing, Add	208.70	
For High Strength Low Alloy A572-50 Steel, Add	72.54	
For High Strength Low Alloy A588 Grade B Steel, Add	161.19	
05 12 23 00-0156 LF W14 x 311 A992/A36 Structural Column	725.88	47.25
For Hot Dip Galvanizing, Add	187.44	
For High Strength Low Alloy A572-50 Steel, Add	65.33	
For High Strength Low Alloy A588 Grade B Steel, Add	145.18	
05 12 23 00-0157 LF W14 x 283 A992/A36 Structural Column	658.86	44.54
For Hot Dip Galvanizing, Add	169.67	
For High Strength Low Alloy A572-50 Steel, Add	59.30	
For High Strength Low Alloy A588 Grade B Steel, Add	131.77	
05 12 23 00-0158 LF W14 x 257 A992/A36 Structural Column	579.09	42.23
For Hot Dip Galvanizing, Add	148.21	
For High Strength Low Alloy A572-50 Steel, Add	52.12	
For High Strength Low Alloy A588 Grade B Steel, Add	115.82	
05 12 23 00-0159 LF W14 x 233 A992/A36 Structural Column	532.93	39.26
For Hot Dip Galvanizing, Add	136.28	
For High Strength Low Alloy A572-50 Steel, Add	47.96	
For High Strength Low Alloy A588 Grade B Steel, Add	106.59	
05 12 23 00-0160 LF W14 x 211 A992/A36 Structural Column	474.01	36.56
For Hot Dip Galvanizing, Add	120.72	
For High Strength Low Alloy A572-50 Steel, Add	42.66	
For High Strength Low Alloy A588 Grade B Steel, Add	94.80	
05 12 23 00-0161 LF W14 x 193 A992/A36 Structural Column	428.72	34.75
For Hot Dip Galvanizing, Add	108.68	
For High Strength Low Alloy A572-50 Steel, Add	38.58	
For High Strength Low Alloy A588 Grade B Steel, Add	85.74	
05 12 23 00-0162 LF W14 x 176 A992/A36 Structural Column	386.40	33.22
For Hot Dip Galvanizing, Add	97.40	
For High Strength Low Alloy A572-50 Steel, Add	34.78	
For High Strength Low Alloy A588 Grade B Steel, Add	77.28	
05 12 23 00-0163 LF W14 x 159 A992/A36 Structural Column	349.35	32.05
For Hot Dip Galvanizing, Add	87.48	
For High Strength Low Alloy A572-50 Steel, Add	31.44	
For High Strength Low Alloy A588 Grade B Steel, Add	69.87	
05 12 23 00-0164 LF W14 x 145 A992/A36 Structural Column	337.61	31.03
For Hot Dip Galvanizing, Add	84.51	
For High Strength Low Alloy A572-50 Steel, Add	30.38	
For High Strength Low Alloy A588 Grade B Steel, Add	67.52	
05 12 23 00-0165 LF W14 x 132 A992/A36 Structural Column	288.70	29.61
For Hot Dip Galvanizing, Add	71.36	
For High Strength Low Alloy A572-50 Steel, Add	25.98	
For High Strength Low Alloy A588 Grade B Steel, Add	57.74	
05 12 23 00-0166 LF W14 x 120 A992/A36 Structural Column	270.69	28.84
For Hot Dip Galvanizing, Add	66.58	
For High Strength Low Alloy A572-50 Steel, Add	24.36	
For High Strength Low Alloy A588 Grade B Steel, Add	54.14	
05 12 23 00-0167 LF W14 x 109 A992/A36 Structural Column	242.36	27.68
For Hot Dip Galvanizing, Add	59.07	
For High Strength Low Alloy A572-50 Steel, Add	21.81	
For High Strength Low Alloy A588 Grade B Steel, Add	48.47	
05 12 23 00-0168 LF W14 x 99 A992/A36 Structural Column	221.13	26.91
For Hot Dip Galvanizing, Add	53.43	
For High Strength Low Alloy A572-50 Steel, Add	19.90	
For High Strength Low Alloy A588 Grade B Steel, Add	44.23	
05 12 23 00-0169 LF W14 x 90 A992/A36 Structural Column	205.42	26.26
For Hot Dip Galvanizing, Add	49.25	
For High Strength Low Alloy A572-50 Steel, Add	18.49	
For High Strength Low Alloy A588 Grade B Steel, Add	41.08	
05 12 23 00-0170 LF W14 x 82 A992/A36 Structural Column	189.23	25.49
For Hot Dip Galvanizing, Add	44.97	
For High Strength Low Alloy A572-50 Steel, Add	17.03	
For High Strength Low Alloy A588 Grade B Steel, Add	37.85	
05 12 23 00-0171 LF W14 x 74 A992/A36 Structural Column	170.85	24.84
For Hot Dip Galvanizing, Add	40.09	
For High Strength Low Alloy A572-50 Steel, Add	15.38	
For High Strength Low Alloy A588 Grade B Steel, Add	34.17	
05 12 23 00-0172 LF W14 x 68 A992/A36 Structural Column	159.58	24.46
For Hot Dip Galvanizing, Add	37.07	
For High Strength Low Alloy A572-50 Steel, Add	14.36	
For High Strength Low Alloy A588 Grade B Steel, Add	31.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0173 LF W14 x 61 A992/A36 Structural Column	145.50	23.82
For Hot Dip Galvanizing, Add	33.34	
For High Strength Low Alloy A572-50 Steel, Add	13.10	
For High Strength Low Alloy A588 Grade B Steel, Add	29.10	
05 12 23 00-0174 LF W14 x 53 A992/A36 Structural Column	132.52	23.17
For Hot Dip Galvanizing, Add	29.91	
For High Strength Low Alloy A572-50 Steel, Add	11.93	
For High Strength Low Alloy A588 Grade B Steel, Add	26.50	
05 12 23 00-0175 LF W14 x 48 A992/A36 Structural Column	124.14	22.78
For Hot Dip Galvanizing, Add	27.70	
For High Strength Low Alloy A572-50 Steel, Add	11.17	
For High Strength Low Alloy A588 Grade B Steel, Add	24.83	
05 12 23 00-0176 LF W14 x 43 A992/A36 Structural Column	112.02	22.40
For Hot Dip Galvanizing, Add	24.48	
For High Strength Low Alloy A572-50 Steel, Add	10.08	
For High Strength Low Alloy A588 Grade B Steel, Add	22.40	
05 12 23 00-0177 LF W12 x 336 A992/A36 Structural Column	768.22	34.84
For Hot Dip Galvanizing, Add	202.88	
For High Strength Low Alloy A572-50 Steel, Add	69.14	
For High Strength Low Alloy A588 Grade B Steel, Add	153.64	
05 12 23 00-0178 LF W12 x 305 A992/A36 Structural Column	700.04	34.14
For Hot Dip Galvanizing, Add	184.16	
For High Strength Low Alloy A572-50 Steel, Add	63.00	
For High Strength Low Alloy A588 Grade B Steel, Add	140.01	
05 12 23 00-0179 LF W12 x 279 A992/A36 Structural Column	643.03	33.73
For Hot Dip Galvanizing, Add	168.46	
For High Strength Low Alloy A572-50 Steel, Add	57.87	
For High Strength Low Alloy A588 Grade B Steel, Add	128.61	
05 12 23 00-0180 LF W12 x 252 A992/A36 Structural Column	583.38	32.89
For Hot Dip Galvanizing, Add	152.16	
For High Strength Low Alloy A572-50 Steel, Add	52.50	
For High Strength Low Alloy A588 Grade B Steel, Add	116.68	
05 12 23 00-0181 LF W12 x 230 A992/A36 Structural Column	535.01	32.41
For Hot Dip Galvanizing, Add	138.87	
For High Strength Low Alloy A572-50 Steel, Add	48.15	
For High Strength Low Alloy A588 Grade B Steel, Add	107.00	
05 12 23 00-0182 LF W12 x 210 A992/A36 Structural Column	490.99	31.96
For Hot Dip Galvanizing, Add	126.80	
For High Strength Low Alloy A572-50 Steel, Add	44.19	
For High Strength Low Alloy A588 Grade B Steel, Add	98.20	
05 12 23 00-0183 LF W12 x 190 A992/A36 Structural Column	451.40	35.53
For Hot Dip Galvanizing, Add	114.72	
For High Strength Low Alloy A572-50 Steel, Add	40.63	
For High Strength Low Alloy A588 Grade B Steel, Add	90.28	
05 12 23 00-0184 LF W12 x 170 A992/A36 Structural Column	407.89	34.50
For Hot Dip Galvanizing, Add	103.01	
For High Strength Low Alloy A572-50 Steel, Add	36.71	
For High Strength Low Alloy A588 Grade B Steel, Add	81.58	
05 12 23 00-0185 LF W12 x 152 A992/A36 Structural Column	367.68	32.05
For Hot Dip Galvanizing, Add	92.56	
For High Strength Low Alloy A572-50 Steel, Add	33.09	
For High Strength Low Alloy A588 Grade B Steel, Add	73.54	
05 12 23 00-0186 LF W12 x 136 A992/A36 Structural Column	349.54	31.15
For Hot Dip Galvanizing, Add	87.78	
For High Strength Low Alloy A572-50 Steel, Add	31.46	
For High Strength Low Alloy A588 Grade B Steel, Add	69.91	
05 12 23 00-0187 LF W12 x 120 A992/A36 Structural Column	264.57	28.58
For Hot Dip Galvanizing, Add	64.92	
For High Strength Low Alloy A572-50 Steel, Add	23.81	
For High Strength Low Alloy A588 Grade B Steel, Add	52.91	
05 12 23 00-0188 LF W12 x 106 A992/A36 Structural Column	243.81	27.68
For Hot Dip Galvanizing, Add	59.48	
For High Strength Low Alloy A572-50 Steel, Add	21.94	
For High Strength Low Alloy A588 Grade B Steel, Add	48.76	
05 12 23 00-0189 LF W12 x 96 A992/A36 Structural Column	218.11	26.78
For Hot Dip Galvanizing, Add	52.63	
For High Strength Low Alloy A572-50 Steel, Add	19.63	
For High Strength Low Alloy A588 Grade B Steel, Add	43.62	
05 12 23 00-0190 LF W12 x 87 A992/A36 Structural Column	201.18	25.88
For Hot Dip Galvanizing, Add	48.15	
For High Strength Low Alloy A572-50 Steel, Add	18.11	
For High Strength Low Alloy A588 Grade B Steel, Add	40.24	
05 12 23 00-0191 LF W12 x 79 A992/A36 Structural Column	176.50	25.11
For Hot Dip Galvanizing, Add	41.55	
For High Strength Low Alloy A572-50 Steel, Add	15.89	
For High Strength Low Alloy A588 Grade B Steel, Add	35.30	
05 12 23 00-0192 LF W12 x 72 A992/A36 Structural Column	161.52	24.46
For Hot Dip Galvanizing, Add	37.57	
For High Strength Low Alloy A572-50 Steel, Add	14.54	
For High Strength Low Alloy A588 Grade B Steel, Add	32.30	
05 12 23 00-0193 LF W12 x 65 A992/A36 Structural Column	147.63	23.94
For Hot Dip Galvanizing, Add	33.89	
For High Strength Low Alloy A572-50 Steel, Add	13.29	
For High Strength Low Alloy A588 Grade B Steel, Add	29.53	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0194	LF		W12 x 58 A992/A36 Structural Column	142.83	23.68
			<i>For Hot Dip Galvanizing, Add</i>	32.63	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.85	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.57	
05 12 23 00-0195	LF		W12 x 53 A992/A36 Structural Column	132.52	23.17
			<i>For Hot Dip Galvanizing, Add</i>	29.91	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.93	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.50	
05 12 23 00-0196	LF		W12 x 50 A992/A36 Structural Column	128.40	23.04
			<i>For Hot Dip Galvanizing, Add</i>	28.81	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.56	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.68	
05 12 23 00-0197	LF		W12 x 45 A992/A36 Structural Column	116.63	22.53
			<i>For Hot Dip Galvanizing, Add</i>	25.69	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.33	
05 12 23 00-0198	LF		W12 x 40 A992/A36 Structural Column	104.50	22.02
			<i>For Hot Dip Galvanizing, Add</i>	22.46	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.41	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.90	
05 12 23 00-0199	LF		W10 x 112 A992/A36 Structural Column	255.03	28.19
			<i>For Hot Dip Galvanizing, Add</i>	62.45	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.95	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.01	
05 12 23 00-0200	LF		W10 x 110 A992/A36 Structural Column	230.65	27.03
			<i>For Hot Dip Galvanizing, Add</i>	56.00	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.76	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.13	
05 12 23 00-0201	LF		W10 x 88 A992/A36 Structural Column	207.30	26.13
			<i>For Hot Dip Galvanizing, Add</i>	49.81	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.66	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.46	
05 12 23 00-0202	LF		W10 x 77 A992/A36 Structural Column	184.31	25.11
			<i>For Hot Dip Galvanizing, Add</i>	43.71	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.86	
05 12 23 00-0203	LF		W10 x 68 A992/A36 Structural Column	165.93	24.46
			<i>For Hot Dip Galvanizing, Add</i>	38.83	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.93	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.19	
05 12 23 00-0204	LF		W10 x 60 A992/A36 Structural Column	145.50	23.82
			<i>For Hot Dip Galvanizing, Add</i>	33.34	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.10	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	29.10	
05 12 23 00-0205	LF		W10 x 54 A992/A36 Structural Column	144.53	23.43
			<i>For Hot Dip Galvanizing, Add</i>	33.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.01	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.91	
05 12 23 00-0206	LF		W10 x 49 A992/A36 Structural Column	126.82	23.04
			<i>For Hot Dip Galvanizing, Add</i>	28.40	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.41	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.36	
05 12 23 00-0207	LF		W10 x 45 A992/A36 Structural Column	122.39	22.66
			<i>For Hot Dip Galvanizing, Add</i>	27.24	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.02	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.48	
05 12 23 00-0208	LF		W10 x 39 A992/A36 Structural Column	106.44	22.27
			<i>For Hot Dip Galvanizing, Add</i>	22.97	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.58	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.29	
05 12 23 00-0209	LF		W10 x 33 A992/A36 Structural Column	92.73	21.63
			<i>For Hot Dip Galvanizing, Add</i>	19.34	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.35	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.55	
05 12 23 00-0210	LF		W8 x 67 A992/A36 Structural Column	159.76	24.46
			<i>For Hot Dip Galvanizing, Add</i>	37.12	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.38	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.95	
05 12 23 00-0211	LF		W8 x 58 A992/A36 Structural Column	143.37	23.68
			<i>For Hot Dip Galvanizing, Add</i>	32.78	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.90	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.67	
05 12 23 00-0212	LF		W8 x 48 A992/A36 Structural Column	128.27	23.04
			<i>For Hot Dip Galvanizing, Add</i>	28.81	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.54	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.65	
05 12 23 00-0213	LF		W8 x 40 A992/A36 Structural Column	110.02	22.40
			<i>For Hot Dip Galvanizing, Add</i>	23.92	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.90	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.00	
05 12 23 00-0214	LF		W8 x 35 A992/A36 Structural Column	99.35	21.88
			<i>For Hot Dip Galvanizing, Add</i>	21.10	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.94	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	19.87	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0215 LF W8 x 31 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	90.73 18.78 8.17 18.15	21.63
05 12 23 00-0216 LF W8 x 28 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.39 17.37 7.69 17.08	21.37
05 12 23 00-0217 LF W8 x 24 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.97 15.66 7.11 15.79	21.11
05 12 23 00-0218 LF W8 x 21 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.72 14.55 6.72 14.94	20.98
05 12 23 00-0219 LF W8 x 18 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.66 12.39 6.00 13.33	20.59
05 12 23 00-0220 LF W6 x 25 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.96 16.77 7.47 16.59	21.11
05 12 23 00-0221 LF W6 x 20 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.05 13.30 6.30 14.01	20.73
05 12 23 00-0222 LF W6 x 15 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.97 10.68 5.40 11.99	20.08
05 12 23 00-0223 LF W6 x 12 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.16 9.62 5.05 11.23	20.08
05 12 23 00-0224 LF W6 x 9 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.31 8.31 4.62 10.26	19.96
05 12 23 00-0225 LF W5 x 19 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.96 12.99 6.21 13.79	20.73
05 12 23 00-0226 LF W5 x 16 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.44 11.53 5.71 12.69	20.59
05 12 23 00-0227 LF W4 x 13 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.38 10.48 5.34 11.88	20.34
05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes <small>(05 12 23 00-0147)</small> Note: Includes material delivery and erection.		
05 12 23 00-0229 LF W36 x 300 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	606.66 142.99 54.60 121.33 5.15 -198.63 72.80	85.66
05 12 23 00-0230 LF W36 x 280 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	583.91 133.46 52.55 116.78 4.81 -188.92 70.07	96.55
05 12 23 00-0231 LF W36 x 260 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	552.73 125.16 49.75 110.55 4.51 -178.20 66.33	95.39
05 12 23 00-0232 LF W36 x 240 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	516.41 118.86 46.48 103.28 4.28 -167.53 61.97	82.56

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0233 LF W36 x 230 A992/A36 Structural Beam Or Girder	499.80	83.74
For Hot Dip Galvanizing, Add	113.91	
For High Strength Low Alloy A572-50 Steel, Add	44.98	
For High Strength Low Alloy A588 Steel, Add	99.96	
For Each Additional Top Copes >2, Add	4.10	
For Structural Tees, WT, MT Or ST, Deduct	-161.53	
For Skewed Or Sloped Connections, Add	59.98	
05 12 23 00-0234 LF W36 x 210 A992/A36 Structural Beam Or Girder	473.26	92.30
For Hot Dip Galvanizing, Add	104.00	
For High Strength Low Alloy A572-50 Steel, Add	42.59	
For High Strength Low Alloy A588 Steel, Add	94.65	
For Each Additional Top Copes >2, Add	3.75	
For Structural Tees, WT, MT Or ST, Deduct	-150.87	
For Skewed Or Sloped Connections, Add	56.79	
05 12 23 00-0235 LF W36 x 194 A992/A36 Structural Beam Or Girder	447.41	80.08
For Hot Dip Galvanizing, Add	100.45	
For High Strength Low Alloy A572-50 Steel, Add	40.27	
For High Strength Low Alloy A588 Steel, Add	89.48	
For Each Additional Top Copes >2, Add	3.62	
For Structural Tees, WT, MT Or ST, Deduct	-143.78	
For Skewed Or Sloped Connections, Add	53.69	
05 12 23 00-0236 LF W36 x 182 A992/A36 Structural Beam Or Girder	424.40	79.50
For Hot Dip Galvanizing, Add	94.24	
For High Strength Low Alloy A572-50 Steel, Add	38.20	
For High Strength Low Alloy A588 Steel, Add	84.88	
For Each Additional Top Copes >2, Add	3.40	
For Structural Tees, WT, MT Or ST, Deduct	-135.82	
For Skewed Or Sloped Connections, Add	50.93	
05 12 23 00-0237 LF W36 x 170 A992/A36 Structural Beam Or Girder	401.03	78.58
For Hot Dip Galvanizing, Add	88.03	
For High Strength Low Alloy A572-50 Steel, Add	36.09	
For High Strength Low Alloy A588 Steel, Add	80.21	
For Each Additional Top Copes >2, Add	3.17	
For Structural Tees, WT, MT Or ST, Deduct	-127.79	
For Skewed Or Sloped Connections, Add	48.12	
05 12 23 00-0238 LF W36 x 160 A992/A36 Structural Beam Or Girder	393.81	89.34
For Hot Dip Galvanizing, Add	82.85	
For High Strength Low Alloy A572-50 Steel, Add	35.44	
For High Strength Low Alloy A588 Steel, Add	78.76	
For Each Additional Top Copes >2, Add	2.99	
For Structural Tees, WT, MT Or ST, Deduct	-123.54	
For Skewed Or Sloped Connections, Add	47.26	
05 12 23 00-0239 LF W36 x 150 A992/A36 Structural Beam Or Girder	377.53	88.70
For Hot Dip Galvanizing, Add	78.50	
For High Strength Low Alloy A572-50 Steel, Add	33.98	
For High Strength Low Alloy A588 Steel, Add	75.51	
For Each Additional Top Copes >2, Add	2.83	
For Structural Tees, WT, MT Or ST, Deduct	-117.94	
For Skewed Or Sloped Connections, Add	45.30	
05 12 23 00-0240 LF W36 x 135 A992/A36 Structural Beam Or Girder	354.74	87.93
For Hot Dip Galvanizing, Add	72.44	
For High Strength Low Alloy A572-50 Steel, Add	31.93	
For High Strength Low Alloy A588 Steel, Add	70.95	
For Each Additional Top Copes >2, Add	2.61	
For Structural Tees, WT, MT Or ST, Deduct	-110.10	
For Skewed Or Sloped Connections, Add	42.57	
05 12 23 00-0241 LF W33 x 241 A992/A36 Structural Beam Or Girder	522.89	85.16
For Hot Dip Galvanizing, Add	119.90	
For High Strength Low Alloy A572-50 Steel, Add	47.06	
For High Strength Low Alloy A588 Steel, Add	104.58	
For Each Additional Top Copes >2, Add	4.32	
For Structural Tees, WT, MT Or ST, Deduct	-169.39	
For Skewed Or Sloped Connections, Add	62.75	
05 12 23 00-0242 LF W33 x 221 A992/A36 Structural Beam Or Girder	484.81	83.07
For Hot Dip Galvanizing, Add	109.95	
For High Strength Low Alloy A572-50 Steel, Add	43.63	
For High Strength Low Alloy A588 Steel, Add	96.96	
For Each Additional Top Copes >2, Add	3.96	
For Structural Tees, WT, MT Or ST, Deduct	-156.39	
For Skewed Or Sloped Connections, Add	58.18	
05 12 23 00-0243 LF W33 x 201 A992/A36 Structural Beam Or Girder	458.19	91.66
For Hot Dip Galvanizing, Add	100.00	
For High Strength Low Alloy A572-50 Steel, Add	41.24	
For High Strength Low Alloy A588 Steel, Add	91.64	
For Each Additional Top Copes >2, Add	3.60	
For Structural Tees, WT, MT Or ST, Deduct	-145.69	
For Skewed Or Sloped Connections, Add	54.98	
05 12 23 00-0244 LF W33 x 170 A992/A36 Structural Beam Or Girder	411.32	89.99
For Hot Dip Galvanizing, Add	87.53	
For High Strength Low Alloy A572-50 Steel, Add	37.02	
For High Strength Low Alloy A588 Steel, Add	82.26	
For Each Additional Top Copes >2, Add	3.15	
For Structural Tees, WT, MT Or ST, Deduct	-129.58	
For Skewed Or Sloped Connections, Add	49.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0245 LF W33 x 152 A992/A36 Structural Beam Or Girder	375.12	78.33
<i>For Hot Dip Galvanizing, Add</i>	80.91	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	33.76	
<i>For High Strength Low Alloy A588 Steel, Add</i>	75.02	
<i>For Each Additional Top Copes >2, Add</i>	2.92	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-118.76	
<i>For Skewed Or Sloped Connections, Add</i>	45.01	
05 12 23 00-0246 LF W33 x 141 A992/A36 Structural Beam Or Girder	364.56	88.18
<i>For Hot Dip Galvanizing, Add</i>	75.05	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.81	
<i>For High Strength Low Alloy A588 Steel, Add</i>	72.91	
<i>For Each Additional Top Copes >2, Add</i>	2.70	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-113.48	
<i>For Skewed Or Sloped Connections, Add</i>	43.75	
05 12 23 00-0247 LF W33 x 130 A992/A36 Structural Beam Or Girder	346.15	87.54
<i>For Hot Dip Galvanizing, Add</i>	70.15	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.15	
<i>For High Strength Low Alloy A588 Steel, Add</i>	69.23	
<i>For Each Additional Top Copes >2, Add</i>	2.53	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-107.15	
<i>For Skewed Or Sloped Connections, Add</i>	41.54	
05 12 23 00-0248 LF W33 x 118 A992/A36 Structural Beam Or Girder	324.70	86.76
<i>For Hot Dip Galvanizing, Add</i>	64.42	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	29.22	
<i>For High Strength Low Alloy A588 Steel, Add</i>	64.94	
<i>For Each Additional Top Copes >2, Add</i>	2.32	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-99.76	
<i>For Skewed Or Sloped Connections, Add</i>	38.96	
05 12 23 00-0249 LF W30 x 211 A992/A36 Structural Beam Or Girder	464.80	82.91
<i>For Hot Dip Galvanizing, Add</i>	104.44	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	41.83	
<i>For High Strength Low Alloy A588 Steel, Add</i>	92.96	
<i>For Each Additional Top Copes >2, Add</i>	3.76	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-149.41	
<i>For Skewed Or Sloped Connections, Add</i>	55.78	
05 12 23 00-0250 LF W30 x 191 A992/A36 Structural Beam Or Girder	437.89	91.01
<i>For Hot Dip Galvanizing, Add</i>	94.54	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	39.41	
<i>For High Strength Low Alloy A588 Steel, Add</i>	87.58	
<i>For Each Additional Top Copes >2, Add</i>	3.41	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-138.68	
<i>For Skewed Or Sloped Connections, Add</i>	52.55	
05 12 23 00-0251 LF W30 x 173 A992/A36 Structural Beam Or Girder	402.43	79.13
<i>For Hot Dip Galvanizing, Add</i>	88.25	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	36.22	
<i>For High Strength Low Alloy A588 Steel, Add</i>	80.49	
<i>For Each Additional Top Copes >2, Add</i>	3.18	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-128.19	
<i>For Skewed Or Sloped Connections, Add</i>	48.29	
05 12 23 00-0252 LF W30 x 154 A992/A36 Structural Beam Or Girder	377.85	88.83
<i>For Hot Dip Galvanizing, Add</i>	78.56	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.01	
<i>For High Strength Low Alloy A588 Steel, Add</i>	75.57	
<i>For Each Additional Top Copes >2, Add</i>	2.83	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-118.04	
<i>For Skewed Or Sloped Connections, Add</i>	45.34	
05 12 23 00-0253 LF W30 x 132 A992/A36 Structural Beam Or Girder	338.06	76.34
<i>For Hot Dip Galvanizing, Add</i>	71.21	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.43	
<i>For High Strength Low Alloy A588 Steel, Add</i>	67.61	
<i>For Each Additional Top Copes >2, Add</i>	2.57	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-106.11	
<i>For Skewed Or Sloped Connections, Add</i>	40.57	
05 12 23 00-0254 LF W30 x 124 A992/A36 Structural Beam Or Girder	322.46	76.30
<i>For Hot Dip Galvanizing, Add</i>	66.90	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	29.02	
<i>For High Strength Low Alloy A588 Steel, Add</i>	64.49	
<i>For Each Additional Top Copes >2, Add</i>	2.41	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-100.65	
<i>For Skewed Or Sloped Connections, Add</i>	38.70	
05 12 23 00-0255 LF W30 x 116 A992/A36 Structural Beam Or Girder	317.95	86.64
<i>For Hot Dip Galvanizing, Add</i>	62.58	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	28.62	
<i>For High Strength Low Alloy A588 Steel, Add</i>	63.59	
<i>For Each Additional Top Copes >2, Add</i>	2.26	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-97.42	
<i>For Skewed Or Sloped Connections, Add</i>	38.15	
05 12 23 00-0256 LF W30 x 108 A992/A36 Structural Beam Or Girder	294.23	78.02
<i>For Hot Dip Galvanizing, Add</i>	58.57	
<i>For High Strength Low Alloy A572-50 Steel, Add</i>	26.48	
<i>For High Strength Low Alloy A588 Steel, Add</i>	58.85	
<i>For Each Additional Top Copes >2, Add</i>	2.11	
<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-90.51	
<i>For Skewed Or Sloped Connections, Add</i>	35.31	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0257 LF W30 x 99 A992/A36 Structural Beam Or Girder	281.08	77.63
For Hot Dip Galvanizing, Add	55.06	
For High Strength Low Alloy A572-50 Steel, Add	25.30	
For High Strength Low Alloy A588 Steel, Add	56.22	
For Each Additional Top Copes >2, Add	1.98	
For Structural Tees, WT, MT Or ST, Deduct	-85.98	
For Skewed Or Sloped Connections, Add	33.73	
05 12 23 00-0258 LF W27 x 178 A992/A36 Structural Beam Or Girder	447.22	92.65
For Hot Dip Galvanizing, Add	96.68	
For High Strength Low Alloy A572-50 Steel, Add	40.25	
For High Strength Low Alloy A588 Steel, Add	89.44	
For Each Additional Top Copes >2, Add	3.48	
For Structural Tees, WT, MT Or ST, Deduct	-141.70	
For Skewed Or Sloped Connections, Add	53.67	
05 12 23 00-0259 LF W27 x 161 A992/A36 Structural Beam Or Girder	410.21	89.16
For Hot Dip Galvanizing, Add	87.44	
For High Strength Low Alloy A572-50 Steel, Add	36.92	
For High Strength Low Alloy A588 Steel, Add	82.04	
For Each Additional Top Copes >2, Add	3.15	
For Structural Tees, WT, MT Or ST, Deduct	-129.31	
For Skewed Or Sloped Connections, Add	49.23	
05 12 23 00-0260 LF W27 x 146 A992/A36 Structural Beam Or Girder	377.48	86.00
For Hot Dip Galvanizing, Add	79.30	
For High Strength Low Alloy A572-50 Steel, Add	33.97	
For High Strength Low Alloy A588 Steel, Add	75.50	
For Each Additional Top Copes >2, Add	2.86	
For Structural Tees, WT, MT Or ST, Deduct	-118.36	
For Skewed Or Sloped Connections, Add	45.30	
05 12 23 00-0261 LF W27 x 114 A992/A36 Structural Beam Or Girder	299.32	71.44
For Hot Dip Galvanizing, Add	61.92	
For High Strength Low Alloy A572-50 Steel, Add	26.94	
For High Strength Low Alloy A588 Steel, Add	59.86	
For Each Additional Top Copes >2, Add	2.23	
For Structural Tees, WT, MT Or ST, Deduct	-93.33	
For Skewed Or Sloped Connections, Add	35.92	
05 12 23 00-0262 LF W27 x 102 A992/A36 Structural Beam Or Girder	282.42	77.63
For Hot Dip Galvanizing, Add	55.40	
For High Strength Low Alloy A572-50 Steel, Add	25.42	
For High Strength Low Alloy A588 Steel, Add	56.48	
For Each Additional Top Copes >2, Add	2.00	
For Structural Tees, WT, MT Or ST, Deduct	-86.43	
For Skewed Or Sloped Connections, Add	33.89	
05 12 23 00-0263 LF W27 x 94 A992/A36 Structural Beam Or Girder	270.06	77.12
For Hot Dip Galvanizing, Add	52.11	
For High Strength Low Alloy A572-50 Steel, Add	24.31	
For High Strength Low Alloy A588 Steel, Add	54.01	
For Each Additional Top Copes >2, Add	1.88	
For Structural Tees, WT, MT Or ST, Deduct	-82.18	
For Skewed Or Sloped Connections, Add	32.41	
05 12 23 00-0264 LF W27 x 84 A992/A36 Structural Beam Or Girder	254.97	76.59
For Hot Dip Galvanizing, Add	48.10	
For High Strength Low Alloy A572-50 Steel, Add	22.95	
For High Strength Low Alloy A588 Steel, Add	50.99	
For Each Additional Top Copes >2, Add	1.73	
For Structural Tees, WT, MT Or ST, Deduct	-77.00	
For Skewed Or Sloped Connections, Add	30.60	
05 12 23 00-0265 LF W24 x 162 A992/A36 Structural Beam Or Girder	395.11	85.47
For Hot Dip Galvanizing, Add	84.34	
For High Strength Low Alloy A572-50 Steel, Add	35.56	
For High Strength Low Alloy A588 Steel, Add	79.02	
For Each Additional Top Copes >2, Add	3.04	
For Structural Tees, WT, MT Or ST, Deduct	-124.61	
For Skewed Or Sloped Connections, Add	47.41	
05 12 23 00-0266 LF W24 x 146 A992/A36 Structural Beam Or Girder	361.33	81.94
For Hot Dip Galvanizing, Add	76.01	
For High Strength Low Alloy A572-50 Steel, Add	32.52	
For High Strength Low Alloy A588 Steel, Add	72.27	
For Each Additional Top Copes >2, Add	2.74	
For Structural Tees, WT, MT Or ST, Deduct	-113.35	
For Skewed Or Sloped Connections, Add	43.36	
05 12 23 00-0267 LF W24 x 131 A992/A36 Structural Beam Or Girder	329.22	78.22
For Hot Dip Galvanizing, Add	68.20	
For High Strength Low Alloy A572-50 Steel, Add	29.63	
For High Strength Low Alloy A588 Steel, Add	65.84	
For Each Additional Top Copes >2, Add	2.46	
For Structural Tees, WT, MT Or ST, Deduct	-102.71	
For Skewed Or Sloped Connections, Add	39.51	
05 12 23 00-0268 LF W24 x 117 A992/A36 Structural Beam Or Girder	298.79	74.32
For Hot Dip Galvanizing, Add	60.92	
For High Strength Low Alloy A572-50 Steel, Add	26.89	
For High Strength Low Alloy A588 Steel, Add	59.76	
For Each Additional Top Copes >2, Add	2.20	
For Structural Tees, WT, MT Or ST, Deduct	-92.69	
For Skewed Or Sloped Connections, Add	35.85	



Metals	05
Structural Metal Framing	05 10
Structural Steel Framing	05 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0269 LF W24 x 104 A992/A36 Structural Beam Or Girder	270.08	70.28
For Hot Dip Galvanizing, Add	54.15	
For High Strength Low Alloy A572-50 Steel, Add	24.31	
For High Strength Low Alloy A588 Steel, Add	54.02	
For Each Additional Top Copes >2, Add	1.95	
For Structural Tees, WT, MT Or ST, Deduct	-83.28	
For Skewed Or Sloped Connections, Add	32.41	
05 12 23 00-0270 LF W24 x 94 A992/A36 Structural Beam Or Girder	258.62	77.12
For Hot Dip Galvanizing, Add	48.94	
For High Strength Low Alloy A572-50 Steel, Add	23.28	
For High Strength Low Alloy A588 Steel, Add	51.72	
For Each Additional Top Copes >2, Add	1.76	
For Structural Tees, WT, MT Or ST, Deduct	-78.18	
For Skewed Or Sloped Connections, Add	31.03	
05 12 23 00-0271 LF W24 x 84 A992/A36 Structural Beam Or Girder	235.91	68.36
For Hot Dip Galvanizing, Add	45.21	
For High Strength Low Alloy A572-50 Steel, Add	21.23	
For High Strength Low Alloy A588 Steel, Add	47.18	
For Each Additional Top Copes >2, Add	1.63	
For Structural Tees, WT, MT Or ST, Deduct	-71.62	
For Skewed Or Sloped Connections, Add	28.31	
05 12 23 00-0272 LF W24 x 76 A992/A36 Structural Beam Or Girder	224.36	67.84
For Hot Dip Galvanizing, Add	42.15	
For High Strength Low Alloy A572-50 Steel, Add	20.19	
For High Strength Low Alloy A588 Steel, Add	44.87	
For Each Additional Top Copes >2, Add	1.52	
For Structural Tees, WT, MT Or ST, Deduct	-67.65	
For Skewed Or Sloped Connections, Add	26.92	
05 12 23 00-0273 LF W24 x 68 A992/A36 Structural Beam Or Girder	209.80	67.46
For Hot Dip Galvanizing, Add	38.25	
For High Strength Low Alloy A572-50 Steel, Add	18.88	
For High Strength Low Alloy A588 Steel, Add	41.96	
For Each Additional Top Copes >2, Add	1.38	
For Structural Tees, WT, MT Or ST, Deduct	-62.64	
For Skewed Or Sloped Connections, Add	25.18	
05 12 23 00-0274 LF W24 x 62 A992/A36 Structural Beam Or Girder	202.20	67.07
For Hot Dip Galvanizing, Add	36.25	
For High Strength Low Alloy A572-50 Steel, Add	18.20	
For High Strength Low Alloy A588 Steel, Add	40.44	
For Each Additional Top Copes >2, Add	1.31	
For Structural Tees, WT, MT Or ST, Deduct	-60.03	
For Skewed Or Sloped Connections, Add	24.26	
05 12 23 00-0275 LF W24 x 55 A992/A36 Structural Beam Or Girder	191.77	66.81
For Hot Dip Galvanizing, Add	33.46	
For High Strength Low Alloy A572-50 Steel, Add	17.26	
For High Strength Low Alloy A588 Steel, Add	38.35	
For Each Additional Top Copes >2, Add	1.21	
For Structural Tees, WT, MT Or ST, Deduct	-56.44	
For Skewed Or Sloped Connections, Add	23.01	
05 12 23 00-0276 LF W21 x 147 A992/A36 Structural Beam Or Girder	345.83	70.29
For Hot Dip Galvanizing, Add	75.16	
For High Strength Low Alloy A572-50 Steel, Add	31.12	
For High Strength Low Alloy A588 Steel, Add	69.17	
For Each Additional Top Copes >2, Add	2.71	
For Structural Tees, WT, MT Or ST, Deduct	-109.79	
For Skewed Or Sloped Connections, Add	41.50	
05 12 23 00-0277 LF W21 x 132 A992/A36 Structural Beam Or Girder	314.83	67.15
For Hot Dip Galvanizing, Add	67.49	
For High Strength Low Alloy A572-50 Steel, Add	28.33	
For High Strength Low Alloy A588 Steel, Add	62.97	
For Each Additional Top Copes >2, Add	2.43	
For Structural Tees, WT, MT Or ST, Deduct	-99.45	
For Skewed Or Sloped Connections, Add	37.78	
05 12 23 00-0278 LF W21 x 122 A992/A36 Structural Beam Or Girder	295.20	66.02
For Hot Dip Galvanizing, Add	62.38	
For High Strength Low Alloy A572-50 Steel, Add	26.57	
For High Strength Low Alloy A588 Steel, Add	59.04	
For Each Additional Top Copes >2, Add	2.25	
For Structural Tees, WT, MT Or ST, Deduct	-92.76	
For Skewed Or Sloped Connections, Add	35.42	
05 12 23 00-0279 LF W21 x 111 A992/A36 Structural Beam Or Girder	272.68	63.91
For Hot Dip Galvanizing, Add	56.75	
For High Strength Low Alloy A572-50 Steel, Add	24.54	
For High Strength Low Alloy A588 Steel, Add	54.54	
For Each Additional Top Copes >2, Add	2.05	
For Structural Tees, WT, MT Or ST, Deduct	-85.21	
For Skewed Or Sloped Connections, Add	32.72	
05 12 23 00-0280 LF W21 x 101 A992/A36 Structural Beam Or Girder	252.07	61.86
For Hot Dip Galvanizing, Add	51.64	
For High Strength Low Alloy A572-50 Steel, Add	22.69	
For High Strength Low Alloy A588 Steel, Add	50.41	
For Each Additional Top Copes >2, Add	1.86	
For Structural Tees, WT, MT Or ST, Deduct	-78.33	
For Skewed Or Sloped Connections, Add	30.25	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0281	LF		W21 x 93 A992/A36 Structural Beam Or Girder	245.11	69.13
			For Hot Dip Galvanizing, Add	47.55	
			For High Strength Low Alloy A572-50 Steel, Add	22.06	
			For High Strength Low Alloy A588 Steel, Add	49.02	
			For Each Additional Top Copes >2, Add	1.71	
			For Structural Tees, WT, MT Or ST, Deduct	-74.72	
			For Skewed Or Sloped Connections, Add	29.41	
05 12 23 00-0282	LF		W21 x 83 A992/A36 Structural Beam Or Girder	231.50	68.36
			For Hot Dip Galvanizing, Add	43.99	
			For High Strength Low Alloy A572-50 Steel, Add	20.84	
			For High Strength Low Alloy A588 Steel, Add	46.30	
			For Each Additional Top Copes >2, Add	1.59	
			For Structural Tees, WT, MT Or ST, Deduct	-70.08	
			For Skewed Or Sloped Connections, Add	27.78	
05 12 23 00-0283	LF		W21 x 73 A992/A36 Structural Beam Or Girder	214.79	67.84
			For Hot Dip Galvanizing, Add	39.53	
			For High Strength Low Alloy A572-50 Steel, Add	19.33	
			For High Strength Low Alloy A588 Steel, Add	42.96	
			For Each Additional Top Copes >2, Add	1.42	
			For Structural Tees, WT, MT Or ST, Deduct	-64.33	
			For Skewed Or Sloped Connections, Add	25.77	
05 12 23 00-0284	LF		W21 x 68 A992/A36 Structural Beam Or Girder	206.39	67.46
			For Hot Dip Galvanizing, Add	37.30	
			For High Strength Low Alloy A572-50 Steel, Add	18.58	
			For High Strength Low Alloy A588 Steel, Add	41.28	
			For Each Additional Top Copes >2, Add	1.34	
			For Structural Tees, WT, MT Or ST, Deduct	-61.44	
			For Skewed Or Sloped Connections, Add	24.77	
05 12 23 00-0285	LF		W21 x 62 A992/A36 Structural Beam Or Girder	198.79	67.07
			For Hot Dip Galvanizing, Add	35.30	
			For High Strength Low Alloy A572-50 Steel, Add	17.89	
			For High Strength Low Alloy A588 Steel, Add	39.76	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-58.84	
			For Skewed Or Sloped Connections, Add	23.85	
05 12 23 00-0286	LF		W21 x 57 A992/A36 Structural Beam Or Girder	191.90	66.94
			For Hot Dip Galvanizing, Add	33.46	
			For High Strength Low Alloy A572-50 Steel, Add	17.27	
			For High Strength Low Alloy A588 Steel, Add	38.38	
			For Each Additional Top Copes >2, Add	1.21	
			For Structural Tees, WT, MT Or ST, Deduct	-56.47	
			For Skewed Or Sloped Connections, Add	23.03	
05 12 23 00-0287	LF		W21 x 50 A992/A36 Structural Beam Or Girder	170.18	58.06
			For Hot Dip Galvanizing, Add	30.01	
			For High Strength Low Alloy A572-50 Steel, Add	15.32	
			For High Strength Low Alloy A588 Steel, Add	34.04	
			For Each Additional Top Copes >2, Add	1.08	
			For Structural Tees, WT, MT Or ST, Deduct	-50.26	
			For Skewed Or Sloped Connections, Add	20.42	
05 12 23 00-0288	LF		W21 x 44 A992/A36 Structural Beam Or Girder	162.18	57.80
			For Hot Dip Galvanizing, Add	27.89	
			For High Strength Low Alloy A572-50 Steel, Add	14.60	
			For High Strength Low Alloy A588 Steel, Add	32.44	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-47.51	
			For Skewed Or Sloped Connections, Add	19.46	
05 12 23 00-0289	LF		W18 x 119 A992/A36 Structural Beam Or Girder	287.04	65.80
			For Hot Dip Galvanizing, Add	60.18	
			For High Strength Low Alloy A572-50 Steel, Add	25.83	
			For High Strength Low Alloy A588 Steel, Add	57.41	
			For Each Additional Top Copes >2, Add	2.17	
			For Structural Tees, WT, MT Or ST, Deduct	-89.94	
			For Skewed Or Sloped Connections, Add	34.44	
05 12 23 00-0290	LF		W18 x 106 A992/A36 Structural Beam Or Girder	259.67	62.35
			For Hot Dip Galvanizing, Add	53.60	
			For High Strength Low Alloy A572-50 Steel, Add	23.37	
			For High Strength Low Alloy A588 Steel, Add	51.93	
			For Each Additional Top Copes >2, Add	1.93	
			For Structural Tees, WT, MT Or ST, Deduct	-80.91	
			For Skewed Or Sloped Connections, Add	31.16	
05 12 23 00-0291	LF		W18 x 97 A992/A36 Structural Beam Or Girder	250.65	69.13
			For Hot Dip Galvanizing, Add	49.05	
			For High Strength Low Alloy A572-50 Steel, Add	22.56	
			For High Strength Low Alloy A588 Steel, Add	50.13	
			For Each Additional Top Copes >2, Add	1.77	
			For Structural Tees, WT, MT Or ST, Deduct	-76.64	
			For Skewed Or Sloped Connections, Add	30.08	
05 12 23 00-0292	LF		W18 x 86 A992/A36 Structural Beam Or Girder	235.04	68.48
			For Hot Dip Galvanizing, Add	44.93	
			For High Strength Low Alloy A572-50 Steel, Add	21.15	
			For High Strength Low Alloy A588 Steel, Add	47.01	
			For Each Additional Top Copes >2, Add	1.62	
			For Structural Tees, WT, MT Or ST, Deduct	-71.30	
			For Skewed Or Sloped Connections, Add	28.20	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0293 LF W18 x 76 A992/A36 Structural Beam Or Girder	220.95	67.84
For Hot Dip Galvanizing, Add	41.20	
For High Strength Low Alloy A572-50 Steel, Add	19.89	
For High Strength Low Alloy A588 Steel, Add	44.19	
For Each Additional Top Copes >2, Add	1.48	
For Structural Tees, WT, MT Or ST, Deduct	-66.46	
For Skewed Or Sloped Connections, Add	26.51	
05 12 23 00-0294 LF W18 x 71 A992/A36 Structural Beam Or Girder	210.66	67.72
For Hot Dip Galvanizing, Add	38.42	
For High Strength Low Alloy A572-50 Steel, Add	18.96	
For High Strength Low Alloy A588 Steel, Add	42.13	
For Each Additional Top Copes >2, Add	1.38	
For Structural Tees, WT, MT Or ST, Deduct	-62.90	
For Skewed Or Sloped Connections, Add	25.28	
05 12 23 00-0295 LF W18 x 65 A992/A36 Structural Beam Or Girder	200.64	67.46
For Hot Dip Galvanizing, Add	35.74	
For High Strength Low Alloy A572-50 Steel, Add	18.06	
For High Strength Low Alloy A588 Steel, Add	40.13	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-59.45	
For Skewed Or Sloped Connections, Add	24.08	
05 12 23 00-0296 LF W18 x 60 A992/A36 Structural Beam Or Girder	191.62	66.94
For Hot Dip Galvanizing, Add	33.35	
For High Strength Low Alloy A572-50 Steel, Add	17.25	
For High Strength Low Alloy A588 Steel, Add	38.32	
For Each Additional Top Copes >2, Add	1.20	
For Structural Tees, WT, MT Or ST, Deduct	-56.35	
For Skewed Or Sloped Connections, Add	22.99	
05 12 23 00-0297 LF W18 x 55 A992/A36 Structural Beam Or Girder	182.54	66.81
For Hot Dip Galvanizing, Add	30.90	
For High Strength Low Alloy A572-50 Steel, Add	16.43	
For High Strength Low Alloy A588 Steel, Add	36.51	
For Each Additional Top Copes >2, Add	1.11	
For Structural Tees, WT, MT Or ST, Deduct	-53.21	
For Skewed Or Sloped Connections, Add	21.90	
05 12 23 00-0298 LF W18 x 50 A992/A36 Structural Beam Or Girder	164.57	58.06
For Hot Dip Galvanizing, Add	28.45	
For High Strength Low Alloy A572-50 Steel, Add	14.81	
For High Strength Low Alloy A588 Steel, Add	32.91	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-48.29	
For Skewed Or Sloped Connections, Add	19.75	
05 12 23 00-0299 LF W18 x 46 A992/A36 Structural Beam Or Girder	157.50	57.93
For Hot Dip Galvanizing, Add	26.56	
For High Strength Low Alloy A572-50 Steel, Add	14.18	
For High Strength Low Alloy A588 Steel, Add	31.50	
For Each Additional Top Copes >2, Add	0.96	
For Structural Tees, WT, MT Or ST, Deduct	-45.86	
For Skewed Or Sloped Connections, Add	18.90	
05 12 23 00-0300 LF W18 x 40 A992/A36 Structural Beam Or Girder	137.85	49.44
For Hot Dip Galvanizing, Add	23.61	
For High Strength Low Alloy A572-50 Steel, Add	12.41	
For High Strength Low Alloy A588 Steel, Add	27.57	
For Each Additional Top Copes >2, Add	0.85	
For Structural Tees, WT, MT Or ST, Deduct	-40.33	
For Skewed Or Sloped Connections, Add	16.54	
05 12 23 00-0301 LF W18 x 35 A992/A36 Structural Beam Or Girder	128.96	49.30
For Hot Dip Galvanizing, Add	21.21	
For High Strength Low Alloy A572-50 Steel, Add	11.61	
For High Strength Low Alloy A588 Steel, Add	25.79	
For Each Additional Top Copes >2, Add	0.76	
For Structural Tees, WT, MT Or ST, Deduct	-37.26	
For Skewed Or Sloped Connections, Add	15.48	
05 12 23 00-0302 LF W16 x 100 A992/A36 Structural Beam Or Girder	237.90	44.93
For Hot Dip Galvanizing, Add	52.73	
For High Strength Low Alloy A572-50 Steel, Add	21.41	
For High Strength Low Alloy A588 Steel, Add	47.58	
For Each Additional Top Copes >2, Add	1.90	
For Structural Tees, WT, MT Or ST, Deduct	-76.08	
For Skewed Or Sloped Connections, Add	28.55	
05 12 23 00-0303 LF W16 x 89 A992/A36 Structural Beam Or Girder	217.85	44.15
For Hot Dip Galvanizing, Add	47.38	
For High Strength Low Alloy A572-50 Steel, Add	19.61	
For High Strength Low Alloy A588 Steel, Add	43.57	
For Each Additional Top Copes >2, Add	1.71	
For Structural Tees, WT, MT Or ST, Deduct	-69.18	
For Skewed Or Sloped Connections, Add	26.14	
05 12 23 00-0304 LF W16 x 77 A992/A36 Structural Beam Or Girder	196.35	43.64
For Hot Dip Galvanizing, Add	41.59	
For High Strength Low Alloy A572-50 Steel, Add	17.67	
For High Strength Low Alloy A588 Steel, Add	39.27	
For Each Additional Top Copes >2, Add	1.50	
For Structural Tees, WT, MT Or ST, Deduct	-61.75	
For Skewed Or Sloped Connections, Add	23.56	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0305 LF W16 x 67 A992/A36 Structural Beam Or Girder	178.05	43.00
For Hot Dip Galvanizing, Add	36.69	
For High Strength Low Alloy A572-50 Steel, Add	16.02	
For High Strength Low Alloy A588 Steel, Add	35.61	
For Each Additional Top Copes >2, Add	1.32	
For Structural Tees, WT, MT Or ST, Deduct	-55.44	
For Skewed Or Sloped Connections, Add	21.37	
05 12 23 00-0306 LF W16 x 57 A992/A36 Structural Beam Or Girder	159.96	42.35
For Hot Dip Galvanizing, Add	31.85	
For High Strength Low Alloy A572-50 Steel, Add	14.40	
For High Strength Low Alloy A588 Steel, Add	31.99	
For Each Additional Top Copes >2, Add	1.15	
For Structural Tees, WT, MT Or ST, Deduct	-49.21	
For Skewed Or Sloped Connections, Add	19.20	
05 12 23 00-0307 LF W16 x 50 A992/A36 Structural Beam Or Girder	147.33	41.96
For Hot Dip Galvanizing, Add	28.45	
For High Strength Low Alloy A572-50 Steel, Add	13.26	
For High Strength Low Alloy A588 Steel, Add	29.47	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-44.85	
For Skewed Or Sloped Connections, Add	17.68	
05 12 23 00-0308 LF W16 x 45 A992/A36 Structural Beam Or Girder	138.44	41.71
For Hot Dip Galvanizing, Add	26.06	
For High Strength Low Alloy A572-50 Steel, Add	12.46	
For High Strength Low Alloy A588 Steel, Add	27.69	
For Each Additional Top Copes >2, Add	0.94	
For Structural Tees, WT, MT Or ST, Deduct	-41.77	
For Skewed Or Sloped Connections, Add	16.61	
05 12 23 00-0309 LF W16 x 40 A992/A36 Structural Beam Or Girder	129.22	41.33
For Hot Dip Galvanizing, Add	23.61	
For High Strength Low Alloy A572-50 Steel, Add	11.63	
For High Strength Low Alloy A588 Steel, Add	25.84	
For Each Additional Top Copes >2, Add	0.85	
For Structural Tees, WT, MT Or ST, Deduct	-38.60	
For Skewed Or Sloped Connections, Add	15.51	
05 12 23 00-0310 LF W16 x 36 A992/A36 Structural Beam Or Girder	122.01	41.06
For Hot Dip Galvanizing, Add	21.71	
For High Strength Low Alloy A572-50 Steel, Add	10.98	
For High Strength Low Alloy A588 Steel, Add	24.40	
For Each Additional Top Copes >2, Add	0.78	
For Structural Tees, WT, MT Or ST, Deduct	-36.14	
For Skewed Or Sloped Connections, Add	14.64	
05 12 23 00-0311 LF W16 x 31 A992/A36 Structural Beam Or Girder	104.31	32.70
For Hot Dip Galvanizing, Add	19.26	
For High Strength Low Alloy A572-50 Steel, Add	9.39	
For High Strength Low Alloy A588 Steel, Add	20.86	
For Each Additional Top Copes >2, Add	0.69	
For Structural Tees, WT, MT Or ST, Deduct	-31.28	
For Skewed Or Sloped Connections, Add	12.52	
05 12 23 00-0312 LF W16 x 26 A992/A36 Structural Beam Or Girder	92.71	32.32
For Hot Dip Galvanizing, Add	16.15	
For High Strength Low Alloy A572-50 Steel, Add	8.34	
For High Strength Low Alloy A588 Steel, Add	18.54	
For Each Additional Top Copes >2, Add	0.58	
For Structural Tees, WT, MT Or ST, Deduct	-27.27	
For Skewed Or Sloped Connections, Add	11.13	
05 12 23 00-0313 LF W14 x 99 A992/A36 Structural Beam Or Girder	227.46	36.82
For Hot Dip Galvanizing, Add	52.23	
For High Strength Low Alloy A572-50 Steel, Add	20.47	
For High Strength Low Alloy A588 Steel, Add	45.49	
For Each Additional Top Copes >2, Add	1.88	
For Structural Tees, WT, MT Or ST, Deduct	-73.72	
For Skewed Or Sloped Connections, Add	27.30	
05 12 23 00-0314 LF W14 x 90 A992/A36 Structural Beam Or Girder	211.16	36.18
For Hot Dip Galvanizing, Add	47.88	
For High Strength Low Alloy A572-50 Steel, Add	19.00	
For High Strength Low Alloy A588 Steel, Add	42.23	
For Each Additional Top Copes >2, Add	1.73	
For Structural Tees, WT, MT Or ST, Deduct	-68.11	
For Skewed Or Sloped Connections, Add	25.34	
05 12 23 00-0315 LF W14 x 82 A992/A36 Structural Beam Or Girder	196.61	35.79
For Hot Dip Galvanizing, Add	43.99	
For High Strength Low Alloy A572-50 Steel, Add	17.69	
For High Strength Low Alloy A588 Steel, Add	39.32	
For Each Additional Top Copes >2, Add	1.59	
For Structural Tees, WT, MT Or ST, Deduct	-63.10	
For Skewed Or Sloped Connections, Add	23.59	
05 12 23 00-0316 LF W14 x 74 A992/A36 Structural Beam Or Girder	182.06	35.28
For Hot Dip Galvanizing, Add	40.09	
For High Strength Low Alloy A572-50 Steel, Add	16.39	
For High Strength Low Alloy A588 Steel, Add	36.41	
For Each Additional Top Copes >2, Add	1.44	
For Structural Tees, WT, MT Or ST, Deduct	-58.08	
For Skewed Or Sloped Connections, Add	21.85	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0317 LF W14 x 68 A992/A36 Structural Beam Or Girder	171.23	34.89
For Hot Dip Galvanizing, Add	37.19	
For High Strength Low Alloy A572-50 Steel, Add	15.41	
For High Strength Low Alloy A588 Steel, Add	34.25	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-54.35	
For Skewed Or Sloped Connections, Add	20.55	
05 12 23 00-0318 LF W14 x 61 A992/A36 Structural Beam Or Girder	158.61	34.50
For Hot Dip Galvanizing, Add	33.80	
For High Strength Low Alloy A572-50 Steel, Add	14.27	
For High Strength Low Alloy A588 Steel, Add	31.72	
For Each Additional Top Copes >2, Add	1.22	
For Structural Tees, WT, MT Or ST, Deduct	-49.99	
For Skewed Or Sloped Connections, Add	19.03	
05 12 23 00-0319 LF W14 x 53 A992/A36 Structural Beam Or Girder	144.24	33.99
For Hot Dip Galvanizing, Add	29.95	
For High Strength Low Alloy A572-50 Steel, Add	12.98	
For High Strength Low Alloy A588 Steel, Add	28.85	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-45.04	
For Skewed Or Sloped Connections, Add	17.31	
05 12 23 00-0320 LF W14 x 48 A992/A36 Structural Beam Or Girder	135.04	33.60
For Hot Dip Galvanizing, Add	27.51	
For High Strength Low Alloy A572-50 Steel, Add	12.15	
For High Strength Low Alloy A588 Steel, Add	27.01	
For Each Additional Top Copes >2, Add	0.99	
For Structural Tees, WT, MT Or ST, Deduct	-41.88	
For Skewed Or Sloped Connections, Add	16.20	
05 12 23 00-0321 LF W14 x 43 A992/A36 Structural Beam Or Girder	125.94	33.47
For Hot Dip Galvanizing, Add	25.06	
For High Strength Low Alloy A572-50 Steel, Add	11.33	
For High Strength Low Alloy A588 Steel, Add	25.19	
For Each Additional Top Copes >2, Add	0.90	
For Structural Tees, WT, MT Or ST, Deduct	-38.73	
For Skewed Or Sloped Connections, Add	15.11	
05 12 23 00-0322 LF W14 x 38 A992/A36 Structural Beam Or Girder	116.94	33.22
For Hot Dip Galvanizing, Add	22.66	
For High Strength Low Alloy A572-50 Steel, Add	10.52	
For High Strength Low Alloy A588 Steel, Add	23.39	
For Each Additional Top Copes >2, Add	0.82	
For Structural Tees, WT, MT Or ST, Deduct	-35.64	
For Skewed Or Sloped Connections, Add	14.03	
05 12 23 00-0323 LF W14 x 34 A992/A36 Structural Beam Or Girder	109.66	32.83
For Hot Dip Galvanizing, Add	20.71	
For High Strength Low Alloy A572-50 Steel, Add	9.87	
For High Strength Low Alloy A588 Steel, Add	21.93	
For Each Additional Top Copes >2, Add	0.75	
For Structural Tees, WT, MT Or ST, Deduct	-33.13	
For Skewed Or Sloped Connections, Add	13.16	
05 12 23 00-0324 LF W14 x 30 A992/A36 Structural Beam Or Girder	102.37	32.70
For Hot Dip Galvanizing, Add	18.76	
For High Strength Low Alloy A572-50 Steel, Add	9.21	
For High Strength Low Alloy A588 Steel, Add	20.47	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-30.62	
For Skewed Or Sloped Connections, Add	12.28	
05 12 23 00-0325 LF W14 x 26 A992/A36 Structural Beam Or Girder	95.09	32.32
For Hot Dip Galvanizing, Add	16.81	
For High Strength Low Alloy A572-50 Steel, Add	8.56	
For High Strength Low Alloy A588 Steel, Add	19.02	
For Each Additional Top Copes >2, Add	0.61	
For Structural Tees, WT, MT Or ST, Deduct	-28.11	
For Skewed Or Sloped Connections, Add	11.41	
05 12 23 00-0326 LF W14 x 22 A992/A36 Structural Beam Or Girder	88.01	32.18
For Hot Dip Galvanizing, Add	14.92	
For High Strength Low Alloy A572-50 Steel, Add	7.92	
For High Strength Low Alloy A588 Steel, Add	17.60	
For Each Additional Top Copes >2, Add	0.54	
For Structural Tees, WT, MT Or ST, Deduct	-25.67	
For Skewed Or Sloped Connections, Add	10.56	
05 12 23 00-0327 LF W12 x 87 A992/A36 Structural Beam Or Girder	205.82	36.04
For Hot Dip Galvanizing, Add	46.43	
For High Strength Low Alloy A572-50 Steel, Add	18.52	
For High Strength Low Alloy A588 Steel, Add	41.16	
For Each Additional Top Copes >2, Add	1.67	
For Structural Tees, WT, MT Or ST, Deduct	-66.26	
For Skewed Or Sloped Connections, Add	24.70	
05 12 23 00-0328 LF W12 x 79 A992/A36 Structural Beam Or Girder	191.27	35.53
For Hot Dip Galvanizing, Add	42.54	
For High Strength Low Alloy A572-50 Steel, Add	17.21	
For High Strength Low Alloy A588 Steel, Add	38.25	
For Each Additional Top Copes >2, Add	1.53	
For Structural Tees, WT, MT Or ST, Deduct	-61.25	
For Skewed Or Sloped Connections, Add	22.95	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0329 LF W12 x 72 A992/A36 Structural Beam Or Girder	178.51	35.14
For Hot Dip Galvanizing, Add	39.14	
For High Strength Low Alloy A572-50 Steel, Add	16.07	
For High Strength Low Alloy A588 Steel, Add	35.70	
For Each Additional Top Copes >2, Add	1.41	
For Structural Tees, WT, MT Or ST, Deduct	-56.86	
For Skewed Or Sloped Connections, Add	21.42	
05 12 23 00-0330 LF W12 x 65 A992/A36 Structural Beam Or Girder	165.89	34.75
For Hot Dip Galvanizing, Add	35.74	
For High Strength Low Alloy A572-50 Steel, Add	14.93	
For High Strength Low Alloy A588 Steel, Add	33.18	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-52.50	
For Skewed Or Sloped Connections, Add	19.91	
05 12 23 00-0331 LF W12 x 58 A992/A36 Structural Beam Or Girder	153.13	34.24
For Hot Dip Galvanizing, Add	32.35	
For High Strength Low Alloy A572-50 Steel, Add	13.78	
For High Strength Low Alloy A588 Steel, Add	30.63	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-48.11	
For Skewed Or Sloped Connections, Add	18.38	
05 12 23 00-0332 LF W12 x 53 A992/A36 Structural Beam Or Girder	144.24	33.99
For Hot Dip Galvanizing, Add	29.95	
For High Strength Low Alloy A572-50 Steel, Add	12.98	
For High Strength Low Alloy A588 Steel, Add	28.85	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-45.04	
For Skewed Or Sloped Connections, Add	17.31	
05 12 23 00-0333 LF W12 x 50 A992/A36 Structural Beam Or Girder	138.57	33.85
For Hot Dip Galvanizing, Add	28.45	
For High Strength Low Alloy A572-50 Steel, Add	12.47	
For High Strength Low Alloy A588 Steel, Add	27.71	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-43.09	
For Skewed Or Sloped Connections, Add	16.63	
05 12 23 00-0334 LF W12 x 45 A992/A36 Structural Beam Or Girder	129.69	33.60
For Hot Dip Galvanizing, Add	26.06	
For High Strength Low Alloy A572-50 Steel, Add	11.67	
For High Strength Low Alloy A588 Steel, Add	25.94	
For Each Additional Top Copes >2, Add	0.94	
For Structural Tees, WT, MT Or ST, Deduct	-40.02	
For Skewed Or Sloped Connections, Add	15.56	
05 12 23 00-0335 LF W12 x 40 A992/A36 Structural Beam Or Girder	111.71	24.97
For Hot Dip Galvanizing, Add	23.61	
For High Strength Low Alloy A572-50 Steel, Add	10.05	
For High Strength Low Alloy A588 Steel, Add	22.34	
For Each Additional Top Copes >2, Add	0.85	
For Structural Tees, WT, MT Or ST, Deduct	-35.10	
For Skewed Or Sloped Connections, Add	13.41	
05 12 23 00-0336 LF W12 x 35 A992/A36 Structural Beam Or Girder	102.83	24.84
For Hot Dip Galvanizing, Add	21.21	
For High Strength Low Alloy A572-50 Steel, Add	9.25	
For High Strength Low Alloy A588 Steel, Add	20.57	
For Each Additional Top Copes >2, Add	0.76	
For Structural Tees, WT, MT Or ST, Deduct	-32.03	
For Skewed Or Sloped Connections, Add	12.34	
05 12 23 00-0337 LF W12 x 30 A992/A36 Structural Beam Or Girder	93.63	24.46
For Hot Dip Galvanizing, Add	18.76	
For High Strength Low Alloy A572-50 Steel, Add	8.43	
For High Strength Low Alloy A588 Steel, Add	18.73	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-28.87	
For Skewed Or Sloped Connections, Add	11.24	
05 12 23 00-0338 LF W12 x 26 A992/A36 Structural Beam Or Girder	86.33	24.21
For Hot Dip Galvanizing, Add	16.81	
For High Strength Low Alloy A572-50 Steel, Add	7.77	
For High Strength Low Alloy A588 Steel, Add	17.27	
For Each Additional Top Copes >2, Add	0.61	
For Structural Tees, WT, MT Or ST, Deduct	-26.35	
For Skewed Or Sloped Connections, Add	10.36	
05 12 23 00-0339 LF W12 x 22 A992/A36 Structural Beam Or Girder	79.26	23.94
For Hot Dip Galvanizing, Add	14.92	
For High Strength Low Alloy A572-50 Steel, Add	7.13	
For High Strength Low Alloy A588 Steel, Add	15.85	
For Each Additional Top Copes >2, Add	0.54	
For Structural Tees, WT, MT Or ST, Deduct	-23.92	
For Skewed Or Sloped Connections, Add	9.51	
05 12 23 00-0340 LF W12 x 19 A992/A36 Structural Beam Or Girder	73.71	23.82
For Hot Dip Galvanizing, Add	13.42	
For High Strength Low Alloy A572-50 Steel, Add	6.63	
For High Strength Low Alloy A588 Steel, Add	14.74	
For Each Additional Top Copes >2, Add	0.48	
For Structural Tees, WT, MT Or ST, Deduct	-21.99	
For Skewed Or Sloped Connections, Add	8.85	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0341 LF W12 x 16 A992/A36 Structural Beam Or Girder	68.24	23.43
For Hot Dip Galvanizing, Add	11.97	
For High Strength Low Alloy A572-50 Steel, Add	6.14	
For High Strength Low Alloy A588 Steel, Add	13.65	
For Each Additional Top Copes >2, Add	0.43	
For Structural Tees, WT, MT Or ST, Deduct	-20.12	
For Skewed Or Sloped Connections, Add	8.19	
05 12 23 00-0342 LF W12 x 14 A992/A36 Structural Beam Or Girder	64.70	23.43
For Hot Dip Galvanizing, Add	11.03	
For High Strength Low Alloy A572-50 Steel, Add	5.82	
For High Strength Low Alloy A588 Steel, Add	12.94	
For Each Additional Top Copes >2, Add	0.40	
For Structural Tees, WT, MT Or ST, Deduct	-18.90	
For Skewed Or Sloped Connections, Add	7.76	
05 12 23 00-0343 LF W10 x 68 A992/A36 Structural Beam Or Girder	163.01	26.91
For Hot Dip Galvanizing, Add	37.30	
For High Strength Low Alloy A572-50 Steel, Add	14.67	
For High Strength Low Alloy A588 Steel, Add	32.60	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-52.77	
For Skewed Or Sloped Connections, Add	19.56	
05 12 23 00-0344 LF W10 x 60 A992/A36 Structural Beam Or Girder	148.65	26.39
For Hot Dip Galvanizing, Add	33.46	
For High Strength Low Alloy A572-50 Steel, Add	13.38	
For High Strength Low Alloy A588 Steel, Add	29.73	
For Each Additional Top Copes >2, Add	1.21	
For Structural Tees, WT, MT Or ST, Deduct	-47.82	
For Skewed Or Sloped Connections, Add	17.84	
05 12 23 00-0345 LF W10 x 54 A992/A36 Structural Beam Or Girder	137.63	25.88
For Hot Dip Galvanizing, Add	30.51	
For High Strength Low Alloy A572-50 Steel, Add	12.39	
For High Strength Low Alloy A588 Steel, Add	27.53	
For Each Additional Top Copes >2, Add	1.10	
For Structural Tees, WT, MT Or ST, Deduct	-44.02	
For Skewed Or Sloped Connections, Add	16.52	
05 12 23 00-0346 LF W10 x 49 A992/A36 Structural Beam Or Girder	128.61	25.62
For Hot Dip Galvanizing, Add	28.12	
For High Strength Low Alloy A572-50 Steel, Add	11.57	
For High Strength Low Alloy A588 Steel, Add	25.72	
For Each Additional Top Copes >2, Add	1.01	
For Structural Tees, WT, MT Or ST, Deduct	-40.92	
For Skewed Or Sloped Connections, Add	15.43	
05 12 23 00-0347 LF W10 x 45 A992/A36 Structural Beam Or Girder	121.33	25.49
For Hot Dip Galvanizing, Add	26.17	
For High Strength Low Alloy A572-50 Steel, Add	10.92	
For High Strength Low Alloy A588 Steel, Add	24.27	
For Each Additional Top Copes >2, Add	0.94	
For Structural Tees, WT, MT Or ST, Deduct	-38.41	
For Skewed Or Sloped Connections, Add	14.56	
05 12 23 00-0348 LF W10 x 39 A992/A36 Structural Beam Or Girder	110.51	24.97
For Hot Dip Galvanizing, Add	23.27	
For High Strength Low Alloy A572-50 Steel, Add	9.95	
For High Strength Low Alloy A588 Steel, Add	22.10	
For Each Additional Top Copes >2, Add	0.84	
For Structural Tees, WT, MT Or ST, Deduct	-34.68	
For Skewed Or Sloped Connections, Add	13.26	
05 12 23 00-0349 LF W10 x 33 A992/A36 Structural Beam Or Girder	99.69	24.59
For Hot Dip Galvanizing, Add	20.38	
For High Strength Low Alloy A572-50 Steel, Add	8.97	
For High Strength Low Alloy A588 Steel, Add	19.94	
For Each Additional Top Copes >2, Add	0.73	
For Structural Tees, WT, MT Or ST, Deduct	-30.95	
For Skewed Or Sloped Connections, Add	11.96	
05 12 23 00-0350 LF W10 x 30 A992/A36 Structural Beam Or Girder	94.15	24.46
For Hot Dip Galvanizing, Add	18.88	
For High Strength Low Alloy A572-50 Steel, Add	8.47	
For High Strength Low Alloy A588 Steel, Add	18.83	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-29.03	
For Skewed Or Sloped Connections, Add	11.30	
05 12 23 00-0351 LF W10 x 26 A992/A36 Structural Beam Or Girder	87.08	24.33
For Hot Dip Galvanizing, Add	16.98	
For High Strength Low Alloy A572-50 Steel, Add	7.84	
For High Strength Low Alloy A588 Steel, Add	17.42	
For Each Additional Top Copes >2, Add	0.61	
For Structural Tees, WT, MT Or ST, Deduct	-26.60	
For Skewed Or Sloped Connections, Add	10.45	
05 12 23 00-0352 LF W10 x 22 A992/A36 Structural Beam Or Girder	79.66	23.94
For Hot Dip Galvanizing, Add	15.03	
For High Strength Low Alloy A572-50 Steel, Add	7.17	
For High Strength Low Alloy A588 Steel, Add	15.93	
For Each Additional Top Copes >2, Add	0.54	
For Structural Tees, WT, MT Or ST, Deduct	-24.06	
For Skewed Or Sloped Connections, Add	9.56	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0353 LF W10 x 19 A992/A36 Structural Beam Or Girder	74.32	23.82
For Hot Dip Galvanizing, Add	13.59	
For High Strength Low Alloy A572-50 Steel, Add	6.69	
For High Strength Low Alloy A588 Steel, Add	14.86	
For Each Additional Top Copes >2, Add	0.49	
For Structural Tees, WT, MT Or ST, Deduct	-22.21	
For Skewed Or Sloped Connections, Add	8.92	
05 12 23 00-0354 LF W10 x 17 A992/A36 Structural Beam Or Girder	70.57	23.68
For Hot Dip Galvanizing, Add	12.58	
For High Strength Low Alloy A572-50 Steel, Add	6.35	
For High Strength Low Alloy A588 Steel, Add	14.11	
For Each Additional Top Copes >2, Add	0.45	
For Structural Tees, WT, MT Or ST, Deduct	-20.92	
For Skewed Or Sloped Connections, Add	8.47	
05 12 23 00-0355 LF W10 x 15 A992/A36 Structural Beam Or Girder	67.04	23.43
For Hot Dip Galvanizing, Add	11.64	
For High Strength Low Alloy A572-50 Steel, Add	6.03	
For High Strength Low Alloy A588 Steel, Add	13.41	
For Each Additional Top Copes >2, Add	0.42	
For Structural Tees, WT, MT Or ST, Deduct	-19.70	
For Skewed Or Sloped Connections, Add	8.04	
05 12 23 00-0356 LF W10 x 12 A992/A36 Structural Beam Or Girder	61.69	23.43
For Hot Dip Galvanizing, Add	10.19	
For High Strength Low Alloy A572-50 Steel, Add	5.55	
For High Strength Low Alloy A588 Steel, Add	12.34	
For Each Additional Top Copes >2, Add	0.37	
For Structural Tees, WT, MT Or ST, Deduct	-17.85	
For Skewed Or Sloped Connections, Add	7.40	
05 12 23 00-0357 LF W8 x 35 A992/A36 Structural Beam Or Girder	103.23	24.84
For Hot Dip Galvanizing, Add	21.32	
For High Strength Low Alloy A572-50 Steel, Add	9.29	
For High Strength Low Alloy A588 Steel, Add	20.65	
For Each Additional Top Copes >2, Add	0.77	
For Structural Tees, WT, MT Or ST, Deduct	-32.17	
For Skewed Or Sloped Connections, Add	12.39	
05 12 23 00-0358 LF W8 x 31 A992/A36 Structural Beam Or Girder	95.95	24.46
For Hot Dip Galvanizing, Add	19.38	
For High Strength Low Alloy A572-50 Steel, Add	8.64	
For High Strength Low Alloy A588 Steel, Add	19.19	
For Each Additional Top Copes >2, Add	0.70	
For Structural Tees, WT, MT Or ST, Deduct	-29.66	
For Skewed Or Sloped Connections, Add	11.51	
05 12 23 00-0359 LF W8 x 28 A992/A36 Structural Beam Or Girder	94.37	23.04
For Hot Dip Galvanizing, Add	19.36	
For High Strength Low Alloy A572-50 Steel, Add	8.49	
For High Strength Low Alloy A588 Steel, Add	18.87	
For Each Additional Top Copes >2, Add	0.70	
For Structural Tees, WT, MT Or ST, Deduct	-29.34	
For Skewed Or Sloped Connections, Add	11.32	
05 12 23 00-0360 LF W8 x 24 A992/A36 Structural Beam Or Girder	85.91	21.63
For Hot Dip Galvanizing, Add	17.45	
For High Strength Low Alloy A572-50 Steel, Add	7.73	
For High Strength Low Alloy A588 Steel, Add	17.18	
For Each Additional Top Copes >2, Add	0.63	
For Structural Tees, WT, MT Or ST, Deduct	-26.61	
For Skewed Or Sloped Connections, Add	10.31	
05 12 23 00-0361 LF W8 x 21 A992/A36 Structural Beam Or Girder	79.94	20.08
For Hot Dip Galvanizing, Add	16.22	
For High Strength Low Alloy A572-50 Steel, Add	7.19	
For High Strength Low Alloy A588 Steel, Add	15.99	
For Each Additional Top Copes >2, Add	0.58	
For Structural Tees, WT, MT Or ST, Deduct	-24.75	
For Skewed Or Sloped Connections, Add	9.59	
05 12 23 00-0362 LF W8 x 18 A992/A36 Structural Beam Or Girder	69.72	18.67
For Hot Dip Galvanizing, Add	13.81	
For High Strength Low Alloy A572-50 Steel, Add	6.27	
For High Strength Low Alloy A588 Steel, Add	13.94	
For Each Additional Top Copes >2, Add	0.50	
For Structural Tees, WT, MT Or ST, Deduct	-21.41	
For Skewed Or Sloped Connections, Add	8.37	
05 12 23 00-0363 LF W8 x 10 A992/A36 Structural Beam Or Girder	38.76	13.38
For Hot Dip Galvanizing, Add	6.83	
For High Strength Low Alloy A572-50 Steel, Add	3.49	
For High Strength Low Alloy A588 Steel, Add	7.75	
For Each Additional Top Copes >2, Add	0.25	
For Structural Tees, WT, MT Or ST, Deduct	-11.44	
For Skewed Or Sloped Connections, Add	4.65	
05 12 23 00-0364 LF W6 x 9 A992/A36 Structural Beam Or Girder	35.86	10.95
For Hot Dip Galvanizing, Add	6.74	
For High Strength Low Alloy A572-50 Steel, Add	3.23	
For High Strength Low Alloy A588 Steel, Add	7.17	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-10.81	
For Skewed Or Sloped Connections, Add	4.30	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

05 12 23 00-0365			A992/A36 Structural Steel, M Shapes <small>(05 12 23 00-0147)</small>	
Note: Includes material delivery and erection.				
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel.....	69.01	17.33
		For Hot Dip Galvanizing, Add	14.02	
		For High Strength Low Alloy A572-50 Steel, Add	6.21	
		For High Strength Low Alloy A588 Grade B Steel, Add	13.80	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel.....	49.47	15.33
		For Hot Dip Galvanizing, Add	9.19	
		For High Strength Low Alloy A572-50 Steel, Add	4.45	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.89	
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel.....	38.38	12.31
		For Hot Dip Galvanizing, Add	7.01	
		For High Strength Low Alloy A572-50 Steel, Add	3.45	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.68	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel.....	27.73	8.89
		For Hot Dip Galvanizing, Add	5.06	
		For High Strength Low Alloy A572-50 Steel, Add	2.50	
		For High Strength Low Alloy A588 Grade B Steel, Add	5.55	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel.....	78.02	20.73
		For Hot Dip Galvanizing, Add	15.58	
		For High Strength Low Alloy A572-50 Steel, Add	7.02	
		For High Strength Low Alloy A588 Grade B Steel, Add	15.60	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel.....	18.75	6.01
		For Hot Dip Galvanizing, Add	3.42	
		For High Strength Low Alloy A572-50 Steel, Add	1.69	
		For High Strength Low Alloy A588 Grade B Steel, Add	3.75	
05 12 23 00-0372	LF	M5 x 18.9 A992/A36 Structural Steel.....	75.10	20.73
		For Hot Dip Galvanizing, Add	14.70	
		For High Strength Low Alloy A572-50 Steel, Add	6.76	
		For High Strength Low Alloy A588 Grade B Steel, Add	15.02	
05 12 23 00-0373	LF	M4 x 13 A992/A36 Structural Steel.....	61.56	20.34
		For Hot Dip Galvanizing, Add	11.08	
		For High Strength Low Alloy A572-50 Steel, Add	5.54	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.31	

05 12 23 00-0374			A992/A36 Structural Steel, S Shapes <small>(05 12 23 00-0147)</small>	
Note: Includes material delivery and erection.				
05 12 23 00-0375	LF	S24 x 121 A992/A36 Structural Steel.....	415.34	87.81
		For Hot Dip Galvanizing, Add	89.28	
		For High Strength Low Alloy A572-50 Steel, Add	37.38	
		For High Strength Low Alloy A588 Grade B Steel, Add	83.07	
05 12 23 00-0376	LF	S24 x 106 A992/A36 Structural Steel.....	368.18	80.98
		For Hot Dip Galvanizing, Add	78.21	
		For High Strength Low Alloy A572-50 Steel, Add	33.14	
		For High Strength Low Alloy A588 Grade B Steel, Add	73.64	
05 12 23 00-0377	LF	S24 x 100 A992/A36 Structural Steel.....	351.62	80.41
		For Hot Dip Galvanizing, Add	73.78	
		For High Strength Low Alloy A572-50 Steel, Add	31.65	
		For High Strength Low Alloy A588 Grade B Steel, Add	70.32	
05 12 23 00-0378	LF	S24 x 90 A992/A36 Structural Steel.....	320.52	76.18
		For Hot Dip Galvanizing, Add	66.41	
		For High Strength Low Alloy A572-50 Steel, Add	28.85	
		For High Strength Low Alloy A588 Grade B Steel, Add	64.10	
05 12 23 00-0379	LF	S24 x 80 A992/A36 Structural Steel.....	288.69	71.28
		For Hot Dip Galvanizing, Add	59.03	
		For High Strength Low Alloy A572-50 Steel, Add	25.98	
		For High Strength Low Alloy A588 Grade B Steel, Add	57.74	
05 12 23 00-0380	LF	S20 x 96 A992/A36 Structural Steel.....	337.56	77.19
		For Hot Dip Galvanizing, Add	70.83	
		For High Strength Low Alloy A572-50 Steel, Add	30.38	
		For High Strength Low Alloy A588 Grade B Steel, Add	67.51	
05 12 23 00-0381	LF	S20 x 86 A992/A36 Structural Steel.....	306.27	72.79
		For Hot Dip Galvanizing, Add	63.45	
		For High Strength Low Alloy A572-50 Steel, Add	27.56	
		For High Strength Low Alloy A588 Grade B Steel, Add	61.25	
05 12 23 00-0382	LF	S20 x 75 A992/A36 Structural Steel.....	270.66	66.83
		For Hot Dip Galvanizing, Add	55.34	
		For High Strength Low Alloy A572-50 Steel, Add	24.36	
		For High Strength Low Alloy A588 Grade B Steel, Add	54.13	
05 12 23 00-0383	LF	S20 x 66 A992/A36 Structural Steel.....	241.48	61.90
		For Hot Dip Galvanizing, Add	48.70	
		For High Strength Low Alloy A572-50 Steel, Add	21.73	
		For High Strength Low Alloy A588 Grade B Steel, Add	48.30	
05 12 23 00-0384	LF	S18 x 70 A992/A36 Structural Steel.....	256.12	65.66
		For Hot Dip Galvanizing, Add	51.65	
		For High Strength Low Alloy A572-50 Steel, Add	23.05	
		For High Strength Low Alloy A588 Grade B Steel, Add	51.22	
05 12 23 00-0385	LF	S18 x 54.7 A992/A36 Structural Steel.....	203.02	54.01
		For Hot Dip Galvanizing, Add	40.36	
		For High Strength Low Alloy A572-50 Steel, Add	18.27	
		For High Strength Low Alloy A588 Grade B Steel, Add	40.60	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0386 LF S15 x 50 A992/A36 Structural Steel	188.34	51.96
For Hot Dip Galvanizing, Add	36.89	
For High Strength Low Alloy A572-50 Steel, Add	16.95	
For High Strength Low Alloy A588 Grade B Steel, Add	37.67	
05 12 23 00-0387 LF S15 x 42.9 A992/A36 Structural Steel	164.10	46.92
For Hot Dip Galvanizing, Add	31.65	
For High Strength Low Alloy A572-50 Steel, Add	14.77	
For High Strength Low Alloy A588 Grade B Steel, Add	32.82	
05 12 23 00-0388 LF S12 x 50 A992/A36 Structural Steel	185.57	49.36
For Hot Dip Galvanizing, Add	36.89	
For High Strength Low Alloy A572-50 Steel, Add	16.70	
For High Strength Low Alloy A588 Grade B Steel, Add	37.11	
05 12 23 00-0389 LF S12 x 40.8 A992/A36 Structural Steel	153.68	42.40
For Hot Dip Galvanizing, Add	30.10	
For High Strength Low Alloy A572-50 Steel, Add	13.83	
For High Strength Low Alloy A588 Grade B Steel, Add	30.74	
05 12 23 00-0390 LF S12 x 35 A992/A36 Structural Steel	133.87	38.28
For Hot Dip Galvanizing, Add	25.82	
For High Strength Low Alloy A572-50 Steel, Add	12.05	
For High Strength Low Alloy A588 Grade B Steel, Add	26.77	
05 12 23 00-0391 LF S12 x 31.8 A992/A36 Structural Steel	123.59	36.62
For Hot Dip Galvanizing, Add	23.46	
For High Strength Low Alloy A572-50 Steel, Add	11.12	
For High Strength Low Alloy A588 Grade B Steel, Add	24.72	
05 12 23 00-0392 LF S10 x 35 A992/A36 Structural Steel	136.03	40.31
For Hot Dip Galvanizing, Add	25.82	
For High Strength Low Alloy A572-50 Steel, Add	12.24	
For High Strength Low Alloy A588 Grade B Steel, Add	27.21	
05 12 23 00-0393 LF S10 x 25.4 A992/A36 Structural Steel	100.36	30.79
For Hot Dip Galvanizing, Add	18.74	
For High Strength Low Alloy A572-50 Steel, Add	9.03	
For High Strength Low Alloy A588 Grade B Steel, Add	20.07	
05 12 23 00-0394 LF S8 x 23 A992/A36 Structural Steel	90.87	27.88
For Hot Dip Galvanizing, Add	16.97	
For High Strength Low Alloy A572-50 Steel, Add	8.18	
For High Strength Low Alloy A588 Grade B Steel, Add	18.17	
05 12 23 00-0395 LF S8 x 18.4 A992/A36 Structural Steel	73.95	23.48
For Hot Dip Galvanizing, Add	13.58	
For High Strength Low Alloy A572-50 Steel, Add	6.66	
For High Strength Low Alloy A588 Grade B Steel, Add	14.79	
05 12 23 00-0396 LF S7 x 20 A992/A36 Structural Steel	80.38	25.51
For Hot Dip Galvanizing, Add	14.76	
For High Strength Low Alloy A572-50 Steel, Add	7.23	
For High Strength Low Alloy A588 Grade B Steel, Add	16.08	
05 12 23 00-0397 LF S7 x 15.3 A992/A36 Structural Steel	62.59	20.56
For Hot Dip Galvanizing, Add	11.29	
For High Strength Low Alloy A572-50 Steel, Add	5.63	
For High Strength Low Alloy A588 Grade B Steel, Add	12.52	
05 12 23 00-0398 LF S6 x 17.25 A992/A36 Structural Steel	69.05	21.74
For Hot Dip Galvanizing, Add	12.73	
For High Strength Low Alloy A572-50 Steel, Add	6.21	
For High Strength Low Alloy A588 Grade B Steel, Add	13.81	
05 12 23 00-0399 LF S6 x 12.5 A992/A36 Structural Steel	59.12	20.08
For Hot Dip Galvanizing, Add	10.44	
For High Strength Low Alloy A572-50 Steel, Add	5.32	
For High Strength Low Alloy A588 Grade B Steel, Add	11.82	
05 12 23 00-0400 LF S5 x 14.75 A992/A36 Structural Steel	63.01	20.47
For Hot Dip Galvanizing, Add	11.45	
For High Strength Low Alloy A572-50 Steel, Add	5.67	
For High Strength Low Alloy A588 Grade B Steel, Add	12.60	
05 12 23 00-0401 LF S5 x 10 A992/A36 Structural Steel	53.38	19.96
For Hot Dip Galvanizing, Add	8.88	
For High Strength Low Alloy A572-50 Steel, Add	4.80	
For High Strength Low Alloy A588 Grade B Steel, Add	10.68	
05 12 23 00-0402 LF S4 x 9.5 A992/A36 Structural Steel	51.89	19.96
For Hot Dip Galvanizing, Add	8.47	
For High Strength Low Alloy A572-50 Steel, Add	4.67	
For High Strength Low Alloy A588 Grade B Steel, Add	10.38	
05 12 23 00-0403 LF S4 x 7.7 A992/A36 Structural Steel	48.46	19.96
For Hot Dip Galvanizing, Add	7.55	
For High Strength Low Alloy A572-50 Steel, Add	4.36	
For High Strength Low Alloy A588 Grade B Steel, Add	9.69	
05 12 23 00-0404 LF S3 x 7.5 A992/A36 Structural Steel	48.13	19.96
For Hot Dip Galvanizing, Add	7.46	
For High Strength Low Alloy A572-50 Steel, Add	4.33	
For High Strength Low Alloy A588 Grade B Steel, Add	9.63	
05 12 23 00-0405 LF S3 x 5.7 A992/A36 Structural Steel	44.04	19.82
For Hot Dip Galvanizing, Add	6.36	
For High Strength Low Alloy A572-50 Steel, Add	3.96	
For High Strength Low Alloy A588 Grade B Steel, Add	8.81	

05 12 23 00-0406 A992/A36 Structural Steel, HP Shapes (05 12 23 00-0147)
Note: Includes material delivery and erection.



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0407 LF HP14 x 117 A992/A36 Structural Steel.....	256.23	26.02
For Hot Dip Galvanizing, Add	63.41	
For High Strength Low Alloy A572-50 Steel, Add	23.06	
For High Strength Low Alloy A588 Grade B Steel, Add	51.25	
05 12 23 00-0408 LF HP14 x 102 A992/A36 Structural Steel.....	224.18	24.21
For Hot Dip Galvanizing, Add	55.05	
For High Strength Low Alloy A572-50 Steel, Add	20.18	
For High Strength Low Alloy A588 Grade B Steel, Add	44.84	
05 12 23 00-0409 LF HP14 x 89 A992/A36 Structural Steel.....	199.73	22.71
For Hot Dip Galvanizing, Add	48.71	
For High Strength Low Alloy A572-50 Steel, Add	17.98	
For High Strength Low Alloy A588 Grade B Steel, Add	39.95	
05 12 23 00-0410 LF HP14 x 73 A992/A36 Structural Steel.....	165.32	21.40
For Hot Dip Galvanizing, Add	39.55	
For High Strength Low Alloy A572-50 Steel, Add	14.88	
For High Strength Low Alloy A588 Grade B Steel, Add	33.06	
05 12 23 00-0411 LF HP13 x 100 A992/A36 Structural Steel.....	219.80	23.74
For Hot Dip Galvanizing, Add	53.97	
For High Strength Low Alloy A572-50 Steel, Add	19.78	
For High Strength Low Alloy A588 Grade B Steel, Add	43.96	
05 12 23 00-0412 LF HP13 x 87 A992/A36 Structural Steel.....	195.24	22.20
For Hot Dip Galvanizing, Add	47.61	
For High Strength Low Alloy A572-50 Steel, Add	17.57	
For High Strength Low Alloy A588 Grade B Steel, Add	39.05	
05 12 23 00-0413 LF HP13 x 73 A992/A36 Structural Steel.....	165.32	21.40
For Hot Dip Galvanizing, Add	39.55	
For High Strength Low Alloy A572-50 Steel, Add	14.88	
For High Strength Low Alloy A588 Grade B Steel, Add	33.06	
05 12 23 00-0414 LF HP13 x 60 A992/A36 Structural Steel.....	140.04	20.51
For Hot Dip Galvanizing, Add	32.79	
For High Strength Low Alloy A572-50 Steel, Add	12.60	
For High Strength Low Alloy A588 Grade B Steel, Add	28.01	
05 12 23 00-0415 LF HP12 x 84 A992/A36 Structural Steel.....	184.15	23.41
For Hot Dip Galvanizing, Add	44.18	
For High Strength Low Alloy A572-50 Steel, Add	16.57	
For High Strength Low Alloy A588 Grade B Steel, Add	36.83	
05 12 23 00-0416 LF HP12 x 74 A992/A36 Structural Steel.....	162.68	22.08
For Hot Dip Galvanizing, Add	38.61	
For High Strength Low Alloy A572-50 Steel, Add	14.64	
For High Strength Low Alloy A588 Grade B Steel, Add	32.54	
05 12 23 00-0417 LF HP12 x 63 A992/A36 Structural Steel.....	140.02	20.30
For Hot Dip Galvanizing, Add	32.85	
For High Strength Low Alloy A572-50 Steel, Add	12.60	
For High Strength Low Alloy A588 Grade B Steel, Add	28.00	
05 12 23 00-0418 LF HP12 x 53 A992/A36 Structural Steel.....	128.38	19.30
For Hot Dip Galvanizing, Add	29.91	
For High Strength Low Alloy A572-50 Steel, Add	11.55	
For High Strength Low Alloy A588 Grade B Steel, Add	25.68	
05 12 23 00-0419 LF HP10 x 57 A992/A36 Structural Steel.....	135.25	19.81
For Hot Dip Galvanizing, Add	31.67	
For High Strength Low Alloy A572-50 Steel, Add	12.17	
For High Strength Low Alloy A588 Grade B Steel, Add	27.05	
05 12 23 00-0420 LF HP10 x 42 A992/A36 Structural Steel.....	111.44	18.57
For Hot Dip Galvanizing, Add	25.43	
For High Strength Low Alloy A572-50 Steel, Add	10.03	
For High Strength Low Alloy A588 Grade B Steel, Add	22.29	
05 12 23 00-0421 LF HP8 x 36 A992/A36 Structural Steel.....	96.87	17.50
For Hot Dip Galvanizing, Add	21.70	
For High Strength Low Alloy A572-50 Steel, Add	8.72	
For High Strength Low Alloy A588 Grade B Steel, Add	19.37	
05 12 23 00-0422 Lightweight Framing Steel Shapes <small>(05 12 23)</small>		
Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0423 Angle Iron - L <small>(05 12 23 00-0422)</small>		
05 12 23 00-0424 1/8" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0425 LF 1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.95	1.77
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.52	
For 316 Stainless Steel, Add	1.86	
For Aluminum, Add	0.10	
For Galvanized Steel, Add	0.36	
For 304 Stainless Steel, Add	1.65	
For High Strength Steel (HSS), Add	0.59	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0426	LF		3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	3.42	2.01
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000, Deduct</i>	-0.59	
			<i>For 316 Stainless Steel, Add</i>	2.34	
			<i>For Aluminum, Add</i>	0.13	
			<i>For Galvanized Steel, Add</i>	0.45	
			<i>For 304 Stainless Steel, Add</i>	2.08	
			<i>For High Strength Steel (HSS), Add</i>	0.68	
05 12 23 00-0427	LF		3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	3.86	2.22
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.49	
			<i>For >1,000, Deduct</i>	-0.66	
			<i>For 316 Stainless Steel, Add</i>	2.88	
			<i>For Aluminum, Add</i>	0.16	
			<i>For Galvanized Steel, Add</i>	0.56	
			<i>For 304 Stainless Steel, Add</i>	2.57	
			<i>For High Strength Steel (HSS), Add</i>	0.77	
05 12 23 00-0428	LF		1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	4.34	2.47
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000, Deduct</i>	-0.74	
			<i>For 316 Stainless Steel, Add</i>	3.36	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.65	
			<i>For 304 Stainless Steel, Add</i>	2.99	
			<i>For High Strength Steel (HSS), Add</i>	0.87	
05 12 23 00-0429	LF		1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	4.78	2.67
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.60	
			<i>For >1,000, Deduct</i>	-0.80	
			<i>For 316 Stainless Steel, Add</i>	3.90	
			<i>For Aluminum, Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.76	
			<i>For 304 Stainless Steel, Add</i>	3.48	
			<i>For High Strength Steel (HSS), Add</i>	0.96	
05 12 23 00-0430	LF		1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron.....	5.74	3.14
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.71	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	4.96	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.96	
			<i>For 304 Stainless Steel, Add</i>	4.42	
			<i>For High Strength Steel (HSS), Add</i>	1.15	
05 12 23 00-0431	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	5.74	3.14
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.71	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	4.96	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.96	
			<i>For 304 Stainless Steel, Add</i>	4.42	
			<i>For High Strength Steel (HSS), Add</i>	1.15	
05 12 23 00-0432	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron.....	6.35	3.37
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.77	
			<i>For >1,000, Deduct</i>	-1.04	
			<i>For 316 Stainless Steel, Add</i>	5.95	
			<i>For Aluminum, Add</i>	0.33	
			<i>For Galvanized Steel, Add</i>	1.15	
			<i>For 304 Stainless Steel, Add</i>	5.30	
			<i>For High Strength Steel (HSS), Add</i>	1.27	
05 12 23 00-0433	LF		1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron.....	6.86	3.48
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.81	
			<i>For >1,000, Deduct</i>	-1.10	
			<i>For 316 Stainless Steel, Add</i>	7.07	
			<i>For Aluminum, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.37	
			<i>For 304 Stainless Steel, Add</i>	6.30	
			<i>For High Strength Steel (HSS), Add</i>	1.37	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0434 LF 2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.86	3.48
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.10	
For 316 Stainless Steel, Add	7.07	
For Aluminum, Add	0.40	
For Galvanized Steel, Add	1.37	
For 304 Stainless Steel, Add	6.30	
For High Strength Steel (HSS), Add	1.37	
05 12 23 00-0435 LF 2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.33	3.60
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.15	
For 316 Stainless Steel, Add	8.10	
For Aluminum, Add	0.46	
For Galvanized Steel, Add	1.57	
For 304 Stainless Steel, Add	7.21	
For High Strength Steel (HSS), Add	1.47	
05 12 23 00-0436 3/16" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0437 LF 1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.54	2.82
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.65	
For >1,000, Deduct	-0.89	
For 316 Stainless Steel, Add	5.70	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.07	
For High Strength Steel (HSS), Add	1.11	
05 12 23 00-0438 LF 1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.69	3.11
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.05	
For 316 Stainless Steel, Add	7.26	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.41	
For 304 Stainless Steel, Add	6.47	
For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0439 LF 1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.69	3.31
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.05	
For 316 Stainless Steel, Add	7.26	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.41	
For 304 Stainless Steel, Add	6.47	
For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0440 LF 1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.49	3.56
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.15	
For 316 Stainless Steel, Add	8.83	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.71	
For 304 Stainless Steel, Add	7.87	
For High Strength Steel (HSS), Add	1.50	
05 12 23 00-0441 LF 1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	8.16	3.68
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.90	
For >1,000, Deduct	-1.23	
For 316 Stainless Steel, Add	10.40	
For Aluminum, Add	0.59	
For Galvanized Steel, Add	2.02	
For 304 Stainless Steel, Add	9.26	
For High Strength Steel (HSS), Add	1.63	
05 12 23 00-0442 LF 2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	8.16	3.68
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.90	
For >1,000, Deduct	-1.23	
For 316 Stainless Steel, Add	10.40	
For Aluminum, Add	0.59	
For Galvanized Steel, Add	2.02	
For 304 Stainless Steel, Add	9.26	
For High Strength Steel (HSS), Add	1.63	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0443	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	8.83	3.81
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.30	
			<i>For 316 Stainless Steel, Add</i>	12.00	
			<i>For Aluminum, Add</i>	0.68	
			<i>For Galvanized Steel, Add</i>	2.33	
			<i>For 304 Stainless Steel, Add</i>	10.69	
			<i>For High Strength Steel (HSS), Add</i>	1.77	
05 12 23 00-0444	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.66	4.08
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500 To 1,000, Deduct</i>	-1.03	
			<i>For >1,000, Deduct</i>	-1.40	
			<i>For 316 Stainless Steel, Add</i>	13.50	
			<i>For Aluminum, Add</i>	0.76	
			<i>For Galvanized Steel, Add</i>	2.62	
			<i>For 304 Stainless Steel, Add</i>	12.03	
			<i>For High Strength Steel (HSS), Add</i>	1.93	
05 12 23 00-0445	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.56	4.37
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.11	
			<i>For >1,000, Deduct</i>	-1.52	
			<i>For 316 Stainless Steel, Add</i>	15.14	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.93	
			<i>For 304 Stainless Steel, Add</i>	13.48	
			<i>For High Strength Steel (HSS), Add</i>	2.11	
05 12 23 00-0446	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	10.54	4.37
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.11	
			<i>For >1,000, Deduct</i>	-1.52	
			<i>For 316 Stainless Steel, Add</i>	15.07	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.11	
05 12 23 00-0447	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.64	4.82
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	16.64	
			<i>For Aluminum, Add</i>	0.94	
			<i>For Galvanized Steel, Add</i>	3.22	
			<i>For 304 Stainless Steel, Add</i>	14.82	
			<i>For High Strength Steel (HSS), Add</i>	2.33	
05 12 23 00-0448	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron.....	12.73	5.29
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500 To 1,000, Deduct</i>	-1.34	
			<i>For >1,000, Deduct</i>	-1.83	
			<i>For 316 Stainless Steel, Add</i>	18.21	
			<i>For Aluminum, Add</i>	1.02	
			<i>For Galvanized Steel, Add</i>	3.53	
			<i>For 304 Stainless Steel, Add</i>	16.22	
			<i>For High Strength Steel (HSS), Add</i>	2.55	
05 12 23 00-0449			1/4" Thick (05 12 23 00-0423)		
05 12 23 00-0450	LF		1" x 1" x 1/4" Thick, Plain Steel Angle Iron.....	6.61	3.26
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500 To 1,000, Deduct</i>	-0.77	
			<i>For >1,000, Deduct</i>	-1.04	
			<i>For 316 Stainless Steel, Add</i>	7.23	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.40	
			<i>For 304 Stainless Steel, Add</i>	6.44	
			<i>For High Strength Steel (HSS), Add</i>	1.32	
05 12 23 00-0451	LF		1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.59	3.50
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.15	
			<i>For 316 Stainless Steel, Add</i>	9.34	
			<i>For Aluminum, Add</i>	0.53	
			<i>For Galvanized Steel, Add</i>	1.81	
			<i>For 304 Stainless Steel, Add</i>	8.32	
			<i>For High Strength Steel (HSS), Add</i>	1.52	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0452 LF 1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.58	3.50
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.15	
For 316 Stainless Steel, Add	9.31	
For Aluminum, Add	0.52	
For Galvanized Steel, Add	1.80	
For 304 Stainless Steel, Add	8.29	
For High Strength Steel (HSS), Add	1.52	
05 12 23 00-0453 LF 1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.55	3.75
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-0.93	
For >1,000, Deduct	-1.27	
For 316 Stainless Steel, Add	11.36	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.20	
For 304 Stainless Steel, Add	10.12	
For High Strength Steel (HSS), Add	1.71	
05 12 23 00-0454 LF 1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.43	3.87
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.35	
For 316 Stainless Steel, Add	13.63	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	12.14	
For High Strength Steel (HSS), Add	1.89	
05 12 23 00-0455 LF 2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.34	3.63
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.22	
For 316 Stainless Steel, Add	11.46	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.22	
For 304 Stainless Steel, Add	10.20	
For High Strength Steel (HSS), Add	1.67	
05 12 23 00-0456 LF 2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.41	3.87
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.35	
For 316 Stainless Steel, Add	13.57	
For Aluminum, Add	0.76	
For Galvanized Steel, Add	2.63	
For 304 Stainless Steel, Add	12.08	
For High Strength Steel (HSS), Add	1.88	
05 12 23 00-0457 LF 2" x 2" x 1/4" Thick, Plain Steel Angle Iron	10.22	4.00
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.04	
For >1,000, Deduct	-1.43	
For 316 Stainless Steel, Add	15.65	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	13.94	
For High Strength Steel (HSS), Add	2.04	
05 12 23 00-0458 LF 2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.46	4.43
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.16	
For >1,000, Deduct	-1.60	
For 316 Stainless Steel, Add	17.79	
For Aluminum, Add	1.00	
For Galvanized Steel, Add	3.45	
For 304 Stainless Steel, Add	15.85	
For High Strength Steel (HSS), Add	2.29	
05 12 23 00-0459 LF 2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.76	4.85
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.81	
For >500 To 1,000, Deduct	-1.29	
For >1,000, Deduct	-1.77	
For 316 Stainless Steel, Add	20.10	
For Aluminum, Add	1.13	
For Galvanized Steel, Add	3.89	
For 304 Stainless Steel, Add	17.90	
For High Strength Steel (HSS), Add	2.55	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0460	LF		3" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	12.76	4.85
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.29	
			<i>For >1,000, Deduct</i>	-1.77	
			<i>For 316 Stainless Steel, Add</i>	20.10	
			<i>For Aluminum, Add</i>	1.13	
			<i>For Galvanized Steel, Add</i>	3.89	
			<i>For 304 Stainless Steel, Add</i>	17.90	
			<i>For High Strength Steel (HSS), Add</i>	2.55	
05 12 23 00-0461	LF		3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	14.09	5.39
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500 To 1,000, Deduct</i>	-1.42	
			<i>For >1,000, Deduct</i>	-1.95	
			<i>For 316 Stainless Steel, Add</i>	22.11	
			<i>For Aluminum, Add</i>	1.24	
			<i>For Galvanized Steel, Add</i>	4.28	
			<i>For 304 Stainless Steel, Add</i>	19.69	
			<i>For High Strength Steel (HSS), Add</i>	2.82	
05 12 23 00-0462	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	15.40	5.92
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.14	
			<i>For 316 Stainless Steel, Add</i>	24.00	
			<i>For Aluminum, Add</i>	1.35	
			<i>For Galvanized Steel, Add</i>	4.65	
			<i>For 304 Stainless Steel, Add</i>	21.38	
			<i>For High Strength Steel (HSS), Add</i>	3.08	
05 12 23 00-0463	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.76	6.37
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.69	
			<i>For >1,000, Deduct</i>	-2.32	
			<i>For 316 Stainless Steel, Add</i>	26.46	
			<i>For Aluminum, Add</i>	1.49	
			<i>For Galvanized Steel, Add</i>	5.13	
			<i>For 304 Stainless Steel, Add</i>	23.57	
			<i>For High Strength Steel (HSS), Add</i>	3.35	
05 12 23 00-0464	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.76	0.66
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500 To 1,000, Deduct</i>	-1.77	
			<i>For >1,000, Deduct</i>	-2.44	
			<i>For 316 Stainless Steel, Add</i>	28.48	
			<i>For Aluminum, Add</i>	1.60	
			<i>For Galvanized Steel, Add</i>	5.52	
			<i>For 304 Stainless Steel, Add</i>	25.37	
			<i>For High Strength Steel (HSS), Add</i>	3.55	
05 12 23 00-0465	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.76	6.65
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500 To 1,000, Deduct</i>	-1.77	
			<i>For >1,000, Deduct</i>	-2.44	
			<i>For 316 Stainless Steel, Add</i>	28.48	
			<i>For Aluminum, Add</i>	1.60	
			<i>For Galvanized Steel, Add</i>	5.52	
			<i>For 304 Stainless Steel, Add</i>	25.37	
			<i>For High Strength Steel (HSS), Add</i>	3.55	
05 12 23 00-0466	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	18.73	6.93
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500 To 1,000, Deduct</i>	-1.86	
			<i>For >1,000, Deduct</i>	-2.56	
			<i>For 316 Stainless Steel, Add</i>	30.37	
			<i>For Aluminum, Add</i>	1.71	
			<i>For Galvanized Steel, Add</i>	5.88	
			<i>For 304 Stainless Steel, Add</i>	27.05	
			<i>For High Strength Steel (HSS), Add</i>	3.75	
05 12 23 00-0467	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	19.76	7.22
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.22	
			<i>For >500 To 1,000, Deduct</i>	-1.95	
			<i>For >1,000, Deduct</i>	-2.69	
			<i>For 316 Stainless Steel, Add</i>	32.42	
			<i>For Aluminum, Add</i>	1.82	
			<i>For Galvanized Steel, Add</i>	6.28	
			<i>For 304 Stainless Steel, Add</i>	28.87	
			<i>For High Strength Steel (HSS), Add</i>	3.95	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0468 LF 5" x 3" x 1/4" Thick, Plain Steel Angle Iron	19.76	7.22
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-1.95	
For >1,000, Deduct	-2.69	
For 316 Stainless Steel, Add	32.42	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.28	
For 304 Stainless Steel, Add	28.87	
For High Strength Steel (HSS), Add	3.95	
05 12 23 00-0469 LF 5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	20.87	7.61
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.28	
For >500 To 1,000, Deduct	-2.06	
For >1,000, Deduct	-2.83	
For 316 Stainless Steel, Add	34.30	
For Aluminum, Add	1.93	
For Galvanized Steel, Add	6.65	
For 304 Stainless Steel, Add	30.55	
For High Strength Steel (HSS), Add	4.17	
05 12 23 00-0470 5/16" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0471 LF 2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.77	5.15
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.89	
For 316 Stainless Steel, Add	22.11	
For Aluminum, Add	1.24	
For Galvanized Steel, Add	4.28	
For 304 Stainless Steel, Add	19.69	
For High Strength Steel (HSS), Add	2.75	
05 12 23 00-0472 LF 2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.94	5.46
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.03	
For 316 Stainless Steel, Add	24.54	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.76	
For 304 Stainless Steel, Add	21.86	
For High Strength Steel (HSS), Add	2.99	
05 12 23 00-0473 LF 3" x 2" x 5/16" Thick, Plain Steel Angle Iron	14.94	5.46
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.03	
For 316 Stainless Steel, Add	24.54	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.76	
For 304 Stainless Steel, Add	21.86	
For High Strength Steel (HSS), Add	2.99	
05 12 23 00-0474 LF 3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.58	5.98
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.01	
For >500 To 1,000, Deduct	-1.63	
For >1,000, Deduct	-2.24	
For 316 Stainless Steel, Add	27.52	
For Aluminum, Add	1.55	
For Galvanized Steel, Add	5.33	
For 304 Stainless Steel, Add	24.51	
For High Strength Steel (HSS), Add	3.32	
05 12 23 00-0475 LF 3" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.03	6.51
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.77	
For >1,000, Deduct	-2.44	
For 316 Stainless Steel, Add	29.95	
For Aluminum, Add	1.68	
For Galvanized Steel, Add	5.80	
For 304 Stainless Steel, Add	26.68	
For High Strength Steel (HSS), Add	3.61	
05 12 23 00-0476 LF 3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.24	6.84
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.58	
For 316 Stainless Steel, Add	32.42	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.28	
For 304 Stainless Steel, Add	28.87	
For High Strength Steel (HSS), Add	3.85	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0477	LF		3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.58	7.17
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000, Deduct</i>	-2.74	
			<i>For 316 Stainless Steel, Add</i>	35.26	
			<i>For Aluminum, Add</i>	1.98	
			<i>For Galvanized Steel, Add</i>	6.83	
			<i>For 304 Stainless Steel, Add</i>	31.41	
			<i>For High Strength Steel (HSS), Add</i>	4.12	
05 12 23 00-0478	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	20.58	7.17
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000, Deduct</i>	-2.74	
			<i>For 316 Stainless Steel, Add</i>	35.26	
			<i>For Aluminum, Add</i>	1.98	
			<i>For Galvanized Steel, Add</i>	6.83	
			<i>For 304 Stainless Steel, Add</i>	31.41	
			<i>For High Strength Steel (HSS), Add</i>	4.12	
05 12 23 00-0479	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	21.90	7.58
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500 To 1,000, Deduct</i>	-2.11	
			<i>For >1,000, Deduct</i>	-2.91	
			<i>For 316 Stainless Steel, Add</i>	37.73	
			<i>For Aluminum, Add</i>	2.12	
			<i>For Galvanized Steel, Add</i>	7.31	
			<i>For 304 Stainless Steel, Add</i>	33.60	
			<i>For High Strength Steel (HSS), Add</i>	4.38	
05 12 23 00-0480	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron.....	23.15	7.92
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500 To 1,000, Deduct</i>	-2.21	
			<i>For >1,000, Deduct</i>	-3.06	
			<i>For 316 Stainless Steel, Add</i>	40.29	
			<i>For Aluminum, Add</i>	2.27	
			<i>For Galvanized Steel, Add</i>	7.81	
			<i>For 304 Stainless Steel, Add</i>	35.88	
			<i>For High Strength Steel (HSS), Add</i>	4.63	
05 12 23 00-0481	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	23.15	7.92
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500 To 1,000, Deduct</i>	-2.21	
			<i>For >1,000, Deduct</i>	-3.06	
			<i>For 316 Stainless Steel, Add</i>	40.29	
			<i>For Aluminum, Add</i>	2.27	
			<i>For Galvanized Steel, Add</i>	7.81	
			<i>For 304 Stainless Steel, Add</i>	35.88	
			<i>For High Strength Steel (HSS), Add</i>	4.63	
05 12 23 00-0482	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	24.32	8.25
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500 To 1,000, Deduct</i>	-2.32	
			<i>For >1,000, Deduct</i>	-3.20	
			<i>For 316 Stainless Steel, Add</i>	42.62	
			<i>For Aluminum, Add</i>	2.40	
			<i>For Galvanized Steel, Add</i>	8.26	
			<i>For 304 Stainless Steel, Add</i>	37.96	
			<i>For High Strength Steel (HSS), Add</i>	4.86	
05 12 23 00-0483	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	27.27	8.60
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.54	
			<i>For >500 To 1,000, Deduct</i>	-2.51	
			<i>For >1,000, Deduct</i>	-3.48	
			<i>For 316 Stainless Steel, Add</i>	50.59	
			<i>For Aluminum, Add</i>	2.85	
			<i>For Galvanized Steel, Add</i>	9.80	
			<i>For 304 Stainless Steel, Add</i>	45.06	
			<i>For High Strength Steel (HSS), Add</i>	5.45	
05 12 23 00-0484	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	26.95	8.95
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.52	
			<i>For 316 Stainless Steel, Add</i>	48.00	
			<i>For Aluminum, Add</i>	2.70	
			<i>For Galvanized Steel, Add</i>	9.30	
			<i>For 304 Stainless Steel, Add</i>	42.75	
			<i>For High Strength Steel (HSS), Add</i>	5.39	

05 12 23 00-0485 3/8" Thick (05 12 23 00-0423)



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0486 LF 3" x 2" x 3/8" Thick, Plain Steel Angle Iron	16.64	5.71
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.99	
For >500 To 1,000, Deduct	-1.59	
For >1,000, Deduct	-2.20	
For 316 Stainless Steel, Add	28.90	
For Aluminum, Add	1.63	
For Galvanized Steel, Add	5.60	
For 304 Stainless Steel, Add	25.74	
For High Strength Steel (HSS), Add	3.33	
05 12 23 00-0487 LF 3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	18.38	6.18
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.41	
For 316 Stainless Steel, Add	32.42	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.28	
For 304 Stainless Steel, Add	28.87	
For High Strength Steel (HSS), Add	3.68	
05 12 23 00-0488 LF 3" x 3" x 3/8" Thick, Plain Steel Angle Iron	19.90	6.67
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.88	
For >1,000, Deduct	-2.60	
For 316 Stainless Steel, Add	35.26	
For Aluminum, Add	1.98	
For Galvanized Steel, Add	6.83	
For 304 Stainless Steel, Add	31.41	
For High Strength Steel (HSS), Add	3.98	
05 12 23 00-0489 LF 3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	21.26	6.85
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.74	
For 316 Stainless Steel, Add	38.82	
For Aluminum, Add	2.18	
For Galvanized Steel, Add	7.52	
For 304 Stainless Steel, Add	34.57	
For High Strength Steel (HSS), Add	4.25	
05 12 23 00-0490 LF 3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	22.64	7.22
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.29	
For >500 To 1,000, Deduct	-2.10	
For >1,000, Deduct	-2.90	
For 316 Stainless Steel, Add	41.63	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.07	
For 304 Stainless Steel, Add	37.08	
For High Strength Steel (HSS), Add	4.53	
05 12 23 00-0491 LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron	22.64	7.22
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.29	
For >500 To 1,000, Deduct	-2.10	
For >1,000, Deduct	-2.90	
For 316 Stainless Steel, Add	41.63	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.07	
For 304 Stainless Steel, Add	37.08	
For High Strength Steel (HSS), Add	4.53	
05 12 23 00-0492 LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	24.42	7.87
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.40	
For >500 To 1,000, Deduct	-2.27	
For >1,000, Deduct	-3.14	
For 316 Stainless Steel, Add	44.58	
For Aluminum, Add	2.51	
For Galvanized Steel, Add	8.64	
For 304 Stainless Steel, Add	39.70	
For High Strength Steel (HSS), Add	4.88	
05 12 23 00-0493 LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron	25.80	8.10
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.46	
For >500 To 1,000, Deduct	-2.37	
For >1,000, Deduct	-3.29	
For 316 Stainless Steel, Add	48.00	
For Aluminum, Add	2.70	
For Galvanized Steel, Add	9.30	
For 304 Stainless Steel, Add	42.75	
For High Strength Steel (HSS), Add	5.16	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0494	LF		5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	26.22	8.42
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500 To 1,000, Deduct</i>	-2.43	
			<i>For >1,000, Deduct</i>	-3.37	
			<i>For 316 Stainless Steel, Add</i>	48.00	
			<i>For Aluminum, Add</i>	2.70	
			<i>For Galvanized Steel, Add</i>	9.30	
			<i>For 304 Stainless Steel, Add</i>	42.75	
			<i>For High Strength Steel (HSS), Add</i>	5.24	
05 12 23 00-0495	LF		5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	28.02	9.07
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.61	
			<i>For >1,000, Deduct</i>	-3.61	
			<i>For 316 Stainless Steel, Add</i>	50.94	
			<i>For Aluminum, Add</i>	2.87	
			<i>For Galvanized Steel, Add</i>	9.87	
			<i>For 304 Stainless Steel, Add</i>	45.37	
			<i>For High Strength Steel (HSS), Add</i>	5.60	
05 12 23 00-0496	LF		5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	32.97	10.58
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500 To 1,000, Deduct</i>	-3.06	
			<i>For >1,000, Deduct</i>	-4.23	
			<i>For 316 Stainless Steel, Add</i>	60.42	
			<i>For Aluminum, Add</i>	3.40	
			<i>For Galvanized Steel, Add</i>	11.71	
			<i>For 304 Stainless Steel, Add</i>	53.81	
			<i>For High Strength Steel (HSS), Add</i>	6.59	
05 12 23 00-0497	LF		6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	31.01	9.83
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500 To 1,000, Deduct</i>	-2.86	
			<i>For >1,000, Deduct</i>	-3.96	
			<i>For 316 Stainless Steel, Add</i>	57.31	
			<i>For Aluminum, Add</i>	3.22	
			<i>For Galvanized Steel, Add</i>	11.10	
			<i>For 304 Stainless Steel, Add</i>	51.04	
			<i>For High Strength Steel (HSS), Add</i>	6.20	
05 12 23 00-0498	LF		6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	32.97	10.58
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500 To 1,000, Deduct</i>	-3.06	
			<i>For >1,000, Deduct</i>	-4.23	
			<i>For 316 Stainless Steel, Add</i>	60.42	
			<i>For Aluminum, Add</i>	3.40	
			<i>For Galvanized Steel, Add</i>	11.71	
			<i>For 304 Stainless Steel, Add</i>	53.81	
			<i>For High Strength Steel (HSS), Add</i>	6.59	
05 12 23 00-0499	LF		6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	39.78	12.69
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500 To 1,000, Deduct</i>	-3.68	
			<i>For >1,000, Deduct</i>	-5.10	
			<i>For 316 Stainless Steel, Add</i>	73.18	
			<i>For Aluminum, Add</i>	4.12	
			<i>For Galvanized Steel, Add</i>	14.18	
			<i>For 304 Stainless Steel, Add</i>	65.18	
			<i>For High Strength Steel (HSS), Add</i>	7.96	
05 12 23 00-0500	LF		7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	36.38	11.63
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500 To 1,000, Deduct</i>	-3.37	
			<i>For >1,000, Deduct</i>	-4.67	
			<i>For 316 Stainless Steel, Add</i>	66.78	
			<i>For Aluminum, Add</i>	3.76	
			<i>For Galvanized Steel, Add</i>	12.94	
			<i>For 304 Stainless Steel, Add</i>	59.48	
			<i>For High Strength Steel (HSS), Add</i>	7.28	
05 12 23 00-0501			1/2" Thick (05 12 23 00-0423)		
05 12 23 00-0502	LF		3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	23.50	6.81
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500 To 1,000, Deduct</i>	-2.08	
			<i>For >1,000, Deduct</i>	-2.90	
			<i>For 316 Stainless Steel, Add</i>	46.18	
			<i>For Aluminum, Add</i>	2.60	
			<i>For Galvanized Steel, Add</i>	8.95	
			<i>For 304 Stainless Steel, Add</i>	41.13	
			<i>For High Strength Steel (HSS), Add</i>	4.70	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0503 LF 4" x 3" x 1/2" Thick, Plain Steel Angle Iron	27.76	8.04
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.50	
For >500 To 1,000, Deduct	-2.46	
For >1,000, Deduct	-3.42	
For 316 Stainless Steel, Add	54.53	
For Aluminum, Add	3.07	
For Galvanized Steel, Add	10.56	
For 304 Stainless Steel, Add	48.56	
For High Strength Steel (HSS), Add	5.55	
05 12 23 00-0504 LF 4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	29.76	8.62
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.61	
For >500 To 1,000, Deduct	-2.64	
For >1,000, Deduct	-3.67	
For 316 Stainless Steel, Add	58.46	
For Aluminum, Add	3.29	
For Galvanized Steel, Add	11.33	
For 304 Stainless Steel, Add	52.07	
For High Strength Steel (HSS), Add	5.95	
05 12 23 00-0505 LF 4" x 4" x 1/2" Thick, Plain Steel Angle Iron	32.01	9.27
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.73	
For >500 To 1,000, Deduct	-2.84	
For >1,000, Deduct	-3.95	
For 316 Stainless Steel, Add	62.88	
For Aluminum, Add	3.54	
For Galvanized Steel, Add	12.18	
For 304 Stainless Steel, Add	56.00	
For High Strength Steel (HSS), Add	6.40	
05 12 23 00-0506 LF 5" x 3" x 1/2" Thick, Plain Steel Angle Iron	32.01	9.27
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.73	
For >500 To 1,000, Deduct	-2.84	
For >1,000, Deduct	-3.95	
For 316 Stainless Steel, Add	62.88	
For Aluminum, Add	3.54	
For Galvanized Steel, Add	12.18	
For 304 Stainless Steel, Add	56.00	
For High Strength Steel (HSS), Add	6.40	
05 12 23 00-0507 LF 5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	34.01	9.85
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.84	
For >500 To 1,000, Deduct	-3.01	
For >1,000, Deduct	-4.19	
For 316 Stainless Steel, Add	66.82	
For Aluminum, Add	3.76	
For Galvanized Steel, Add	12.95	
For 304 Stainless Steel, Add	59.51	
For High Strength Steel (HSS), Add	6.80	
05 12 23 00-0508 LF 5" x 5" x 1/2" Thick, Plain Steel Angle Iron	40.51	11.73
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.59	
For >1,000, Deduct	-4.99	
For 316 Stainless Steel, Add	79.58	
For Aluminum, Add	4.48	
For Galvanized Steel, Add	15.42	
For 304 Stainless Steel, Add	70.88	
For High Strength Steel (HSS), Add	8.10	
05 12 23 00-0509 LF 6" x 4" x 1/2" Thick, Plain Steel Angle Iron	40.51	11.73
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.59	
For >1,000, Deduct	-4.99	
For 316 Stainless Steel, Add	79.58	
For Aluminum, Add	4.48	
For Galvanized Steel, Add	15.42	
For 304 Stainless Steel, Add	70.88	
For High Strength Steel (HSS), Add	8.10	
05 12 23 00-0510 LF 6" x 6" x 1/2" Thick, Plain Steel Angle Iron	49.01	14.19
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-2.65	
For >500 To 1,000, Deduct	-4.34	
For >1,000, Deduct	-6.04	
For 316 Stainless Steel, Add	96.26	
For Aluminum, Add	5.41	
For Galvanized Steel, Add	18.65	
For 304 Stainless Steel, Add	85.73	
For High Strength Steel (HSS), Add	9.80	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0511	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	44.75	12.96
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500 To 1,000, Deduct</i>	-3.97	
			<i>For >1,000, Deduct</i>	-5.52	
			<i>For 316 Stainless Steel, Add</i>	87.90	
			<i>For Aluminum, Add</i>	4.94	
			<i>For Galvanized Steel, Add</i>	17.03	
			<i>For 304 Stainless Steel, Add</i>	78.29	
			<i>For High Strength Steel (HSS), Add</i>	8.95	
05 12 23 00-0512	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	49.01	14.19
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500 To 1,000, Deduct</i>	-4.34	
			<i>For >1,000, Deduct</i>	-6.04	
			<i>For 316 Stainless Steel, Add</i>	96.26	
			<i>For Aluminum, Add</i>	5.41	
			<i>For Galvanized Steel, Add</i>	18.65	
			<i>For 304 Stainless Steel, Add</i>	85.73	
			<i>For High Strength Steel (HSS), Add</i>	9.80	
05 12 23 00-0513	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	57.52	16.66
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500 To 1,000, Deduct</i>	-5.10	
			<i>For >1,000, Deduct</i>	-7.09	
			<i>For 316 Stainless Steel, Add</i>	112.99	
			<i>For Aluminum, Add</i>	6.36	
			<i>For Galvanized Steel, Add</i>	21.89	
			<i>For 304 Stainless Steel, Add</i>	100.63	
			<i>For High Strength Steel (HSS), Add</i>	11.50	
05 12 23 00-0514	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	66.00	19.12
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-3.56	
			<i>For >500 To 1,000, Deduct</i>	-5.85	
			<i>For >1,000, Deduct</i>	-8.14	
			<i>For 316 Stainless Steel, Add</i>	129.63	
			<i>For Aluminum, Add</i>	7.29	
			<i>For Galvanized Steel, Add</i>	25.12	
			<i>For 304 Stainless Steel, Add</i>	115.45	
			<i>For High Strength Steel (HSS), Add</i>	13.20	
05 12 23 00-0515			5/8" Thick (05 12 23 00-0423)		
05 12 23 00-0516	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	38.27	10.63
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500 To 1,000, Deduct</i>	-3.33	
			<i>For >1,000, Deduct</i>	-4.64	
			<i>For 316 Stainless Steel, Add</i>	77.12	
			<i>For Aluminum, Add</i>	4.34	
			<i>For Galvanized Steel, Add</i>	14.94	
			<i>For High Strength Steel (HSS), Add</i>	7.65	
05 12 23 00-0517	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	40.95	11.37
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500 To 1,000, Deduct</i>	-3.56	
			<i>For >1,000, Deduct</i>	-4.97	
			<i>For 316 Stainless Steel, Add</i>	82.53	
			<i>For Aluminum, Add</i>	4.64	
			<i>For Galvanized Steel, Add</i>	15.99	
			<i>For High Strength Steel (HSS), Add</i>	8.19	
05 12 23 00-0518	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	48.74	13.54
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-2.57	
			<i>For >500 To 1,000, Deduct</i>	-4.24	
			<i>For >1,000, Deduct</i>	-5.91	
			<i>For 316 Stainless Steel, Add</i>	98.21	
			<i>For Aluminum, Add</i>	5.52	
			<i>For Galvanized Steel, Add</i>	19.03	
			<i>For High Strength Steel (HSS), Add</i>	9.75	
05 12 23 00-0519	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	48.74	13.54
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-2.57	
			<i>For >500 To 1,000, Deduct</i>	-4.24	
			<i>For >1,000, Deduct</i>	-5.91	
			<i>For 316 Stainless Steel, Add</i>	98.21	
			<i>For Aluminum, Add</i>	5.52	
			<i>For Galvanized Steel, Add</i>	19.03	
			<i>For High Strength Steel (HSS), Add</i>	9.75	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0520 LF 6" x 6" x 5/8" Thick, Plain Steel Angle Iron	58.99	16.38
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-3.11	
For >500 To 1,000, Deduct	-5.13	
For >1,000, Deduct	-7.15	
For 316 Stainless Steel, Add	118.88	
For Aluminum, Add	6.69	
For Galvanized Steel, Add	23.03	
For High Strength Steel (HSS), Add	11.80	
05 12 23 00-0521 LF 7" x 4" x 5/8" Thick, Plain Steel Angle Iron	53.86	14.96
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.84	
For >500 To 1,000, Deduct	-4.69	
For >1,000, Deduct	-6.53	
For 316 Stainless Steel, Add	108.54	
For Aluminum, Add	6.11	
For Galvanized Steel, Add	21.03	
For High Strength Steel (HSS), Add	10.77	
05 12 23 00-0522 LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron	69.46	19.29
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-3.67	
For >500 To 1,000, Deduct	-6.05	
For >1,000, Deduct	-8.42	
For 316 Stainless Steel, Add	139.97	
For Aluminum, Add	7.87	
For Galvanized Steel, Add	27.12	
For High Strength Steel (HSS), Add	13.89	
05 12 23 00-0523 LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron	79.71	22.13
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-4.21	
For >500 To 1,000, Deduct	-6.94	
For >1,000, Deduct	-9.67	
For 316 Stainless Steel, Add	160.64	
For Aluminum, Add	9.04	
For Galvanized Steel, Add	31.12	
For High Strength Steel (HSS), Add	15.94	
05 12 23 00-0524 3/4" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0525 LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron	44.07	11.74
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-2.28	
For >500 To 1,000, Deduct	-3.77	
For >1,000, Deduct	-5.26	
For 316 Stainless Steel, Add	90.91	
For Aluminum, Add	5.11	
For Galvanized Steel, Add	17.61	
For High Strength Steel (HSS), Add	8.81	
05 12 23 00-0526 LF 5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	47.14	12.57
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.03	
For >1,000, Deduct	-5.63	
For 316 Stainless Steel, Add	97.25	
For Aluminum, Add	5.47	
For Galvanized Steel, Add	18.84	
For High Strength Steel (HSS), Add	9.43	
05 12 23 00-0527 LF 5" x 5" x 3/4" Thick, Plain Steel Angle Iron	56.19	14.98
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.90	
For >500 To 1,000, Deduct	-4.81	
For >1,000, Deduct	-6.71	
For 316 Stainless Steel, Add	115.94	
For Aluminum, Add	6.52	
For Galvanized Steel, Add	22.46	
For High Strength Steel (HSS), Add	11.24	
05 12 23 00-0528 LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron	56.19	14.98
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.90	
For >500 To 1,000, Deduct	-4.81	
For >1,000, Deduct	-6.71	
For 316 Stainless Steel, Add	115.94	
For Aluminum, Add	6.52	
For Galvanized Steel, Add	22.46	
For High Strength Steel (HSS), Add	11.24	
05 12 23 00-0529 LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron	68.33	18.21
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.53	
For >500 To 1,000, Deduct	-5.84	
For >1,000, Deduct	-8.16	
For 316 Stainless Steel, Add	140.96	
For Aluminum, Add	7.93	
For Galvanized Steel, Add	27.31	
For High Strength Steel (HSS), Add	13.67	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0530	LF		7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	62.38	16.63
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-3.22	
			<i>For >500 To 1,000, Deduct</i>	-5.34	
			<i>For >1,000, Deduct</i>	-7.45	
			<i>For 316 Stainless Steel, Add</i>	128.67	
			<i>For Aluminum, Add</i>	7.24	
			<i>For Galvanized Steel, Add</i>	24.93	
			<i>For High Strength Steel (HSS), Add</i>	12.48	
05 12 23 00-0531	LF		8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	68.33	18.21
			<i>For >100 To 250, Deduct</i>	-1.82	
			<i>For >250 To 500, Deduct</i>	-3.53	
			<i>For >500 To 1,000, Deduct</i>	-5.84	
			<i>For >1,000, Deduct</i>	-8.16	
			<i>For 316 Stainless Steel, Add</i>	140.96	
			<i>For Aluminum, Add</i>	7.93	
			<i>For Galvanized Steel, Add</i>	27.31	
			<i>For High Strength Steel (HSS), Add</i>	13.67	
05 12 23 00-0532	LF		8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	80.48	21.44
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-4.16	
			<i>For >500 To 1,000, Deduct</i>	-6.88	
			<i>For >1,000, Deduct</i>	-9.61	
			<i>For 316 Stainless Steel, Add</i>	166.05	
			<i>For Aluminum, Add</i>	9.34	
			<i>For Galvanized Steel, Add</i>	32.17	
			<i>For High Strength Steel (HSS), Add</i>	16.10	
05 12 23 00-0533	LF		8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	92.62	24.69
			<i>For >100 To 250, Deduct</i>	-2.47	
			<i>For >250 To 500, Deduct</i>	-4.78	
			<i>For >500 To 1,000, Deduct</i>	-7.92	
			<i>For >1,000, Deduct</i>	-11.06	
			<i>For 316 Stainless Steel, Add</i>	191.07	
			<i>For Aluminum, Add</i>	10.75	
			<i>For Galvanized Steel, Add</i>	37.02	
			<i>For High Strength Steel (HSS), Add</i>	18.52	
05 12 23 00-0534			7/8" Thick (05 12 23 00-0423)		
05 12 23 00-0535	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	63.22	16.11
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-3.19	
			<i>For >500 To 1,000, Deduct</i>	-5.31	
			<i>For >1,000, Deduct</i>	-7.43	
			<i>For 316 Stainless Steel, Add</i>	133.57	
			<i>For Aluminum, Add</i>	7.51	
			<i>For Galvanized Steel, Add</i>	25.88	
			<i>For High Strength Steel (HSS), Add</i>	12.64	
05 12 23 00-0536	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	63.22	16.11
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-3.19	
			<i>For >500 To 1,000, Deduct</i>	-5.31	
			<i>For >1,000, Deduct</i>	-7.43	
			<i>For 316 Stainless Steel, Add</i>	133.57	
			<i>For Aluminum, Add</i>	7.51	
			<i>For Galvanized Steel, Add</i>	25.88	
			<i>For High Strength Steel (HSS), Add</i>	12.64	
05 12 23 00-0537	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	76.95	19.61
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-3.88	
			<i>For >500 To 1,000, Deduct</i>	-6.46	
			<i>For >1,000, Deduct</i>	-9.04	
			<i>For 316 Stainless Steel, Add</i>	162.59	
			<i>For Aluminum, Add</i>	9.15	
			<i>For Galvanized Steel, Add</i>	31.50	
			<i>For High Strength Steel (HSS), Add</i>	15.39	
05 12 23 00-0538	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	90.89	23.16
			<i>For >100 To 250, Deduct</i>	-2.32	
			<i>For >250 To 500, Deduct</i>	-4.59	
			<i>For >500 To 1,000, Deduct</i>	-7.63	
			<i>For >1,000, Deduct</i>	-10.68	
			<i>For 316 Stainless Steel, Add</i>	192.06	
			<i>For Aluminum, Add</i>	10.80	
			<i>For Galvanized Steel, Add</i>	37.21	
			<i>For High Strength Steel (HSS), Add</i>	18.18	
05 12 23 00-0539	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	104.59	26.66
			<i>For >100 To 250, Deduct</i>	-2.66	
			<i>For >250 To 500, Deduct</i>	-5.28	
			<i>For >500 To 1,000, Deduct</i>	-8.78	
			<i>For >1,000, Deduct</i>	-12.29	
			<i>For 316 Stainless Steel, Add</i>	220.99	
			<i>For Aluminum, Add</i>	12.43	
			<i>For Galvanized Steel, Add</i>	42.82	
			<i>For High Strength Steel (HSS), Add</i>	20.92	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0540 Bar Channel <small>(05 12 23 00-0422)</small>		
05 12 23 00-0541 LF 1" x 1/2" x 1/8" Thick Bar Channel.....	5.23	
For 316 Stainless Steel, Add	5.34	
For Aluminum, Add	0.30	
For Galvanized Steel, Add	1.04	
For 304 Stainless Steel, Add	4.76	
For High Strength Steel (HSS), Add	1.05	
05 12 23 00-0542 LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.87	
For 316 Stainless Steel, Add	6.40	
For Aluminum, Add	0.36	
For Galvanized Steel, Add	1.24	
For 304 Stainless Steel, Add	5.70	
For High Strength Steel (HSS), Add	1.17	
05 12 23 00-0543 LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.40	
For 316 Stainless Steel, Add	7.07	
For Aluminum, Add	0.40	
For Galvanized Steel, Add	1.37	
For 304 Stainless Steel, Add	6.30	
For High Strength Steel (HSS), Add	1.28	
05 12 23 00-0544 LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.32	
For 316 Stainless Steel, Add	7.39	
For Aluminum, Add	0.42	
For Galvanized Steel, Add	1.43	
For 304 Stainless Steel, Add	6.58	
For High Strength Steel (HSS), Add	1.46	
05 12 23 00-0545 LF 2" x 1/2" x 1/8" Thick Bar Channel.....	7.84	
For 316 Stainless Steel, Add	9.06	
For Aluminum, Add	0.51	
For Galvanized Steel, Add	1.75	
For 304 Stainless Steel, Add	8.07	
05 12 23 00-0546 LF 2" x 1" x 1/8" Thick Bar Channel.....	10.31	
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	9.01	
05 12 23 00-0547 Channels - C <small>(05 12 23 00-0422)</small>		
05 12 23 00-0548 LF C2 x 1.78 - 2" Wide Channel	8.56	4.41
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.02	
For >1,000, Deduct	-1.38	
For 316 Stainless Steel, Add	8.58	
For Aluminum, Add	0.48	
For Galvanized Steel, Add	1.66	
For 304 Stainless Steel, Add	7.64	
05 12 23 00-0549 LF C3 x 4.1 - 3" Wide Channel	14.75	6.34
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.58	
For >1,000, Deduct	-2.16	
For 316 Stainless Steel, Add	20.13	
For Aluminum, Add	1.13	
For Galvanized Steel, Add	3.90	
For 304 Stainless Steel, Add	17.93	
05 12 23 00-0550 LF C3 x 5 - 3" Wide Channel	17.99	7.74
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.64	
For 316 Stainless Steel, Add	24.54	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.76	
For 304 Stainless Steel, Add	21.86	
05 12 23 00-0551 LF C3 x 6 - 3" Wide Channel	21.60	9.29
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.47	
For >500 To 1,000, Deduct	-2.32	
For >1,000, Deduct	-3.17	
For 316 Stainless Steel, Add	29.47	
For Aluminum, Add	1.66	
For Galvanized Steel, Add	5.71	
For 304 Stainless Steel, Add	26.25	
05 12 23 00-0552 LF C4 x 5.4 - 4" Wide Channel	18.44	7.61
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-1.94	
For >1,000, Deduct	-2.65	
For 316 Stainless Steel, Add	26.53	
For Aluminum, Add	1.49	
For Galvanized Steel, Add	5.14	
For 304 Stainless Steel, Add	23.63	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0553	LF		C4 x 7.25 - 4" Wide Channel.....	24.76	10.22
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-3.56	
			<i>For 316 Stainless Steel, Add</i>	35.62	
			<i>For Aluminum, Add</i>	2.00	
			<i>For Galvanized Steel, Add</i>	6.90	
			<i>For 304 Stainless Steel, Add</i>	31.72	
05 12 23 00-0554	LF		C5 x 6.7 - 5" Wide Channel.....	22.12	8.87
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.44	
			<i>For >500 To 1,000, Deduct</i>	-2.29	
			<i>For >1,000, Deduct</i>	-3.14	
			<i>For 316 Stainless Steel, Add</i>	32.90	
			<i>For Aluminum, Add</i>	1.85	
			<i>For Galvanized Steel, Add</i>	6.37	
			<i>For 304 Stainless Steel, Add</i>	29.30	
05 12 23 00-0555	LF		C5 x 9 - 5" Wide Channel.....	29.71	11.94
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500 To 1,000, Deduct</i>	-3.08	
			<i>For >1,000, Deduct</i>	-4.22	
			<i>For 316 Stainless Steel, Add</i>	44.19	
			<i>For Aluminum, Add</i>	2.49	
			<i>For Galvanized Steel, Add</i>	8.56	
			<i>For 304 Stainless Steel, Add</i>	39.36	
05 12 23 00-0556	LF		C6 x 8.2 - 6" Wide Channel.....	26.79	10.66
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500 To 1,000, Deduct</i>	-2.76	
			<i>For >1,000, Deduct</i>	-3.79	
			<i>For 316 Stainless Steel, Add</i>	40.26	
			<i>For Aluminum, Add</i>	2.26	
			<i>For Galvanized Steel, Add</i>	7.80	
			<i>For 304 Stainless Steel, Add</i>	35.85	
05 12 23 00-0557	LF		C6 x 10.5 - 6" Wide Channel.....	34.31	13.65
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-2.22	
			<i>For >500 To 1,000, Deduct</i>	-3.54	
			<i>For >1,000, Deduct</i>	-4.85	
			<i>For 316 Stainless Steel, Add</i>	51.55	
			<i>For Aluminum, Add</i>	2.90	
			<i>For Galvanized Steel, Add</i>	9.99	
			<i>For 304 Stainless Steel, Add</i>	45.91	
05 12 23 00-0558	LF		C6 x 13 - 6" Wide Channel.....	42.49	16.90
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.75	
			<i>For >500 To 1,000, Deduct</i>	-4.38	
			<i>For >1,000, Deduct</i>	-6.00	
			<i>For 316 Stainless Steel, Add</i>	63.84	
			<i>For Aluminum, Add</i>	3.59	
			<i>For Galvanized Steel, Add</i>	12.37	
			<i>For 304 Stainless Steel, Add</i>	56.86	
05 12 23 00-0559	LF		C7 x 9.8 - 7" Wide Channel.....	31.96	12.69
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500 To 1,000, Deduct</i>	-3.29	
			<i>For >1,000, Deduct</i>	-4.51	
			<i>For 316 Stainless Steel, Add</i>	48.13	
			<i>For Aluminum, Add</i>	2.71	
			<i>For Galvanized Steel, Add</i>	9.32	
			<i>For 304 Stainless Steel, Add</i>	42.86	
05 12 23 00-0560	LF		C7 x 12.25 - 7" Wide Channel.....	39.95	15.86
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-2.59	
			<i>For >500 To 1,000, Deduct</i>	-4.11	
			<i>For >1,000, Deduct</i>	-5.64	
			<i>For 316 Stainless Steel, Add</i>	60.16	
			<i>For Aluminum, Add</i>	3.38	
			<i>For Galvanized Steel, Add</i>	11.66	
			<i>For 304 Stainless Steel, Add</i>	53.58	
05 12 23 00-0561	LF		C7 x 14.75 - 7" Wide Channel.....	48.11	19.10
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-3.11	
			<i>For >500 To 1,000, Deduct</i>	-4.95	
			<i>For >1,000, Deduct</i>	-6.79	
			<i>For 316 Stainless Steel, Add</i>	72.45	
			<i>For Aluminum, Add</i>	4.08	
			<i>For Galvanized Steel, Add</i>	14.04	
			<i>For 304 Stainless Steel, Add</i>	64.52	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0562 LF C8 x 11.5 - 8" Wide Channel	36.26	13.96
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-2.30	
For >500 To 1,000, Deduct	-3.67	
For >1,000, Deduct	-5.05	
For 316 Stainless Steel, Add	56.48	
For Aluminum, Add	3.18	
For Galvanized Steel, Add	10.94	
For 304 Stainless Steel, Add	50.30	
05 12 23 00-0563 LF C8 x 13.75 - 8" Wide Channel	43.36	16.70
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.75	
For >500 To 1,000, Deduct	-4.39	
For >1,000, Deduct	-6.03	
For 316 Stainless Steel, Add	67.52	
For Aluminum, Add	3.80	
For Galvanized Steel, Add	13.08	
For 304 Stainless Steel, Add	60.14	
05 12 23 00-0564 LF C8 x 18.75 - 8" Wide Channel	59.12	22.76
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.75	
For >500 To 1,000, Deduct	-5.99	
For >1,000, Deduct	-8.23	
For 316 Stainless Steel, Add	92.06	
For Aluminum, Add	5.18	
For Galvanized Steel, Add	17.84	
For 304 Stainless Steel, Add	81.99	
05 12 23 00-0565 LF C9 x 13.4 - 9" Wide Channel	42.25	16.27
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.68	
For >500 To 1,000, Deduct	-4.28	
For >1,000, Deduct	-5.88	
For 316 Stainless Steel, Add	65.79	
For Aluminum, Add	3.70	
For Galvanized Steel, Add	12.75	
For 304 Stainless Steel, Add	58.60	
05 12 23 00-0566 LF C9 x 15 - 9" Wide Channel	47.29	18.21
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.00	
For >500 To 1,000, Deduct	-4.79	
For >1,000, Deduct	-6.58	
For 316 Stainless Steel, Add	73.66	
For Aluminum, Add	4.14	
For Galvanized Steel, Add	14.27	
For 304 Stainless Steel, Add	65.61	
05 12 23 00-0567 LF C9 x 20 - 9" Wide Channel	63.06	24.27
For >100 To 250, Deduct	-2.43	
For >250 To 500, Deduct	-4.00	
For >500 To 1,000, Deduct	-6.39	
For >1,000, Deduct	-8.78	
For 316 Stainless Steel, Add	98.21	
For Aluminum, Add	5.52	
For Galvanized Steel, Add	19.03	
For 304 Stainless Steel, Add	87.47	
05 12 23 00-0568 LF C10 x 15.3 - 10" Wide Channel	48.24	18.57
For >100 To 250, Deduct	-1.86	
For >250 To 500, Deduct	-3.06	
For >500 To 1,000, Deduct	-4.89	
For >1,000, Deduct	-6.71	
For 316 Stainless Steel, Add	75.14	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.56	
For 304 Stainless Steel, Add	66.92	
05 12 23 00-0569 LF C10 x 20 - 10" Wide Channel	63.06	24.27
For >100 To 250, Deduct	-2.43	
For >250 To 500, Deduct	-4.00	
For >500 To 1,000, Deduct	-6.39	
For >1,000, Deduct	-8.78	
For 316 Stainless Steel, Add	98.21	
For Aluminum, Add	5.52	
For Galvanized Steel, Add	19.03	
For 304 Stainless Steel, Add	87.47	
05 12 23 00-0570 LF C10 x 25 - 10" Wide Channel	78.84	30.35
For >100 To 250, Deduct	-3.04	
For >250 To 500, Deduct	-5.01	
For >500 To 1,000, Deduct	-7.99	
For >1,000, Deduct	-10.97	
For 316 Stainless Steel, Add	122.78	
For Aluminum, Add	6.91	
For Galvanized Steel, Add	23.79	
For 304 Stainless Steel, Add	109.35	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0571 LF C10 x 30 - 10" Wide Channel.....	94.60	36.41
For >100 To 250, Deduct	-3.64	
For >250 To 500, Deduct	-6.01	
For >500 To 1,000, Deduct	-9.59	
For >1,000, Deduct	-13.17	
For 316 Stainless Steel, Add	147.33	
For Aluminum, Add	8.29	
For Galvanized Steel, Add	28.54	
For 304 Stainless Steel, Add	131.21	
05 12 23 00-0572 LF C12 x 20.7 - 12" Wide Channel.....	65.27	25.13
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-4.14	
For >500 To 1,000, Deduct	-6.61	
For >1,000, Deduct	-9.08	
For 316 Stainless Steel, Add	101.66	
For Aluminum, Add	5.72	
For Galvanized Steel, Add	19.70	
For 304 Stainless Steel, Add	90.54	
05 12 23 00-0573 LF C12 x 25 - 12" Wide Channel.....	78.84	30.35
For >100 To 250, Deduct	-3.04	
For >250 To 500, Deduct	-5.01	
For >500 To 1,000, Deduct	-7.99	
For >1,000, Deduct	-10.97	
For 316 Stainless Steel, Add	122.78	
For Aluminum, Add	6.91	
For Galvanized Steel, Add	23.79	
For 304 Stainless Steel, Add	109.35	
05 12 23 00-0574 LF C12 x 30 - 12" Wide Channel.....	94.60	36.41
For >100 To 250, Deduct	-3.64	
For >250 To 500, Deduct	-6.01	
For >500 To 1,000, Deduct	-9.59	
For >1,000, Deduct	-13.17	
For 316 Stainless Steel, Add	147.33	
For Aluminum, Add	8.29	
For Galvanized Steel, Add	28.54	
For 304 Stainless Steel, Add	131.21	
05 12 23 00-0575 LF C15 x 33.9 - 15" Wide Channel.....	106.89	41.15
For >100 To 250, Deduct	-4.12	
For >250 To 500, Deduct	-6.79	
For >500 To 1,000, Deduct	-10.83	
For >1,000, Deduct	-14.88	
For 316 Stainless Steel, Add	166.46	
For Aluminum, Add	9.36	
For Galvanized Steel, Add	32.25	
For 304 Stainless Steel, Add	148.26	
05 12 23 00-0576 LF C15 x 40 - 15" Wide Channel.....	126.13	48.56
For >100 To 250, Deduct	-4.86	
For >250 To 500, Deduct	-8.01	
For >500 To 1,000, Deduct	-12.78	
For >1,000, Deduct	-17.55	
For 316 Stainless Steel, Add	196.45	
For Aluminum, Add	11.05	
For Galvanized Steel, Add	38.06	
For 304 Stainless Steel, Add	174.96	
05 12 23 00-0577 LF C15 x 50 - 15" Wide Channel.....	157.66	60.69
For >100 To 250, Deduct	-6.07	
For >250 To 500, Deduct	-10.01	
For >500 To 1,000, Deduct	-15.98	
For >1,000, Deduct	-21.94	
For 316 Stainless Steel, Add	245.54	
For Aluminum, Add	13.81	
For Galvanized Steel, Add	47.57	
For 304 Stainless Steel, Add	218.68	
05 12 23 00-0578 Miscellaneous Channels - MC (05 12 23 00-0422)		
05 12 23 00-0579 LF MC6 x 12 - 6" Wide Channel.....	39.22	15.60
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.54	
For >500 To 1,000, Deduct	-4.04	
For >1,000, Deduct	-5.54	
For 316 Stainless Steel, Add	58.94	
For Aluminum, Add	3.32	
For Galvanized Steel, Add	11.42	
For 304 Stainless Steel, Add	52.50	
05 12 23 00-0580 LF MC6 x 15.1 - 6" Wide Channel.....	49.34	19.63
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-3.20	
For >500 To 1,000, Deduct	-5.08	
For >1,000, Deduct	-6.97	
For 316 Stainless Steel, Add	74.14	
For Aluminum, Add	4.17	
For Galvanized Steel, Add	14.37	
For 304 Stainless Steel, Add	66.03	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0581 LF MC6 x 15.3 - 6" Wide Channel	50.00	19.89
For >100 To 250, Deduct	-1.99	
For >250 To 500, Deduct	-3.24	
For >500 To 1,000, Deduct	-5.15	
For >1,000, Deduct	-7.07	
For 316 Stainless Steel, Add	75.14	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.56	
For 304 Stainless Steel, Add	66.92	
05 12 23 00-0582 LF MC6 x 16.3 - 6" Wide Channel	53.27	21.18
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-3.45	
For >500 To 1,000, Deduct	-5.49	
For >1,000, Deduct	-7.53	
For 316 Stainless Steel, Add	80.03	
For Aluminum, Add	4.50	
For Galvanized Steel, Add	15.51	
For 304 Stainless Steel, Add	71.28	
05 12 23 00-0583 LF MC6 x 18 - 6" Wide Channel	58.82	23.40
For >100 To 250, Deduct	-2.94	
For >250 To 500, Deduct	-3.81	
For >500 To 1,000, Deduct	-6.06	
For >1,000, Deduct	-8.31	
For 316 Stainless Steel, Add	88.38	
For Aluminum, Add	4.97	
For Galvanized Steel, Add	17.12	
For 304 Stainless Steel, Add	78.72	
05 12 23 00-0584 LF MC7 x 17.6 - 7" Wide Channel	57.40	22.80
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.71	
For >500 To 1,000, Deduct	-5.91	
For >1,000, Deduct	-8.10	
For 316 Stainless Steel, Add	86.43	
For Aluminum, Add	4.86	
For Galvanized Steel, Add	16.75	
For 304 Stainless Steel, Add	76.98	
05 12 23 00-0585 LF MC7 x 19.1 - 7" Wide Channel	62.30	24.74
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-4.03	
For >500 To 1,000, Deduct	-6.41	
For >1,000, Deduct	-8.80	
For 316 Stainless Steel, Add	93.79	
For Aluminum, Add	5.28	
For Galvanized Steel, Add	18.17	
For 304 Stainless Steel, Add	83.53	
05 12 23 00-0586 LF MC7 x 22.7 - 7" Wide Channel	74.04	29.40
For >100 To 250, Deduct	-2.94	
For >250 To 500, Deduct	-4.79	
For >500 To 1,000, Deduct	-7.62	
For >1,000, Deduct	-10.45	
For 316 Stainless Steel, Add	111.49	
For Aluminum, Add	6.27	
For Galvanized Steel, Add	21.60	
For 304 Stainless Steel, Add	99.29	
05 12 23 00-0587 LF MC8 x 8.5 - 8" Wide Channel	26.80	10.32
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.70	
For >500 To 1,000, Deduct	-2.72	
For >1,000, Deduct	-3.73	
For 316 Stainless Steel, Add	41.73	
For Aluminum, Add	2.35	
For Galvanized Steel, Add	8.08	
For 304 Stainless Steel, Add	37.16	
05 12 23 00-0588 LF MC8 x 18.7 - 8" Wide Channel	58.97	22.69
For >100 To 250, Deduct	-2.27	
For >250 To 500, Deduct	-3.74	
For >500 To 1,000, Deduct	-5.98	
For >1,000, Deduct	-8.21	
For 316 Stainless Steel, Add	91.84	
For Aluminum, Add	5.17	
For Galvanized Steel, Add	17.79	
For 304 Stainless Steel, Add	81.80	
05 12 23 00-0589 LF MC8 x 20 - 8" Wide Channel	63.06	24.27
For >100 To 250, Deduct	-2.43	
For >250 To 500, Deduct	-4.00	
For >500 To 1,000, Deduct	-6.39	
For >1,000, Deduct	-8.78	
For 316 Stainless Steel, Add	98.21	
For Aluminum, Add	5.52	
For Galvanized Steel, Add	19.03	
For 304 Stainless Steel, Add	87.47	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0590	LF		MC8 x 21.4 - 8" Wide Channel.....	67.49	25.98
			For >100 To 250, Deduct	-2.60	
			For >250 To 500, Deduct	-4.29	
			For >500 To 1,000, Deduct	-6.84	
			For >1,000, Deduct	-9.39	
			For 316 Stainless Steel, Add	105.09	
			For Aluminum, Add	5.91	
			For Galvanized Steel, Add	20.36	
			For 304 Stainless Steel, Add	93.59	
05 12 23 00-0591	LF		MC8 x 22.8 - 8" Wide Channel.....	71.89	27.69
			For >100 To 250, Deduct	-2.77	
			For >250 To 500, Deduct	-4.56	
			For >500 To 1,000, Deduct	-7.28	
			For >1,000, Deduct	-10.00	
			For 316 Stainless Steel, Add	111.97	
			For Aluminum, Add	6.30	
			For Galvanized Steel, Add	21.69	
			For 304 Stainless Steel, Add	99.72	
05 12 23 00-0592	LF		MC9 x 23.9 - 9" Wide Channel.....	75.37	29.02
			For >100 To 250, Deduct	-2.90	
			For >250 To 500, Deduct	-4.79	
			For >500 To 1,000, Deduct	-7.64	
			For >1,000, Deduct	-10.49	
			For 316 Stainless Steel, Add	117.38	
			For Aluminum, Add	6.60	
			For Galvanized Steel, Add	22.74	
			For 304 Stainless Steel, Add	104.54	
05 12 23 00-0593	LF		MC9 x 25.4 - 9" Wide Channel.....	80.08	30.83
			For >100 To 250, Deduct	-3.08	
			For >250 To 500, Deduct	-5.08	
			For >500 To 1,000, Deduct	-8.11	
			For >1,000, Deduct	-11.14	
			For 316 Stainless Steel, Add	124.74	
			For Aluminum, Add	7.02	
			For Galvanized Steel, Add	24.17	
			For 304 Stainless Steel, Add	111.09	
05 12 23 00-0594	LF		MC10 x 6.5 - 10" Wide Channel.....	20.51	7.89
			For >100 To 250, Deduct	-0.79	
			For >250 To 500, Deduct	-1.30	
			For >500 To 1,000, Deduct	-2.08	
			For >1,000, Deduct	-2.85	
			For 316 Stainless Steel, Add	31.94	
			For Aluminum, Add	1.80	
			For Galvanized Steel, Add	6.19	
			For 304 Stainless Steel, Add	28.44	
05 12 23 00-0595	LF		MC10 x 8.4 - 10" Wide Channel.....	26.49	10.19
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.68	
			For >500 To 1,000, Deduct	-2.68	
			For >1,000, Deduct	-3.69	
			For 316 Stainless Steel, Add	41.25	
			For Aluminum, Add	2.32	
			For Galvanized Steel, Add	7.99	
			For 304 Stainless Steel, Add	36.74	
05 12 23 00-0596	LF		MC10 x 21.9 - 10" Wide Channel.....	69.05	26.59
			For >100 To 250, Deduct	-2.66	
			For >250 To 500, Deduct	-4.38	
			For >500 To 1,000, Deduct	-7.00	
			For >1,000, Deduct	-9.61	
			For 316 Stainless Steel, Add	107.55	
			For Aluminum, Add	6.05	
			For Galvanized Steel, Add	20.84	
			For 304 Stainless Steel, Add	95.79	
05 12 23 00-0597	LF		MC10 x 24.9 - 10" Wide Channel.....	78.52	30.24
			For >100 To 250, Deduct	-3.02	
			For >250 To 500, Deduct	-4.99	
			For >500 To 1,000, Deduct	-7.96	
			For >1,000, Deduct	-10.93	
			For 316 Stainless Steel, Add	122.27	
			For Aluminum, Add	6.88	
			For Galvanized Steel, Add	23.69	
			For 304 Stainless Steel, Add	108.90	
05 12 23 00-0598	LF		MC10 x 25.3 - 10" Wide Channel.....	79.78	30.72
			For >100 To 250, Deduct	-3.07	
			For >250 To 500, Deduct	-5.07	
			For >500 To 1,000, Deduct	-8.08	
			For >1,000, Deduct	-11.10	
			For 316 Stainless Steel, Add	124.26	
			For Aluminum, Add	6.99	
			For Galvanized Steel, Add	24.07	
			For 304 Stainless Steel, Add	110.67	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0599	LF		MC10 x 28.3 - 10" Wide Channel	89.24	34.35
			<i>For >100 To 250, Deduct</i>	-3.44	
			<i>For >250 To 500, Deduct</i>	-5.67	
			<i>For >500 To 1,000, Deduct</i>	-9.04	
			<i>For >1,000, Deduct</i>	-12.42	
			<i>For 316 Stainless Steel, Add</i>	138.98	
			<i>For Aluminum, Add</i>	7.82	
			<i>For Galvanized Steel, Add</i>	26.93	
			<i>For 304 Stainless Steel, Add</i>	123.78	
05 12 23 00-0600	LF		MC10 x 28.5 - 10" Wide Channel	89.87	34.60
			<i>For >100 To 250, Deduct</i>	-3.46	
			<i>For >250 To 500, Deduct</i>	-5.71	
			<i>For >500 To 1,000, Deduct</i>	-9.11	
			<i>For >1,000, Deduct</i>	-12.51	
			<i>For 316 Stainless Steel, Add</i>	139.97	
			<i>For Aluminum, Add</i>	7.87	
			<i>For Galvanized Steel, Add</i>	27.12	
			<i>For 304 Stainless Steel, Add</i>	124.66	
05 12 23 00-0601	LF		MC10 x 33.6 - 10" Wide Channel	105.95	40.79
			<i>For >100 To 250, Deduct</i>	-4.08	
			<i>For >250 To 500, Deduct</i>	-6.73	
			<i>For >500 To 1,000, Deduct</i>	-10.74	
			<i>For >1,000, Deduct</i>	-14.75	
			<i>For 316 Stainless Steel, Add</i>	164.99	
			<i>For Aluminum, Add</i>	9.28	
			<i>For Galvanized Steel, Add</i>	31.97	
			<i>For 304 Stainless Steel, Add</i>	146.95	
05 12 23 00-0602	LF		MC10 x 41.1 - 10" Wide Channel	129.59	49.90
			<i>For >100 To 250, Deduct</i>	-4.99	
			<i>For >250 To 500, Deduct</i>	-8.23	
			<i>For >500 To 1,000, Deduct</i>	-13.13	
			<i>For >1,000, Deduct</i>	-18.03	
			<i>For 316 Stainless Steel, Add</i>	201.82	
			<i>For Aluminum, Add</i>	11.35	
			<i>For Galvanized Steel, Add</i>	39.10	
			<i>For 304 Stainless Steel, Add</i>	179.75	
05 12 23 00-0603	LF		MC12 x 30.9 - 12" Wide Channel	97.44	37.51
			<i>For >100 To 250, Deduct</i>	-3.75	
			<i>For >250 To 500, Deduct</i>	-6.19	
			<i>For >500 To 1,000, Deduct</i>	-9.87	
			<i>For >1,000, Deduct</i>	-13.56	
			<i>For 316 Stainless Steel, Add</i>	151.74	
			<i>For Aluminum, Add</i>	8.54	
			<i>For Galvanized Steel, Add</i>	29.40	
			<i>For 304 Stainless Steel, Add</i>	135.15	
05 12 23 00-0604	LF		MC12 x 32.9 - 12" Wide Channel	103.75	39.93
			<i>For >100 To 250, Deduct</i>	-3.99	
			<i>For >250 To 500, Deduct</i>	-6.59	
			<i>For >500 To 1,000, Deduct</i>	-10.51	
			<i>For >1,000, Deduct</i>	-14.44	
			<i>For 316 Stainless Steel, Add</i>	161.57	
			<i>For Aluminum, Add</i>	9.09	
			<i>For Galvanized Steel, Add</i>	31.30	
			<i>For 304 Stainless Steel, Add</i>	143.90	
05 12 23 00-0605	LF		MC12 x 35 - 12" Wide Channel	110.36	42.48
			<i>For >100 To 250, Deduct</i>	-4.25	
			<i>For >250 To 500, Deduct</i>	-7.01	
			<i>For >500 To 1,000, Deduct</i>	-11.18	
			<i>For >1,000, Deduct</i>	-15.36	
			<i>For 316 Stainless Steel, Add</i>	171.87	
			<i>For Aluminum, Add</i>	9.67	
			<i>For Galvanized Steel, Add</i>	33.30	
			<i>For 304 Stainless Steel, Add</i>	153.07	
05 12 23 00-0606	LF		MC12 x 37 - 12" Wide Channel	116.67	44.92
			<i>For >100 To 250, Deduct</i>	-4.49	
			<i>For >250 To 500, Deduct</i>	-7.41	
			<i>For >500 To 1,000, Deduct</i>	-11.82	
			<i>For >1,000, Deduct</i>	-16.24	
			<i>For 316 Stainless Steel, Add</i>	181.70	
			<i>For Aluminum, Add</i>	10.22	
			<i>For Galvanized Steel, Add</i>	35.20	
			<i>For 304 Stainless Steel, Add</i>	161.82	
05 12 23 00-0607	LF		MC12 x 40 - 12" Wide Channel	126.13	48.56
			<i>For >100 To 250, Deduct</i>	-4.86	
			<i>For >250 To 500, Deduct</i>	-8.01	
			<i>For >500 To 1,000, Deduct</i>	-12.78	
			<i>For >1,000, Deduct</i>	-17.55	
			<i>For 316 Stainless Steel, Add</i>	196.45	
			<i>For Aluminum, Add</i>	11.05	
			<i>For Galvanized Steel, Add</i>	38.06	
			<i>For 304 Stainless Steel, Add</i>	174.96	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0608	LF		MC12 x 45 - 12" Wide Channel.....	141.90	54.63
			<i>For >100 To 250, Deduct</i>	-5.46	
			<i>For >250 To 500, Deduct</i>	-9.01	
			<i>For >500 To 1,000, Deduct</i>	-14.38	
			<i>For >1,000, Deduct</i>	-19.75	
			<i>For 316 Stainless Steel, Add</i>	220.99	
			<i>For Aluminum, Add</i>	12.43	
			<i>For Galvanized Steel, Add</i>	42.82	
			<i>For 304 Stainless Steel, Add</i>	196.82	
05 12 23 00-0609	LF		MC12 x 50 - 12" Wide Channel.....	157.66	60.70
			<i>For >100 To 250, Deduct</i>	-6.07	
			<i>For >250 To 500, Deduct</i>	-10.01	
			<i>For >500 To 1,000, Deduct</i>	-15.98	
			<i>For >1,000, Deduct</i>	-21.94	
			<i>For 316 Stainless Steel, Add</i>	245.54	
			<i>For Aluminum, Add</i>	13.81	
			<i>For Galvanized Steel, Add</i>	47.57	
			<i>For 304 Stainless Steel, Add</i>	218.68	
05 12 23 00-0610	LF		MC13 x 31.8 - 13" Wide Channel.....	100.28	38.61
			<i>For >100 To 250, Deduct</i>	-3.86	
			<i>For >250 To 500, Deduct</i>	-6.37	
			<i>For >500 To 1,000, Deduct</i>	-10.16	
			<i>For >1,000, Deduct</i>	-13.96	
			<i>For 316 Stainless Steel, Add</i>	156.16	
			<i>For Aluminum, Add</i>	8.78	
			<i>For Galvanized Steel, Add</i>	30.26	
			<i>For 304 Stainless Steel, Add</i>	139.08	
05 12 23 00-0611	LF		MC13 x 35 - 13" Wide Channel.....	110.36	42.48
			<i>For >100 To 250, Deduct</i>	-4.25	
			<i>For >250 To 500, Deduct</i>	-7.01	
			<i>For >500 To 1,000, Deduct</i>	-11.18	
			<i>For >1,000, Deduct</i>	-15.36	
			<i>For 316 Stainless Steel, Add</i>	171.87	
			<i>For Aluminum, Add</i>	9.67	
			<i>For Galvanized Steel, Add</i>	33.30	
			<i>For 304 Stainless Steel, Add</i>	153.07	
05 12 23 00-0612	LF		MC13 x 40 - 13" Wide Channel.....	126.13	48.56
			<i>For >100 To 250, Deduct</i>	-4.86	
			<i>For >250 To 500, Deduct</i>	-8.01	
			<i>For >500 To 1,000, Deduct</i>	-12.78	
			<i>For >1,000, Deduct</i>	-17.55	
			<i>For 316 Stainless Steel, Add</i>	196.45	
			<i>For Aluminum, Add</i>	11.05	
			<i>For Galvanized Steel, Add</i>	38.06	
			<i>For 304 Stainless Steel, Add</i>	174.96	
05 12 23 00-0613	LF		MC13 x 50 - 13" Wide Channel.....	157.66	60.70
			<i>For >100 To 250, Deduct</i>	-6.07	
			<i>For >250 To 500, Deduct</i>	-10.01	
			<i>For >500 To 1,000, Deduct</i>	-15.98	
			<i>For >1,000, Deduct</i>	-21.94	
			<i>For 316 Stainless Steel, Add</i>	245.54	
			<i>For Aluminum, Add</i>	13.81	
			<i>For Galvanized Steel, Add</i>	47.57	
			<i>For 304 Stainless Steel, Add</i>	218.68	
05 12 23 00-0614	LF		MC18 x 42.7 - 18" Wide Channel.....	134.64	51.83
			<i>For >100 To 250, Deduct</i>	-5.18	
			<i>For >250 To 500, Deduct</i>	-8.55	
			<i>For >500 To 1,000, Deduct</i>	-13.64	
			<i>For >1,000, Deduct</i>	-18.74	
			<i>For 316 Stainless Steel, Add</i>	209.70	
			<i>For Aluminum, Add</i>	11.80	
			<i>For Galvanized Steel, Add</i>	40.63	
			<i>For 304 Stainless Steel, Add</i>	186.76	
05 12 23 00-0615	LF		MC18 x 45.8 - 18" Wide Channel.....	144.42	55.61
			<i>For >100 To 250, Deduct</i>	-5.56	
			<i>For >250 To 500, Deduct</i>	-9.17	
			<i>For >500 To 1,000, Deduct</i>	-14.63	
			<i>For >1,000, Deduct</i>	-20.10	
			<i>For 316 Stainless Steel, Add</i>	224.93	
			<i>For Aluminum, Add</i>	12.65	
			<i>For Galvanized Steel, Add</i>	43.58	
			<i>For 304 Stainless Steel, Add</i>	200.33	
05 12 23 00-0616	LF		MC18 x 51.9 - 18" Wide Channel.....	163.66	63.00
			<i>For >100 To 250, Deduct</i>	-6.30	
			<i>For >250 To 500, Deduct</i>	-10.39	
			<i>For >500 To 1,000, Deduct</i>	-16.58	
			<i>For >1,000, Deduct</i>	-22.78	
			<i>For 316 Stainless Steel, Add</i>	254.88	
			<i>For Aluminum, Add</i>	14.34	
			<i>For Galvanized Steel, Add</i>	49.38	
			<i>For 304 Stainless Steel, Add</i>	227.00	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0617 LF MC18 x 58 - 18" Wide Channel	182.89	70.40
For >100 To 250, Deduct	-7.04	
For >250 To 500, Deduct	-11.61	
For >500 To 1,000, Deduct	-18.53	
For >1,000, Deduct	-25.45	
For 316 Stainless Steel, Add	284.83	
For Aluminum, Add	16.02	
For Galvanized Steel, Add	55.19	
For 304 Stainless Steel, Add	253.68	
05 12 23 00-0618 Structural Bar Tees (05 12 23 00-0422)		
05 12 23 00-0619 LF 3/4" x 3/4" x 1/8" Structural Bar Tee	5.55	3.23
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.71	
For >1,000, Deduct	-0.96	
For 316 Stainless Steel, Add	3.97	
For Aluminum, Add	0.22	
For Galvanized Steel, Add	0.77	
For 304 Stainless Steel, Add	3.53	
05 12 23 00-0620 LF 1" x 1" x 1/8" Structural Bar Tee	6.78	3.81
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.14	
For 316 Stainless Steel, Add	5.44	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.05	
For 304 Stainless Steel, Add	4.85	
05 12 23 00-0621 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.73	4.40
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.12	
For >1,000, Deduct	-1.54	
For 316 Stainless Steel, Add	15.58	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.02	
For 304 Stainless Steel, Add	13.88	
05 12 23 00-0622 LF 2" x 2" x 1/4" Structural Bar Tee	14.91	5.75
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.08	
For 316 Stainless Steel, Add	23.20	
For Aluminum, Add	1.31	
For Galvanized Steel, Add	4.50	
For 304 Stainless Steel, Add	20.66	
05 12 23 00-0623 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	22.27	6.94
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.25	
For >500 To 1,000, Deduct	-2.04	
For >1,000, Deduct	-2.83	
For 316 Stainless Steel, Add	41.63	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.07	
For 304 Stainless Steel, Add	37.08	
05 12 23 00-0624 LF 3" x 3" x 3/8" Structural Bar Tee	27.46	8.88
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.57	
For >500 To 1,000, Deduct	-2.56	
For >1,000, Deduct	-3.54	
For 316 Stainless Steel, Add	49.98	
For Aluminum, Add	2.81	
For Galvanized Steel, Add	9.68	
For 304 Stainless Steel, Add	44.52	
05 12 23 00-0625 Structural Zees (05 12 23 00-0422)		
05 12 23 00-0626 LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	13.11	4.40
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.24	
For >1,000, Deduct	-1.72	
For 316 Stainless Steel, Add	23.20	
For Aluminum, Add	1.31	
For Galvanized Steel, Add	4.50	
For 304 Stainless Steel, Add	20.66	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0627	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	24.35	5.25
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-1.13	
			For >500 To 1,000, Deduct	-1.92	
			For >1,000, Deduct	-2.70	
			For 316 Stainless Steel, Add	55.55	
			For Aluminum, Add	3.12	
			For Galvanized Steel, Add	10.76	
			For 304 Stainless Steel, Add	49.48	
05 12 23 00-0628	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	29.15	5.92
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.32	
			For >500 To 1,000, Deduct	-2.25	
			For >1,000, Deduct	-3.17	
			For 316 Stainless Steel, Add	68.00	
			For Aluminum, Add	3.83	
			For Galvanized Steel, Add	13.18	
			For 304 Stainless Steel, Add	60.56	
05 12 23 00-0629	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	39.08	6.77
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.65	
			For >500 To 1,000, Deduct	-2.86	
			For >1,000, Deduct	-4.06	
			For 316 Stainless Steel, Add	96.19	
			For Aluminum, Add	5.41	
			For Galvanized Steel, Add	18.64	
			For 304 Stainless Steel, Add	85.67	
05 12 23 00-0630	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	50.50	7.36
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-2.00	
			For >500 To 1,000, Deduct	-3.51	
			For >1,000, Deduct	-5.02	
			For 316 Stainless Steel, Add	130.18	
			For Aluminum, Add	7.32	
			For Galvanized Steel, Add	25.22	
			For 304 Stainless Steel, Add	115.94	
05 12 23 00-0631			Junior I-Beams (05 12 23 00-0422)		
05 12 23 00-0632	LF		3" Junior I-Beam, 2.9 LB/LF.....	18.02	6.35
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.09	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000, Deduct	-2.41	
			For 316 Stainless Steel, Add	30.59	
			For Aluminum, Add	1.72	
			For Galvanized Steel, Add	5.93	
			For 304 Stainless Steel, Add	27.25	
05 12 23 00-0633	LF		4" Junior I-Beam, 3.2 LB/LF.....	19.81	6.94
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.19	
			For >500 To 1,000, Deduct	-1.92	
			For >1,000, Deduct	-2.64	
			For 316 Stainless Steel, Add	33.76	
			For Aluminum, Add	1.90	
			For Galvanized Steel, Add	6.54	
			For 304 Stainless Steel, Add	30.07	
05 12 23 00-0634	LF		5" Junior I-Beam, 3.8 LB/LF.....	22.68	7.61
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.97	
			For 316 Stainless Steel, Add	40.10	
			For Aluminum, Add	2.26	
			For Galvanized Steel, Add	7.77	
			For 304 Stainless Steel, Add	35.71	
05 12 23 00-0635	LF		6" Junior I-Beam, 4.4 LB/LF.....	25.57	8.29
			For >100 To 250, Deduct	-0.83	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.38	
			For >1,000, Deduct	-3.30	
			For 316 Stainless Steel, Add	46.43	
			For Aluminum, Add	2.61	
			For Galvanized Steel, Add	9.00	
			For 304 Stainless Steel, Add	41.35	
05 12 23 00-0636	LF		7" Junior I-Beam, 5.5 LB/LF.....	29.98	8.88
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-2.68	
			For >1,000, Deduct	-3.73	
			For 316 Stainless Steel, Add	58.05	
			For Aluminum, Add	3.27	
			For Galvanized Steel, Add	11.25	
			For 304 Stainless Steel, Add	51.70	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0637 LF 8" Junior I-Beam, 6.5 LB/LF.....	34.07	9.48
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.80	
For >500 To 1,000, Deduct	-2.97	
For >1,000, Deduct	-4.13	
For 316 Stainless Steel, Add	68.61	
For Aluminum, Add	3.86	
For Galvanized Steel, Add	13.29	
For 304 Stainless Steel, Add	61.10	
05 12 23 00-0638 LF 10" Junior I-Beam, 9 LB/LF.....	44.12	10.83
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.65	
For >1,000, Deduct	-5.11	
For 316 Stainless Steel, Add	94.98	
For Aluminum, Add	5.34	
For Galvanized Steel, Add	18.40	
For 304 Stainless Steel, Add	84.59	
05 12 23 00-0639 LF 12" Junior I-Beam, 11.8 LB/LF.....	56.05	12.86
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-2.69	
For >500 To 1,000, Deduct	-4.52	
For >1,000, Deduct	-6.35	
For 316 Stainless Steel, Add	124.51	
For Aluminum, Add	7.00	
For Galvanized Steel, Add	24.12	
For 304 Stainless Steel, Add	110.89	
05 12 23 00-0640 Round Stock <small>(05 12 23 00-0422)</small>		
05 12 23 00-0641 LF 1/4" Carbon Steel Rounds, ASTM A108.....	2.53	
For 316 Stainless Steel, Add	4.48	
For Aluminum, Add	0.25	
For Galvanized Steel, Add	0.87	
For 304 Stainless Steel, Add	3.99	
05 12 23 00-0642 LF 3/8" Carbon Steel Rounds, ASTM A108.....	4.04	
For 316 Stainless Steel, Add	8.83	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.71	
For 304 Stainless Steel, Add	7.87	
05 12 23 00-0643 LF 1/2" Carbon Steel Rounds, ASTM A108.....	5.61	
For 316 Stainless Steel, Add	13.44	
For Aluminum, Add	0.76	
For Galvanized Steel, Add	2.60	
For 304 Stainless Steel, Add	11.97	
05 12 23 00-0644 LF 5/8" Carbon Steel Rounds, ASTM A108.....	8.57	
For 316 Stainless Steel, Add	22.40	
For Aluminum, Add	1.26	
For Galvanized Steel, Add	4.34	
For 304 Stainless Steel, Add	19.95	
05 12 23 00-0645 LF 3/4" Carbon Steel Rounds, ASTM A108.....	10.20	
For 316 Stainless Steel, Add	26.62	
For Aluminum, Add	1.50	
For Galvanized Steel, Add	5.16	
For 304 Stainless Steel, Add	23.71	
05 12 23 00-0646 LF 7/8" Carbon Steel Rounds, ASTM A108.....	11.89	
For 316 Stainless Steel, Add	31.10	
For Aluminum, Add	1.75	
For Galvanized Steel, Add	6.03	
For 304 Stainless Steel, Add	27.70	
05 12 23 00-0647 LF 1" Carbon Steel Rounds, ASTM A108.....	17.38	
For 316 Stainless Steel, Add	47.39	
For Aluminum, Add	2.67	
For Galvanized Steel, Add	9.18	
For 304 Stainless Steel, Add	42.21	
05 12 23 00-0648 LF 1-1/8" Carbon Steel Rounds, ASTM A108.....	21.12	
For 316 Stainless Steel, Add	57.57	
For Aluminum, Add	3.24	
For Galvanized Steel, Add	11.15	
For 304 Stainless Steel, Add	51.27	
05 12 23 00-0649 LF 1-1/4" Carbon Steel Rounds, ASTM A108.....	25.20	
For 316 Stainless Steel, Add	67.74	
For Aluminum, Add	3.81	
For Galvanized Steel, Add	13.13	
For 304 Stainless Steel, Add	60.33	
05 12 23 00-0650 LF 1-3/8" Carbon Steel Rounds, ASTM A108.....	30.54	
For 316 Stainless Steel, Add	82.69	
For Aluminum, Add	4.65	
For Galvanized Steel, Add	16.02	
For 304 Stainless Steel, Add	73.64	
05 12 23 00-0651 LF 1-1/2" Carbon Steel Rounds, ASTM A108.....	33.99	
For 316 Stainless Steel, Add	90.72	
For Aluminum, Add	5.10	
For Galvanized Steel, Add	17.58	
For 304 Stainless Steel, Add	80.80	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0652 LF 1-5/8" Carbon Steel Rounds, ASTM A108.....	39.17	
For 316 Stainless Steel, Add	102.78	
For Aluminum, Add	5.78	
For Galvanized Steel, Add	19.91	
For 304 Stainless Steel, Add	91.54	
05 12 23 00-0653 LF 1-3/4" Carbon Steel Rounds, ASTM A108.....	46.78	
For 316 Stainless Steel, Add	119.62	
For Aluminum, Add	6.73	
For Galvanized Steel, Add	23.18	
For 304 Stainless Steel, Add	106.53	
05 12 23 00-0654 LF 1-7/8" Carbon Steel Rounds, ASTM A108.....	56.20	
For 316 Stainless Steel, Add	140.13	
For Aluminum, Add	7.88	
For Galvanized Steel, Add	27.15	
For 304 Stainless Steel, Add	124.80	
05 12 23 00-0655 LF 2" Carbon Steel Rounds, ASTM A108.....	64.09	
For 316 Stainless Steel, Add	155.87	
For Aluminum, Add	8.77	
For Galvanized Steel, Add	30.20	
For 304 Stainless Steel, Add	138.82	
05 12 23 00-0656 LF 2-1/8" Carbon Steel Rounds, ASTM A108.....	74.74	
For 316 Stainless Steel, Add	178.02	
For Aluminum, Add	10.01	
For Galvanized Steel, Add	34.49	
For 304 Stainless Steel, Add	158.55	
05 12 23 00-0657 LF 2-1/4" Carbon Steel Rounds, ASTM A108.....	84.52	
For 316 Stainless Steel, Add	200.16	
For Aluminum, Add	11.26	
For Galvanized Steel, Add	38.78	
For 304 Stainless Steel, Add	178.27	
05 12 23 00-0658 LF 2-3/8" Carbon Steel Rounds, ASTM A108.....	96.80	
For 316 Stainless Steel, Add	228.93	
For Aluminum, Add	12.88	
For Galvanized Steel, Add	44.35	
For 304 Stainless Steel, Add	203.89	
05 12 23 00-0659 LF 2-1/2" Carbon Steel Rounds, ASTM A108.....	106.77	
For 316 Stainless Steel, Add	246.72	
For Aluminum, Add	13.88	
For Galvanized Steel, Add	47.80	
For 304 Stainless Steel, Add	219.74	
05 12 23 00-0660 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	130.90	
For 316 Stainless Steel, Add	313.41	
For Aluminum, Add	17.63	
For Galvanized Steel, Add	60.72	
For 304 Stainless Steel, Add	279.13	
05 12 23 00-0661 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	149.05	
For 316 Stainless Steel, Add	357.41	
For Aluminum, Add	20.10	
For Galvanized Steel, Add	69.25	
For 304 Stainless Steel, Add	318.32	
05 12 23 00-0662 LF 2-7/8" Carbon Steel Rounds, ASTM A108.....	166.22	
For 316 Stainless Steel, Add	398.27	
For Aluminum, Add	22.40	
For Galvanized Steel, Add	77.17	
For 304 Stainless Steel, Add	354.71	
05 12 23 00-0663 LF 3" Carbon Steel Rounds, ASTM A108.....	174.34	
For 316 Stainless Steel, Add	410.21	
For Aluminum, Add	23.07	
For Galvanized Steel, Add	79.48	
For 304 Stainless Steel, Add	365.34	
05 12 23 00-0664 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	181.59	
For 316 Stainless Steel, Add	419.33	
For Aluminum, Add	23.59	
For Galvanized Steel, Add	81.24	
For 304 Stainless Steel, Add	373.46	
05 12 23 00-0665 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	191.32	
For 316 Stainless Steel, Add	436.42	
For Aluminum, Add	24.55	
For Galvanized Steel, Add	84.56	
For 304 Stainless Steel, Add	388.68	
05 12 23 00-0666 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	233.49	
For 316 Stainless Steel, Add	553.76	
For Aluminum, Add	31.15	
For Galvanized Steel, Add	107.29	
For 304 Stainless Steel, Add	493.19	
05 12 23 00-0667 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	259.51	
For 316 Stainless Steel, Add	619.46	
For Aluminum, Add	34.84	
For Galvanized Steel, Add	120.02	
For 304 Stainless Steel, Add	551.70	
05 12 23 00-0668 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	278.50	
For 316 Stainless Steel, Add	662.66	
For Aluminum, Add	37.27	
For Galvanized Steel, Add	128.39	
For 304 Stainless Steel, Add	590.18	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0669 LF 4" Carbon Steel Rounds, ASTM A108.....	312.68	
For 316 Stainless Steel, Add	754.43	
For Aluminum, Add	42.44	
For Galvanized Steel, Add	146.17	
For 304 Stainless Steel, Add	671.92	
05 12 23 00-0670 Square Stock (05 12 23 00-0422)		
05 12 23 00-0671 LF 3/8" Square Bar Stock.....	2.01	
For 316 Stainless Steel, Add	2.34	
For Aluminum, Add	0.13	
For Galvanized Steel, Add	0.45	
For 304 Stainless Steel, Add	2.08	
05 12 23 00-0672 LF 1/2" Square Bar Stock.....	2.71	
For 316 Stainless Steel, Add	4.16	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.81	
For 304 Stainless Steel, Add	3.71	
05 12 23 00-0673 LF 5/8" Square Bar Stock.....	3.60	
For 316 Stainless Steel, Add	6.50	
For Aluminum, Add	0.37	
For Galvanized Steel, Add	1.26	
For 304 Stainless Steel, Add	5.79	
05 12 23 00-0674 LF 3/4" Square Bar Stock.....	4.80	
For 316 Stainless Steel, Add	9.34	
For Aluminum, Add	0.53	
For Galvanized Steel, Add	1.81	
For 304 Stainless Steel, Add	8.32	
05 12 23 00-0675 LF 7/8" Square Bar Stock.....	6.25	
For 316 Stainless Steel, Add	13.06	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.53	
For 304 Stainless Steel, Add	11.63	
05 12 23 00-0676 LF 1" Square Bar Stock.....	7.78	
For 316 Stainless Steel, Add	16.67	
For Aluminum, Add	0.94	
For Galvanized Steel, Add	3.23	
For 304 Stainless Steel, Add	14.85	
05 12 23 00-0677 LF 1-1/4" Square Bar Stock.....	12.16	
For 316 Stainless Steel, Add	26.02	
For Aluminum, Add	1.46	
For Galvanized Steel, Add	5.04	
For 304 Stainless Steel, Add	23.17	
05 12 23 00-0678 LF 1-1/2" Square Bar Stock.....	17.35	
For 316 Stainless Steel, Add	37.47	
For Aluminum, Add	2.11	
For Galvanized Steel, Add	7.26	
For 304 Stainless Steel, Add	33.37	
05 12 23 00-0679 LF 1-3/4" Square Bar Stock.....	25.68	
For 316 Stainless Steel, Add	52.10	
For Aluminum, Add	2.93	
For Galvanized Steel, Add	10.09	
For 304 Stainless Steel, Add	46.40	
05 12 23 00-0680 LF 2" Square Bar Stock.....	36.61	
For 316 Stainless Steel, Add	66.62	
For Aluminum, Add	3.75	
For Galvanized Steel, Add	12.91	
For 304 Stainless Steel, Add	59.34	
05 12 23 00-0681 Steel Tubing (05 12 23 00-0422)		
Note: General purpose low-carbon steel.		
05 12 23 00-0682 Square Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0683 0.06" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0684 LF 1/2" x 1/2" x 0.06" Square Steel Tubing.....	2.72	0.60
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.22	
For >1,000, Deduct	-0.31	
For 316 Stainless Steel, Add	6.11	
For Aluminum, Add	0.34	
For Galvanized Steel, Add	1.18	
For 304 Stainless Steel, Add	5.44	
05 12 23 00-0685 LF 3/4" x 3/4" x 0.06" Square Steel Tubing.....	4.18	0.96
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.47	
For 316 Stainless Steel, Add	9.31	
For Aluminum, Add	0.52	
For Galvanized Steel, Add	1.80	
For 304 Stainless Steel, Add	8.29	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0686 LF 1" x 1" x 0.06" Square Steel Tubing.....	5.63	1.73
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.45	
For >1,000, Deduct	-0.64	
For 316 Stainless Steel, Add	12.48	
For Aluminum, Add	0.70	
For Galvanized Steel, Add	2.42	
For 304 Stainless Steel, Add	11.12	
05 12 23 00-0687 LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	7.45	1.64
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.83	
For 316 Stainless Steel, Add	16.80	
For Aluminum, Add	0.95	
For Galvanized Steel, Add	3.26	
For 304 Stainless Steel, Add	14.96	
05 12 23 00-0688 LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	8.81	1.99
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.71	
For >1,000, Deduct	-0.99	
For 316 Stainless Steel, Add	19.71	
For Aluminum, Add	1.11	
For Galvanized Steel, Add	3.82	
For 304 Stainless Steel, Add	17.56	
05 12 23 00-0689 0.083" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0690 LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.87	1.12
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.55	
For 316 Stainless Steel, Add	10.82	
For Aluminum, Add	0.61	
For Galvanized Steel, Add	2.10	
For 304 Stainless Steel, Add	9.63	
05 12 23 00-0691 LF 1" x 1" x 0.083" Square Steel Tubing.....	7.10	1.53
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.79	
For 316 Stainless Steel, Add	16.19	
For Aluminum, Add	0.91	
For Galvanized Steel, Add	3.14	
For 304 Stainless Steel, Add	14.42	
05 12 23 00-0692 LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	8.57	1.95
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-0.69	
For >1,000, Deduct	-0.97	
For 316 Stainless Steel, Add	19.10	
For Aluminum, Add	1.07	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	17.01	
05 12 23 00-0693 LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	10.36	2.37
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.17	
For 316 Stainless Steel, Add	23.04	
For Aluminum, Add	1.30	
For Galvanized Steel, Add	4.46	
For 304 Stainless Steel, Add	20.52	
05 12 23 00-0694 LF 2" x 2" x 0.083" Square Steel Tubing.....	13.28	3.16
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.52	
For 316 Stainless Steel, Add	29.02	
For Aluminum, Add	1.63	
For Galvanized Steel, Add	5.62	
For 304 Stainless Steel, Add	25.85	

05 12 23 00-0695 0.12" Wall Thickness (05 12 23 00-0682)



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0696 LF 1" x 1" x 0.12" Square Steel Tubing	7.83	1.82
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.89	
For 316 Stainless Steel, Add	17.25	
For Aluminum, Add	0.97	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	15.36	
05 12 23 00-0697 LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	10.08	2.35
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-0.82	
For >1,000, Deduct	-1.15	
For 316 Stainless Steel, Add	22.27	
For Aluminum, Add	1.25	
For Galvanized Steel, Add	4.32	
For 304 Stainless Steel, Add	19.84	
05 12 23 00-0698 LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	12.38	2.86
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.41	
For 316 Stainless Steel, Add	27.39	
For Aluminum, Add	1.54	
For Galvanized Steel, Add	5.31	
For 304 Stainless Steel, Add	24.40	
05 12 23 00-0699 LF 2" x 2" x 0.12" Square Steel Tubing	16.75	3.90
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.81	
For >500 To 1,000, Deduct	-1.36	
For >1,000, Deduct	-1.91	
For 316 Stainless Steel, Add	36.96	
For Aluminum, Add	2.08	
For Galvanized Steel, Add	7.16	
For 304 Stainless Steel, Add	32.92	
05 12 23 00-0700 1/8" Wall Thickness <small>(05 12 23 00-0682)</small>		
05 12 23 00-0701 LF 2" x 2" x 1/8" Square Steel Tubing	15.03	4.05
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.29	
For >1,000, Deduct	-1.80	
For 316 Stainless Steel, Add	30.82	
For Aluminum, Add	1.73	
For Galvanized Steel, Add	5.97	
For 304 Stainless Steel, Add	27.45	
05 12 23 00-0702 LF 2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	19.84	5.13
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.01	
For >500 To 1,000, Deduct	-1.68	
For >1,000, Deduct	-2.34	
For 316 Stainless Steel, Add	41.60	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.06	
For 304 Stainless Steel, Add	37.05	
05 12 23 00-0703 LF 3" x 3" x 1/8" Square Steel Tubing	23.23	6.20
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.99	
For >1,000, Deduct	-2.78	
For 316 Stainless Steel, Add	47.84	
For Aluminum, Add	2.69	
For Galvanized Steel, Add	9.27	
For 304 Stainless Steel, Add	42.61	
05 12 23 00-0704 LF 3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	26.91	7.29
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.40	
For >500 To 1,000, Deduct	-2.32	
For >1,000, Deduct	-3.23	
For 316 Stainless Steel, Add	55.01	
For Aluminum, Add	3.09	
For Galvanized Steel, Add	10.66	
For 304 Stainless Steel, Add	48.99	
05 12 23 00-0705 LF 4" x 4" x 1/8" Square Steel Tubing	29.62	8.37
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.58	
For >500 To 1,000, Deduct	-2.60	
For >1,000, Deduct	-3.62	
For 316 Stainless Steel, Add	59.07	
For Aluminum, Add	3.32	
For Galvanized Steel, Add	11.45	
For 304 Stainless Steel, Add	52.61	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23	00-0706		3/16" Wall Thickness (05 12 23 00-0682)		
05 12 23	00-0707	LF	2" x 2" x 3/16" Square Steel Tubing.....	17.04	4.57
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.46	
			For >1,000, Deduct	-2.04	
			For 316 Stainless Steel, Add	35.04	
			For Aluminum, Add	1.97	
			For Galvanized Steel, Add	6.79	
			For 304 Stainless Steel, Add	31.21	
05 12 23	00-0708	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	22.06	5.91
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.89	
			For >1,000, Deduct	-2.64	
			For 316 Stainless Steel, Add	45.34	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.79	
			For 304 Stainless Steel, Add	40.38	
05 12 23	00-0709	LF	3" x 3" x 3/16" Square Steel Tubing.....	27.11	7.26
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-2.32	
			For >1,000, Deduct	-3.24	
			For 316 Stainless Steel, Add	55.74	
			For Aluminum, Add	3.14	
			For Galvanized Steel, Add	10.80	
			For 304 Stainless Steel, Add	49.65	
05 12 23	00-0710	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	32.16	8.62
			For >100 To 250, Deduct	-0.86	
			For >250 To 500, Deduct	-1.67	
			For >500 To 1,000, Deduct	-2.76	
			For >1,000, Deduct	-3.85	
			For 316 Stainless Steel, Add	66.14	
			For Aluminum, Add	3.72	
			For Galvanized Steel, Add	12.82	
			For 304 Stainless Steel, Add	58.91	
05 12 23	00-0711	LF	4" x 4" x 3/16" Square Steel Tubing.....	37.17	9.96
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.93	
			For >500 To 1,000, Deduct	-3.19	
			For >1,000, Deduct	-4.45	
			For 316 Stainless Steel, Add	76.45	
			For Aluminum, Add	4.30	
			For Galvanized Steel, Add	14.81	
			For 304 Stainless Steel, Add	68.09	
05 12 23	00-0712	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	42.22	11.32
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-2.19	
			For >500 To 1,000, Deduct	-3.62	
			For >1,000, Deduct	-5.05	
			For 316 Stainless Steel, Add	86.82	
			For Aluminum, Add	4.88	
			For Galvanized Steel, Add	16.82	
			For 304 Stainless Steel, Add	77.32	
05 12 23	00-0713	LF	5" x 5" x 3/16" Square Steel Tubing.....	47.23	12.66
			For >100 To 250, Deduct	-1.27	
			For >250 To 500, Deduct	-2.45	
			For >500 To 1,000, Deduct	-4.05	
			For >1,000, Deduct	-5.65	
			For 316 Stainless Steel, Add	97.12	
			For Aluminum, Add	5.46	
			For Galvanized Steel, Add	18.82	
			For 304 Stainless Steel, Add	86.50	
05 12 23	00-0714	LF	6" x 6" x 3/16" Square Steel Tubing.....	57.33	15.37
			For >100 To 250, Deduct	-1.54	
			For >250 To 500, Deduct	-2.97	
			For >500 To 1,000, Deduct	-4.92	
			For >1,000, Deduct	-6.86	
			For 316 Stainless Steel, Add	117.89	
			For Aluminum, Add	6.63	
			For Galvanized Steel, Add	22.84	
			For 304 Stainless Steel, Add	104.99	
05 12 23	00-0715		1/4" Wall Thickness (05 12 23 00-0682)		
05 12 23	00-0716	LF	2" x 2" x 1/4" Square Steel Tubing.....	18.21	4.57
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.91	
			For >500 To 1,000, Deduct	-1.52	
			For >1,000, Deduct	-2.13	
			For 316 Stainless Steel, Add	38.75	
			For Aluminum, Add	2.18	
			For Galvanized Steel, Add	7.51	
			For 304 Stainless Steel, Add	34.51	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0717 LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	23.93	6.01
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-2.00	
For >1,000, Deduct	-2.80	
For 316 Stainless Steel, Add	50.91	
For Aluminum, Add	2.86	
For Galvanized Steel, Add	9.86	
For 304 Stainless Steel, Add	45.34	
05 12 23 00-0718 LF 3" x 3" x 1/4" Square Steel Tubing.....	29.66	7.45
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.49	
For >500 To 1,000, Deduct	-2.48	
For >1,000, Deduct	-3.47	
For 316 Stainless Steel, Add	63.10	
For Aluminum, Add	3.55	
For Galvanized Steel, Add	12.23	
For 304 Stainless Steel, Add	56.20	
05 12 23 00-0719 LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	35.37	8.89
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-4.13	
For 316 Stainless Steel, Add	75.26	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.58	
For 304 Stainless Steel, Add	67.03	
05 12 23 00-0720 LF 4" x 4" x 1/4" Square Steel Tubing.....	41.10	10.33
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-2.06	
For >500 To 1,000, Deduct	-3.43	
For >1,000, Deduct	-4.81	
For 316 Stainless Steel, Add	87.42	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.94	
For 304 Stainless Steel, Add	77.86	
05 12 23 00-0721 LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	46.82	11.76
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.47	
For 316 Stainless Steel, Add	99.62	
For Aluminum, Add	5.60	
For Galvanized Steel, Add	19.30	
For 304 Stainless Steel, Add	88.72	
05 12 23 00-0722 LF 5" x 5" x 1/4" Square Steel Tubing.....	52.58	13.21
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.64	
For >500 To 1,000, Deduct	-4.39	
For >1,000, Deduct	-6.15	
For 316 Stainless Steel, Add	111.87	
For Aluminum, Add	6.29	
For Galvanized Steel, Add	21.68	
For 304 Stainless Steel, Add	99.64	
05 12 23 00-0723 LF 6" x 6" x 1/4" Square Steel Tubing.....	64.02	16.09
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-3.21	
For >500 To 1,000, Deduct	-5.35	
For >1,000, Deduct	-7.48	
For 316 Stainless Steel, Add	136.22	
For Aluminum, Add	7.66	
For Galvanized Steel, Add	26.39	
For 304 Stainless Steel, Add	121.32	
05 12 23 00-0724 Rectangular Steel Tubing <small>(05 12 23 00-0681)</small>		
05 12 23 00-0725 3/16" Wall Thickness <small>(05 12 23 00-0724)</small>		
05 12 23 00-0726 LF 3" x 2" x 3/16" Square Steel Tubing.....	22.06	5.91
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.89	
For >1,000, Deduct	-2.64	
For 316 Stainless Steel, Add	45.34	
For Aluminum, Add	2.55	
For Galvanized Steel, Add	8.79	
For 304 Stainless Steel, Add	40.38	
05 12 23 00-0727 LF 4" x 2" x 3/16" Square Steel Tubing.....	27.11	7.26
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.40	
For >500 To 1,000, Deduct	-2.32	
For >1,000, Deduct	-3.24	
For 316 Stainless Steel, Add	55.74	
For Aluminum, Add	3.14	
For Galvanized Steel, Add	10.80	
For 304 Stainless Steel, Add	49.65	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0728	LF		4" x 3" x 3/16" Square Steel Tubing.....	32.16	8.62
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500 To 1,000, Deduct</i>	-2.76	
			<i>For >1,000, Deduct</i>	-3.85	
			<i>For 316 Stainless Steel, Add</i>	66.14	
			<i>For Aluminum, Add</i>	3.72	
			<i>For Galvanized Steel, Add</i>	12.82	
			<i>For 304 Stainless Steel, Add</i>	58.91	
05 12 23 00-0729	LF		5" x 2" x 3/16" Square Steel Tubing.....	32.16	8.62
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500 To 1,000, Deduct</i>	-2.76	
			<i>For >1,000, Deduct</i>	-3.85	
			<i>For 316 Stainless Steel, Add</i>	66.14	
			<i>For Aluminum, Add</i>	3.72	
			<i>For Galvanized Steel, Add</i>	12.82	
			<i>For 304 Stainless Steel, Add</i>	58.91	
05 12 23 00-0730	LF		5" x 3" x 3/16" Square Steel Tubing.....	37.17	9.96
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.93	
			<i>For >500 To 1,000, Deduct</i>	-3.19	
			<i>For >1,000, Deduct</i>	-4.45	
			<i>For 316 Stainless Steel, Add</i>	76.45	
			<i>For Aluminum, Add</i>	4.30	
			<i>For Galvanized Steel, Add</i>	14.81	
			<i>For 304 Stainless Steel, Add</i>	68.09	
05 12 23 00-0731	LF		5" x 4" x 3/16" Square Steel Tubing.....	42.22	11.32
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-2.19	
			<i>For >500 To 1,000, Deduct</i>	-3.62	
			<i>For >1,000, Deduct</i>	-5.05	
			<i>For 316 Stainless Steel, Add</i>	86.82	
			<i>For Aluminum, Add</i>	4.88	
			<i>For Galvanized Steel, Add</i>	16.82	
			<i>For 304 Stainless Steel, Add</i>	77.32	
05 12 23 00-0732	LF		6" x 2" x 3/16" Square Steel Tubing.....	37.17	9.96
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.93	
			<i>For >500 To 1,000, Deduct</i>	-3.19	
			<i>For >1,000, Deduct</i>	-4.45	
			<i>For 316 Stainless Steel, Add</i>	76.45	
			<i>For Aluminum, Add</i>	4.30	
			<i>For Galvanized Steel, Add</i>	14.81	
			<i>For 304 Stainless Steel, Add</i>	68.09	
05 12 23 00-0733	LF		6" x 3" x 3/16" Square Steel Tubing.....	42.22	11.32
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-2.19	
			<i>For >500 To 1,000, Deduct</i>	-3.62	
			<i>For >1,000, Deduct</i>	-5.05	
			<i>For 316 Stainless Steel, Add</i>	86.82	
			<i>For Aluminum, Add</i>	4.88	
			<i>For Galvanized Steel, Add</i>	16.82	
			<i>For 304 Stainless Steel, Add</i>	77.32	
05 12 23 00-0734	LF		6" x 4" x 3/16" Square Steel Tubing.....	47.23	12.66
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-2.45	
			<i>For >500 To 1,000, Deduct</i>	-4.05	
			<i>For >1,000, Deduct</i>	-5.65	
			<i>For 316 Stainless Steel, Add</i>	97.12	
			<i>For Aluminum, Add</i>	5.46	
			<i>For Galvanized Steel, Add</i>	18.82	
			<i>For 304 Stainless Steel, Add</i>	86.50	
05 12 23 00-0735			1/4" Wall Thickness <small>(05 12 23 00-0724)</small>		
05 12 23 00-0736	LF		3" x 2" x 1/4" Square Steel Tubing.....	23.93	6.01
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-2.00	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For 316 Stainless Steel, Add</i>	50.91	
			<i>For Aluminum, Add</i>	2.86	
			<i>For Galvanized Steel, Add</i>	9.86	
			<i>For 304 Stainless Steel, Add</i>	45.34	
05 12 23 00-0737	LF		4" x 2" x 1/4" Square Steel Tubing.....	29.66	7.45
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500 To 1,000, Deduct</i>	-2.48	
			<i>For >1,000, Deduct</i>	-3.47	
			<i>For 316 Stainless Steel, Add</i>	63.10	
			<i>For Aluminum, Add</i>	3.55	
			<i>For Galvanized Steel, Add</i>	12.23	
			<i>For 304 Stainless Steel, Add</i>	56.20	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0738 LF 4" x 3" x 1/4" Square Steel Tubing.....	35.37	8.89
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-4.13	
For 316 Stainless Steel, Add	75.26	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.58	
For 304 Stainless Steel, Add	67.03	
05 12 23 00-0739 LF 5" x 2" x 1/4" Square Steel Tubing.....	35.37	8.89
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-4.13	
For 316 Stainless Steel, Add	75.26	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.58	
For 304 Stainless Steel, Add	67.03	
05 12 23 00-0740 LF 5" x 3" x 1/4" Square Steel Tubing.....	41.10	10.33
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-2.06	
For >500 To 1,000, Deduct	-3.43	
For >1,000, Deduct	-4.81	
For 316 Stainless Steel, Add	87.42	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.94	
For 304 Stainless Steel, Add	77.86	
05 12 23 00-0741 LF 5" x 4" x 1/4" Square Steel Tubing.....	46.82	11.76
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.47	
For 316 Stainless Steel, Add	99.62	
For Aluminum, Add	5.60	
For Galvanized Steel, Add	19.30	
For 304 Stainless Steel, Add	88.72	
05 12 23 00-0742 LF 6" x 2" x 1/4" Square Steel Tubing.....	41.10	10.33
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-2.06	
For >500 To 1,000, Deduct	-3.43	
For >1,000, Deduct	-4.81	
For 316 Stainless Steel, Add	87.42	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.94	
For 304 Stainless Steel, Add	77.86	
05 12 23 00-0743 LF 6" x 3" x 1/4" Square Steel Tubing.....	46.82	11.76
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.47	
For 316 Stainless Steel, Add	99.62	
For Aluminum, Add	5.60	
For Galvanized Steel, Add	19.30	
For 304 Stainless Steel, Add	88.72	
05 12 23 00-0744 LF 6" x 4" x 1/4" Square Steel Tubing.....	52.58	13.21
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.64	
For >500 To 1,000, Deduct	-4.39	
For >1,000, Deduct	-6.15	
For 316 Stainless Steel, Add	111.87	
For Aluminum, Add	6.29	
For Galvanized Steel, Add	21.68	
For 304 Stainless Steel, Add	99.64	
05 12 23 00-0745 Round Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0746 0.065" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0747 LF 1" Diameter x 0.065" Round Steel Tubing.....	4.86	1.10
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.55	
For 316 Stainless Steel, Add	10.88	
For Aluminum, Add	0.61	
For Galvanized Steel, Add	2.11	
For 304 Stainless Steel, Add	9.69	
05 12 23 00-0748 LF 1-1/4" Diameter x 0.065" Round Steel Tubing.....	6.16	1.39
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.49	
For >1,000, Deduct	-0.69	
For 316 Stainless Steel, Add	13.79	
For Aluminum, Add	0.78	
For Galvanized Steel, Add	2.67	
For 304 Stainless Steel, Add	12.28	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0749 LF 1-1/2" Diameter x 0.065" Round Steel Tubing	7.47	1.68
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.60	
For >1,000, Deduct	-0.84	
For 316 Stainless Steel, Add	16.70	
For Aluminum, Add	0.94	
For Galvanized Steel, Add	3.24	
For 304 Stainless Steel, Add	14.88	
05 12 23 00-0750 LF 2" Diameter x 0.065" Round Steel Tubing	10.07	2.28
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.13	
For 316 Stainless Steel, Add	22.53	
For Aluminum, Add	1.27	
For Galvanized Steel, Add	4.36	
For 304 Stainless Steel, Add	20.06	
05 12 23 00-0751 LF 2-1/2" Diameter x 0.065" Round Steel Tubing	12.68	2.86
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-1.02	
For >1,000, Deduct	-1.43	
For 316 Stainless Steel, Add	28.35	
For Aluminum, Add	1.59	
For Galvanized Steel, Add	5.49	
For 304 Stainless Steel, Add	25.25	
05 12 23 00-0752 LF 3" Diameter x 0.065" Round Steel Tubing	15.27	3.44
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.22	
For >1,000, Deduct	-1.72	
For 316 Stainless Steel, Add	34.18	
For Aluminum, Add	1.92	
For Galvanized Steel, Add	6.62	
For 304 Stainless Steel, Add	30.44	
05 12 23 00-0753 LF 3-1/2" Diameter x 0.065" Round Steel Tubing	17.88	4.04
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.85	
For >500 To 1,000, Deduct	-1.43	
For >1,000, Deduct	-2.01	
For 316 Stainless Steel, Add	40.00	
For Aluminum, Add	2.25	
For Galvanized Steel, Add	7.75	
For 304 Stainless Steel, Add	35.63	
05 12 23 00-0754 LF 4" Diameter x 0.065" Round Steel Tubing	20.48	4.62
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.64	
For >1,000, Deduct	-2.31	
For 316 Stainless Steel, Add	45.82	
For Aluminum, Add	2.58	
For Galvanized Steel, Add	8.88	
For 304 Stainless Steel, Add	40.81	
05 12 23 00-0755 0.083" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0756 LF 1" Diameter x 0.083" Round Steel Tubing	5.28	1.21
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.42	
For >1,000, Deduct	-0.60	
For 316 Stainless Steel, Add	11.78	
For Aluminum, Add	0.66	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	10.49	
05 12 23 00-0757 LF 1-1/4" Diameter x 0.083" Round Steel Tubing	6.72	1.53
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.54	
For >1,000, Deduct	-0.76	
For 316 Stainless Steel, Add	14.98	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.90	
For 304 Stainless Steel, Add	13.34	
05 12 23 00-0758 LF 1-1/2" Diameter x 0.083" Round Steel Tubing	8.17	1.86
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.92	
For 316 Stainless Steel, Add	18.21	
For Aluminum, Add	1.02	
For Galvanized Steel, Add	3.53	
For 304 Stainless Steel, Add	16.22	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0759 LF 2" Diameter x 0.083" Round Steel Tubing	11.04	2.52
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.25	
For 316 Stainless Steel, Add	24.61	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.77	
For 304 Stainless Steel, Add	21.92	
05 12 23 00-0760 LF 2-1/2" Diameter x 0.083" Round Steel Tubing	13.93	3.17
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.67	
For >500 To 1,000, Deduct	-1.12	
For >1,000, Deduct	-1.57	
For 316 Stainless Steel, Add	31.04	
For Aluminum, Add	1.75	
For Galvanized Steel, Add	6.01	
For 304 Stainless Steel, Add	27.65	
05 12 23 00-0761 LF 3" Diameter x 0.083" Round Steel Tubing	16.82	3.83
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.35	
For >1,000, Deduct	-1.90	
For 316 Stainless Steel, Add	37.47	
For Aluminum, Add	2.11	
For Galvanized Steel, Add	7.26	
For 304 Stainless Steel, Add	33.37	
05 12 23 00-0762 LF 3-1/2" Diameter x 0.083" Round Steel Tubing	19.70	4.48
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.58	
For >1,000, Deduct	-2.23	
For 316 Stainless Steel, Add	43.90	
For Aluminum, Add	2.47	
For Galvanized Steel, Add	8.51	
For 304 Stainless Steel, Add	39.10	
05 12 23 00-0763 LF 4" Diameter x 0.083" Round Steel Tubing	22.58	5.14
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.82	
For >1,000, Deduct	-2.55	
For 316 Stainless Steel, Add	50.30	
For Aluminum, Add	2.83	
For Galvanized Steel, Add	9.75	
For 304 Stainless Steel, Add	44.80	
05 12 23 00-0764 0.125" Wall Thickness <small>(05 12 23 00-0745)</small>		
05 12 23 00-0765 LF 2" Diameter x 0.125" Round Steel Tubing	11.79	3.17
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-1.01	
For >1,000, Deduct	-1.41	
For 316 Stainless Steel, Add	24.16	
For Aluminum, Add	1.36	
For Galvanized Steel, Add	4.68	
For 304 Stainless Steel, Add	21.52	
05 12 23 00-0766 LF 2-1/2" Diameter x 0.125" Round Steel Tubing	14.94	4.03
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.28	
For >1,000, Deduct	-1.79	
For 316 Stainless Steel, Add	30.62	
For Aluminum, Add	1.72	
For Galvanized Steel, Add	5.93	
For 304 Stainless Steel, Add	27.27	
05 12 23 00-0767 LF 3" Diameter x 0.125" Round Steel Tubing	18.08	4.87
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.55	
For >1,000, Deduct	-2.17	
For 316 Stainless Steel, Add	37.06	
For Aluminum, Add	2.08	
For Galvanized Steel, Add	7.18	
For 304 Stainless Steel, Add	33.00	
05 12 23 00-0768 LF 3-1/2" Diameter x 0.125" Round Steel Tubing	21.21	5.72
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.82	
For >1,000, Deduct	-2.54	
For 316 Stainless Steel, Add	43.49	
For Aluminum, Add	2.45	
For Galvanized Steel, Add	8.43	
For 304 Stainless Steel, Add	38.73	

05	05	Metals
	05 10	Structural Metal Framing
	05 12	Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0769 LF 4" Diameter x 0.125" Round Steel Tubing	24.35	6.57
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-2.09	
For >1,000, Deduct	-2.92	
For 316 Stainless Steel, Add	49.92	
For Aluminum, Add	2.81	
For Galvanized Steel, Add	9.67	
For 304 Stainless Steel, Add	44.46	
05 12 23 00-0770 Flat Steel Bar (05 12 23 00-0422)		
05 12 23 00-0771 1/8" Thick (05 12 23 00-0770)		
05 12 23 00-0772 LF 1/8" Thick x 1" Wide Flat Steel Bar	3.41	1.58
For 316 Stainless Steel, Add	3.33	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.96	
05 12 23 00-0773 LF 1/8" Thick x 2" Wide Flat Steel Bar	5.29	2.37
For 316 Stainless Steel, Add	5.54	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.07	
For 304 Stainless Steel, Add	4.93	
05 12 23 00-0774 LF 1/8" Thick x 4" Wide Flat Steel Bar	8.15	3.34
For 316 Stainless Steel, Add	10.05	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.95	
For 304 Stainless Steel, Add	8.95	
05 12 23 00-0775 LF 1/8" Thick x 6" Wide Flat Steel Bar	11.05	4.53
For 316 Stainless Steel, Add	13.60	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	12.11	
05 12 23 00-0776 3/16" Thick (05 12 23 00-0770)		
05 12 23 00-0777 LF 3/16" Thick x 1" Wide Flat Steel Bar	4.52	1.96
For 316 Stainless Steel, Add	5.06	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.98	
For 304 Stainless Steel, Add	4.50	
05 12 23 00-0778 LF 3/16" Thick x 2" Wide Flat Steel Bar	7.15	2.94
For 316 Stainless Steel, Add	8.74	
For Aluminum, Add	0.49	
For Galvanized Steel, Add	1.69	
For 304 Stainless Steel, Add	7.78	
05 12 23 00-0779 LF 3/16" Thick x 4" Wide Flat Steel Bar	9.69	3.38
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
05 12 23 00-0780 LF 3/16" Thick x 6" Wide Flat Steel Bar	13.41	4.69
For 316 Stainless Steel, Add	20.38	
For Aluminum, Add	1.15	
For Galvanized Steel, Add	3.95	
For 304 Stainless Steel, Add	18.15	
05 12 23 00-0781 1/4" Thick (05 12 23 00-0770)		
05 12 23 00-0782 LF 1/4" Thick x 1" Wide Flat Steel Bar	4.67	2.07
For 316 Stainless Steel, Add	4.99	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.97	
For 304 Stainless Steel, Add	4.45	
05 12 23 00-0783 LF 1/4" Thick x 2" Wide Flat Steel Bar	7.83	3.11
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	9.01	
05 12 23 00-0784 LF 1/4" Thick x 4" Wide Flat Steel Bar	11.46	3.56
For 316 Stainless Steel, Add	19.58	
For Aluminum, Add	1.10	
For Galvanized Steel, Add	3.79	
For 304 Stainless Steel, Add	17.44	
05 12 23 00-0785 LF 1/4" Thick x 6" Wide Flat Steel Bar	16.57	5.26
For 316 Stainless Steel, Add	27.74	
For Aluminum, Add	1.56	
For Galvanized Steel, Add	5.38	
For 304 Stainless Steel, Add	24.71	
05 12 23 00-0786 3/8" Thick (05 12 23 00-0770)		



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0787 LF 3/8" Thick x 1" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	5.95 7.84 0.44 1.52 6.98	2.34
05 12 23 00-0788 LF 3/8" Thick x 2" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	9.79 14.50 0.82 2.81 12.91	3.49
05 12 23 00-0789 LF 3/8" Thick x 4" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	15.05 28.96 1.63 5.61 25.79	3.99
05 12 23 00-0790 LF 3/8" Thick x 6" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	21.63 40.77 2.29 7.90 36.31	5.91
05 12 23 00-0791 1/2" Thick <small>(05 12 23 00-0770)</small>		
05 12 23 00-0792 LF 1/2" Thick x 1" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	7.00 10.05 0.57 1.95 8.95	2.56
05 12 23 00-0793 LF 1/2" Thick x 2" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	11.57 18.50 1.04 3.58 16.47	3.86
05 12 23 00-0794 LF 1/2" Thick x 4" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	16.44 31.49 1.77 6.10 28.04	4.39
05 12 23 00-0795 LF 1/2" Thick x 6" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	29.40 62.82 3.53 12.17 55.95	6.51
05 12 23 00-0796 Flat Steel Plate <small>(05 12 23 00-0422)</small>		
05 12 23 00-0797 SF 1/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	17.62 23.71 1.33 4.59 21.12	6.80
05 12 23 00-0798 SF 3/16" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	19.84 29.66 1.67 5.75 26.42	7.04
05 12 23 00-0799 SF 1/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	23.66 37.82 2.13 7.33 33.69	7.89
05 12 23 00-0800 SF 3/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	31.88 59.36 3.34 11.50 52.87	8.87
05 12 23 00-0801 SF 1/2" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	37.76 73.95 4.16 14.33 65.86	9.76
05 12 23 00-0802 SF 3/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	61.65 138.66 7.80 26.86 123.49	12.09
05 12 23 00-0803 SF 1" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	82.22 189.86 10.68 36.78 169.09	15.11

05 13 Structural Stainless-Steel Framing (05 10)

05 Metals**05 10 Structural Metal Framing****05 13 Structural Stainless-Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 13 00 00-0001 Stainless Steel Tube <small>(05 13)</small>		
05 13 00 00-0002 LF 1" x 1" Stainless Steel Tube.....	37.21	
05 13 00 00-0003 LF 1-1/2" x 1-1/2" Stainless Steel Tube.....	48.29	
05 13 00 00-0004 LF 2" x 2" Stainless Steel Tube.....	65.81	
 05 14 Structural Aluminum Framing <small>(05 10)</small>		
05 14 13 Architecturally-Exposed Structural Aluminum Framing <small>(05 14)</small>		
05 14 13 00-0001 Rolled Or Plate Shapes <small>(05 14 13)</small>		
Note: 1" through 10" member.		
05 14 13 00-0002 LB Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members.....	9.12	0.90
05 14 13 00-0003 LB Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members.....	8.03	0.84
 05 14 13 00-0004 Aluminum Extrusions <small>(05 14 13)</small>		
05 14 13 00-0005 LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members.....	14.99	3.74
05 14 13 00-0006 LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	15.86	3.74
 05 14 13 00-0007 Aluminum Tubing <small>(05 14 13)</small>		
05 14 13 00-0008 LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	13.45	2.33
05 14 13 00-0009 LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness.....	12.17	3.76
05 14 13 00-0010 LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness.....	14.68	4.10
05 14 13 00-0011 LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness.....	16.86	4.78
05 14 13 00-0012 LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness.....	20.01	5.14
05 14 13 00-0013 LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness.....	57.86	6.51
05 14 13 00-0014 LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness.....	47.42	5.82
 05 14 13 00-0015 Columns <small>(05 14 13)</small>		
Note: Baked on paint finish, load bearing.		
05 14 13 00-0016 Round Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0017 LF 6" Diameter Aluminum Column.....	53.42	7.37
05 14 13 00-0018 LF 8" Diameter Aluminum Column.....	71.03	10.55
05 14 13 00-0019 LF 10" Diameter Aluminum Column.....	86.73	11.86
05 14 13 00-0020 LF 12" Diameter Aluminum Column.....	130.50	12.42
05 14 13 00-0021 LF 15" Diameter Aluminum Column.....	166.64	14.39
05 14 13 00-0022 EA 6" Diameter Aluminum Base And Cap.....	103.80	13.74
05 14 13 00-0023 EA 8" Diameter Aluminum Base And Cap.....	118.88	14.83
05 14 13 00-0024 EA 10" Diameter Aluminum Base And Cap.....	150.23	16.48
05 14 13 00-0025 EA 12" Diameter Aluminum Base And Cap.....	260.49	17.58
05 14 13 00-0026 EA 15" Diameter Aluminum Base And Cap.....	399.43	19.23
 05 14 13 00-0027 Octagonal Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0028 LF 6" Diameter Aluminum Column.....	59.57	7.37
05 14 13 00-0029 LF 8" Diameter Aluminum Column.....	81.01	10.55
05 14 13 00-0030 LF 10" Diameter Aluminum Column.....	99.33	11.86
05 14 13 00-0031 LF 12" Diameter Aluminum Column.....	151.65	12.42
05 14 13 00-0032 LF 15" Diameter Aluminum Column.....	194.23	14.39
05 14 13 00-0033 EA 6" Diameter Aluminum Base And Cap.....	119.07	13.74
05 14 13 00-0034 EA 8" Diameter Aluminum Base And Cap.....	136.72	14.83
05 14 13 00-0035 EA 10" Diameter Aluminum Base And Cap.....	173.68	16.48
05 14 13 00-0036 EA 12" Diameter Aluminum Base And Cap.....	305.55	17.58
05 14 13 00-0037 EA 15" Diameter Aluminum Base And Cap.....	471.62	19.23
 05 14 13 00-0038 Fluted Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0039 LF 6" Diameter Aluminum Column.....	66.32	7.37
05 14 13 00-0040 LF 8" Diameter Aluminum Column.....	89.99	10.55
05 14 13 00-0041 LF 10" Diameter Aluminum Column.....	110.67	11.86
05 14 13 00-0042 LF 12" Diameter Aluminum Column.....	170.69	12.42
05 14 13 00-0043 LF 15" Diameter Aluminum Column.....	219.06	14.39
05 14 13 00-0044 EA 6" Diameter Aluminum Base And Cap.....	132.81	13.74
05 14 13 00-0045 EA 8" Diameter Aluminum Base And Cap.....	152.78	14.83
05 14 13 00-0046 EA 10" Diameter Aluminum Base And Cap.....	194.79	16.48
05 14 13 00-0047 EA 12" Diameter Aluminum Base And Cap.....	346.11	17.58
05 14 13 00-0048 EA 15" Diameter Aluminum Base And Cap.....	536.60	19.23
 05 14 13 00-0049 Square Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0050 LF 6" Aluminum Column.....	70.93	7.37
05 14 13 00-0051 LF 8" Aluminum Column.....	96.13	10.55
05 14 13 00-0052 LF 10" Aluminum Column.....	118.42	11.86
05 14 13 00-0053 LF 12" Aluminum Column.....	183.71	12.42
05 14 13 00-0054 LF 15" Aluminum Column.....	236.04	14.39
05 14 13 00-0055 EA 6" Aluminum Base And Cap.....	142.21	13.74



Metals	05	05
Structural Metal Framing	05 10	
Structural Aluminum Framing	05 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0056	EA		8" Aluminum Base And Cap	163.76	14.83
05 14 13 00-0057	EA		10" Aluminum Base And Cap	209.22	16.48
05 14 13 00-0058	EA		12" Aluminum Base And Cap	373.84	17.58
05 14 13 00-0059	EA		15" Aluminum Base And Cap	581.03	19.23

05 14 13 00-0060 Ornamental Or Decorative Cap And Bases (05 14 13 00-0015)

05 14 13 00-0061	EA		8" Corinthian Capital And Base	810.09	16.48
05 14 13 00-0062	EA		10" Corinthian Capital And Base	1,192.51	19.23
05 14 13 00-0063	EA		12" Corinthian Capital And Base	1,887.11	21.97
05 14 13 00-0064	EA		8" Scamozzi Capital And Base	401.60	16.48
05 14 13 00-0065	EA		10" Scamozzi Capital And Base	538.27	19.23
05 14 13 00-0066	EA		12" Scamozzi Capital And Base	1,084.09	21.97

05 15 Wire Rope Assemblies (05 10)

05 15 16 Steel Wire Rope Assemblies (05 15)

05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)

05 15 16 00-0002	LF		1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.57	0.11
			<i>For >500, Deduct</i>	-0.28	
05 15 16 00-0003	LF		5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.11	0.11
			<i>For >500, Deduct</i>	-0.36	
05 15 16 00-0004	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.51	0.22
			<i>For >500, Deduct</i>	-0.42	
05 15 16 00-0005	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.04	0.22
			<i>For >500, Deduct</i>	-0.49	
05 15 16 00-0006	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.51	0.34
			<i>For >500, Deduct</i>	-0.55	
05 15 16 00-0007	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.31	0.45
			<i>For >500, Deduct</i>	-0.66	
05 15 16 00-0008	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.15	0.45
			<i>For >500, Deduct</i>	-0.78	
05 15 16 00-0009	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.15	0.79
			<i>For >500, Deduct</i>	-1.07	
05 15 16 00-0010	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.60	0.91
			<i>For >500, Deduct</i>	-1.44	
05 15 16 00-0011	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.97	1.24
			<i>For >500, Deduct</i>	-1.76	
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	14.80	1.58
			<i>For >500, Deduct</i>	-2.17	
05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	18.04	1.91
			<i>For >500, Deduct</i>	-2.64	

05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)

05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.84	0.11
			<i>For >500, Deduct</i>	-0.33	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.38	0.11
			<i>For >500, Deduct</i>	-0.42	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.96	0.22
			<i>For >500, Deduct</i>	-0.51	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.38	0.22
			<i>For >500, Deduct</i>	-0.56	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.02	0.34
			<i>For >500, Deduct</i>	-0.65	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.64	0.45
			<i>For >500, Deduct</i>	-0.73	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.42	0.45
			<i>For >500, Deduct</i>	-0.84	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.96	0.79
			<i>For >500, Deduct</i>	-1.24	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.21	0.91
			<i>For >500, Deduct</i>	-1.56	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.57	1.24
			<i>For >500, Deduct</i>	-1.89	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	16.08	1.58
			<i>For >500, Deduct</i>	-2.41	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	19.57	1.91
			<i>For >500, Deduct</i>	-2.95	
05 15 16 00-0027			6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope ^(05 15 16)		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.46	0.11
			<i>For >500, Deduct</i>	-0.25	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.98	0.11
			<i>For >500, Deduct</i>	-0.34	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.36	0.22
			<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.78	0.22
			<i>For >500, Deduct</i>	-0.44	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.35	0.34
			<i>For >500, Deduct</i>	-0.51	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.24	0.45
			<i>For >500, Deduct</i>	-0.65	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.95	0.45
			<i>For >500, Deduct</i>	-0.74	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.96	0.79
			<i>For >500, Deduct</i>	-1.04	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	8.53	0.91
			<i>For >500, Deduct</i>	-1.22	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	10.84	1.24
			<i>For >500, Deduct</i>	-1.53	
05 15 16 00-0038			6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope ^(05 15 16)		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.44	0.11
			<i>For >500, Deduct</i>	-0.25	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.91	0.11
			<i>For >500, Deduct</i>	-0.32	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.36	0.22
			<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.78	0.22
			<i>For >500, Deduct</i>	-0.44	
05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.50	0.34
			<i>For >500, Deduct</i>	-0.54	
05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.17	0.45
			<i>For >500, Deduct</i>	-0.63	
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.22	0.45
			<i>For >500, Deduct</i>	-0.80	
05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.29	0.79
			<i>For >500, Deduct</i>	-1.10	
05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.53	0.91
			<i>For >500, Deduct</i>	-1.42	
05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.77	1.24
			<i>For >500, Deduct</i>	-1.73	
05 15 16 00-0049			6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ^(05 15 16)		
05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.67	0.22
			<i>For >500, Deduct</i>	-0.45	
05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.15	0.22
			<i>For >500, Deduct</i>	-0.51	
05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.68	0.34
			<i>For >500, Deduct</i>	-0.58	
05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	4.95	0.45
			<i>For >500, Deduct</i>	-0.79	
05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.46	0.45
			<i>For >500, Deduct</i>	-0.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.46	0.79
			<i>For >500, Deduct</i>	-1.14	
05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	9.57	0.91
			<i>For >500, Deduct</i>	-1.43	
05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	12.61	1.24
			<i>For >500, Deduct</i>	-1.88	
05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	15.28	1.58
			<i>For >500, Deduct</i>	-2.26	
05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	18.44	1.91
			<i>For >500, Deduct</i>	-2.72	
05 15 16 00-0060			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.74	0.22
			<i>For >500, Deduct</i>	-0.46	
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.33	0.22
			<i>For >500, Deduct</i>	-0.55	
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.93	0.34
			<i>For >500, Deduct</i>	-0.63	
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.50	0.45
			<i>For >500, Deduct</i>	-0.90	
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.55	0.45
			<i>For >500, Deduct</i>	-0.86	
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.64	0.79
			<i>For >500, Deduct</i>	-1.17	
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	10.11	0.91
			<i>For >500, Deduct</i>	-1.54	
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	12.79	1.24
			<i>For >500, Deduct</i>	-1.92	
05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	2.83	0.11
			<i>For >500, Deduct</i>	-0.52	
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.06	0.11
			<i>For >500, Deduct</i>	-0.55	
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.60	0.22
			<i>For >500, Deduct</i>	-0.64	
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	4.84	0.22
			<i>For >500, Deduct</i>	-0.85	
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	5.51	0.22
			<i>For >500, Deduct</i>	-0.98	
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	6.37	0.45
			<i>For >500, Deduct</i>	-1.08	
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	7.58	0.45
			<i>For >500, Deduct</i>	-1.27	
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	10.44	0.67
			<i>For >500, Deduct</i>	-1.74	
05 15 16 00-0078			7x7, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.32	0.08
			<i>For >500, Deduct</i>	-0.04	
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.37	0.09
			<i>For >500, Deduct</i>	-0.05	
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.42	0.10
			<i>For >500, Deduct</i>	-0.05	
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.48	0.11
			<i>For >500, Deduct</i>	-0.06	
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.59	0.11
			<i>For >500, Deduct</i>	-0.08	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 15 16 00-0084		7x19, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>			
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.58		0.10
		<i>For >500, Deduct</i>	-0.08		
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62		0.11
		<i>For >500, Deduct</i>	-0.09		
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.72		0.11
		<i>For >500, Deduct</i>	-0.10		
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.84		0.11
		<i>For >500, Deduct</i>	-0.13		
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.27		0.11
		<i>For >500, Deduct</i>	-0.19		
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.71		0.11
		<i>For >500, Deduct</i>	-0.26		
05 15 16 00-0091		Heavy Duty, Galvanized Steel, Wire Rope Thimbles <small>(05 15 16)</small>			
05 15 16 00-0092	EA	1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.26		3.38
05 15 16 00-0093	EA	5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	16.10		3.38
05 15 16 00-0094	EA	3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	18.14		3.38
05 15 16 00-0095	EA	7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	23.75		3.38
05 15 16 00-0096	EA	1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	23.78		3.38
05 15 16 00-0097	EA	9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	23.78		3.38
05 15 16 00-0098	EA	5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.67		3.38
05 15 16 00-0099	EA	3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	46.75		5.19
05 15 16 00-0100	EA	7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	55.21		6.32
05 15 16 00-0101	EA	1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	98.13		10.37
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	140.73		14.10
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	140.73		14.10
05 15 16 00-0104		Galvanized Steel, Wire Rope Clips <small>(05 15 16)</small>			
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	16.38		3.38
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	16.69		3.38
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	18.86		3.38
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	19.19		3.38
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	19.67		3.38
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	24.31		3.38
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	24.67		3.38
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	28.06		3.38
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	28.55		3.38
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	39.32		4.51
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	59.04		6.77
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	64.63		6.77
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	76.32		9.02
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	110.90		13.54
05 15 16 00-0119		Steel, Open Swage Sockets <small>(05 15 16)</small>			
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	92.39		3.38
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	147.29		3.38
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	151.75		4.51
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	180.48		5.64
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	180.48		5.64
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	264.27		12.41
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	264.27		12.41
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	338.07		23.69
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	455.15		33.84
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	640.96		51.89
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	842.43		81.22
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	980.84		93.63
05 15 16 00-0132		Steel, Closed Swage Sockets <small>(05 15 16)</small>			
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	74.35		3.38
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	100.59		3.38
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	100.59		3.38
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	125.43		4.51
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	126.66		4.51
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	173.90		7.90
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	179.27		9.02
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	221.83		14.66
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	286.89		21.43
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	410.34		29.33
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	508.74		40.61
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	690.07		63.17
05 15 16 00-0145		Galvanized Steel, Open Spelter Sockets <small>(05 15 16)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0146 EA 1/4" Galvanized Steel, Open Spelter Socket	154.61	3.38
05 15 16 00-0147 EA 5/16" Galvanized Steel, Open Spelter Socket	158.65	3.38
05 15 16 00-0148 EA 3/8" Galvanized Steel, Open Spelter Socket	158.65	3.38
05 15 16 00-0149 EA 7/16" Galvanized Steel, Open Spelter Socket	177.34	6.77
05 15 16 00-0150 EA 1/2" Galvanized Steel, Open Spelter Socket	177.34	6.77
05 15 16 00-0151 EA 9/16" Galvanized Steel, Open Spelter Socket	232.68	11.28
05 15 16 00-0152 EA 5/8" Galvanized Steel, Open Spelter Socket	232.68	11.28
05 15 16 00-0153 EA 3/4" Galvanized Steel, Open Spelter Socket	294.77	16.92
05 15 16 00-0154 EA 7/8" Galvanized Steel, Open Spelter Socket	441.09	28.20
05 15 16 00-0155 EA 1" Galvanized Steel, Open Spelter Socket	801.91	43.99
05 15 16 00-0156 EA 1-1/8" Galvanized Steel, Open Spelter Socket	943.33	71.07
05 15 16 00-0157 EA 1-1/4" Galvanized Steel, Open Spelter Socket	1,275.03	93.63

05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)

05 15 16 00-0159 EA 1/4" Galvanized Steel, Closed Spelter Socket	129.65	3.38
05 15 16 00-0160 EA 5/16" Galvanized Steel, Closed Spelter Socket	130.17	3.38
05 15 16 00-0161 EA 3/8" Galvanized Steel, Closed Spelter Socket	130.17	3.38
05 15 16 00-0162 EA 7/16" Galvanized Steel, Closed Spelter Socket	145.94	5.64
05 15 16 00-0163 EA 1/2" Galvanized Steel, Closed Spelter Socket	145.94	5.64
05 15 16 00-0164 EA 9/16" Galvanized Steel, Closed Spelter Socket	204.33	10.15
05 15 16 00-0165 EA 5/8" Galvanized Steel, Closed Spelter Socket	204.33	10.15
05 15 16 00-0166 EA 3/4" Galvanized Steel, Closed Spelter Socket	250.70	14.66
05 15 16 00-0167 EA 7/8" Galvanized Steel, Closed Spelter Socket	366.07	22.56
05 15 16 00-0168 EA 1" Galvanized Steel, Closed Spelter Socket	552.87	34.97
05 15 16 00-0169 EA 1-1/8" Galvanized Steel, Closed Spelter Socket	723.78	47.38
05 15 16 00-0170 EA 1-1/4" Galvanized Steel, Closed Spelter Socket	912.00	63.17

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)

05 15 16 00-0172 EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	89.18	3.38
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.69	
05 15 16 00-0173 EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	95.66	3.38
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.66	
05 15 16 00-0174 EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	107.66	3.38
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-14.46	
05 15 16 00-0175 EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	119.22	4.51
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.04	
05 15 16 00-0176 EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	156.93	5.64
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-20.01	
05 15 16 00-0177 EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	178.28	6.77
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.67	
05 15 16 00-0178 EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	181.34	9.02
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.99	
05 15 16 00-0179 EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	224.46	9.02
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-28.03	
05 15 16 00-0180 EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	254.92	10.15
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-32.19	
05 15 16 00-0181 EA 3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	244.50	12.41
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-29.48	
05 15 16 00-0182 EA 3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	278.23	14.66
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-32.83	
05 15 16 00-0183 EA 3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	343.82	15.79
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-41.90	
05 15 16 00-0184 EA 3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	413.63	19.18
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-50.37	
05 15 16 00-0185 EA 7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	470.33	27.07
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-54.43	
05 15 16 00-0186 EA 7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	570.60	31.59
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-66.79	
05 15 16 00-0187 EA 1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	488.70	27.07
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-57.19	
05 15 16 00-0188 EA 1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	558.74	34.97
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-62.66	
05 15 16 00-0189 EA 1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	766.61	43.99
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-88.96	
05 15 16 00-0190 EA 1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	856.99	51.89
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-97.78	
05 15 16 00-0191 EA 1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	954.36	63.17
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-105.55	
05 15 16 00-0192 EA 1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,152.79	71.07
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-130.62	
05 15 16 00-0193 EA 1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,494.32	81.22
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-175.80	
05 15 16 00-0194 EA 1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,476.74	86.86
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-169.45	
05 15 16 00-0195 EA 1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,623.24	112.80
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-175.80	
05 15 16 00-0196 EA 1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	2,929.24	146.65
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-354.78	
05 15 16 00-0197 EA 2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	4,799.43	282.01
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-550.70	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts** (05 15 16)

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	19.10
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	19.19
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	21.63
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	25.84
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	25.72
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	35.18
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	42.26
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	57.12
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	76.63
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	111.54
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	132.71
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	241.28
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	276.74
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	342.28

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.13
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	22.67
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.77
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.64
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.88
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	42.05
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	40.77
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	38.74
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	34.72
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	35.85
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	31.68
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.25
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	32.90
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	44.95
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	34.12
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	54.93
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	48.35
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	44.11
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	51.89
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	52.66
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.88
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	59.00
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	67.65
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	78.03
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	64.45
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	64.41
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	65.70
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	72.64
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	78.35
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	91.57
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	121.27

05 15 19 Stainless Steel Wire Rope Assemblies (05 15 19)**05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable** (05 15 19)

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.27	0.08
		<i>For >500, Deduct</i>	-0.03	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.35	0.09
		<i>For >500, Deduct</i>	-0.04	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.45	0.10
		<i>For >500, Deduct</i>	-0.06	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.57	0.11
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.72	0.11
		<i>For >500, Deduct</i>	-0.10	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.51	0.10
		<i>For >500, Deduct</i>	-0.07	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.58	0.11
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.68	0.11
		<i>For >500, Deduct</i>	-0.09	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.85	0.11
		<i>For >500, Deduct</i>	-0.13	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.29	0.11
		<i>For >500, Deduct</i>	-0.20	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.93	0.22
		<i>For >500, Deduct</i>	-0.30	



Metals	05	05
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0015	LF 1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.27		0.08
	<i>For >500, Deduct</i>	-0.03		
05 15 19 00-0016	LF 3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.35		0.09
	<i>For >500, Deduct</i>	-0.04		
05 15 19 00-0017	LF 1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.45		0.10
	<i>For >500, Deduct</i>	-0.06		
05 15 19 00-0018	LF 5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.57		0.11
	<i>For >500, Deduct</i>	-0.08		
05 15 19 00-0019	LF 3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.72		0.11
	<i>For >500, Deduct</i>	-0.10		

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0021	LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.51		0.10
	<i>For >500, Deduct</i>	-0.07		
05 15 19 00-0022	LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.58		0.11
	<i>For >500, Deduct</i>	-0.08		
05 15 19 00-0023	LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.68		0.11
	<i>For >500, Deduct</i>	-0.09		
05 15 19 00-0024	LF 1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.85		0.11
	<i>For >500, Deduct</i>	-0.13		
05 15 19 00-0025	LF 5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.29		0.11
	<i>For >500, Deduct</i>	-0.20		
05 15 19 00-0026	LF 3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.93		0.11
	<i>For >500, Deduct</i>	-0.30		

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)

05 21 19 Open Web Steel Joist Framing (05 21)

05 21 19 00-0001	TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,681.84		194.90
	<i>For Welded Cross Bridging, Add</i>	243.62		
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	224.37		
05 21 19 00-0002	TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging.....	2,458.05		182.71
	<i>For Welded Cross Bridging, Add</i>	216.55		
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	208.35		
05 21 19 00-0003	TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,949.99		182.71
	<i>For Welded Cross Bridging, Add</i>	224.87		
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	264.05		
05 21 19 00-0004	TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging.....	3,341.17		182.71
	<i>For Welded Cross Bridging, Add</i>	224.87		
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	310.99		
05 21 19 00-0005	TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,963.56		182.71
	<i>For Welded Cross Bridging, Add</i>	243.62		
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	258.18		
05 21 19 00-0006	TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging.....	3,683.46		182.71
	<i>For Welded Cross Bridging, Add</i>	224.87		
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	352.07		

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking (05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck (05 31 13)

05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.19		0.51
	<i>For Painted, Deduct</i>	-0.13		
	<i>For Perforated Or Slotted, Add</i>	0.13		
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.85		
	<i>For Up To 100, Add</i>	0.90		
	<i>For >100 To 500, Add</i>	0.51		
	<i>For >500 To 1,500, Add</i>	0.16		
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.63		0.59
	<i>For Painted, Deduct</i>	-0.14		
	<i>For Perforated Or Slotted, Add</i>	0.14		
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.96		
	<i>For Up To 100, Add</i>	1.03		
	<i>For >100 To 500, Add</i>	0.59		
	<i>For >500 To 1,500, Add</i>	0.19		

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0004 SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.56	0.72
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Site Installed Insulation Between Ribs, Add	1.21	
For Up To 100, Add	1.28	
For >100 To 500, Add	0.73	
For >500 To 1,500, Add	0.23	
05 31 13 00-0005 SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.49	0.57
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Site Installed Insulation Between Ribs, Add	0.93	
For Up To 100, Add	0.99	
For >100 To 500, Add	0.56	
For >500 To 1,500, Add	0.18	
05 31 13 00-0006 SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.02	0.66
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Site Installed Insulation Between Ribs, Add	1.07	
For Up To 100, Add	1.14	
For >100 To 500, Add	0.65	
For >500 To 1,500, Add	0.21	
05 31 13 00-0007 SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.05	0.80
For Painted, Deduct	-0.20	
For Perforated Or Slotted, Add	0.20	
For Site Installed Insulation Between Ribs, Add	1.34	
For Up To 100, Add	1.41	
For >100 To 500, Add	0.81	
For >500 To 1,500, Add	0.25	
05 31 13 00-0008 SF 2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.95	0.61
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Site Installed Insulation Between Ribs, Add	1.04	
For Up To 100, Add	1.07	
For >100 To 500, Add	0.62	
For >500 To 1,500, Add	0.19	
05 31 13 00-0009 SF 2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.59	0.70
For Painted, Deduct	-0.19	
For Perforated Or Slotted, Add	0.19	
For Site Installed Insulation Between Ribs, Add	1.21	
For Up To 100, Add	1.23	
For >100 To 500, Add	0.72	
For >500 To 1,500, Add	0.22	
05 31 13 00-0010 SF 2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.66	0.78
For Painted, Deduct	-0.23	
For Perforated Or Slotted, Add	0.23	
For Site Installed Insulation Between Ribs, Add	1.49	
For Up To 100, Add	1.45	
For >100 To 500, Add	0.86	
For >500 To 1,500, Add	0.25	
05 31 13 00-0011 SF 2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.10	0.85
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Site Installed Insulation Between Ribs, Add	1.85	
For Up To 100, Add	1.66	
For >100 To 500, Add	1.03	
For >500 To 1,500, Add	0.27	
05 31 13 00-0012 SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.41	0.64
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Site Installed Insulation Between Ribs, Add	1.16	
For Up To 100, Add	1.15	
For >100 To 500, Add	0.68	
For >500 To 1,500, Add	0.20	
05 31 13 00-0013 SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.17	0.72
For Painted, Deduct	-0.21	
For Perforated Or Slotted, Add	0.21	
For Site Installed Insulation Between Ribs, Add	1.36	
For Up To 100, Add	1.34	
For >100 To 500, Add	0.79	
For >500 To 1,500, Add	0.23	
05 31 13 00-0014 SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.43	0.89
For Painted, Deduct	-0.27	
For Perforated Or Slotted, Add	0.27	
For Site Installed Insulation Between Ribs, Add	1.69	
For Up To 100, Add	1.65	
For >100 To 500, Add	0.98	
For >500 To 1,500, Add	0.28	
05 31 13 00-0015 SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	8.09	1.08
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Site Installed Insulation Between Ribs, Add	2.12	
For Up To 100, Add	2.02	
For >100 To 500, Add	1.21	
For >500 To 1,500, Add	0.34	



Metals	05	05
Metal Decking	05 30	
Steel Decking	05 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0016	SF		4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	11.68	
			<i>For Painted, Deduct</i>	-0.54	
			<i>For Perforated Or Slotted, Add</i>	0.54	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.99	
			<i>For Up To 100, Add</i>	2.05	
			<i>For >100 To 500, Add</i>	1.46	
			<i>For >500 To 1,500, Add</i>	0.25	
05 31 13 00-0017	SF		4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	14.73	0.89
			<i>For Painted, Deduct</i>	-0.68	
			<i>For Perforated Or Slotted, Add</i>	0.68	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.77	
			<i>For Up To 100, Add</i>	2.48	
			<i>For >100 To 500, Add</i>	1.81	
			<i>For >500 To 1,500, Add</i>	0.28	
05 31 13 00-0018	SF		6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	13.68	0.89
			<i>For Painted, Deduct</i>	-0.63	
			<i>For Perforated Or Slotted, Add</i>	0.63	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.50	
			<i>For Up To 100, Add</i>	2.38	
			<i>For >100 To 500, Add</i>	1.70	
			<i>For >500 To 1,500, Add</i>	0.28	
05 31 13 00-0019	SF		6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.34	1.08
			<i>For Painted, Deduct</i>	-0.65	
			<i>For Perforated Or Slotted, Add</i>	0.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.69	
			<i>For Up To 100, Add</i>	2.65	
			<i>For >100 To 500, Add</i>	1.84	
			<i>For >500 To 1,500, Add</i>	0.34	
05 31 13 00-0020	SF		6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	17.91	1.31
			<i>For Painted, Deduct</i>	-0.81	
			<i>For Perforated Or Slotted, Add</i>	0.81	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.60	
			<i>For Up To 100, Add</i>	3.28	
			<i>For >100 To 500, Add</i>	2.29	
			<i>For >500 To 1,500, Add</i>	0.41	
05 31 13 00-0021	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	15.85	1.19
			<i>For Painted, Deduct</i>	-0.72	
			<i>For Perforated Or Slotted, Add</i>	0.72	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.07	
			<i>For Up To 100, Add</i>	2.92	
			<i>For >100 To 500, Add</i>	2.03	
			<i>For >500 To 1,500, Add</i>	0.37	
05 31 13 00-0022	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	19.75	1.44
			<i>For Painted, Deduct</i>	-0.90	
			<i>For Perforated Or Slotted, Add</i>	0.90	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.07	
			<i>For Up To 100, Add</i>	3.60	
			<i>For >100 To 500, Add</i>	2.52	
			<i>For >500 To 1,500, Add</i>	0.45	
05 31 13 00-0023			Cellular Galvanized Steel Deck <small>(05 31 13)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	10.48	0.92
			<i>For Painted, Deduct</i>	-0.47	
			<i>For Perforated Or Slotted, Add</i>	0.47	
			<i>For Insulated Cells, Add</i>	2.10	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.70	
			<i>For Up To 100, Add</i>	2.07	
			<i>For >100 To 500, Add</i>	1.39	
			<i>For >500 To 1,500, Add</i>	0.29	
05 31 13 00-0025	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	11.41	1.21
			<i>For Painted, Deduct</i>	-0.49	
			<i>For Perforated Or Slotted, Add</i>	0.49	
			<i>For Insulated Cells, Add</i>	2.23	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.96	
			<i>For Up To 100, Add</i>	2.51	
			<i>For >100 To 500, Add</i>	1.60	
			<i>For >500 To 1,500, Add</i>	0.38	
05 31 13 00-0026	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	12.85	0.96
			<i>For Painted, Deduct</i>	-0.58	
			<i>For Perforated Or Slotted, Add</i>	0.58	
			<i>For Insulated Cells, Add</i>	2.62	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.30	
			<i>For Up To 100, Add</i>	2.36	
			<i>For >100 To 500, Add</i>	1.64	
			<i>For >500 To 1,500, Add</i>	0.30	
05 31 13 00-0027	SF		1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.93	1.27
			<i>For Painted, Deduct</i>	-0.62	
			<i>For Perforated Or Slotted, Add</i>	0.62	
			<i>For Insulated Cells, Add</i>	2.77	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.60	
			<i>For Up To 100, Add</i>	2.83	
			<i>For >100 To 500, Add</i>	1.87	
			<i>For >500 To 1,500, Add</i>	0.40	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0028 SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	14.72	1.17
For Painted, Deduct	-0.66	
For Perforated Or Slotted, Add	0.66	
For Insulated Cells, Add	2.99	
For Site Installed Insulation Between Ribs, Add	3.79	
For Up To 100, Add	2.76	
For >100 To 500, Add	1.90	
For >500 To 1,500, Add	0.36	
05 31 13 00-0029 SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	17.60	1.34
For Painted, Deduct	-0.80	
For Perforated Or Slotted, Add	0.80	
For Insulated Cells, Add	3.58	
For Site Installed Insulation Between Ribs, Add	4.52	
For Up To 100, Add	3.26	
For >100 To 500, Add	2.26	
For >500 To 1,500, Add	0.42	
05 31 13 00-0030 SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	19.73	1.44
For Painted, Deduct	-0.90	
For Perforated Or Slotted, Add	0.90	
For Insulated Cells, Add	4.03	
For Site Installed Insulation Between Ribs, Add	5.07	
For Up To 100, Add	3.59	
For >100 To 500, Add	2.51	
For >500 To 1,500, Add	0.45	
05 31 13 00-0031 SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	21.33	1.55
For Painted, Deduct	-0.97	
For Perforated Or Slotted, Add	0.97	
For Insulated Cells, Add	4.37	
For Site Installed Insulation Between Ribs, Add	5.48	
For Up To 100, Add	3.87	
For >100 To 500, Add	2.71	
For >500 To 1,500, Add	0.48	
05 31 13 00-0032 SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	22.83	1.17
For Painted, Deduct	-1.07	
For Perforated Or Slotted, Add	1.07	
For Insulated Cells, Add	4.81	
For Site Installed Insulation Between Ribs, Add	5.82	
For Up To 100, Add	3.60	
For >100 To 500, Add	2.72	
For >500 To 1,500, Add	0.37	
05 31 13 00-0033 SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	24.28	1.36
For Painted, Deduct	-1.13	
For Perforated Or Slotted, Add	1.13	
For Insulated Cells, Add	5.08	
For Site Installed Insulation Between Ribs, Add	6.20	
For Up To 100, Add	3.96	
For >100 To 500, Add	2.94	
For >500 To 1,500, Add	0.43	
05 31 13 00-0034 SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	25.66	1.46
For Painted, Deduct	-1.19	
For Perforated Or Slotted, Add	1.19	
For Insulated Cells, Add	5.36	
For Site Installed Insulation Between Ribs, Add	6.55	
For Up To 100, Add	4.21	
For >100 To 500, Add	3.12	
For >500 To 1,500, Add	0.46	
05 31 13 00-0035 SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.36	1.57
For Painted, Deduct	-1.27	
For Perforated Or Slotted, Add	1.27	
For Insulated Cells, Add	5.72	
For Site Installed Insulation Between Ribs, Add	6.99	
For Up To 100, Add	4.50	
For >100 To 500, Add	3.32	
For >500 To 1,500, Add	0.49	

05 31 23 Steel Roof Decking (05 31)

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)

05 31 33 00-0002 SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.89	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.15	
For >100 To 500, Add	0.58	
For >500 To 1,500, Add	0.24	
05 31 33 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.07	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.22	
For >100 To 500, Add	0.61	
For >500 To 1,500, Add	0.25	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0004 SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.40	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	1.39	
For >100 To 500, Add	0.69	
For >500 To 1,500, Add	0.29	
05 31 33 00-0005 SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.67	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.56	
For >100 To 500, Add	0.76	
For >500 To 1,500, Add	0.33	
05 31 33 00-0006 SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.47	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.26	
For >100 To 500, Add	0.65	
For >500 To 1,500, Add	0.25	
05 31 33 00-0007 SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.64	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Up To 100, Add	1.32	
For >100 To 500, Add	0.68	
For >500 To 1,500, Add	0.27	
05 31 33 00-0008 SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.84	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Up To 100, Add	1.44	
For >100 To 500, Add	0.74	
For >500 To 1,500, Add	0.29	
05 31 33 00-0009 SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.09	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.81	
For >500 To 1,500, Add	0.33	
05 31 33 00-0010 SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.32	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Up To 100, Add	1.67	
For >100 To 500, Add	0.85	
For >500 To 1,500, Add	0.35	
05 31 33 00-0011 SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.71	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Up To 100, Add	1.76	
For >100 To 500, Add	0.90	
For >500 To 1,500, Add	0.36	
05 31 33 00-0012 SF 1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.40	
For Painted, Deduct	-0.19	
For Perforated Or Slotted, Add	0.19	
For Up To 100, Add	1.93	
For >100 To 500, Add	1.00	
For >500 To 1,500, Add	0.39	
05 31 33 00-0013 SF 1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.98	
For Painted, Deduct	-0.21	
For Perforated Or Slotted, Add	0.21	
For Up To 100, Add	2.17	
For >100 To 500, Add	1.12	
For >500 To 1,500, Add	0.44	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002 SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.36	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Up To 100, Add	1.68	
For >100 To 500, Add	0.85	
For >500 To 1,500, Add	0.35	
05 36 00 00-0003 SF 1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.66	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Up To 100, Add	1.85	
For >100 To 500, Add	0.93	
For >500 To 1,500, Add	0.39	
05 36 00 00-0004 SF 1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.21	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	2.24	
For >100 To 500, Add	1.09	
For >500 To 1,500, Add	0.48	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.69	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.62	
			<i>For >100 To 500, Add</i>	1.25	
			<i>For >500 To 1,500, Add</i>	0.57	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.66	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.85	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >500 To 1,500, Add</i>	0.39	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.04	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.03	
			<i>For >100 To 500, Add</i>	1.01	
			<i>For >500 To 1,500, Add</i>	0.43	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.59	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.42	
			<i>For >100 To 500, Add</i>	1.18	
			<i>For >500 To 1,500, Add</i>	0.52	
05 36 00 00-0009	SF		2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.10	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.81	
			<i>For >100 To 500, Add</i>	1.34	
			<i>For >500 To 1,500, Add</i>	0.61	
05 36 00 00-0010	SF		3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.90	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.93	
			<i>For >100 To 500, Add</i>	0.97	
			<i>For >500 To 1,500, Add</i>	0.40	
05 36 00 00-0011	SF		3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.25	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.15	
			<i>For >100 To 500, Add</i>	1.07	
			<i>For >500 To 1,500, Add</i>	0.45	
05 36 00 00-0012	SF		3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.89	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.60	
			<i>For >100 To 500, Add</i>	1.26	
			<i>For >500 To 1,500, Add</i>	0.56	
05 36 00 00-0013	SF		3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.57	
			<i>For Painted, Deduct</i>	-0.20	
			<i>For Perforated Or Slotted, Add</i>	0.20	
			<i>For Up To 100, Add</i>	3.04	
			<i>For >100 To 500, Add</i>	1.45	
			<i>For >500 To 1,500, Add</i>	0.66	
05 36 00 00-0014			Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
			Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF		1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.99	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.24	
			<i>For Up To 100, Add</i>	3.04	
			<i>For >100 To 500, Add</i>	1.55	
			<i>For >500 To 1,500, Add</i>	0.62	
05 36 00 00-0016	SF		1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.54	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.30	
			<i>For Up To 100, Add</i>	3.34	
			<i>For >100 To 500, Add</i>	1.68	
			<i>For >500 To 1,500, Add</i>	0.69	
05 36 00 00-0017	SF		1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.65	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.30	
			<i>For Up To 100, Add</i>	3.45	
			<i>For >100 To 500, Add</i>	1.73	
			<i>For >500 To 1,500, Add</i>	0.72	



Metals	05	05
Metal Decking	05 30	
Composite Metal Decking	05 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0018 SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.18	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.35	
For Up To 100, Add	3.78	
For >100 To 500, Add	1.87	
For >500 To 1,500, Add	0.80	
05 36 00 00-0019 SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.84	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.44	
For Up To 100, Add	4.09	
For >100 To 500, Add	2.02	
For >500 To 1,500, Add	0.86	
05 36 00 00-0020 SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.95	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.44	
For Up To 100, Add	4.20	
For >100 To 500, Add	2.06	
For >500 To 1,500, Add	0.89	
05 36 00 00-0021 SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.48	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.49	
For Up To 100, Add	4.53	
For >100 To 500, Add	2.21	
For >500 To 1,500, Add	0.97	
05 36 00 00-0022 SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.25	
For Painted, Deduct	-0.28	
For Perforated Or Slotted, Add	0.28	
For Insulated Cells, Add	1.26	
For Up To 100, Add	3.21	
For >100 To 500, Add	1.62	
For >500 To 1,500, Add	0.66	
05 36 00 00-0023 SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.72	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.32	
For Up To 100, Add	3.46	
For >100 To 500, Add	1.73	
For >500 To 1,500, Add	0.72	
05 36 00 00-0024 SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.82	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.32	
For Up To 100, Add	3.56	
For >100 To 500, Add	1.77	
For >500 To 1,500, Add	0.74	
05 36 00 00-0025 SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.48	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.39	
For Up To 100, Add	3.92	
For >100 To 500, Add	1.94	
For >500 To 1,500, Add	0.83	
05 36 00 00-0026 SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.02	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.45	
For Up To 100, Add	4.21	
For >100 To 500, Add	2.07	
For >500 To 1,500, Add	0.89	
05 36 00 00-0027 SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.17	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.45	
For Up To 100, Add	4.36	
For >100 To 500, Add	2.13	
For >500 To 1,500, Add	0.93	
05 36 00 00-0028 SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.73	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.52	
For Up To 100, Add	4.66	
For >100 To 500, Add	2.27	
For >500 To 1,500, Add	1.00	
05 36 00 00-0029 SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.29	
For Painted, Deduct	-0.28	
For Perforated Or Slotted, Add	0.28	
For Insulated Cells, Add	1.27	
For Up To 100, Add	3.21	
For >100 To 500, Add	1.62	
For >500 To 1,500, Add	0.66	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.77	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.32	
For Up To 100, Add	3.51	
For >100 To 500, Add	1.75	
For >500 To 1,500, Add	0.73	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.93	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.32	
For Up To 100, Add	3.67	
For >100 To 500, Add	1.82	
For >500 To 1,500, Add	0.77	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.56	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.40	
For Up To 100, Add	3.97	
For >100 To 500, Add	1.96	
For >500 To 1,500, Add	0.84	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.18	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.48	
For Up To 100, Add	4.27	
For >100 To 500, Add	2.10	
For >500 To 1,500, Add	0.90	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.39	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.48	
For Up To 100, Add	4.48	
For >100 To 500, Add	2.19	
For >500 To 1,500, Add	0.96	
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.84	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.52	
For Up To 100, Add	4.77	
For >100 To 500, Add	2.31	
For >500 To 1,500, Add	1.02	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)

05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.13	
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.04	
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.19	
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	3.61	
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.75	
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.49	
05 36 00 00-0043 SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.56	
05 36 00 00-0044 SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	3.93	
05 36 00 00-0045 SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	7.78	
05 36 00 00-0046 SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.23	
05 36 00 00-0047 SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.23	
05 36 00 00-0048 SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.73	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.80	1.08
For Walls >10' High, Add	0.96	
For Curved Wall, Add	0.75	
For Up To 200, Add	1.46	
For >200 To 500, Add	0.73	
For 12" On Center, Add	0.84	
For 24" On Center, Deduct	-0.84	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.32	1.08
For Walls >10' High, Add	1.06	
For Curved Wall, Add	0.79	
For Up To 200, Add	1.59	
For >200 To 500, Add	0.80	
For 12" On Center, Add	0.93	
For 24" On Center, Deduct	-0.93	



Metals	05	05
Cold-Formed Metal Framing	05 40	
Structural Metal Stud Framing	05 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.55	1.08
For Walls >10' High, Add	1.11	
For Curved Wall, Add	0.82	
For Up To 200, Add	1.66	
For >200 To 500, Add	0.83	
For 12" On Center, Add	0.97	
For 24" On Center, Deduct	-0.97	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.90	1.20
For Walls >10' High, Add	1.38	
For Curved Wall, Add	0.86	
For Up To 200, Add	1.95	
For >200 To 500, Add	0.98	
For 12" On Center, Add	1.24	
For 24" On Center, Deduct	-1.24	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.64	1.31
For Walls >10' High, Add	1.53	
For Curved Wall, Add	0.89	
For Up To 200, Add	2.12	
For >200 To 500, Add	1.06	
For 12" On Center, Add	1.38	
For 24" On Center, Deduct	-1.38	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)		
05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.14	1.08
For Walls >10' High, Add	1.03	
For Curved Wall, Add	0.79	
For Up To 200, Add	1.55	
For >200 To 500, Add	0.78	
For 12" On Center, Add	0.90	
For 24" On Center, Deduct	-0.90	
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.87	1.09
For Walls >10' High, Add	1.17	
For Curved Wall, Add	0.83	
For Up To 200, Add	1.73	
For >200 To 500, Add	0.86	
For 12" On Center, Add	1.04	
For 24" On Center, Deduct	-1.04	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.19	1.09
For Walls >10' High, Add	1.24	
For Curved Wall, Add	0.86	
For Up To 200, Add	1.81	
For >200 To 500, Add	0.91	
For 12" On Center, Add	1.09	
For 24" On Center, Deduct	-1.09	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.67	1.31
For Walls >10' High, Add	1.53	
For Curved Wall, Add	0.90	
For Up To 200, Add	2.14	
For >200 To 500, Add	1.07	
For 12" On Center, Add	1.38	
For 24" On Center, Deduct	-1.38	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.41	1.43
For Walls >10' High, Add	1.68	
For Curved Wall, Add	0.95	
For Up To 200, Add	2.31	
For >200 To 500, Add	1.16	
For 12" On Center, Add	1.52	
For 24" On Center, Deduct	-1.52	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)		
05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.99	1.49
For Walls >10' High, Add	1.40	
For Curved Wall, Add	1.00	
For Up To 200, Add	2.06	
For >200 To 500, Add	1.03	
For 12" On Center, Add	1.23	
For 24" On Center, Deduct	-1.23	
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.18	1.52
For Walls >10' High, Add	1.44	
For Curved Wall, Add	1.01	
For Up To 200, Add	2.11	
For >200 To 500, Add	1.06	
For 12" On Center, Add	1.27	
For 24" On Center, Deduct	-1.27	
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.82	1.60
For Walls >10' High, Add	1.76	
For Curved Wall, Add	1.06	
For Up To 200, Add	2.47	
For >200 To 500, Add	1.24	
For 12" On Center, Add	1.59	
For 24" On Center, Deduct	-1.59	

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0017	SF		8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.65	1.67
			<i>For Walls >10' High, Add</i>	1.93	
			<i>For Curved Wall, Add</i>	1.11	
			<i>For Up To 200, Add</i>	2.67	
			<i>For >200 To 500, Add</i>	1.34	
			<i>For 12" On Center, Add</i>	1.74	
			<i>For 24" On Center, Deduct</i>	-1.74	

05 42 Cold-Formed Metal Joist Framing (05 40)**05 42 13 Cold-Formed Metal Floor Joist Framing** (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge (05 42 13)

05 42 13 00-0002	LF		5-1/2" - 20 Gauge Steel Joists	9.80	2.56
05 42 13 00-0003	LF		6" - 20 Gauge Steel Joists	10.81	3.22
05 42 13 00-0004	LF		7-1/4" - 20 Gauge Steel Joists	11.67	3.53
05 42 13 00-0005	LF		8" - 20 Gauge Steel Joists	13.02	3.76

05 42 13 00-0006 Steel Joists, 18 Gauge (05 42 13)

05 42 13 00-0007	LF		5-1/2" - 18 Gauge Steel Joists	10.90	2.84
05 42 13 00-0008	LF		6" - 18 Gauge Steel Joists	12.04	3.58
05 42 13 00-0009	LF		7-1/4" - 18 Gauge Steel Joists	13.04	3.92
05 42 13 00-0010	LF		8" - 18 Gauge Steel Joists	13.47	4.17

05 42 13 00-0011 Steel Joists, 16 Gauge (05 42 13)

05 42 13 00-0012	LF		7-1/4" - 16 Gauge Steel Joists	14.00	3.96
05 42 13 00-0013	LF		8" - 16 Gauge Steel Joists	14.79	4.17

05 42 13 00-0014 Steel Joists, 14 Gauge (05 42 13)

05 42 13 00-0015	LF		9-1/4" - 14 Gauge Steel Joists	16.52	4.17
05 42 13 00-0016	LF		11-1/2" - 14 Gauge Steel Joists	17.89	4.40

05 42 13 00-0017 Steel Joists, 12 Gauge (05 42 13)

05 42 13 00-0018	LF		9-1/4" - 12 Gauge Steel Joists	19.52	4.58
05 42 13 00-0019	LF		11-1/2" - 12 Gauge Steel Joists	21.29	4.83

05 42 13 00-0020 Steel Joists, 10 Gauge (05 42 13)

05 42 13 00-0021	LF		9-1/4" - 10 Gauge Steel Joists	22.59	5.05
05 42 13 00-0022	LF		11-1/2" - 10 Gauge Steel Joists	24.74	5.32

05 42 13 00-0023 Steel Joists, 8 Gauge (05 42 13)

05 42 13 00-0024	LF		9-1/4" - 8 Gauge Steel Joists	25.73	5.56
05 42 13 00-0025	LF		11-1/2" - 8 Gauge Steel Joists	28.25	5.85

05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)**05 43 00 00-0001 Unistrut Channel** (05 43)

Note: Excludes fasteners and accessories.

05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)

05 43 00 00-0003	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.52	2.55
			<i>For Galvanizing, Add</i>	1.43	
			<i>For Powder Coating, Add</i>	1.26	
05 43 00 00-0004	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.93	2.55
			<i>For Galvanizing, Add</i>	1.50	
			<i>For Powder Coating, Add</i>	1.33	
05 43 00 00-0005	LF		1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.56	2.55
			<i>For Galvanizing, Add</i>	1.61	
			<i>For Powder Coating, Add</i>	1.42	
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.70	2.55
			<i>For Galvanizing, Add</i>	1.29	
			<i>For Powder Coating, Add</i>	1.14	
05 43 00 00-0007	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	10.91	2.55
			<i>For Galvanizing, Add</i>	0.99	
			<i>For Powder Coating, Add</i>	0.87	

05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)**05 43 00 00-0009 304 Stainless Steel Unistrut Channel** (05 43 00 00-0008)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	35.43	2.55
	05 43 00 00-0011	LF		1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	42.84	2.55
	05 43 00 00-0012	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	41.00	2.55
	05 43 00 00-0013	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	52.45	2.55
	05 43 00 00-0014			316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
	05 43 00 00-0015	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	59.47	2.55
	05 43 00 00-0016			Unistrut Closure Strips (05 43)		
	05 43 00 00-0017	LF		Steel Raceway Closure Strip For Unistrut Channel.....	7.47	0.56
	05 43 00 00-0018			Lock Nuts With Spring For Unistrut Channel (05 43)		
				Note: Includes hex bolt.		
	05 43 00 00-0019			Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
				Note: Includes hex bolt.		
	05 43 00 00-0020	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	8.09	
	05 43 00 00-0021	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	8.96	
	05 43 00 00-0022	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	9.62	
	05 43 00 00-0023	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	13.14	
	05 43 00 00-0024			Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
				Note: Includes hex bolt.		
	05 43 00 00-0025	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	19.57	
	05 43 00 00-0026	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	20.92	
	05 43 00 00-0027	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	30.25	
	05 43 00 00-0028	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	52.83	
	05 43 00 00-0029			Lock Nuts Without Spring For Unistrut Channel (05 43)		
				Note: Includes hex bolt.		
	05 43 00 00-0030			Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
				Note: Includes hex bolt.		
	05 43 00 00-0031	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	8.12	
	05 43 00 00-0032	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	9.08	
	05 43 00 00-0033	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	9.67	
	05 43 00 00-0034	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	14.15	
	05 43 00 00-0035			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
				Note: Includes hex bolt.		
	05 43 00 00-0036	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.59	
	05 43 00 00-0037	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	16.70	
	05 43 00 00-0038	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	18.34	
	05 43 00 00-0039	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	51.42	
	05 43 00 00-0040			Beam Clamp For Unistrut Channel (05 43)		
	05 43 00 00-0041	EA		1-5/8" Channel, P2675 Unistrut Beam Clamp.....	24.24	8.46
	05 43 00 00-0042	EA		1-5/8" Channel, P2676 Unistrut Beam Clamp.....	31.06	8.46
	05 43 00 00-0043	EA		Add For Unistrut Swivel Nut, P2676.....	3.71	
	05 43 00 00-0044			Beam Clamp Clevis Hangers For Unistrut Channel (05 43)		
	05 43 00 00-0045	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	26.61	8.46
	05 43 00 00-0046	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	32.03	8.46
	05 43 00 00-0047	EA		Add For Unistrut Swivel Nut.....	3.71	
	05 43 00 00-0048	EA		6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut.....	179.34	11.28
	05 43 00 00-0049			Pipe And Rigid Conduit Clamps (05 43)		
	05 43 00 00-0050			Pipe And Rigid Conduit Clamps (05 43 00 00-0049)		
				Note: Includes stainless steel (316) hardware.		
	05 43 00 00-0051	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.19	2.93
	05 43 00 00-0052	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.33	2.93
	05 43 00 00-0053	PR		1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	9.77	3.54
	05 43 00 00-0054	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.37	3.85
	05 43 00 00-0055	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	12.82	4.31
	05 43 00 00-0056	PR		2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	12.82	4.31
	05 43 00 00-0057	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	20.04	7.23
	05 43 00 00-0058	PR		3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	20.33	7.23
	05 43 00 00-0059	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	21.87	7.99
	05 43 00 00-0060	PR		4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	24.12	8.62

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0061 Pipe And Rigid Conduit Clamps <small>(05 43 00 00-0049)</small> Note: Includes nylon hardware.		
05 43 00 00-0062 PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	12.14	2.93
05 43 00 00-0063 PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	12.52	2.93
05 43 00 00-0064 PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	13.96	3.54
05 43 00 00-0065 PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	14.71	3.85
05 43 00 00-0066 PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	19.61	4.31
05 43 00 00-0067 PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	19.61	4.31
05 43 00 00-0068 PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	29.20	7.23
05 43 00 00-0069 PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	29.96	7.23
05 43 00 00-0070 PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	31.66	7.99
05 43 00 00-0071 PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	35.25	8.62
05 43 00 00-0072 Accessories For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0073 EA Trolley Truck Hanger, 1-5/8" Channel P1834.....	59.12	8.46
05 43 00 00-0074 EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064.....	14.80	5.64
05 43 00 00-0075 EA 60 Degree Angle, 1-5/8" Channel P2097.....	15.50	5.64
05 43 00 00-0076 Bases For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0077 Steel Bases For Unistrut Channel <small>(05 43 00 00-0076)</small> Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0078 EA 6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel.....	116.10	28.20
05 43 00 00-0079 EA 6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel.....	117.66	28.20
05 43 00 00-0080 EA 6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel.....	167.64	28.20
05 43 00 00-0081 EA 6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel.....	138.58	28.20
05 43 00 00-0082 Stainless Steel Bases For Unistrut Channel <small>(05 43 00 00-0076)</small> Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0083 EA 6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	232.04	28.20
05 43 00 00-0084 EA 6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	419.32	28.20
05 43 00 00-0085 EA 6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel.....	321.11	28.20
05 43 00 00-0086 EA 6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel.....	472.43	28.20
05 43 00 00-0087 EA 6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel.....	417.97	28.20
05 45 Metal Support Assemblies <small>(05 40)</small>		
05 45 13 Mechanical Metal Supports <small>(05 45)</small> See CSI section 23 05 29 00-0000 for metal supports.		
05 45 16 Electrical Metal Supports <small>(05 45)</small> See CSI section 26 05 29 00-0000 for metal supports.		
05 50 Metal Fabrications <small>(05)</small>		
05 51 Metal Stairs <small>(05 50)</small>		
05 51 13 Metal Pan Stairs <small>(05 51)</small> Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing <small>(05 51 13)</small> Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,067.76	32.97
For Closed Riser, Add	123.61	
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,213.11	38.46
For Closed Riser, Add	140.30	
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,350.79	45.05
For Closed Riser, Add	155.91	
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing.....	85.74	5.50
Note: Conventional shape.		
05 51 19 Metal Grating Stairs <small>(05 51)</small> Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing <small>(05 51 19)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair.....	515.78	43.95
For Closed Riser, Add	62.22	
For Galvanized Steel, Add	106.97	
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair.....	549.33	50.55
For Closed Riser, Add	65.85	
For Galvanized Steel, Add	112.06	
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair.....	607.66	59.33
For Closed Riser, Add	72.47	
For Galvanized Steel, Add	122.25	
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail.....	95.32	5.50
Note: Conventional shape.		
For Galvanized Steel, Add	18.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

05 51 33 Metal Ladders (05 51)
Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF 20" Wide Vertical Steel Ladder Primed.....	92.58	13.18
	For Galvanized Steel, Add	12.81	
	For Aluminum, Add	25.61	
05 51 33 13-0003	VLF 24" Wide Vertical Steel Ladder Primed.....	105.56	13.18
	For Galvanized Steel, Add	16.05	
	For Aluminum, Add	32.10	
05 51 33 13-0004	VLF 20" Wide Vertical Steel Caged Ladder Primed	218.84	21.97
	For Galvanized Steel, Add	37.20	
	For Aluminum, Add	74.40	
05 51 33 13-0005	VLF 24" Wide Vertical Steel Caged Ladder Primed	244.80	21.97
	For Galvanized Steel, Add	43.69	
	For Aluminum, Add	87.38	

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51 33 13-0007	EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	366.11	41.21
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	70.93	
	For Aluminum, Add	141.85	
05 51 33 13-0008	EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	400.81	43.95
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	78.23	
	For Aluminum, Add	156.45	
05 51 33 13-0009	EA Security Cage Entry Gate With Lockable Hasp	548.97	13.74
05 51 33 13-0010	EA 6' Powder Coated, Security Ladder Guard	1,172.37	82.41
05 51 33 13-0011	EA 8' Powder Coated, Security Ladder Guard	1,402.18	96.15
05 51 33 13-0012	EA Safety Chain Attachment.....	213.88	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0014	EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,173.63	164.82
05 51 33 13-0016	EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,361.58	170.32
05 51 33 13-0017	EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,511.06	175.82
05 51 33 13-0018	EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,670.79	181.30
05 51 33 13-0019	EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,763.84	186.80
05 51 33 13-0020	EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,915.90	192.29
05 51 33 13-0021	EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,049.99	197.79
05 51 33 13-0022	EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,225.11	203.29
05 51 33 13-0023	EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,395.11	208.77
05 51 33 13-0024	EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,534.33	214.27
05 51 33 13-0025	EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,704.33	219.76
05 51 33 13-0026	EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,869.20	225.26
05 51 33 13-0027	EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,031.49	230.76
05 51 33 13-0028	EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,327.16	236.24
05 51 33 13-0029	EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,415.09	241.74
05 51 33 13-0030	EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,567.13	247.23
05 51 33 13-0031	EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,706.36	252.73
05 51 33 13-0032	EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,835.31	258.23
05 51 33 13-0033	EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,123.29	263.71
05 51 33 13-0034	EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,277.89	269.21
05 51 33 13-0035	EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,422.25	274.70

05 51 33 13-0036 Welded Stainless Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0036	EA 7-1/2' Length, Welded Stainless Steel Ladder Cage	5,206.22	164.82
05 51 33 13-0038	EA 8-1/2' Length, Welded Stainless Steel Ladder Cage	5,562.38	170.32
05 51 33 13-0039	EA 9-1/2' Length, Welded Stainless Steel Ladder Cage	6,156.01	175.82
05 51 33 13-0040	EA 10-1/2' Length, Welded Stainless Steel Ladder Cage	6,448.52	181.30
05 51 33 13-0041	EA 11-1/2' Length, Welded Stainless Steel Ladder Cage	6,694.52	186.80
05 51 33 13-0042	EA 12-1/2' Length, Welded Stainless Steel Ladder Cage	7,021.32	192.29
05 51 33 13-0043	EA 13-1/2' Length, Welded Stainless Steel Ladder Cage	7,610.06	197.79
05 51 33 13-0044	EA 14-1/2' Length, Welded Stainless Steel Ladder Cage	7,907.46	203.29
05 51 33 13-0045	EA 15-1/2' Length, Welded Stainless Steel Ladder Cage	8,214.67	208.77
05 51 33 13-0046	EA 16-1/2' Length, Welded Stainless Steel Ladder Cage	8,551.25	214.27
05 51 33 13-0047	EA 17-1/2' Length, Welded Stainless Steel Ladder Cage	9,152.23	219.76
05 51 33 13-0048	EA 18-1/2' Length, Welded Stainless Steel Ladder Cage	9,452.09	225.26
05 51 33 13-0049	EA 19-1/2' Length, Welded Stainless Steel Ladder Cage	9,737.26	230.76
05 51 33 13-0050	EA 20-1/2' Length, Welded Stainless Steel Ladder Cage	10,210.93	236.24
05 51 33 13-0051	EA 21-1/2' Length, Welded Stainless Steel Ladder Cage	10,743.36	241.74
05 51 33 13-0052	EA 22-1/2' Length, Welded Stainless Steel Ladder Cage	11,038.33	247.23
05 51 33 13-0053	EA 23-1/2' Length, Welded Stainless Steel Ladder Cage	11,340.64	252.73

05 Metals**05 50 Metal Fabrications****05 51 Metal Stairs**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33	13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,623.36	258.23
05 51 33	13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,351.64	263.71
05 51 33	13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,634.36	269.21
05 51 33	13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,924.43	274.70
05 51 33 16 Inclined Metal Ladders (05 51 33)					
05 51 33	16-0001		Industrial Ship Ladder, Incline Stairs (05 51 33 16) Note: Includes factory prime.		
05 51 33	16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side..... <i>For Aluminum, Add</i>	365.97 128.05	54.94
05 51 33 23 Alternating Tread Ladders (05 51 33)					
05 51 33	23-0001		Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33	23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,653.74 252.52 -210.43	164.82
05 51 33	23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	3,047.57 307.69 -240.00	174.71
05 51 33	23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	3,395.91 365.28 -266.94	174.71
05 51 33	23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	3,864.61 422.83 -289.72	219.54
05 51 33	23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	4,252.77 489.30 -314.55	227.32
05 51 33	23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	4,560.56 551.40 -332.74	227.32
05 51 33	23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	5,005.72 624.07 -353.64	253.57
05 51 33	23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	5,350.57 698.32 -371.69	253.57
05 51 33	23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	5,618.88 763.78 -381.89	253.57
05 52 Metal Railings (05 50)					
05 52 13			Pipe and Tube Railings (05 52) Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).		
05 52 13	00-0001		Welded Steel Pipe Railing (05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13	00-0002		One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001) Note: Includes factory primed posts and one rail.		
05 52 13	00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing..... <i>For Schedule 80 Handrail, Add</i> <i>For 11 Gauge A513 Steel Tubing, Deduct</i> <i>For 12 Gauge A513 Steel Tubing, Deduct</i> <i>For 14 Gauge A513 Steel Tubing, Deduct</i> <i>For 16 Gauge A513 Steel Tubing, Deduct</i> <i>For Additional Off Set Handrail, ADA Attachment, Add</i> <i>For Aluminum, Satin Finish, Add</i> <i>For Aluminum, Clear Anodized Finish, Add</i> <i>For Aluminum, Dark Anodized Finish, Add</i> <i>For Galvanizing, Add</i> <i>For Wrought Iron, Add</i> <i>For Solid Steel Rails, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For 2" Wheel Guard, Add</i> <i>For 4" High Kick Plate, Add</i> <i>For 6" High Kick Plate, Add</i> <i>For Curved Rail, Add</i> <i>For Mounting On Stairs, Add</i> <i>For Mounting On Slopes, Add</i> <i>For Post Base Flange With Screws, Add Per Post</i> <i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i> <i>For Custom Design Or Shapes (Square Tops, etc), Add</i> <i>For Nylon Coating, Add</i>	37.57 7.82 -3.43 -3.90 -5.15 -6.08 13.75 6.55 10.14 11.70 6.24 3.76 7.51 49.92 56.16 1.48 1.95 3.12 15.95 11.27 3.76 19.70 29.80 13.29 2.34	10.99



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004 LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.26	10.99
For Schedule 80 Handrail, Add	13.41	
For 11 Gauge A513 Steel Tubing, Deduct	-4.02	
For 12 Gauge A513 Steel Tubing, Deduct	-4.57	
For 14 Gauge A513 Steel Tubing, Deduct	-6.04	
For 16 Gauge A513 Steel Tubing, Deduct	-7.13	
For Additional Off Set Handrail, ADA Attachment, Add	15.36	
For Aluminum, Satin Finish, Add	7.68	
For Aluminum, Clear Anodized Finish, Add	11.89	
For Aluminum, Dark Anodized Finish, Add	13.72	
For Galvanizing, Add	7.32	
For Wrought Iron, Add	4.03	
For Solid Steel Rails, Add	8.05	
For 304 Stainless Steel, Add	58.53	
For 316 Stainless Steel, Add	65.84	
For 2" Wheel Guard, Add	1.74	
For 4" High Kick Plate, Add	2.29	
For 6" High Kick Plate, Add	3.66	
For Curved Rail, Add	17.57	
For Mounting On Stairs, Add	12.08	
For Mounting On Slopes, Add	4.03	
For Post Base Flange With Screws, Add Per Post	19.70	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.80	
For Custom Design Or Shapes (Square Tops, etc), Add	14.64	
For Nylon Coating, Add	2.74	
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	42.95	10.99
For Schedule 80 Handrail, Add	13.41	
For 11 Gauge A513 Steel Tubing, Deduct	-4.62	
For 12 Gauge A513 Steel Tubing, Deduct	-5.25	
For 14 Gauge A513 Steel Tubing, Deduct	-6.92	
For 16 Gauge A513 Steel Tubing, Deduct	-8.18	
For Additional Off Set Handrail, ADA Attachment, Add	16.98	
For Aluminum, Satin Finish, Add	8.81	
For Aluminum, Clear Anodized Finish, Add	13.64	
For Aluminum, Dark Anodized Finish, Add	15.74	
For Galvanizing, Add	8.39	
For Wrought Iron, Add	4.30	
For Solid Steel Rails, Add	8.59	
For 304 Stainless Steel, Add	67.14	
For 316 Stainless Steel, Add	75.53	
For 2" Wheel Guard, Add	1.99	
For 4" High Kick Plate, Add	2.62	
For 6" High Kick Plate, Add	4.20	
For Curved Rail, Add	19.18	
For Mounting On Stairs, Add	12.89	
For Mounting On Slopes, Add	4.30	
For Post Base Flange With Screws, Add Per Post	19.70	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.80	
For Custom Design Or Shapes (Square Tops, etc), Add	15.98	
For Nylon Coating, Add	3.15	
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	47.61	10.99
For Schedule 80 Handrail, Add	15.67	
For 11 Gauge A513 Steel Tubing, Deduct	-5.64	
For 12 Gauge A513 Steel Tubing, Deduct	-6.41	
For 14 Gauge A513 Steel Tubing, Deduct	-8.46	
For 16 Gauge A513 Steel Tubing, Deduct	-10.00	
For Additional Off Set Handrail, ADA Attachment, Add	19.77	
For Aluminum, Satin Finish, Add	10.77	
For Aluminum, Clear Anodized Finish, Add	16.67	
For Aluminum, Dark Anodized Finish, Add	19.23	
For Galvanizing, Add	10.26	
For Wrought Iron, Add	4.76	
For Solid Steel Rails, Add	9.52	
For 304 Stainless Steel, Add	82.05	
For 316 Stainless Steel, Add	92.30	
For 2" Wheel Guard, Add	2.44	
For 4" High Kick Plate, Add	3.21	
For 6" High Kick Plate, Add	5.13	
For Curved Rail, Add	21.98	
For Mounting On Stairs, Add	14.28	
For Mounting On Slopes, Add	4.76	
For Post Base Flange With Screws, Add Per Post	19.70	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.80	
For Custom Design Or Shapes (Square Tops, etc), Add	18.31	
For Nylon Coating, Add	3.85	

05	05 Metals
	05 50 Metal Fabrications
	05 52 Metal Railings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 52 13 00-0007	LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	53.20	10.99
	<i>For Schedule 80 Handrail, Add</i>	17.96	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.87	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.81	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-10.31	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-12.18	
	<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	23.13	
	<i>For Aluminum, Satin Finish, Add</i>	13.12	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	20.30	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	23.42	
	<i>For Galvanizing, Add</i>	12.49	
	<i>For Wrought Iron, Add</i>	5.32	
	<i>For Solid Steel Rails, Add</i>	10.64	
	<i>For 304 Stainless Steel, Add</i>	99.94	
	<i>For 316 Stainless Steel, Add</i>	112.43	
	<i>For 2" Wheel Guard, Add</i>	2.97	
	<i>For 4" High Kick Plate, Add</i>	3.90	
	<i>For 6" High Kick Plate, Add</i>	6.25	
	<i>For Curved Rail, Add</i>	25.33	
	<i>For Mounting On Stairs, Add</i>	15.96	
	<i>For Mounting On Slopes, Add</i>	5.32	
	<i>For Post Base Flange With Screws, Add Per Post</i>	19.70	
	<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.80	
	<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	21.11	
	<i>For Nylon Coating, Add</i>	4.68	
05 52 13 00-0008	Two Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small>		
	Note: Includes factory primed posts and two rails.		
05 52 13 00-0009	LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	50.57	10.99
	<i>For Schedule 80 Handrail, Add</i>	7.82	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.29	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.15	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.44	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.15	
	<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.75	
	<i>For Aluminum, Satin Finish, Add</i>	12.01	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	18.59	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	21.45	
	<i>For Galvanizing, Add</i>	11.44	
	<i>For Wrought Iron, Add</i>	5.06	
	<i>For Solid Steel Rails, Add</i>	10.11	
	<i>For 304 Stainless Steel, Add</i>	91.52	
	<i>For 316 Stainless Steel, Add</i>	102.96	
	<i>For 2" Wheel Guard, Add</i>	2.72	
	<i>For 4" High Kick Plate, Add</i>	3.58	
	<i>For 6" High Kick Plate, Add</i>	5.72	
	<i>For Curved Rail, Add</i>	23.75	
	<i>For Mounting On Stairs, Add</i>	15.17	
	<i>For Mounting On Slopes, Add</i>	5.06	
	<i>For Post Base Flange With Screws, Add Per Post</i>	19.70	
	<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.80	
	<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	19.79	
	<i>For Nylon Coating, Add</i>	4.29	
05 52 13 00-0010	LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	55.50	10.99
	<i>For Schedule 80 Handrail, Add</i>	13.41	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.38	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-8.38	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.06	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-13.08	
	<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	15.36	
	<i>For Aluminum, Satin Finish, Add</i>	14.08	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	21.79	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	25.15	
	<i>For Galvanizing, Add</i>	13.41	
	<i>For Wrought Iron, Add</i>	5.55	
	<i>For Solid Steel Rails, Add</i>	11.10	
	<i>For 304 Stainless Steel, Add</i>	107.30	
	<i>For 316 Stainless Steel, Add</i>	120.71	
	<i>For 2" Wheel Guard, Add</i>	3.19	
	<i>For 4" High Kick Plate, Add</i>	4.19	
	<i>For 6" High Kick Plate, Add</i>	6.71	
	<i>For Curved Rail, Add</i>	26.71	
	<i>For Mounting On Stairs, Add</i>	16.65	
	<i>For Mounting On Slopes, Add</i>	5.55	
	<i>For Post Base Flange With Screws, Add Per Post</i>	19.70	
	<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.80	
	<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	22.26	
	<i>For Nylon Coating, Add</i>	5.03	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	60.43	10.99
For Schedule 80 Handrail, Add	13.41	
For 11 Gauge A513 Steel Tubing, Deduct	-8.46	
For 12 Gauge A513 Steel Tubing, Deduct	-9.62	
For 14 Gauge A513 Steel Tubing, Deduct	-12.69	
For 16 Gauge A513 Steel Tubing, Deduct	-15.00	
For Additional Off Set Handrail, ADA Attachment, Add	16.98	
For Aluminum, Satin Finish, Add	16.15	
For Aluminum, Clear Anodized Finish, Add	25.00	
For Aluminum, Dark Anodized Finish, Add	28.85	
For Galvanizing, Add	15.38	
For Wrought Iron, Add	6.04	
For Solid Steel Rails, Add	12.09	
For 304 Stainless Steel, Add	123.07	
For 316 Stainless Steel, Add	138.46	
For 2" Wheel Guard, Add	3.65	
For 4" High Kick Plate, Add	4.81	
For 6" High Kick Plate, Add	7.69	
For Curved Rail, Add	29.67	
For Mounting On Stairs, Add	18.13	
For Mounting On Slopes, Add	6.04	
For Post Base Flange With Screws, Add Per Post	19.70	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.80	
For Custom Design Or Shapes (Square Tops, etc), Add	24.72	
For Nylon Coating, Add	5.77	
05 52 13 00-0012 LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	68.97	10.99
For Schedule 80 Handrail, Add	15.67	
For 11 Gauge A513 Steel Tubing, Deduct	-10.34	
For 12 Gauge A513 Steel Tubing, Deduct	-11.75	
For 14 Gauge A513 Steel Tubing, Deduct	-15.51	
For 16 Gauge A513 Steel Tubing, Deduct	-18.33	
For Additional Off Set Handrail, ADA Attachment, Add	19.77	
For Aluminum, Satin Finish, Add	19.74	
For Aluminum, Clear Anodized Finish, Add	30.55	
For Aluminum, Dark Anodized Finish, Add	35.25	
For Galvanizing, Add	18.80	
For Wrought Iron, Add	6.90	
For Solid Steel Rails, Add	13.79	
For 304 Stainless Steel, Add	150.40	
For 316 Stainless Steel, Add	169.20	
For 2" Wheel Guard, Add	4.47	
For 4" High Kick Plate, Add	5.88	
For 6" High Kick Plate, Add	9.40	
For Curved Rail, Add	34.79	
For Mounting On Stairs, Add	20.69	
For Mounting On Slopes, Add	6.90	
For Post Base Flange With Screws, Add Per Post	19.70	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.80	
For Custom Design Or Shapes (Square Tops, etc), Add	28.99	
For Nylon Coating, Add	7.05	
05 52 13 00-0013 LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	79.21	10.99
For Schedule 80 Handrail, Add	17.96	
For 11 Gauge A513 Steel Tubing, Deduct	-12.59	
For 12 Gauge A513 Steel Tubing, Deduct	-14.31	
For 14 Gauge A513 Steel Tubing, Deduct	-18.89	
For 16 Gauge A513 Steel Tubing, Deduct	-22.32	
For Additional Off Set Handrail, ADA Attachment, Add	23.13	
For Aluminum, Satin Finish, Add	24.04	
For Aluminum, Clear Anodized Finish, Add	37.21	
For Aluminum, Dark Anodized Finish, Add	42.93	
For Galvanizing, Add	22.90	
For Wrought Iron, Add	7.92	
For Solid Steel Rails, Add	15.84	
For 304 Stainless Steel, Add	183.17	
For 316 Stainless Steel, Add	206.06	
For 2" Wheel Guard, Add	5.44	
For 4" High Kick Plate, Add	7.16	
For 6" High Kick Plate, Add	11.45	
For Curved Rail, Add	40.94	
For Mounting On Stairs, Add	23.76	
For Mounting On Slopes, Add	7.92	
For Post Base Flange With Screws, Add Per Post	19.70	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.80	
For Custom Design Or Shapes (Square Tops, etc), Add	34.11	
For Nylon Coating, Add	8.59	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
 Note: Includes factory primed posts and three rails.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	76.55	13.18
For Schedule 80 Handrail, Add	10.99	
For 11 Gauge A513 Steel Tubing, Deduct	-11.04	
For 12 Gauge A513 Steel Tubing, Deduct	-12.54	
For 14 Gauge A513 Steel Tubing, Deduct	-16.56	
For 16 Gauge A513 Steel Tubing, Deduct	-19.57	
For Additional Off Set Handrail, ADA Attachment, Add	14.64	
For Aluminum, Satin Finish, Add	21.07	
For Aluminum, Clear Anodized Finish, Add	32.61	
For Aluminum, Dark Anodized Finish, Add	37.63	
For Galvanizing, Add	20.07	
For Wrought Iron, Add	7.66	
For Solid Steel Rails, Add	15.31	
For 304 Stainless Steel, Add	160.54	
For 316 Stainless Steel, Add	180.61	
For 2" Wheel Guard, Add	4.77	
For 4" High Kick Plate, Add	6.27	
For 6" High Kick Plate, Add	10.03	
For Curved Rail, Add	38.02	
For Mounting On Stairs, Add	22.97	
For Mounting On Slopes, Add	7.66	
For Post Base Flange With Screws, Add Per Post	20.14	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.46	
For Custom Design Or Shapes (Square Tops, etc), Add	31.68	
For Nylon Coating, Add	7.53	
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	85.18	13.18
For Schedule 80 Handrail, Add	18.45	
For 11 Gauge A513 Steel Tubing, Deduct	-12.94	
For 12 Gauge A513 Steel Tubing, Deduct	-14.70	
For 14 Gauge A513 Steel Tubing, Deduct	-19.40	
For 16 Gauge A513 Steel Tubing, Deduct	-22.93	
For Additional Off Set Handrail, ADA Attachment, Add	16.25	
For Aluminum, Satin Finish, Add	24.70	
For Aluminum, Clear Anodized Finish, Add	38.22	
For Aluminum, Dark Anodized Finish, Add	44.10	
For Galvanizing, Add	23.52	
For Wrought Iron, Add	8.52	
For Solid Steel Rails, Add	17.04	
For 304 Stainless Steel, Add	188.16	
For 316 Stainless Steel, Add	211.68	
For 2" Wheel Guard, Add	5.59	
For 4" High Kick Plate, Add	7.35	
For 6" High Kick Plate, Add	11.76	
For Curved Rail, Add	43.19	
For Mounting On Stairs, Add	25.55	
For Mounting On Slopes, Add	8.52	
For Post Base Flange With Screws, Add Per Post	20.14	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.46	
For Custom Design Or Shapes (Square Tops, etc), Add	36.00	
For Nylon Coating, Add	8.82	
05 52 13 00-0017 LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	93.82	13.18
For Schedule 80 Handrail, Add	18.45	
For 11 Gauge A513 Steel Tubing, Deduct	-14.84	
For 12 Gauge A513 Steel Tubing, Deduct	-16.86	
For 14 Gauge A513 Steel Tubing, Deduct	-22.26	
For 16 Gauge A513 Steel Tubing, Deduct	-26.30	
For Additional Off Set Handrail, ADA Attachment, Add	17.87	
For Aluminum, Satin Finish, Add	28.32	
For Aluminum, Clear Anodized Finish, Add	43.84	
For Aluminum, Dark Anodized Finish, Add	50.58	
For Galvanizing, Add	26.98	
For Wrought Iron, Add	9.38	
For Solid Steel Rails, Add	18.76	
For 304 Stainless Steel, Add	215.81	
For 316 Stainless Steel, Add	242.78	
For 2" Wheel Guard, Add	6.41	
For 4" High Kick Plate, Add	8.43	
For 6" High Kick Plate, Add	13.49	
For Curved Rail, Add	48.38	
For Mounting On Stairs, Add	28.15	
For Mounting On Slopes, Add	9.38	
For Post Base Flange With Screws, Add Per Post	20.14	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.46	
For Custom Design Or Shapes (Square Tops, etc), Add	40.32	
For Nylon Coating, Add	10.12	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0018 LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	108.83	13.18
For Schedule 80 Handrail, Add	21.46	
For 11 Gauge A513 Steel Tubing, Deduct	-18.14	
For 12 Gauge A513 Steel Tubing, Deduct	-20.61	
For 14 Gauge A513 Steel Tubing, Deduct	-27.21	
For 16 Gauge A513 Steel Tubing, Deduct	-32.16	
For Additional Off Set Handrail, ADA Attachment, Add	20.66	
For Aluminum, Satin Finish, Add	34.63	
For Aluminum, Clear Anodized Finish, Add	53.59	
For Aluminum, Dark Anodized Finish, Add	61.84	
For Galvanizing, Add	32.98	
For Wrought Iron, Add	10.88	
For Solid Steel Rails, Add	21.77	
For 304 Stainless Steel, Add	263.84	
For 316 Stainless Steel, Add	296.82	
For 2" Wheel Guard, Add	7.83	
For 4" High Kick Plate, Add	10.31	
For 6" High Kick Plate, Add	16.49	
For Curved Rail, Add	57.38	
For Mounting On Stairs, Add	32.65	
For Mounting On Slopes, Add	10.88	
For Post Base Flange With Screws, Add Per Post	20.14	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.46	
For Custom Design Or Shapes (Square Tops, etc), Add	47.82	
For Nylon Coating, Add	12.37	
05 52 13 00-0019 LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	126.71	13.18
For Schedule 80 Handrail, Add	24.51	
For 11 Gauge A513 Steel Tubing, Deduct	-22.07	
For 12 Gauge A513 Steel Tubing, Deduct	-25.08	
For 14 Gauge A513 Steel Tubing, Deduct	-33.11	
For 16 Gauge A513 Steel Tubing, Deduct	-39.13	
For Additional Off Set Handrail, ADA Attachment, Add	24.02	
For Aluminum, Satin Finish, Add	42.14	
For Aluminum, Clear Anodized Finish, Add	65.21	
For Aluminum, Dark Anodized Finish, Add	75.25	
For Galvanizing, Add	40.13	
For Wrought Iron, Add	12.67	
For Solid Steel Rails, Add	25.34	
For 304 Stainless Steel, Add	321.06	
For 316 Stainless Steel, Add	361.19	
For 2" Wheel Guard, Add	9.53	
For 4" High Kick Plate, Add	12.54	
For 6" High Kick Plate, Add	20.07	
For Curved Rail, Add	68.11	
For Mounting On Stairs, Add	38.01	
For Mounting On Slopes, Add	12.67	
For Post Base Flange With Screws, Add Per Post	20.14	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.46	
For Custom Design Or Shapes (Square Tops, etc), Add	56.76	
For Nylon Coating, Add	15.05	
05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and four rails.		
05 52 13 00-0021 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	92.34	15.38
For Schedule 80 Handrail, Add	14.45	
For 11 Gauge A513 Steel Tubing, Deduct	-13.55	
For 12 Gauge A513 Steel Tubing, Deduct	-15.39	
For 14 Gauge A513 Steel Tubing, Deduct	-20.32	
For 16 Gauge A513 Steel Tubing, Deduct	-24.01	
For Additional Off Set Handrail, ADA Attachment, Add	15.51	
For Aluminum, Satin Finish, Add	25.86	
For Aluminum, Clear Anodized Finish, Add	40.02	
For Aluminum, Dark Anodized Finish, Add	46.18	
For Galvanizing, Add	24.63	
For Wrought Iron, Add	9.23	
For Solid Steel Rails, Add	18.47	
For 304 Stainless Steel, Add	197.02	
For 316 Stainless Steel, Add	221.65	
For 2" Wheel Guard, Add	5.85	
For 4" High Kick Plate, Add	7.70	
For 6" High Kick Plate, Add	12.31	
For Curved Rail, Add	46.17	
For Mounting On Stairs, Add	27.70	
For Mounting On Slopes, Add	9.23	
For Post Base Flange With Screws, Add Per Post	20.58	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.12	
For Custom Design Or Shapes (Square Tops, etc), Add	38.48	
For Nylon Coating, Add	9.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0022 LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	100.01	15.38
For Schedule 80 Handrail, Add	23.77	
For 11 Gauge A513 Steel Tubing, Deduct	-15.23	
For 12 Gauge A513 Steel Tubing, Deduct	-17.31	
For 14 Gauge A513 Steel Tubing, Deduct	-22.85	
For 16 Gauge A513 Steel Tubing, Deduct	-27.00	
For Additional Off Set Handrail, ADA Attachment, Add	17.12	
For Aluminum, Satin Finish, Add	29.08	
For Aluminum, Clear Anodized Finish, Add	45.01	
For Aluminum, Dark Anodized Finish, Add	51.93	
For Galvanizing, Add	27.70	
For Wrought Iron, Add	10.00	
For Solid Steel Rails, Add	20.00	
For 304 Stainless Steel, Add	221.57	
For 316 Stainless Steel, Add	249.26	
For 2" Wheel Guard, Add	6.58	
For 4" High Kick Plate, Add	8.66	
For 6" High Kick Plate, Add	13.85	
For Curved Rail, Add	50.78	
For Mounting On Stairs, Add	30.00	
For Mounting On Slopes, Add	10.00	
For Post Base Flange With Screws, Add Per Post	20.58	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.12	
For Custom Design Or Shapes (Square Tops, etc), Add	42.31	
For Nylon Coating, Add	10.39	
05 52 13 00-0023 LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	107.68	15.38
For Schedule 80 Handrail, Add	23.77	
For 11 Gauge A513 Steel Tubing, Deduct	-16.92	
For 12 Gauge A513 Steel Tubing, Deduct	-19.23	
For 14 Gauge A513 Steel Tubing, Deduct	-25.38	
For 16 Gauge A513 Steel Tubing, Deduct	-29.99	
For Additional Off Set Handrail, ADA Attachment, Add	18.74	
For Aluminum, Satin Finish, Add	32.30	
For Aluminum, Clear Anodized Finish, Add	49.99	
For Aluminum, Dark Anodized Finish, Add	57.68	
For Galvanizing, Add	30.76	
For Wrought Iron, Add	10.77	
For Solid Steel Rails, Add	21.54	
For 304 Stainless Steel, Add	246.11	
For 316 Stainless Steel, Add	276.88	
For 2" Wheel Guard, Add	7.31	
For 4" High Kick Plate, Add	9.61	
For 6" High Kick Plate, Add	15.38	
For Curved Rail, Add	55.38	
For Mounting On Stairs, Add	32.30	
For Mounting On Slopes, Add	10.77	
For Post Base Flange With Screws, Add Per Post	20.58	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.12	
For Custom Design Or Shapes (Square Tops, etc), Add	46.15	
For Nylon Coating, Add	11.54	
05 52 13 00-0024 LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	124.76	15.38
For Schedule 80 Handrail, Add	27.54	
For 11 Gauge A513 Steel Tubing, Deduct	-20.68	
For 12 Gauge A513 Steel Tubing, Deduct	-23.50	
For 14 Gauge A513 Steel Tubing, Deduct	-31.02	
For 16 Gauge A513 Steel Tubing, Deduct	-36.66	
For Additional Off Set Handrail, ADA Attachment, Add	21.53	
For Aluminum, Satin Finish, Add	39.48	
For Aluminum, Clear Anodized Finish, Add	61.09	
For Aluminum, Dark Anodized Finish, Add	70.49	
For Galvanizing, Add	37.60	
For Wrought Iron, Add	12.48	
For Solid Steel Rails, Add	24.95	
For 304 Stainless Steel, Add	300.77	
For 316 Stainless Steel, Add	338.36	
For 2" Wheel Guard, Add	8.93	
For 4" High Kick Plate, Add	11.75	
For 6" High Kick Plate, Add	18.80	
For Curved Rail, Add	65.63	
For Mounting On Stairs, Add	37.43	
For Mounting On Slopes, Add	12.48	
For Post Base Flange With Screws, Add Per Post	20.58	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.12	
For Custom Design Or Shapes (Square Tops, etc), Add	54.69	
For Nylon Coating, Add	14.10	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0025 LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	144.78	15.38
For Schedule 80 Handrail, Add	31.35	
For 11 Gauge A513 Steel Tubing, Deduct	-25.08	
For 12 Gauge A513 Steel Tubing, Deduct	-28.50	
For 14 Gauge A513 Steel Tubing, Deduct	-37.62	
For 16 Gauge A513 Steel Tubing, Deduct	-44.46	
For Additional Off Set Handrail, ADA Attachment, Add	24.89	
For Aluminum, Satin Finish, Add	47.88	
For Aluminum, Clear Anodized Finish, Add	74.11	
For Aluminum, Dark Anodized Finish, Add	85.51	
For Galvanizing, Add	45.60	
For Wrought Iron, Add	14.48	
For Solid Steel Rails, Add	28.96	
For 304 Stainless Steel, Add	364.83	
For 316 Stainless Steel, Add	410.44	
For 2" Wheel Guard, Add	10.83	
For 4" High Kick Plate, Add	14.25	
For 6" High Kick Plate, Add	22.80	
For Curved Rail, Add	77.64	
For Mounting On Stairs, Add	43.43	
For Mounting On Slopes, Add	14.48	
For Post Base Flange With Screws, Add Per Post	20.58	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.12	
For Custom Design Or Shapes (Square Tops, etc), Add	64.70	
For Nylon Coating, Add	17.10	
 05 52 13 00-0026 Railing Infill Panels (05 52 13)		
Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026)		
Note: Square weave or square welded wire mesh.		
05 52 13 00-0028 SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	14.87	
05 52 13 00-0029 SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.79	
05 52 13 00-0030 SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.60	
05 52 13 00-0031 SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	28.07	
 05 52 13 00-0032 Perforated Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel	14.58	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel.....	15.07	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel.....	16.14	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel.....	32.39	
 05 52 13 00-0037 Expanded Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.58	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel	13.44	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel.....	17.65	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel.....	26.31	
 05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043 LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	38.37	6.59
For Schedule 80 Handrail, Add	3.62	
For 11 Gauge A513 Steel Tubing, Deduct	-4.82	
For 12 Gauge A513 Steel Tubing, Deduct	-5.47	
For 14 Gauge A513 Steel Tubing, Deduct	-7.22	
For 16 Gauge A513 Steel Tubing, Deduct	-8.54	
For Stainless Steel, Add	43.78	
For Aluminum, Satin Finish, Add	9.19	
For Curved Rail, Add	11.51	
For Aluminum, Clear Anodized Finish, Add	14.23	
For Aluminum, Dark Anodized Finish, Add	16.42	
For Galvanized Finish, Add	6.57	
05 52 13 00-0044 LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.08	6.59
For Schedule 80 Handrail, Add	4.53	
For 11 Gauge A513 Steel Tubing, Deduct	-4.97	
For 12 Gauge A513 Steel Tubing, Deduct	-5.65	
For 14 Gauge A513 Steel Tubing, Deduct	-7.46	
For 16 Gauge A513 Steel Tubing, Deduct	-8.81	
For Stainless Steel, Add	45.20	
For Aluminum, Satin Finish, Add	9.49	
For Curved Rail, Add	11.72	
For Aluminum, Clear Anodized Finish, Add	14.69	
For Aluminum, Dark Anodized Finish, Add	16.95	
For Galvanized Finish, Add	6.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0045 LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.79	6.59
For Schedule 80 Handrail, Add	16.97	
For 11 Gauge A513 Steel Tubing, Deduct	-5.13	
For 12 Gauge A513 Steel Tubing, Deduct	-5.83	
For 14 Gauge A513 Steel Tubing, Deduct	-7.69	
For 16 Gauge A513 Steel Tubing, Deduct	-9.09	
For Stainless Steel, Add	46.62	
For Aluminum, Satin Finish, Add	9.79	
For Curved Rail, Add	11.94	
For Aluminum, Clear Anodized Finish, Add	15.15	
For Aluminum, Dark Anodized Finish, Add	17.48	
For Galvanized Finish, Add	6.99	
05 52 13 00-0046 LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	47.91	6.59
For Schedule 80 Handrail, Add	6.23	
For 11 Gauge A513 Steel Tubing, Deduct	-6.91	
For 12 Gauge A513 Steel Tubing, Deduct	-7.86	
For 14 Gauge A513 Steel Tubing, Deduct	-10.37	
For 16 Gauge A513 Steel Tubing, Deduct	-12.26	
For Stainless Steel, Add	62.86	
For Aluminum, Satin Finish, Add	13.20	
For Curved Rail, Add	14.37	
For Aluminum, Clear Anodized Finish, Add	20.43	
For Aluminum, Dark Anodized Finish, Add	23.57	
For Galvanized Finish, Add	9.43	
05 52 13 00-0047 LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	54.62	6.59
For Schedule 80 Handrail, Add	7.00	
For 11 Gauge A513 Steel Tubing, Deduct	-8.39	
For 12 Gauge A513 Steel Tubing, Deduct	-9.54	
For 14 Gauge A513 Steel Tubing, Deduct	-12.59	
For 16 Gauge A513 Steel Tubing, Deduct	-14.87	
For Stainless Steel, Add	76.28	
For Aluminum, Satin Finish, Add	16.02	
For Curved Rail, Add	16.39	
For Aluminum, Clear Anodized Finish, Add	24.79	
For Aluminum, Dark Anodized Finish, Add	28.61	
For Galvanized Finish, Add	11.44	
05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049 LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	46.67	6.92
For Schedule 80 Handrail, Add	3.62	
For 11 Gauge A513 Steel Tubing, Deduct	-6.64	
For 12 Gauge A513 Steel Tubing, Deduct	-7.55	
For 14 Gauge A513 Steel Tubing, Deduct	-9.96	
For 16 Gauge A513 Steel Tubing, Deduct	-11.77	
For Stainless Steel, Add	60.38	
For Aluminum, Satin Finish, Add	12.68	
For Curved Rail, Add	14.00	
For Aluminum, Clear Anodized Finish, Add	19.62	
For Aluminum, Dark Anodized Finish, Add	22.64	
For Galvanized Finish, Add	9.06	
05 52 13 00-0050 LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	47.66	6.92
For Schedule 80 Handrail, Add	4.53	
For 11 Gauge A513 Steel Tubing, Deduct	-6.86	
For 12 Gauge A513 Steel Tubing, Deduct	-7.80	
For 14 Gauge A513 Steel Tubing, Deduct	-10.29	
For 16 Gauge A513 Steel Tubing, Deduct	-12.16	
For Stainless Steel, Add	62.36	
For Aluminum, Satin Finish, Add	13.10	
For Curved Rail, Add	14.30	
For Aluminum, Clear Anodized Finish, Add	20.27	
For Aluminum, Dark Anodized Finish, Add	23.39	
For Galvanized Finish, Add	9.35	
05 52 13 00-0051 LF 1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	48.40	6.92
For Schedule 80 Handrail, Add	16.97	
For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
For 16 Gauge A513 Steel Tubing, Deduct	-12.45	
For Stainless Steel, Add	63.84	
For Aluminum, Satin Finish, Add	13.41	
For Curved Rail, Add	14.52	
For Aluminum, Clear Anodized Finish, Add	20.75	
For Aluminum, Dark Anodized Finish, Add	23.94	
For Galvanized Finish, Add	9.58	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0052 LF 2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	59.74	6.92
For Schedule 80 Handrail, Add	6.23	
For 11 Gauge A513 Steel Tubing, Deduct	-9.52	
For 12 Gauge A513 Steel Tubing, Deduct	-10.82	
For 14 Gauge A513 Steel Tubing, Deduct	-14.28	
For 16 Gauge A513 Steel Tubing, Deduct	-16.87	
For Stainless Steel, Add	86.52	
For Aluminum, Satin Finish, Add	18.17	
For Curved Rail, Add	17.92	
For Aluminum, Clear Anodized Finish, Add	28.12	
For Aluminum, Dark Anodized Finish, Add	32.45	
For Galvanized Finish, Add	12.98	
05 52 13 00-0053 LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	67.15	6.92
For Schedule 80 Handrail, Add	7.00	
For 11 Gauge A513 Steel Tubing, Deduct	-11.15	
For 12 Gauge A513 Steel Tubing, Deduct	-12.67	
For 14 Gauge A513 Steel Tubing, Deduct	-16.72	
For 16 Gauge A513 Steel Tubing, Deduct	-19.76	
For Stainless Steel, Add	101.34	
For Aluminum, Satin Finish, Add	21.28	
For Curved Rail, Add	20.15	
For Aluminum, Clear Anodized Finish, Add	32.94	
For Aluminum, Dark Anodized Finish, Add	38.00	
For Galvanized Finish, Add	15.20	
05 52 13 00-0054 Remove And Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0055 LF Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	24.73	
05 52 13 00-0056 LF Removal And Reinstallation Of Floor Mounted Pipe Railing	33.09	
05 52 13 00-0057 EA Install New Galvanized Steel Pipe Railing Bracket	65.65	
For Stainless Steel, Add	65.36	

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating	13.70	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.92	
For 304 Stainless Steel, Add	36.24	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	3.30	
For Crossbars At 2" On-Center, Add	1.22	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0004 SF 3/4" x 3/16" Steel, Welded Grating	18.38	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.71	
For 304 Stainless Steel, Add	51.26	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	4.66	
For Crossbars At 2" On-Center, Add	1.72	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.01	
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating	16.71	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.43	
For 304 Stainless Steel, Add	45.90	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	4.18	
For Crossbars At 2" On-Center, Add	1.54	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.97	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating	23.05	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.51	
For 304 Stainless Steel, Add	66.25	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.03	
For Crossbars At 2" On-Center, Add	2.23	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating	29.40	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.59	
For 304 Stainless Steel, Add	86.64	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	7.88	
For Crossbars At 2" On-Center, Add	2.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.29	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating	19.75	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.95	
For 304 Stainless Steel, Add	55.66	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.06	
For Crossbars At 2" On-Center, Add	1.87	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating	27.46	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.26	
For 304 Stainless Steel, Add	80.41	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	7.31	
For Crossbars At 2" On-Center, Add	2.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.24	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating	22.79	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.46	
For 304 Stainless Steel, Add	65.42	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.95	
For Crossbars At 2" On-Center, Add	2.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.12	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating	32.66	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.05	
For 304 Stainless Steel, Add	95.30	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	8.67	
For Crossbars At 2" On-Center, Add	3.21	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.73	
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating	42.32	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.69	
For 304 Stainless Steel, Add	126.31	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	11.49	
For Crossbars At 2" On-Center, Add	4.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.97	
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating	37.37	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.85	
For 304 Stainless Steel, Add	110.42	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	10.04	
For Crossbars At 2" On-Center, Add	3.72	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.85	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating.....	41.78	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.60	
For 304 Stainless Steel, Add	124.58	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	11.33	
For Crossbars At 2" On-Center, Add	4.19	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.96	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating	46.46	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.39	
For 304 Stainless Steel, Add	139.60	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	12.70	
For Crossbars At 2" On-Center, Add	4.70	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.08	



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating	50.87	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	8.14	
For 304 Stainless Steel, Add	153.76	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	13.99	
For Crossbars At 2" On-Center, Add	5.17	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.19	
05 53 13 00-0017 Pressure Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018 Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	25.96	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.86	
For 304 Stainless Steel, Add	44.06	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.88	
For Crossbars At 2" On-Center, Add	2.54	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.20	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	31.97	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.85	
For 304 Stainless Steel, Add	55.31	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	8.63	
For Crossbars At 2" On-Center, Add	3.19	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.35	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	28.53	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.28	
For 304 Stainless Steel, Add	48.87	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	7.63	
For Crossbars At 2" On-Center, Add	2.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.27	
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	38.85	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.98	
For 304 Stainless Steel, Add	68.18	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	52.84	
For Bearing Bars At 15/16" On-Center, Add	10.64	
For Crossbars At 2" On-Center, Add	3.94	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.53	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	31.97	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.85	
For 304 Stainless Steel, Add	55.31	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	8.63	
For Crossbars At 2" On-Center, Add	3.19	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.35	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	43.63	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.76	
For 304 Stainless Steel, Add	77.12	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	12.04	
For Crossbars At 2" On-Center, Add	4.45	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.65	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	35.58	1.21
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.44	
For 304 Stainless Steel, Add	62.06	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	9.69	
For Crossbars At 2" On-Center, Add	3.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	49.20	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.58	
For 304 Stainless Steel, Add	86.50	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	67.03	
For Bearing Bars At 15/16" On-Center, Add	13.50	
For Crossbars At 2" On-Center, Add	4.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.15	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	54.24	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	8.41	
For 304 Stainless Steel, Add	95.93	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	14.97	
For Crossbars At 2" On-Center, Add	5.54	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.27	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	58.35	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	9.08	
For 304 Stainless Steel, Add	103.62	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	16.17	
For Crossbars At 2" On-Center, Add	5.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.37	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	62.29	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	9.73	
For 304 Stainless Steel, Add	110.99	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	17.32	
For Crossbars At 2" On-Center, Add	6.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.47	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	65.70	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	10.29	
For 304 Stainless Steel, Add	117.37	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	18.32	
For Crossbars At 2" On-Center, Add	6.77	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.56	
05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating.....	17.11	1.21
For Bearing Bars At 15/16" On-Center, Add	4.29	
For Crossbars At 2" On-Center, Add	1.59	
For Set In Place Without Bolting, Deduct	-1.98	
For Powder Coating, Add	2.21	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating.....	23.14	1.21
For Bearing Bars At 15/16" On-Center, Add	6.05	
For Crossbars At 2" On-Center, Add	2.24	
For Set In Place Without Bolting, Deduct	-2.13	
For Powder Coating, Add	3.11	
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating.....	21.84	1.21
For Bearing Bars At 15/16" On-Center, Add	5.67	
For Crossbars At 2" On-Center, Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.10	
For Powder Coating, Add	2.91	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating.....	29.63	1.21
For Bearing Bars At 7/16" On-Center, Add	39.47	
For Bearing Bars At 15/16" On-Center, Add	7.95	
For Crossbars At 2" On-Center, Add	2.94	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.30	
For Powder Coating, Add	4.08	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	25.27	1.21
For Bearing Bars At 15/16" On-Center, Add	6.68	
For Crossbars At 2" On-Center, Add	2.47	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.19	
For Powder Coating, Add	3.43	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	33.76	1.21
For Bearing Bars At 15/16" On-Center, Add	9.15	
For Crossbars At 2" On-Center, Add	3.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.40	
For Powder Coating, Add	4.70	



	Metals	05
	Metal Fabrications	05 50
	Metal Gratings	05 53

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	28.49	1.21
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	7.62	
			<i>For Crossbars At 2" On-Center, Add</i>	2.82	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.27	
			<i>For Powder Coating, Add</i>	3.91	
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	38.02	1.21
			<i>For Bearing Bars At 7/16" On-Center, Add</i>	51.63	
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	10.40	
			<i>For Crossbars At 2" On-Center, Add</i>	3.85	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.50	
			<i>For Powder Coating, Add</i>	5.34	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	42.10	1.21
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	11.59	
			<i>For Crossbars At 2" On-Center, Add</i>	4.29	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.61	
			<i>For Powder Coating, Add</i>	5.95	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating.....	46.93	1.21
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	13.00	
			<i>For Crossbars At 2" On-Center, Add</i>	4.81	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.73	
			<i>For Powder Coating, Add</i>	6.68	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	50.72	1.21
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	14.11	
			<i>For Crossbars At 2" On-Center, Add</i>	5.22	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.82	
			<i>For Powder Coating, Add</i>	7.25	
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	55.24	1.21
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	15.43	
			<i>For Crossbars At 2" On-Center, Add</i>	5.71	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.94	
			<i>For Powder Coating, Add</i>	7.92	
05 53 13 00-0044			Swage Locked Grating <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045			Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating.....	42.53	1.21
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.69	
			<i>For 304 Stainless Steel, Add</i>	66.52	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	25.68	
			<i>For Crossbars At 2" On-Center, Add</i>	3.21	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.62	
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating.....	47.47	1.21
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	4.15	
			<i>For 304 Stainless Steel, Add</i>	74.71	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	28.84	
			<i>For Crossbars At 2" On-Center, Add</i>	3.60	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.74	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating.....	51.90	1.49
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	4.50	
			<i>For 304 Stainless Steel, Add</i>	81.13	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	31.32	
			<i>For Crossbars At 2" On-Center, Add</i>	3.91	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.21	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating.....	59.49	1.49
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	5.20	
			<i>For 304 Stainless Steel, Add</i>	93.71	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	36.17	
			<i>For Crossbars At 2" On-Center, Add</i>	4.52	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.40	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	67.10	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.90	
For 304 Stainless Steel, Add	106.33	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	41.04	
For Crossbars At 2" On-Center, Add	5.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.59	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating.....	74.69	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.60	
For 304 Stainless Steel, Add	118.91	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	45.90	
For Crossbars At 2" On-Center, Add	5.74	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.78	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating.....	82.30	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.30	
For 304 Stainless Steel, Add	131.53	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	50.77	
For Crossbars At 2" On-Center, Add	6.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.97	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044)		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	20.18	1.21
For Bearing Bars At 15/16" On-Center, Add	11.37	
For Crossbars At 2" On-Center, Add	1.42	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.06	
For Powder Coating, Add	2.67	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	26.13	1.21
For Bearing Bars At 15/16" On-Center, Add	15.18	
For Crossbars At 2" On-Center, Add	1.90	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.21	
For Powder Coating, Add	3.56	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	22.85	1.21
For Bearing Bars At 15/16" On-Center, Add	13.08	
For Crossbars At 2" On-Center, Add	1.64	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.13	
For Powder Coating, Add	3.07	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	30.13	1.21
For Bearing Bars At 15/16" On-Center, Add	17.74	
For Crossbars At 2" On-Center, Add	2.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.31	
For Powder Coating, Add	4.16	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	26.02	1.21
For Bearing Bars At 15/16" On-Center, Add	15.11	
For Crossbars At 2" On-Center, Add	1.89	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.20	
For Powder Coating, Add	3.54	
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	34.41	1.21
For Bearing Bars At 15/16" On-Center, Add	20.48	
For Crossbars At 2" On-Center, Add	2.56	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.41	
For Powder Coating, Add	4.80	
05 53 13 00-0060 SF 1-3/4" x 3/16" Aluminum, Swaged Grating.....	39.35	1.21
For Bearing Bars At 15/16" On-Center, Add	23.64	
For Crossbars At 2" On-Center, Add	2.96	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.54	
For Powder Coating, Add	5.54	
05 53 13 00-0061 SF 2" x 3/16" Aluminum, Swaged Grating.....	44.26	1.21
For Bearing Bars At 15/16" On-Center, Add	26.78	
For Crossbars At 2" On-Center, Add	3.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.66	
For Powder Coating, Add	6.28	
05 53 13 00-0062 SF 2-1/4" x 3/16" Aluminum, Swaged Grating.....	49.19	1.21
For Bearing Bars At 15/16" On-Center, Add	29.94	
For Crossbars At 2" On-Center, Add	3.74	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.78	
For Powder Coating, Add	7.02	



	Metals 05	
	Metal Fabrications 05 50	05
	Metal Gratings 05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	54.10 33.08 4.14 0.16 -2.91 7.75	1.21
05 53 13 00-0064			Riveted Grating <small>(05 53 13)</small> Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			Steel, Riveted Grating <small>(05 53 13 00-0064)</small> Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	80.87 0.22 3.77 67.40 27.07 -3.58	1.21
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	95.24 0.22 4.46 79.74 32.03 -3.94	1.21
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	87.49 0.22 4.08 73.08 29.35 0.16 -3.74	1.21
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	100.71 0.22 4.72 84.44 33.91 0.16 -4.07	1.21
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	92.96 0.22 4.35 77.78 31.24 0.16 -3.88	1.21
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	110.90 0.22 5.21 93.19 37.43 0.16 -4.33	1.21
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	98.80 0.22 4.60 82.32 33.06 0.16 -4.39	1.49
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	117.98 0.22 5.52 98.79 39.68 0.16 -4.87	1.49
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	127.76 0.22 5.99 107.19 43.05 0.16 -5.11	1.49
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	149.61 0.22 7.04 125.96 50.59 0.16 -5.66	1.49

05	Metals
05 50	Metal Fabrications
05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	157.22	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.40	
For 304 Stainless Steel, Add	132.50	
For 5/8" Clear Opening, Add	53.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-5.85	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	164.00	1.49
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.73	
For 304 Stainless Steel, Add	138.32	
For 5/8" Clear Opening, Add	55.56	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-6.02	
05 53 13 00-0078 Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	42.98	1.21
For 5/8" Clear Opening, Add	14.00	
For Powder Coating, Add	6.09	
For Set In Place Without Bolting, Deduct	-2.63	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	51.01	1.21
For 5/8" Clear Opening, Add	16.77	
For Powder Coating, Add	7.29	
For Set In Place Without Bolting, Deduct	-2.83	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	47.27	1.21
For 5/8" Clear Opening, Add	15.48	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	6.73	
For Set In Place Without Bolting, Deduct	-2.74	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	55.11	1.21
For 5/8" Clear Opening, Add	18.18	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.91	
For Set In Place Without Bolting, Deduct	-2.93	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	53.01	1.21
For 5/8" Clear Opening, Add	17.46	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.59	
For Set In Place Without Bolting, Deduct	-2.88	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	63.89	1.21
For 5/8" Clear Opening, Add	21.21	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	9.22	
For Set In Place Without Bolting, Deduct	-3.15	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	56.93	1.21
For 5/8" Clear Opening, Add	18.81	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	8.18	
For Set In Place Without Bolting, Deduct	-2.98	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating	70.75	1.21
For 5/8" Clear Opening, Add	23.58	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.25	
For Set In Place Without Bolting, Deduct	-3.32	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating	78.00	1.21
For 5/8" Clear Opening, Add	26.08	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	11.34	
For Set In Place Without Bolting, Deduct	-3.50	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	92.88	1.21
For 5/8" Clear Opening, Add	31.21	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	13.57	
For Set In Place Without Bolting, Deduct	-3.88	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	101.33	1.21
For 5/8" Clear Opening, Add	34.13	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	14.84	
For Set In Place Without Bolting, Deduct	-4.09	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	112.65	1.21
For 5/8" Clear Opening, Add	38.03	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	16.54	
For Set In Place Without Bolting, Deduct	-4.37	

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates	20.86	1.42
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates	23.91	1.42
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates	30.07	1.42
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates	40.30	1.54



Metals	05	05
Metal Fabrications	05 50	
Metal Floor Plates	05 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates	51.34	1.65
05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)		
05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	29.99 4.14	1.21
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	34.41 4.75	1.42
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	38.85 5.37	1.54
05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)		
05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	39.20	1.65
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	46.87	1.87
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	60.74	2.20
05 55 Metal Stair Treads and Nosings (05 50)		
05 55 13 Metal Stair Treads (05 55)		
05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)		
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	72.52	6.98
<i>For 3/8" Thick, Add</i>	15.34	
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	79.85	6.98
<i>For 3/8" Thick, Add</i>	17.17	
05 55 13 00-0004 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	87.16	6.98
<i>For 3/8" Thick, Add</i>	19.00	
05 55 13 00-0005 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	94.52	6.98
<i>For 3/8" Thick, Add</i>	20.84	
05 55 13 00-0006 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	101.80	6.98
<i>For 3/8" Thick, Add</i>	22.66	
05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)		
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	100.95	6.98
05 55 13 00-0009 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	111.81	6.98
05 55 13 00-0010 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	122.69	6.98
05 55 13 00-0011 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	133.56	6.98
05 55 13 00-0012 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	144.44	6.98
05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)		
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	38.23	6.98
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	44.87	6.98
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	47.80	6.98
05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)		
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	56.56	6.98
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	57.11	6.98
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	69.06	6.98
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	79.53	6.98
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	93.18	6.98
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0023 Stair Landing Treads (05 55 13)		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023)		
Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads	101.80	6.98
<i>For 3/8" Thick, Add</i>	22.66	

05	05 Metals
	05 50 Metal Fabrications
	05 55 Metal Stair Treads and Nosings



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 55 13 00-0026		Abrasive Cast Iron Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads.....	144.44	6.98
05 55 13 00-0028		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <i>For Epoxy Sealed For Corrosive Environment, Add</i>	94.38 4.61	6.98
05 55 13 00-0030		Open Cast Iron Stair Tread <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	731.32 62.69	43.95
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	819.59 70.09	50.55
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	902.49 77.09	59.33
05 55 16		Metal Stair Nosings <small>(05 55)</small>		
05 55 16 00-0001		Abrasive Cast Aluminum Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	30.60 5.75	4.77
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	37.68 7.52	4.77
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	53.45 11.46	4.77
05 55 16 00-0005		Abrasive Cast Iron Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	35.76 7.04	4.77
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	44.48 9.22	4.77
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	61.70 13.52	4.77
05 55 16 00-0009		Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	25.80	4.77
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	29.21	4.77
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	31.82	4.77
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	39.91	4.77
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	26.72	4.77
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	29.63	4.77
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	32.51	4.77
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.76	4.77
05 56		Metal Castings <small>(05 50)</small>		
05 56 00 00-0001		Castings <small>(05 56)</small>		
05 56 00 00-0002	LB	Up To 150 LB, Miscellaneous Castings, Light Section.....	5.74	0.55
05 56 00 00-0003	LB	>150 LB, Miscellaneous Castings, Heavy Section.....	9.88	0.44
05 58		Formed Metal Fabrications <small>(05 50)</small>		
05 58 16		Formed Metal Enclosures <small>(05 58)</small>		
05 58 16 00-0001		Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002	SF	Stainless Steel Drip Pan.....	115.05	7.68
05 58 16 00-0003	SF	Galvanized Steel Drip Pan.....	113.67	7.68
05 58 16 00-0004	SF	Aluminum Drip Pan.....	79.95	6.14
05 58 16 00-0005	SF	Plastic Drip Pan.....	21.58	5.38
05 58 23		Formed Metal Guards <small>(05 58)</small>		
05 58 23 00-0001		Protective Guard Rails <small>(05 58 23)</small> Note: Includes painted finish.		



Metals	05	05
Metal Fabrications	05 50	
Formed Metal Fabrications	05 58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Armor Guard.		
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	209.04	22.87
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	245.70	22.87
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	280.28	22.87
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	316.95	22.87
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	351.73	22.87
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	396.81	22.87
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	427.53	22.87
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	475.09	22.87
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	506.30	22.87
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	528.60	22.87
05 58 23 00-0014 Posts For 2-Rib Guard Rails (05 58 23 00-0002) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12" Height, Single Rail Post For 2-Rib Guard Rails	420.29	47.64
05 58 23 00-0016 EA 42" Height, Triple Rail Post For 2-Rib Guard Rails	547.62	47.64
05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Steel Guard.		
05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019 EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	231.13	22.87
05 58 23 00-0020 EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	255.51	22.87
05 58 23 00-0021 EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	285.93	22.87
05 58 23 00-0022 EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	314.37	22.87
05 58 23 00-0023 EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	347.27	22.87
05 58 23 00-0024 EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	363.12	22.87
05 58 23 00-0025 EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	401.27	22.87
05 58 23 00-0026 EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	433.47	22.87
05 58 23 00-0027 EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	467.66	22.87
05 58 23 00-0028 EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	502.34	22.87
05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030 EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	340.83	22.87
05 58 23 00-0031 EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	367.58	22.87
05 58 23 00-0032 EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	395.32	22.87
05 58 23 00-0033 EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	427.53	22.87
05 58 23 00-0034 EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	459.73	22.87
05 58 23 00-0035 EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	485.99	22.87
05 58 23 00-0036 EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	516.21	22.87
05 58 23 00-0037 EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	550.40	22.87
05 58 23 00-0038 EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	587.06	22.87
05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	619.27	22.87
05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041 EA 18" Height, Single Rail Post For 3-Rib Guard Rails	369.56	47.64
05 58 23 00-0042 EA 42" Height, Double Rail Post For 3-Rib Guard Rails	472.81	47.64
05 58 23 00-0043 All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	482.27	63.51
05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	507.05	63.51
05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	521.41	63.51
05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	542.72	63.51
05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	537.76	63.51
05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	564.02	63.51
05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	571.45	63.51
05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	579.88	63.51
05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	620.01	63.51
05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	635.86	63.51
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	665.59	63.51
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	677.97	63.51
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	738.91	63.51

05	05 Metals
	05 50 Metal Fabrications
	05 58 Formed Metal Fabrications



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

05 58 23 00-0059	Warehouse Safety Bollards <small>(05 58 23)</small>		
	<small>Note: Includes painted finish, drilling, surface mounting plate and anchors.</small>		
05 58 23 00-0060	EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	304.17	47.64
05 58 23 00-0061	EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	353.12	47.64
05 58 23 00-0062	EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	404.94	47.64
05 58 23 00-0063	EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	419.11	47.64
05 58 23 00-0064	EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	451.81	47.64

05 59 Metal Specialties (05 50)

05 59 65	Metal Chain <small>(05 59)</small>		
05 59 65 00-0001	Alloy Steel Chain, Self Colored, Cut Length <small>(05 59 65)</small>		
	<small>Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.</small>		
05 59 65 00-0002	LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	6.66	1.06
	<i>For Plastic Dipped, Add</i>	0.68	
05 59 65 00-0003	LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.87	1.41
	<i>For Plastic Dipped, Add</i>	0.76	
05 59 65 00-0004	LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	12.45	2.82
	<i>For Plastic Dipped, Add</i>	1.02	
05 59 65 00-0005	LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	19.98	4.76
	<i>For Plastic Dipped, Add</i>	1.57	
05 59 65 00-0006	LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	33.73	8.04
	<i>For Plastic Dipped, Add</i>	2.65	
05 59 65 00-0007	LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	47.34	11.28
	<i>For Plastic Dipped, Add</i>	3.72	
05 59 65 00-0008	LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	64.53	14.10
	<i>For Plastic Dipped, Add</i>	5.45	
05 59 65 00-0009	LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	93.30	18.80
	<i>For Plastic Dipped, Add</i>	8.36	
05 59 65 00-0010	LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	151.73	28.20
	<i>For Plastic Dipped, Add</i>	14.30	

05 59 65 00-0011	316L Stainless Steel Chain, Cut Length <small>(05 59 65)</small>		
05 59 65 00-0012	CLF 1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	2,687.23	93.97
05 59 65 00-0013	CLF 3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,306.91	112.80
05 59 65 00-0014	CLF 9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,145.32	141.01
05 59 65 00-0015	CLF 5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	5,600.20	188.05
05 59 65 00-0016	CLF 3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	6,368.67	282.01
05 59 65 00-0017	CLF 1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	9,609.93	470.06

05 59 69 Metal Panels (05 59)

05 59 69 00-0001	Woven And Welded Wire Cloth <small>(05 59 69)</small>		
	<small>Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.</small>		
05 59 69 00-0002	Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003	2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004	SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels	9.94	3.01
	<i>For Up To 2, Add</i>	2.79	
	<i>For >2 To 6, Add</i>	1.60	
	<i>For >15 To 40, Deduct</i>	-0.30	
	<i>For >40, Deduct</i>	-0.89	
	<i>For Galvanized, Add</i>	2.60	
	<i>For Aluminum, Add</i>	3.55	
	<i>For 304 Stainless Steel, Add</i>	14.21	
	<i>For 316 Stainless Steel, Add</i>	16.28	
05 59 69 00-0005	SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels	10.69	3.13
	<i>For Up To 2, Add</i>	2.98	
	<i>For >2 To 6, Add</i>	1.70	
	<i>For >15 To 40, Deduct</i>	-0.33	
	<i>For >40, Deduct</i>	-0.98	
	<i>For Galvanized, Add</i>	2.86	
	<i>For Aluminum, Add</i>	3.90	
	<i>For 304 Stainless Steel, Add</i>	15.60	
	<i>For 316 Stainless Steel, Add</i>	17.88	
05 59 69 00-0006	SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels	11.36	3.48
	<i>For Up To 2, Add</i>	3.20	
	<i>For >2 To 6, Add</i>	1.83	
	<i>For >15 To 40, Deduct</i>	-0.34	
	<i>For >40, Deduct</i>	-1.01	
	<i>For Galvanized, Add</i>	2.96	
	<i>For Aluminum, Add</i>	4.04	
	<i>For 304 Stainless Steel, Add</i>	16.15	
	<i>For 316 Stainless Steel, Add</i>	18.51	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0007 SF 0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels	11.98	3.63
For Up To 2, Add	3.36	
For >2 To 6, Add	1.92	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.07	
For Galvanized, Add	3.15	
For Aluminum, Add	4.29	
For 304 Stainless Steel, Add	17.16	
For 316 Stainless Steel, Add	19.66	
05 59 69 00-0008 SF 0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels	13.10	4.06
For Up To 2, Add	3.70	
For >2 To 6, Add	2.12	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.15	
For Galvanized, Add	3.38	
For Aluminum, Add	4.61	
For 304 Stainless Steel, Add	18.43	
For 316 Stainless Steel, Add	21.12	
05 59 69 00-0009 SF 0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels	15.05	4.52
For Up To 2, Add	4.22	
For >2 To 6, Add	2.41	
For >15 To 40, Deduct	-0.45	
For >40, Deduct	-1.35	
For Galvanized, Add	3.97	
For Aluminum, Add	5.41	
For 304 Stainless Steel, Add	21.65	
For 316 Stainless Steel, Add	24.81	
05 59 69 00-0010 SF 0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels	17.08	4.98
For Up To 2, Add	4.74	
For >2 To 6, Add	2.70	
For >15 To 40, Deduct	-0.52	
For >40, Deduct	-1.57	
For Galvanized, Add	4.59	
For Aluminum, Add	6.26	
For 304 Stainless Steel, Add	25.06	
For 316 Stainless Steel, Add	28.71	
05 59 69 00-0011 SF 0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	19.55	5.53
For Up To 2, Add	5.38	
For >2 To 6, Add	3.06	
For >15 To 40, Deduct	-0.61	
For >40, Deduct	-1.83	
For Galvanized, Add	5.36	
For Aluminum, Add	7.31	
For 304 Stainless Steel, Add	29.26	
For 316 Stainless Steel, Add	33.52	
05 59 69 00-0012 1-3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0013 SF 0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	10.42	3.19
For Up To 2, Add	2.93	
For >2 To 6, Add	1.68	
For >15 To 40, Deduct	-0.31	
For >40, Deduct	-0.93	
For Galvanized, Add	2.71	
For Aluminum, Add	3.70	
For 304 Stainless Steel, Add	14.81	
For 316 Stainless Steel, Add	16.97	
05 59 69 00-0014 SF 0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	11.47	3.36
For Up To 2, Add	3.19	
For >2 To 6, Add	1.82	
For >15 To 40, Deduct	-0.35	
For >40, Deduct	-1.05	
For Galvanized, Add	3.07	
For Aluminum, Add	4.19	
For 304 Stainless Steel, Add	16.75	
For 316 Stainless Steel, Add	19.20	
05 59 69 00-0015 SF 0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	12.33	3.77
For Up To 2, Add	3.47	
For >2 To 6, Add	1.99	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.09	
For Galvanized, Add	3.21	
For Aluminum, Add	4.37	
For 304 Stainless Steel, Add	17.50	
For 316 Stainless Steel, Add	20.05	
05 59 69 00-0016 SF 0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	12.88	3.89
For Up To 2, Add	3.61	
For >2 To 6, Add	2.07	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.15	
For Galvanized, Add	3.38	
For Aluminum, Add	4.61	
For 304 Stainless Steel, Add	18.46	
For 316 Stainless Steel, Add	21.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	14.09	4.36
			For Up To 2, Add	3.98	
			For >2 To 6, Add	2.28	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.24	
			For Galvanized, Add	3.64	
			For Aluminum, Add	4.96	
			For 304 Stainless Steel, Add	19.85	
			For 316 Stainless Steel, Add	22.74	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	16.20	4.88
			For Up To 2, Add	4.54	
			For >2 To 6, Add	2.60	
			For >15 To 40, Deduct	-0.49	
			For >40, Deduct	-1.46	
			For Galvanized, Add	4.27	
			For Aluminum, Add	5.82	
			For 304 Stainless Steel, Add	23.28	
			For 316 Stainless Steel, Add	26.68	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	18.35	5.35
			For Up To 2, Add	5.10	
			For >2 To 6, Add	2.90	
			For >15 To 40, Deduct	-0.56	
			For >40, Deduct	-1.68	
			For Galvanized, Add	4.94	
			For Aluminum, Add	6.73	
			For 304 Stainless Steel, Add	26.93	
			For 316 Stainless Steel, Add	30.86	
05 59 69 00-0020	SF		0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	21.05	5.94
			For Up To 2, Add	5.80	
			For >2 To 6, Add	3.29	
			For >15 To 40, Deduct	-0.66	
			For >40, Deduct	-1.97	
			For Galvanized, Add	5.77	
			For Aluminum, Add	7.87	
			For 304 Stainless Steel, Add	31.49	
			For 316 Stainless Steel, Add	36.08	
05 59 69 00-0021			1-1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022	SF		0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	11.54	3.55
			For Up To 2, Add	3.25	
			For >2 To 6, Add	1.86	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.02	
			For Galvanized, Add	3.01	
			For Aluminum, Add	4.10	
			For 304 Stainless Steel, Add	16.39	
			For 316 Stainless Steel, Add	18.78	
05 59 69 00-0023	SF		0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	12.69	3.73
			For Up To 2, Add	3.53	
			For >2 To 6, Add	2.01	
			For >15 To 40, Deduct	-0.39	
			For >40, Deduct	-1.16	
			For Galvanized, Add	3.40	
			For Aluminum, Add	4.63	
			For 304 Stainless Steel, Add	18.53	
			For 316 Stainless Steel, Add	21.23	
05 59 69 00-0024	SF		0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	13.49	4.13
			For Up To 2, Add	3.80	
			For >2 To 6, Add	2.18	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.20	
			For Galvanized, Add	3.51	
			For Aluminum, Add	4.79	
			For 304 Stainless Steel, Add	19.15	
			For 316 Stainless Steel, Add	21.95	
05 59 69 00-0025	SF		0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	14.22	4.30
			For Up To 2, Add	3.99	
			For >2 To 6, Add	2.28	
			For >15 To 40, Deduct	-0.42	
			For >40, Deduct	-1.27	
			For Galvanized, Add	3.74	
			For Aluminum, Add	5.09	
			For 304 Stainless Steel, Add	20.38	
			For 316 Stainless Steel, Add	23.35	
05 59 69 00-0026	SF		0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	15.50	4.80
			For Up To 2, Add	4.38	
			For >2 To 6, Add	2.51	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.36	
			For Galvanized, Add	4.00	
			For Aluminum, Add	5.45	
			For 304 Stainless Steel, Add	21.82	
			For 316 Stainless Steel, Add	25.00	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0027 SF 0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	17.70	5.33
For Up To 2, Add	4.96	
For >2 To 6, Add	2.83	
For >15 To 40, Deduct	-0.53	
For >40, Deduct	-1.59	
For Galvanized, Add	4.67	
For Aluminum, Add	6.37	
For 304 Stainless Steel, Add	25.46	
For 316 Stainless Steel, Add	29.18	
05 59 69 00-0028 SF 0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	20.07	5.85
For Up To 2, Add	5.57	
For >2 To 6, Add	3.18	
For >15 To 40, Deduct	-0.61	
For >40, Deduct	-1.84	
For Galvanized, Add	5.40	
For Aluminum, Add	7.36	
For 304 Stainless Steel, Add	29.45	
For 316 Stainless Steel, Add	33.74	
05 59 69 00-0029 SF 0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	22.96	6.49
For Up To 2, Add	6.32	
For >2 To 6, Add	3.59	
For >15 To 40, Deduct	-0.72	
For >40, Deduct	-2.15	
For Galvanized, Add	6.30	
For Aluminum, Add	8.59	
For 304 Stainless Steel, Add	34.37	
For 316 Stainless Steel, Add	39.38	
05 59 69 00-0030 1-1/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031 SF 0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	11.80	3.83
For Up To 2, Add	3.38	
For >2 To 6, Add	1.95	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-1.00	
For Galvanized, Add	2.94	
For Aluminum, Add	4.01	
For 304 Stainless Steel, Add	16.06	
For 316 Stainless Steel, Add	18.40	
05 59 69 00-0032 SF 0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	12.77	4.02
For Up To 2, Add	3.63	
For >2 To 6, Add	2.08	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.11	
For Galvanized, Add	3.26	
For Aluminum, Add	4.45	
For 304 Stainless Steel, Add	17.78	
For 316 Stainless Steel, Add	20.38	
05 59 69 00-0033 SF 0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	13.87	4.19
For Up To 2, Add	3.89	
For >2 To 6, Add	2.22	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.24	
For Galvanized, Add	3.65	
For Aluminum, Add	4.97	
For 304 Stainless Steel, Add	19.90	
For 316 Stainless Steel, Add	22.80	
05 59 69 00-0034 SF 0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	14.30	4.26
For Up To 2, Add	4.00	
For >2 To 6, Add	2.28	
For >15 To 40, Deduct	-0.43	
For >40, Deduct	-1.29	
For Galvanized, Add	3.79	
For Aluminum, Add	5.17	
For 304 Stainless Steel, Add	20.69	
For 316 Stainless Steel, Add	23.71	
05 59 69 00-0035 SF 0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	15.50	4.81
For Up To 2, Add	4.38	
For >2 To 6, Add	2.51	
For >15 To 40, Deduct	-0.45	
For >40, Deduct	-1.36	
For Galvanized, Add	4.00	
For Aluminum, Add	5.45	
For 304 Stainless Steel, Add	21.79	
For 316 Stainless Steel, Add	24.97	
05 59 69 00-0036 SF 0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	17.46	5.42
For Up To 2, Add	4.94	
For >2 To 6, Add	2.83	
For >15 To 40, Deduct	-0.51	
For >40, Deduct	-1.54	
For Galvanized, Add	4.51	
For Aluminum, Add	6.14	
For 304 Stainless Steel, Add	24.58	
For 316 Stainless Steel, Add	28.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	19.87	5.98
			For Up To 2, Add	5.57	
			For >2 To 6, Add	3.18	
			For >15 To 40, Deduct	-0.60	
			For >40, Deduct	-1.79	
			For Galvanized, Add	5.24	
			For Aluminum, Add	7.14	
			For 304 Stainless Steel, Add	28.56	
			For 316 Stainless Steel, Add	32.73	
05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	22.42	6.53
			For Up To 2, Add	6.23	
			For >2 To 6, Add	3.55	
			For >15 To 40, Deduct	-0.69	
			For >40, Deduct	-2.06	
			For Galvanized, Add	6.03	
			For Aluminum, Add	8.23	
			For 304 Stainless Steel, Add	32.90	
			For 316 Stainless Steel, Add	37.70	
05 59 69 00-0039	SF		0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	25.69	7.25
			For Up To 2, Add	7.07	
			For >2 To 6, Add	4.02	
			For >15 To 40, Deduct	-0.80	
			For >40, Deduct	-2.40	
			For Galvanized, Add	7.05	
			For Aluminum, Add	9.61	
			For 304 Stainless Steel, Add	38.45	
			For 316 Stainless Steel, Add	44.06	
05 59 69 00-0040			1" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0041	SF		0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	13.47	4.49
			For Up To 2, Add	3.89	
			For >2 To 6, Add	2.24	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.12	
			For Galvanized, Add	3.30	
			For Aluminum, Add	4.49	
			For 304 Stainless Steel, Add	17.98	
			For 316 Stainless Steel, Add	20.60	
05 59 69 00-0042	SF		0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	14.45	4.67
			For Up To 2, Add	4.14	
			For >2 To 6, Add	2.38	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.23	
			For Galvanized, Add	3.62	
			For Aluminum, Add	4.93	
			For 304 Stainless Steel, Add	19.73	
			For 316 Stainless Steel, Add	22.61	
05 59 69 00-0043	SF		0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	15.05	4.88
			For Up To 2, Add	4.31	
			For >2 To 6, Add	2.48	
			For >15 To 40, Deduct	-0.43	
			For >40, Deduct	-1.28	
			For Galvanized, Add	3.76	
			For Aluminum, Add	5.12	
			For 304 Stainless Steel, Add	20.50	
			For 316 Stainless Steel, Add	23.49	
05 59 69 00-0044	SF		0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	16.14	4.95
			For Up To 2, Add	4.55	
			For >2 To 6, Add	2.60	
			For >15 To 40, Deduct	-0.48	
			For >40, Deduct	-1.43	
			For Galvanized, Add	4.20	
			For Aluminum, Add	5.72	
			For 304 Stainless Steel, Add	22.90	
			For 316 Stainless Steel, Add	26.24	
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	17.95	5.57
			For Up To 2, Add	5.08	
			For >2 To 6, Add	2.91	
			For >15 To 40, Deduct	-0.53	
			For >40, Deduct	-1.58	
			For Galvanized, Add	4.63	
			For Aluminum, Add	6.31	
			For 304 Stainless Steel, Add	25.25	
			For 316 Stainless Steel, Add	28.93	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	20.15	6.24
			For Up To 2, Add	5.70	
			For >2 To 6, Add	3.26	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.77	
			For Galvanized, Add	5.20	
			For Aluminum, Add	7.09	
			For 304 Stainless Steel, Add	28.37	
			For 316 Stainless Steel, Add	32.51	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0047 SF 0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	23.05	6.93
For Up To 2, Add	6.46	
For >2 To 6, Add	3.69	
For >15 To 40, Deduct	-0.69	
For >40, Deduct	-2.07	
For Galvanized, Add	6.08	
For Aluminum, Add	8.29	
For 304 Stainless Steel, Add	33.14	
For 316 Stainless Steel, Add	37.98	
05 59 69 00-0048 SF 0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	25.95	7.57
For Up To 2, Add	7.21	
For >2 To 6, Add	4.11	
For >15 To 40, Deduct	-0.79	
For >40, Deduct	-2.38	
For Galvanized, Add	6.98	
For Aluminum, Add	9.52	
For 304 Stainless Steel, Add	38.09	
For 316 Stainless Steel, Add	43.64	
05 59 69 00-0049 SF 0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels	29.64	8.37
For Up To 2, Add	8.16	
For >2 To 6, Add	4.64	
For >15 To 40, Deduct	-0.92	
For >40, Deduct	-2.77	
For Galvanized, Add	8.13	
For Aluminum, Add	11.09	
For 304 Stainless Steel, Add	44.35	
For 316 Stainless Steel, Add	50.82	
05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0051 SF 0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	13.63	4.48
For Up To 2, Add	3.92	
For >2 To 6, Add	2.26	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.15	
For Galvanized, Add	3.37	
For Aluminum, Add	4.60	
For 304 Stainless Steel, Add	18.41	
For 316 Stainless Steel, Add	21.09	
05 59 69 00-0052 SF 0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels	15.23	5.02
For Up To 2, Add	4.38	
For >2 To 6, Add	2.53	
For >15 To 40, Deduct	-0.43	
For >40, Deduct	-1.28	
For Galvanized, Add	3.76	
For Aluminum, Add	5.12	
For 304 Stainless Steel, Add	20.50	
For 316 Stainless Steel, Add	23.49	
05 59 69 00-0053 SF 0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels	16.84	5.67
For Up To 2, Add	4.88	
For >2 To 6, Add	2.82	
For >15 To 40, Deduct	-0.46	
For >40, Deduct	-1.39	
For Galvanized, Add	4.09	
For Aluminum, Add	5.57	
For 304 Stainless Steel, Add	22.30	
For 316 Stainless Steel, Add	25.55	
05 59 69 00-0054 SF 0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels	18.23	6.04
For Up To 2, Add	5.26	
For >2 To 6, Add	3.03	
For >15 To 40, Deduct	-0.51	
For >40, Deduct	-1.52	
For Galvanized, Add	4.47	
For Aluminum, Add	6.10	
For 304 Stainless Steel, Add	24.38	
For 316 Stainless Steel, Add	27.94	
05 59 69 00-0055 SF 0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels	21.09	6.80
For Up To 2, Add	6.03	
For >2 To 6, Add	3.47	
For >15 To 40, Deduct	-0.60	
For >40, Deduct	-1.80	
For Galvanized, Add	5.29	
For Aluminum, Add	7.21	
For 304 Stainless Steel, Add	28.85	
For 316 Stainless Steel, Add	33.06	
05 59 69 00-0056 SF 0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels	24.28	7.61
For Up To 2, Add	6.88	
For >2 To 6, Add	3.95	
For >15 To 40, Deduct	-0.71	
For >40, Deduct	-2.12	
For Galvanized, Add	6.22	
For Aluminum, Add	8.48	
For 304 Stainless Steel, Add	33.94	
For 316 Stainless Steel, Add	38.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels	27.66	8.40
			For Up To 2, Add	7.77	
			For >2 To 6, Add	4.45	
			For >15 To 40, Deduct	-0.82	
			For >40, Deduct	-2.47	
			For Galvanized, Add	7.24	
			For Aluminum, Add	9.87	
			For 304 Stainless Steel, Add	39.48	
			For 316 Stainless Steel, Add	45.24	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels	31.02	9.14
			For Up To 2, Add	8.64	
			For >2 To 6, Add	4.93	
			For >15 To 40, Deduct	-0.94	
			For >40, Deduct	-2.82	
			For Galvanized, Add	8.29	
			For Aluminum, Add	11.30	
			For 304 Stainless Steel, Add	45.19	
			For 316 Stainless Steel, Add	51.78	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	35.39	10.11
			For Up To 2, Add	9.77	
			For >2 To 6, Add	5.56	
			For >15 To 40, Deduct	-1.10	
			For >40, Deduct	-3.29	
			For Galvanized, Add	9.64	
			For Aluminum, Add	13.15	
			For 304 Stainless Steel, Add	52.61	
			For 316 Stainless Steel, Add	60.28	
05 59 69 00-0060			1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	14.24	4.79
			For Up To 2, Add	4.13	
			For >2 To 6, Add	2.38	
			For >15 To 40, Deduct	-0.39	
			For >40, Deduct	-1.18	
			For Galvanized, Add	3.45	
			For Aluminum, Add	4.71	
			For 304 Stainless Steel, Add	18.84	
			For 316 Stainless Steel, Add	21.59	
05 59 69 00-0062	SF		0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	16.65	5.82
			For Up To 2, Add	4.89	
			For >2 To 6, Add	2.83	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.33	
			For Galvanized, Add	3.90	
			For Aluminum, Add	5.32	
			For 304 Stainless Steel, Add	21.29	
			For 316 Stainless Steel, Add	24.39	
05 59 69 00-0063	SF		0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	20.13	6.89
			For Up To 2, Add	5.86	
			For >2 To 6, Add	3.39	
			For >15 To 40, Deduct	-0.55	
			For >40, Deduct	-1.64	
			For Galvanized, Add	4.81	
			For Aluminum, Add	6.56	
			For 304 Stainless Steel, Add	26.26	
			For 316 Stainless Steel, Add	30.09	
05 59 69 00-0064	SF		0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	23.23	7.73
			For Up To 2, Add	6.71	
			For >2 To 6, Add	3.87	
			For >15 To 40, Deduct	-0.65	
			For >40, Deduct	-1.94	
			For Galvanized, Add	5.68	
			For Aluminum, Add	7.75	
			For 304 Stainless Steel, Add	31.01	
			For 316 Stainless Steel, Add	35.53	
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	26.69	8.63
			For Up To 2, Add	7.64	
			For >2 To 6, Add	4.39	
			For >15 To 40, Deduct	-0.76	
			For >40, Deduct	-2.28	
			For Galvanized, Add	6.68	
			For Aluminum, Add	9.11	
			For 304 Stainless Steel, Add	36.46	
			For 316 Stainless Steel, Add	41.77	
05 59 69 00-0066	SF		0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	30.62	9.61
			For Up To 2, Add	8.69	
			For >2 To 6, Add	4.99	
			For >15 To 40, Deduct	-0.89	
			For >40, Deduct	-2.67	
			For Galvanized, Add	7.83	
			For Aluminum, Add	10.68	
			For 304 Stainless Steel, Add	42.72	
			For 316 Stainless Steel, Add	48.95	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	34.69	10.57
For Up To 2, Add	9.76	
For >2 To 6, Add	5.58	
For >15 To 40, Deduct	-1.03	
For >40, Deduct	-3.09	
For Galvanized, Add	9.06	
For Aluminum, Add	12.36	
For 304 Stainless Steel, Add	49.44	
For 316 Stainless Steel, Add	56.65	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	38.78	11.46
For Up To 2, Add	10.81	
For >2 To 6, Add	6.17	
For >15 To 40, Deduct	-1.18	
For >40, Deduct	-3.53	
For Galvanized, Add	10.34	
For Aluminum, Add	14.10	
For 304 Stainless Steel, Add	56.40	
For 316 Stainless Steel, Add	64.63	
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels	40.31	12.61
For Up To 2, Add	11.42	
For >2 To 6, Add	6.55	
For >15 To 40, Deduct	-1.18	
For >40, Deduct	-3.53	
For Galvanized, Add	10.34	
For Aluminum, Add	14.10	
For 304 Stainless Steel, Add	56.40	
For 316 Stainless Steel, Add	64.63	
05 59 69 00-0070 Expanded Metal Panels <small>(05 59 69)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	11.21	4.13
For Galvanized, Add	2.51	
For Aluminum, Add	3.42	
For 304 Stainless Steel, Add	13.68	
For 316 Stainless Steel, Add	15.68	
05 59 69 00-0073 SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	14.09	4.52
For Galvanized, Add	3.55	
For Aluminum, Add	4.84	
For 304 Stainless Steel, Add	19.34	
For 316 Stainless Steel, Add	22.17	
05 59 69 00-0074 SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	8.08	3.19
For Galvanized, Add	1.69	
For Aluminum, Add	2.30	
For 304 Stainless Steel, Add	9.19	
For 316 Stainless Steel, Add	10.53	
05 59 69 00-0075 SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	8.82	3.48
For Galvanized, Add	1.84	
For Aluminum, Add	2.51	
For 304 Stainless Steel, Add	10.06	
For 316 Stainless Steel, Add	11.52	
05 59 69 00-0076 SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	9.99	4.13
For Galvanized, Add	1.97	
For Aluminum, Add	2.69	
For 304 Stainless Steel, Add	10.75	
For 316 Stainless Steel, Add	12.32	
05 59 69 00-0077 SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	12.78	5.33
For Galvanized, Add	2.50	
For Aluminum, Add	3.41	
For 304 Stainless Steel, Add	13.66	
For 316 Stainless Steel, Add	15.65	
05 59 69 00-0078 SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	7.05	3.13
For Galvanized, Add	1.26	
For Aluminum, Add	1.72	
For 304 Stainless Steel, Add	6.86	
For 316 Stainless Steel, Add	7.87	
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	7.89	3.36
For Galvanized, Add	1.50	
For Aluminum, Add	2.04	
For 304 Stainless Steel, Add	8.16	
For 316 Stainless Steel, Add	9.35	
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	9.02	3.77
For Galvanized, Add	1.75	
For Aluminum, Add	2.39	
For 304 Stainless Steel, Add	9.55	
For 316 Stainless Steel, Add	10.95	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF	14.21	6.24
For Galvanized, Add	2.59	
For Aluminum, Add	3.53	
For 304 Stainless Steel, Add	14.11	
For 316 Stainless Steel, Add	16.17	

05	05 Metals
	05 50 Metal Fabrications
	05 59 Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	7.88	3.83
For Galvanized, Add	1.22	
For Aluminum, Add	1.66	
For 304 Stainless Steel, Add	6.65	
For 316 Stainless Steel, Add	7.62	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	6.80	3.01
For Galvanized, Add	1.22	
For Aluminum, Add	1.67	
For 304 Stainless Steel, Add	6.67	
For 316 Stainless Steel, Add	7.65	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	7.84	3.55
For Galvanized, Add	1.38	
For Aluminum, Add	1.88	
For 304 Stainless Steel, Add	7.51	
For 316 Stainless Steel, Add	8.61	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	12.17	4.79
For Galvanized, Add	2.54	
For Aluminum, Add	3.47	
For 304 Stainless Steel, Add	13.87	
For 316 Stainless Steel, Add	15.90	

05 70 Decorative Metal ⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs ^(05 70)

05 71 13 Fabricated Metal Spiral Stairs ^(05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units ^(05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread ^(05 71 13 00-0001)

05 71 13 00-0003 VLF 3'-6" Diameter, Spiral Steel Stair With Rails	474.81	54.94
For Galvanized, Add	255.45	
05 71 13 00-0004 VLF 4' Diameter, Spiral Steel Stair With Rails	540.97	60.44
For Galvanized, Add	294.07	
05 71 13 00-0005 VLF 4'-6" Diameter, Spiral Steel Stair With Rails	598.63	65.93
For Galvanized, Add	326.74	
05 71 13 00-0006 VLF 5' Diameter, Spiral Steel Stair With Rails	641.45	71.42
For Galvanized, Add	349.02	

05 73 Decorative Metal Railings ^(05 70)

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings ^(05 73)

05 73 23 00-0001 Railings; Vertical Square Bars At 6" ^(05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002 LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	72.71	12.09
For Rake Or Angle Railings, Add	10.35	
For Curved Railings, Add	18.59	
For 4" On Center Standards, Add	1.80	
For 4-1/2" On Center Standards, Add	1.44	
For 5" On Center Standards, Add	0.96	
For 5-1/2" On Center Standards, Add	0.48	
For Each Field Bending Of Rails, Add	14.68	
For Galvanized, Add	3.36	
05 73 23 00-0003 LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	177.53	16.48
For Rake Or Angle Railings, Add	19.35	
For Curved Railings, Add	62.01	
For 4" On Center Standards, Add	8.29	
For 4-1/2" On Center Standards, Add	6.63	
For 5" On Center Standards, Add	4.42	
For 5-1/2" On Center Standards, Add	2.21	
For Each Field Bending Of Rails, Add	19.25	
05 73 23 00-0004 LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	256.89	27.47
For Rake Or Angle Railings, Add	27.98	
For Curved Railings, Add	89.79	
For 4" On Center Standards, Add	12.01	
For 4-1/2" On Center Standards, Add	9.61	
For 5" On Center Standards, Add	6.41	
For 5-1/2" On Center Standards, Add	3.20	
For Each Field Bending Of Rails, Add	26.68	
05 73 23 00-0005 LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	295.32	21.97
For Rake Or Angle Railings, Add	29.67	
For Curved Railings, Add	110.24	
For 4" On Center Standards, Add	15.46	
For 4-1/2" On Center Standards, Add	12.36	
For 5" On Center Standards, Add	8.24	
For 5-1/2" On Center Standards, Add	4.12	
For Each Field Bending Of Rails, Add	24.81	



Metals	05	05
Decorative Metal	05 70	
Decorative Metal Railings	05 73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0006 LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	248.79	33.51
For Rake Or Angle Railings, Add	24.06	
For Curved Railings, Add	95.48	
For 4" On Center Standards, Add	13.63	
For 4-1/2" On Center Standards, Add	10.91	
For 5" On Center Standards, Add	7.27	
For 5-1/2" On Center Standards, Add	3.64	
For Each Field Bending Of Rails, Add	19.26	
05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)		
05 73 23 00-0008 LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	172.11	5.50
For Rake Or Angle Railings, Add	13.59	
For Curved Railings, Add	74.64	
For 4" On Center Standards, Add	11.44	
For 4-1/2" On Center Standards, Add	9.15	
For 5" On Center Standards, Add	6.10	
For 5-1/2" On Center Standards, Add	3.05	
For Each Field Bending Of Rails, Add	7.39	
05 73 23 00-0009 Plain Handrails (05 73 23)		
05 73 23 00-0010 LF 2" Brass Handrail	56.77	11.52
05 73 23 00-0011 EA 90 Degree Angle For 2" Brass Handrail	120.75	43.42
05 73 23 00-0012 EA End Cap For 2" Brass Handrail	54.60	21.77
05 73 23 00-0013 EA Brass Bracket And Joint For 2" Brass Handrail	91.16	43.42
05 73 23 00-0014 LF 2" Stainless Steel Handrail	71.00	14.39
05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73 23)		
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0365 for painting.		
05 73 23 00-0016 LF Refinish Metal Handrail	10.54	
05 73 23 00-0017 LF Refinish Wrought Iron Balustrade	10.50	
05 73 23 00-0018 Remove And Reinstall Ornamental Railing (05 73 23)		
05 73 23 00-0019 LF Removal And Reinstallation Of Ornamental Handrail And Pickets	101.09	
05 75 Decorative Formed Metal (05 70)		
05 75 00 00-0001 Metal Sheets, Installed On Walls (05 75)		
Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.		
05 75 00 00-0002 Copper Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0003 SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.75	2.48
For >16 To 200, Deduct	-1.62	
For >200 To 500, Deduct	-3.25	
For >500, Deduct	-4.69	
05 75 00 00-0004 SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	35.89	2.77
For >16 To 200, Deduct	-2.00	
For >200 To 500, Deduct	-4.00	
For >500, Deduct	-5.80	
05 75 00 00-0005 SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	39.29	2.98
For >16 To 200, Deduct	-2.19	
For >200 To 500, Deduct	-4.38	
For >500, Deduct	-6.34	
05 75 00 00-0006 SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	42.43	3.13
For >16 To 200, Deduct	-2.36	
For >200 To 500, Deduct	-4.71	
For >500, Deduct	-6.84	
05 75 00 00-0007 SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	48.39	3.27
For >16 To 200, Deduct	-2.67	
For >200 To 500, Deduct	-5.33	
For >500, Deduct	-7.75	
05 75 00 00-0008 SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	61.28	3.43
For >16 To 200, Deduct	-3.32	
For >200 To 500, Deduct	-6.64	
For >500, Deduct	-9.71	
05 75 00 00-0009 SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	71.81	3.59
For >16 To 200, Deduct	-3.86	
For >200 To 500, Deduct	-7.72	
For >500, Deduct	-11.31	
05 75 00 00-0010 SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	86.93	3.88
For >16 To 200, Deduct	-4.64	
For >200 To 500, Deduct	-9.28	
For >500, Deduct	-13.62	
05 75 00 00-0011 SF 0.08" Thick Copper Sheet, Installed On Walls	106.77	4.18
For >16 To 200, Deduct	-5.65	
For >200 To 500, Deduct	-11.30	
For >500, Deduct	-16.64	

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0012 SF 0.125" Thick Copper Sheet, Installed On Walls	156.77	4.48
For >16 To 200, Deduct	-8.17	
For >200 To 500, Deduct	-16.35	
For >500, Deduct	-24.19	
05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0014 SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.29	2.44
For >16 To 200, Deduct	-0.90	
For >200 To 500, Deduct	-1.79	
For >500, Deduct	-2.51	
05 75 00 00-0015 SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.13	2.63
For >16 To 200, Deduct	-1.00	
For >200 To 500, Deduct	-2.01	
For >500, Deduct	-2.81	
05 75 00 00-0016 SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.52	2.76
For >16 To 200, Deduct	-1.08	
For >200 To 500, Deduct	-2.17	
For >500, Deduct	-3.04	
05 75 00 00-0017 SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.40	2.89
For >16 To 200, Deduct	-1.24	
For >200 To 500, Deduct	-2.47	
For >500, Deduct	-3.49	
05 75 00 00-0018 SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.21	3.02
For >16 To 200, Deduct	-1.39	
For >200 To 500, Deduct	-2.78	
For >500, Deduct	-3.94	
05 75 00 00-0019 SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	26.73	3.16
For >16 To 200, Deduct	-1.57	
For >200 To 500, Deduct	-3.15	
For >500, Deduct	-4.48	
05 75 00 00-0020 SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	38.16	3.68
For >16 To 200, Deduct	-2.18	
For >200 To 500, Deduct	-4.37	
For >500, Deduct	-6.28	
05 75 00 00-0021 SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	51.23	3.91
For >16 To 200, Deduct	-2.85	
For >200 To 500, Deduct	-5.71	
For >500, Deduct	-8.27	
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	69.92	4.73
For >16 To 200, Deduct	-3.85	
For >200 To 500, Deduct	-7.70	
For >500, Deduct	-11.20	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	115.90	5.08
For >16 To 200, Deduct	-6.18	
For >200 To 500, Deduct	-12.35	
For >500, Deduct	-18.15	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	148.10	5.91
For >16 To 200, Deduct	-7.85	
For >200 To 500, Deduct	-15.70	
For >500, Deduct	-23.10	
05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	10.77	2.48
For >16 To 200, Deduct	-0.73	
For >200 To 500, Deduct	-1.45	
For >500, Deduct	-1.99	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	12.18	2.77
For >16 To 200, Deduct	-0.82	
For >200 To 500, Deduct	-1.63	
For >500, Deduct	-2.24	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	13.53	2.98
For >16 To 200, Deduct	-0.90	
For >200 To 500, Deduct	-1.80	
For >500, Deduct	-2.48	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	14.88	3.13
For >16 To 200, Deduct	-0.98	
For >200 To 500, Deduct	-1.96	
For >500, Deduct	-2.70	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	16.22	3.27
For >16 To 200, Deduct	-1.06	
For >200 To 500, Deduct	-2.12	
For >500, Deduct	-2.93	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	17.68	3.43
For >16 To 200, Deduct	-1.14	
For >200 To 500, Deduct	-2.28	
For >500, Deduct	-3.17	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	19.46	3.59
For >16 To 200, Deduct	-1.24	
For >200 To 500, Deduct	-2.48	
For >500, Deduct	-3.46	



Metals	05	05
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	23.08	4.18
<i>For >16 To 200, Deduct</i>	-1.47	
<i>For >200 To 500, Deduct</i>	-2.94	
<i>For >500, Deduct</i>	-4.09	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.14	2.48
<i>For >16 To 200, Deduct</i>	-0.69	
<i>For >200 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.89	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.25	2.77
<i>For >16 To 200, Deduct</i>	-0.77	
<i>For >200 To 500, Deduct</i>	-1.54	
<i>For >500, Deduct</i>	-2.10	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.99	2.98
<i>For >16 To 200, Deduct</i>	-0.82	
<i>For >200 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-2.25	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.71	3.13
<i>For >16 To 200, Deduct</i>	-0.87	
<i>For >200 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.38	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.64	3.27
<i>For >16 To 200, Deduct</i>	-0.93	
<i>For >200 To 500, Deduct</i>	-1.86	
<i>For >500, Deduct</i>	-2.54	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.64	3.43
<i>For >16 To 200, Deduct</i>	-0.99	
<i>For >200 To 500, Deduct</i>	-1.98	
<i>For >500, Deduct</i>	-2.71	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	16.21	3.59
<i>For >16 To 200, Deduct</i>	-1.08	
<i>For >200 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.97	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.48	3.88
<i>For >16 To 200, Deduct</i>	-1.22	
<i>For >200 To 500, Deduct</i>	-2.43	
<i>For >500, Deduct</i>	-3.35	
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	21.30	4.48
<i>For >16 To 200, Deduct</i>	-1.40	
<i>For >200 To 500, Deduct</i>	-2.80	
<i>For >500, Deduct</i>	-3.87	
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.40	2.35
<i>For >16 To 200, Deduct</i>	-0.91	
<i>For >200 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.48	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	15.47	2.67
<i>For >16 To 200, Deduct</i>	-1.04	
<i>For >200 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.85	
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	17.49	2.96
<i>For >16 To 200, Deduct</i>	-1.17	
<i>For >200 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-3.22	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	19.30	3.20
<i>For >16 To 200, Deduct</i>	-1.29	
<i>For >200 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.54	

END OF SECTION 05

05	05	Metals
	05 70	Decorative Metal
	05 75	Decorative Formed Metal



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	-----	-------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites ⁽⁰⁶⁾

06 01 20 Maintenance of Finish Carpentry ^(06 01)

06 01 20 91 Finish Carpentry Restoration ^(06 01 20)

06 01 20 91-0001	Wood Trim Repair ^(06 01 20 91)	
06 01 20 91-0002	SF Restoration Of Existing Decorative Woodwork.....	9.64
	Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	

06 01 40 Maintenance of Architectural Woodwork ^(06 01)

06 01 40 91 Architectural Woodwork Restoration ^(06 01 40)

06 01 40 91-0001	Cabinet Hardware Replacement ^(06 01 40 91)	
06 01 40 91-0002	EA Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	49.88
06 01 40 91-0003	EA Removal And Replacement Of Semi Concealed, Brass Cabinet Hinges.....	43.57

06 05 Common Work Results for Wood, Plastics, and Composites ⁽⁰⁶⁾

06 05 23 Wood, Plastic, and Composite Fastenings ^(06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts ^(06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt	15.86
	For >10 To 50, Deduct	-0.45
	For >50 To 100, Deduct	-1.08
	For >100 To 250, Deduct	-2.15
	For >250 To 500, Deduct	-3.68
	For >500, Deduct	-5.21
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	21.60
	For >10 To 50, Deduct	-0.49
	For >50 To 100, Deduct	-1.27
	For >100 To 250, Deduct	-2.55
	For >250 To 500, Deduct	-4.31
	For >500, Deduct	-6.07
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	23.93
	For >10 To 50, Deduct	-0.49
	For >50 To 100, Deduct	-1.33
	For >100 To 250, Deduct	-2.66
	For >250 To 500, Deduct	-4.48
	For >500, Deduct	-6.30
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt	48.65
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-2.22
	For >100 To 250, Deduct	-4.44
	For >250 To 500, Deduct	-7.33
	For >500, Deduct	-10.21

06 05 23 00-0006 Framing Anchors ^(06 05 23)

Note: Including nails.

06 05 23 00-0007	EA 1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	7.93		3.81
	For >10 To 50, Deduct	-0.36		
	For >50 To 100, Deduct	-0.74		
	For >100 To 250, Deduct	-1.49		
	For >250 To 500, Deduct	-2.59		
	For >500, Deduct	-3.70		
06 05 23 00-0008	EA 1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	8.86		4.19
	For >10 To 50, Deduct	-0.41		
	For >50 To 100, Deduct	-0.83		
	For >100 To 250, Deduct	-1.67		
	For >250 To 500, Deduct	-2.91		
	For >500, Deduct	-4.15		

06 05 23 00-0009 Angle Anchors ^(06 05 23)

Note: Including nails.

06 05 23 00-0010	EA 2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	8.02		3.81
	For >10 To 50, Deduct	-0.36		
	For >50 To 100, Deduct	-0.75		
	For >100 To 250, Deduct	-1.49		
	For >250 To 500, Deduct	-2.60		
	For >500, Deduct	-3.71		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0011 EA 2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23).....	8.75	4.06
For>10 To 50, Deduct	-0.39	
For>50 To 100, Deduct	-0.80	
For>100 To 250, Deduct	-1.60	
For>250 To 500, Deduct	-2.78	
For>500, Deduct	-3.97	
06 05 23 00-0012 EA 3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24).....	14.29	4.19
For>10 To 50, Deduct	-0.41	
For>50 To 100, Deduct	-0.97	
For>100 To 250, Deduct	-1.94	
For>250 To 500, Deduct	-3.32	
For>500, Deduct	-4.69	
06 05 23 00-0013 EA 3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33).....	13.00	4.19
For>10 To 50, Deduct	-0.41	
For>50 To 100, Deduct	-0.94	
For>100 To 250, Deduct	-1.87	
For>250 To 500, Deduct	-3.22	
For>500, Deduct	-4.56	
06 05 23 00-0014 EA 4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44).....	14.22	4.70
For>10 To 50, Deduct	-0.45	
For>50 To 100, Deduct	-1.03	
For>100 To 250, Deduct	-2.06	
For>250 To 500, Deduct	-3.54	
For>500, Deduct	-5.02	
06 05 23 00-0015 EA 5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66).....	16.04	4.95
For>10 To 50, Deduct	-0.48	
For>50 To 100, Deduct	-1.13	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-3.86	
For>500, Deduct	-5.47	
06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors (06 05 23)		
Note: Including nails.		
06 05 23 00-0017 EA 3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30).....	8.70	3.56
For>10 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-0.76	
For>100 To 250, Deduct	-1.52	
For>250 To 500, Deduct	-2.65	
For>500, Deduct	-3.77	
06 05 23 00-0018 EA 5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50).....	10.55	3.81
For>10 To 50, Deduct	-0.38	
For>50 To 100, Deduct	-0.84	
For>100 To 250, Deduct	-1.68	
For>250 To 500, Deduct	-2.91	
For>500, Deduct	-4.13	
06 05 23 00-0019 EA 7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70).....	11.88	3.93
For>10 To 50, Deduct	-0.40	
For>50 To 100, Deduct	-0.89	
For>100 To 250, Deduct	-1.79	
For>250 To 500, Deduct	-3.07	
For>500, Deduct	-4.36	
06 05 23 00-0020 EA 9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90).....	13.11	4.06
For>10 To 50, Deduct	-0.42	
For>50 To 100, Deduct	-0.95	
For>100 To 250, Deduct	-1.91	
For>250 To 500, Deduct	-3.27	
For>500, Deduct	-4.64	
06 05 23 00-0021 EA 3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30).....	9.40	3.56
For>10 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-0.78	
For>100 To 250, Deduct	-1.56	
For>250 To 500, Deduct	-2.70	
For>500, Deduct	-3.84	
06 05 23 00-0022 EA 4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50).....	10.31	3.81
For>10 To 50, Deduct	-0.38	
For>50 To 100, Deduct	-0.83	
For>100 To 250, Deduct	-1.67	
For>250 To 500, Deduct	-2.89	
For>500, Deduct	-4.11	
06 05 23 00-0023 EA 6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70).....	11.82	3.93
For>10 To 50, Deduct	-0.40	
For>50 To 100, Deduct	-0.89	
For>100 To 250, Deduct	-1.78	
For>250 To 500, Deduct	-3.07	
For>500, Deduct	-4.36	
06 05 23 00-0024 EA 7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90).....	13.85	4.06
For>10 To 50, Deduct	-0.42	
For>50 To 100, Deduct	-0.97	
For>100 To 250, Deduct	-1.94	
For>250 To 500, Deduct	-3.33	
For>500, Deduct	-4.72	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0025				Hold Down Anchors (06 05 23) Note: Including nails.		
06 05 23 00-0026	EA			8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B).....	60.83	
				<i>For >10 To 50, Deduct</i>	-1.97	
				<i>For >50 To 100, Deduct</i>	-4.47	
				<i>For >100 To 250, Deduct</i>	-8.95	
				<i>For >250 To 500, Deduct</i>	-15.39	
				<i>For >500, Deduct</i>	-21.83	
06 05 23 00-0027	EA			9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B).....	82.85	
				<i>For >10 To 50, Deduct</i>	-2.03	
				<i>For >50 To 100, Deduct</i>	-5.12	
				<i>For >100 To 250, Deduct</i>	-10.24	
				<i>For >250 To 500, Deduct</i>	-17.39	
				<i>For >500, Deduct</i>	-24.54	
06 05 23 00-0028	EA			12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B).....	101.06	
				<i>For >10 To 50, Deduct</i>	-2.16	
				<i>For >50 To 100, Deduct</i>	-5.77	
				<i>For >100 To 250, Deduct</i>	-11.53	
				<i>For >250 To 500, Deduct</i>	-19.45	
				<i>For >500, Deduct</i>	-27.38	
06 05 23 00-0029	EA			14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B).....	118.83	
				<i>For >10 To 50, Deduct</i>	-2.41	
				<i>For >50 To 100, Deduct</i>	-6.59	
				<i>For >100 To 250, Deduct</i>	-13.18	
				<i>For >250 To 500, Deduct</i>	-22.18	
				<i>For >500, Deduct</i>	-31.18	
06 05 23 00-0030	EA			20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12).....	189.70	
				<i>For >10 To 50, Deduct</i>	-3.05	
				<i>For >50 To 100, Deduct</i>	-9.31	
				<i>For >100 To 250, Deduct</i>	-18.63	
				<i>For >250 To 500, Deduct</i>	-30.99	
				<i>For >500, Deduct</i>	-43.35	
06 05 23 00-0031	EA			24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19).....	252.46	
				<i>For >10 To 50, Deduct</i>	-3.17	
				<i>For >50 To 100, Deduct</i>	-11.07	
				<i>For >100 To 250, Deduct</i>	-22.15	
				<i>For >250 To 500, Deduct</i>	-36.39	
				<i>For >500, Deduct</i>	-50.64	
06 05 23 00-0032	EA			8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5).....	70.48	
				<i>For >10 To 50, Deduct</i>	-1.97	
				<i>For >50 To 100, Deduct</i>	-4.71	
				<i>For >100 To 250, Deduct</i>	-9.43	
				<i>For >250 To 500, Deduct</i>	-16.11	
				<i>For >500, Deduct</i>	-22.79	
06 05 23 00-0033	EA			10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5).....	77.52	
				<i>For >10 To 50, Deduct</i>	-2.03	
				<i>For >50 To 100, Deduct</i>	-4.99	
				<i>For >100 To 250, Deduct</i>	-9.97	
				<i>For >250 To 500, Deduct</i>	-16.99	
				<i>For >500, Deduct</i>	-24.01	
06 05 23 00-0034	EA			13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5).....	86.45	
				<i>For >10 To 50, Deduct</i>	-2.16	
				<i>For >50 To 100, Deduct</i>	-5.40	
				<i>For >100 To 250, Deduct</i>	-10.80	
				<i>For >250 To 500, Deduct</i>	-18.36	
				<i>For >500, Deduct</i>	-25.92	
06 05 23 00-0035	EA			16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5).....	105.91	
				<i>For >10 To 50, Deduct</i>	-2.41	
				<i>For >50 To 100, Deduct</i>	-6.27	
				<i>For >100 To 250, Deduct</i>	-12.53	
				<i>For >250 To 500, Deduct</i>	-21.21	
				<i>For >500, Deduct</i>	-29.89	
06 05 23 00-0036	EA			22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5).....	136.20	
				<i>For >10 To 50, Deduct</i>	-3.05	
				<i>For >50 To 100, Deduct</i>	-7.98	
				<i>For >100 To 250, Deduct</i>	-15.95	
				<i>For >250 To 500, Deduct</i>	-26.98	
				<i>For >500, Deduct</i>	-38.00	
06 05 23 00-0037	EA			25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5).....	151.40	
				<i>For >10 To 50, Deduct</i>	-3.17	
				<i>For >50 To 100, Deduct</i>	-8.55	
				<i>For >100 To 250, Deduct</i>	-17.09	
				<i>For >250 To 500, Deduct</i>	-28.81	
				<i>For >500, Deduct</i>	-40.54	
06 05 23 00-0038				Joist And Beam Hangers (06 05 23) Note: Including nails.		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0039 EA 18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24).....	8.36	3.56
For >10 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.75	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-2.62	
For >500, Deduct	-3.74	
06 05 23 00-0040 EA 18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28).....	9.25	3.81
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.81	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-4.00	
06 05 23 00-0041 EA 16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36).....	12.51	3.93
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.91	
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.12	
For >500, Deduct	-4.43	
06 05 23 00-0042 EA 16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310).....	13.56	4.06
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-0.96	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-3.31	
For >500, Deduct	-4.69	
06 05 23 00-0043 EA 14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46).....	20.07	4.31
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-3.86	
For >500, Deduct	-5.44	
06 05 23 00-0044 EA 14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412).....	23.69	4.45
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-1.25	
For >100 To 250, Deduct	-2.50	
For >250 To 500, Deduct	-4.19	
For >500, Deduct	-5.89	
06 05 23 00-0045 Anchor And Ties (06 05 23)		
Note: Including nails.		
06 05 23 00-0046 EA 12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4).....	34.99	
Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047 EA 16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5).....	43.32	
Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048 EA 16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ).....	4.92	
06 05 23 00-0049 EA 16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ).....	5.48	
06 05 23 00-0050 Hurricane Ties (06 05 23)		
06 05 23 00-0051 EA 6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A).....	9.29	3.93
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.89	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-4.43	
06 05 23 00-0052 EA 6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ).....	3.27	
06 05 23 00-0053 EA 6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS).....	8.16	
06 05 23 00-0054 EA 10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A).....	11.10	3.93
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.93	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-4.61	
06 05 23 00-0055 EA 19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6).....	17.22	
06 05 23 00-0056 Post Column Bases (06 05 23)		
Note: Including nails.		
06 05 23 00-0057 EA Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44).....	33.88	
06 05 23 00-0058 EA Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46).....	50.41	
06 05 23 00-0059 EA Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66).....	51.86	
06 05 23 00-0060 Post Column Caps (06 05 23)		
Note: Including nails.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0061 EA 4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	18.18	4.45
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100 To 250, Deduct</i>	-2.37	
<i>For >250 To 500, Deduct</i>	-4.05	
<i>For >500, Deduct</i>	-5.73	
06 05 23 00-0062 EA 6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	38.18	4.45
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100 To 250, Deduct</i>	-3.46	
<i>For >250 To 500, Deduct</i>	-5.70	
<i>For >500, Deduct</i>	-7.94	
06 05 23 00-0063 EA 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	186.54	
Note: Excludes field welding		
<i>For >10 To 50, Deduct</i>	-1.27	
<i>For >50 To 100, Deduct</i>	-6.57	
<i>For >100 To 250, Deduct</i>	-13.14	
<i>For >250 To 500, Deduct</i>	-20.97	
<i>For >500, Deduct</i>	-28.81	
<i>For Hot Dipped Galvanized, Add</i>	72.52	
06 05 23 00-0064 EA 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	195.67	
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-7.03	
<i>For >100 To 250, Deduct</i>	-14.07	
<i>For >250 To 500, Deduct</i>	-22.53	
<i>For >500, Deduct</i>	-31.00	
<i>For Hot Dipped Galvanized, Add</i>	75.20	
06 05 23 00-0065 EA 4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)	122.19	
Note: Excludes field welding		
<i>For >10 To 50, Deduct</i>	-1.27	
<i>For >50 To 100, Deduct</i>	-4.96	
<i>For >100 To 250, Deduct</i>	-9.92	
<i>For >250 To 500, Deduct</i>	-16.15	
<i>For >500, Deduct</i>	-22.38	
<i>For Hot Dipped Galvanized, Add</i>	43.56	
06 05 23 00-0066 EA 4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	191.76	
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-6.94	
<i>For >100 To 250, Deduct</i>	-13.87	
<i>For >250 To 500, Deduct</i>	-22.24	
<i>For >500, Deduct</i>	-30.60	
<i>For Hot Dipped Galvanized, Add</i>	73.44	
06 05 23 00-0067 EA 4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)	200.21	
Note: Excludes field welding		
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-7.15	
<i>For >100 To 250, Deduct</i>	-14.30	
<i>For >250 To 500, Deduct</i>	-22.87	
<i>For >500, Deduct</i>	-31.45	
<i>For Hot Dipped Galvanized, Add</i>	77.24	
06 05 23 00-0068 EA 6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	204.23	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-7.15	
<i>For >100 To 250, Deduct</i>	-14.31	
<i>For >250 To 500, Deduct</i>	-22.83	
<i>For >500, Deduct</i>	-31.35	
<i>For Hot Dipped Galvanized, Add</i>	79.61	
06 05 23 00-0069 EA 6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	206.76	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-7.41	
<i>For >100 To 250, Deduct</i>	-14.81	
<i>For >250 To 500, Deduct</i>	-23.71	
<i>For >500, Deduct</i>	-32.61	
<i>For Hot Dipped Galvanized, Add</i>	79.61	
06 05 23 00-0070 EA 6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	206.76	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-7.41	
<i>For >100 To 250, Deduct</i>	-14.81	
<i>For >250 To 500, Deduct</i>	-23.71	
<i>For >500, Deduct</i>	-32.61	
<i>For Hot Dipped Galvanized, Add</i>	79.61	
06 05 23 00-0071 EA 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	237.38	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-7.98	
<i>For >100 To 250, Deduct</i>	-15.97	
<i>For >250 To 500, Deduct</i>	-25.31	
<i>For >500, Deduct</i>	-34.66	
<i>For Hot Dipped Galvanized, Add</i>	94.53	
06 05 23 00-0072 EA 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	239.91	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-8.24	
<i>For >100 To 250, Deduct</i>	-16.47	
<i>For >250 To 500, Deduct</i>	-26.20	
<i>For >500, Deduct</i>	-35.93	
<i>For Hot Dipped Galvanized, Add</i>	94.53	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0073 EA 5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	239.91	
For >10 To 50, Deduct	-1.49	
For >50 To 100, Deduct	-8.24	
For >100 To 250, Deduct	-16.47	
For >250 To 500, Deduct	-26.20	
For >500, Deduct	-35.93	
For Hot Dipped Galvanized, Add	94.53	
06 05 23 00-0074 EA 8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84).....	288.71	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-9.27	
For >100 To 250, Deduct	-18.53	
For >250 To 500, Deduct	-29.16	
For >500, Deduct	-39.80	
For Hot Dipped Galvanized, Add	117.63	
06 05 23 00-0075 EA 8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86).....	291.24	
For >10 To 50, Deduct	-1.49	
For >50 To 100, Deduct	-9.52	
For >100 To 250, Deduct	-19.04	
For >250 To 500, Deduct	-30.05	
For >500, Deduct	-41.06	
For Hot Dipped Galvanized, Add	117.63	
06 05 23 00-0076 EA 8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88).....	291.24	
For >10 To 50, Deduct	-1.49	
For >50 To 100, Deduct	-9.52	
For >100 To 250, Deduct	-19.04	
For >250 To 500, Deduct	-30.05	
For >500, Deduct	-41.06	
For Hot Dipped Galvanized, Add	117.63	
06 05 23 00-0077 EA 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4).....	186.54	
Note: Excludes field welding		
For >10 To 50, Deduct	-1.27	
For >50 To 100, Deduct	-6.57	
For >100 To 250, Deduct	-13.14	
For >250 To 500, Deduct	-20.97	
For >500, Deduct	-28.81	
For Hot Dipped Galvanized, Add	72.52	
06 05 23 00-0078 EA 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6).....	195.67	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-7.03	
For >100 To 250, Deduct	-14.07	
For >250 To 500, Deduct	-22.53	
For >500, Deduct	-31.00	
For Hot Dipped Galvanized, Add	75.20	
06 05 23 00-0079 EA 4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44).....	122.19	
Note: Excludes field welding		
For >10 To 50, Deduct	-1.27	
For >50 To 100, Deduct	-4.96	
For >100 To 250, Deduct	-9.92	
For >250 To 500, Deduct	-16.15	
For >500, Deduct	-22.38	
For Hot Dipped Galvanized, Add	43.56	
06 05 23 00-0080 EA 4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46).....	191.76	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-6.94	
For >100 To 250, Deduct	-13.87	
For >250 To 500, Deduct	-22.24	
For >500, Deduct	-30.60	
For Hot Dipped Galvanized, Add	73.44	
06 05 23 00-0081 EA 4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48).....	200.21	
Note: Excludes field welding		
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-7.15	
For >100 To 250, Deduct	-14.30	
For >250 To 500, Deduct	-22.87	
For >500, Deduct	-31.45	
For Hot Dipped Galvanized, Add	77.24	
06 05 23 00-0082 EA 6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64).....	204.23	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-7.15	
For >100 To 250, Deduct	-14.31	
For >250 To 500, Deduct	-22.83	
For >500, Deduct	-31.35	
For Hot Dipped Galvanized, Add	79.61	
06 05 23 00-0083 EA 6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66).....	206.76	
For >10 To 50, Deduct	-1.49	
For >50 To 100, Deduct	-7.41	
For >100 To 250, Deduct	-14.81	
For >250 To 500, Deduct	-23.71	
For >500, Deduct	-32.61	
For Hot Dipped Galvanized, Add	79.61	
06 05 23 00-0084 EA 6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68).....	206.76	
For >10 To 50, Deduct	-1.49	
For >50 To 100, Deduct	-7.41	
For >100 To 250, Deduct	-14.81	
For >250 To 500, Deduct	-23.71	
For >500, Deduct	-32.61	
For Hot Dipped Galvanized, Add	79.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0085 EA 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4).....	237.38	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-7.98	
<i>For >100 To 250, Deduct</i>	-15.97	
<i>For >250 To 500, Deduct</i>	-25.31	
<i>For >500, Deduct</i>	-34.66	
<i>For Hot Dipped Galvanized, Add</i>	94.53	
06 05 23 00-0086 EA 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6).....	239.91	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-8.24	
<i>For >100 To 250, Deduct</i>	-16.47	
<i>For >250 To 500, Deduct</i>	-26.20	
<i>For >500, Deduct</i>	-35.93	
<i>For Hot Dipped Galvanized, Add</i>	94.53	
06 05 23 00-0087 EA 5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8).....	239.91	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-8.24	
<i>For >100 To 250, Deduct</i>	-16.47	
<i>For >250 To 500, Deduct</i>	-26.20	
<i>For >500, Deduct</i>	-35.93	
<i>For Hot Dipped Galvanized, Add</i>	94.53	
06 05 23 00-0088 EA 8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84).....	288.71	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-9.27	
<i>For >100 To 250, Deduct</i>	-18.53	
<i>For >250 To 500, Deduct</i>	-29.16	
<i>For >500, Deduct</i>	-39.80	
<i>For Hot Dipped Galvanized, Add</i>	117.63	
06 05 23 00-0089 EA 8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86).....	291.24	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-9.52	
<i>For >100 To 250, Deduct</i>	-19.04	
<i>For >250 To 500, Deduct</i>	-30.05	
<i>For >500, Deduct</i>	-41.06	
<i>For Hot Dipped Galvanized, Add</i>	117.63	
06 05 23 00-0090 EA 8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88).....	291.24	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-9.52	
<i>For >100 To 250, Deduct</i>	-19.04	
<i>For >250 To 500, Deduct</i>	-30.05	
<i>For >500, Deduct</i>	-41.06	
<i>For Hot Dipped Galvanized, Add</i>	117.63	
06 05 23 00-0091 Rafter Connectors <small>(06 05 23)</small>		
06 05 23 00-0092 EA Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR).....	10.82	3.93
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.93	
<i>For >100 To 250, Deduct</i>	-1.86	
<i>For >250 To 500, Deduct</i>	-3.22	
<i>For >500, Deduct</i>	-4.59	
06 05 23 00-0093 Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0094 Carriage Bolts <small>(06 05 23 00-0093)</small>		
Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0094)</small>		
06 05 23 00-0096 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	16.94	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.66	
<i>For >100 To 250, Deduct</i>	-3.32	
<i>For >250 To 500, Deduct</i>	-5.81	
<i>For >500, Deduct</i>	-8.29	
06 05 23 00-0097 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.14	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100 To 250, Deduct</i>	-3.33	
<i>For >250 To 500, Deduct</i>	-5.82	
<i>For >500, Deduct</i>	-8.31	
06 05 23 00-0098 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.26	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100 To 250, Deduct</i>	-3.34	
<i>For >250 To 500, Deduct</i>	-5.83	
<i>For >500, Deduct</i>	-8.33	
06 05 23 00-0099 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	20.16	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.93	
<i>For >100 To 250, Deduct</i>	-3.87	
<i>For >250 To 500, Deduct</i>	-6.75	
<i>For >500, Deduct</i>	-9.64	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0100 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.74	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.80	
For >100 To 250, Deduct	-3.60	
For >250 To 500, Deduct	-6.30	
For >500, Deduct	-8.99	
06 05 23 00-0101 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.33	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.94	
For >100 To 250, Deduct	-3.87	
For >250 To 500, Deduct	-6.76	
For >500, Deduct	-9.65	
06 05 23 00-0102 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.64	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.94	
For >100 To 250, Deduct	-3.89	
For >250 To 500, Deduct	-6.79	
For >500, Deduct	-9.68	
06 05 23 00-0103 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.68	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-2.33	
For >100 To 250, Deduct	-4.66	
For >250 To 500, Deduct	-8.14	
For >500, Deduct	-11.61	
06 05 23 00-0104 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.88	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.48	
For >100 To 250, Deduct	-4.96	
For >250 To 500, Deduct	-8.65	
For >500, Deduct	-12.34	
06 05 23 00-0105 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.36	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.76	
For >100 To 250, Deduct	-5.52	
For >250 To 500, Deduct	-9.61	
For >500, Deduct	-13.70	
06 05 23 00-0106 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.99	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.95	
For >100 To 250, Deduct	-3.91	
For >250 To 500, Deduct	-6.81	
For >500, Deduct	-9.72	
06 05 23 00-0107 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.07	
For >10 To 50, Deduct	-1.02	
For >50 To 100, Deduct	-2.10	
For >100 To 250, Deduct	-4.20	
For >250 To 500, Deduct	-7.32	
For >500, Deduct	-10.44	
06 05 23 00-0108 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.60	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.23	
For >100 To 250, Deduct	-4.47	
For >250 To 500, Deduct	-7.78	
For >500, Deduct	-11.10	
06 05 23 00-0109 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.58	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.50	
For >100 To 250, Deduct	-5.00	
For >250 To 500, Deduct	-8.70	
For >500, Deduct	-12.41	
06 05 23 00-0110 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.48	
For >10 To 50, Deduct	-1.40	
For >50 To 100, Deduct	-2.91	
For >100 To 250, Deduct	-5.82	
For >250 To 500, Deduct	-10.12	
For >500, Deduct	-14.42	
06 05 23 00-0111 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	36.47	
For >10 To 50, Deduct	-1.52	
For >50 To 100, Deduct	-3.20	
For >100 To 250, Deduct	-6.39	
For >250 To 500, Deduct	-11.11	
For >500, Deduct	-15.84	
06 05 23 00-0112 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.05	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-2.44	
For >100 To 250, Deduct	-4.88	
For >250 To 500, Deduct	-8.47	
For >500, Deduct	-12.05	
06 05 23 00-0113 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.57	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.60	
For >100 To 250, Deduct	-5.20	
For >250 To 500, Deduct	-9.00	
For >500, Deduct	-12.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0114 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	37.94	
<i>For >10 To 50, Deduct</i>	-1.40	
<i>For >50 To 100, Deduct</i>	-3.04	
<i>For >100 To 250, Deduct</i>	-6.09	
<i>For >250 To 500, Deduct</i>	-10.53	
<i>For >500, Deduct</i>	-14.97	
06 05 23 00-0115 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	42.91	
<i>For >10 To 50, Deduct</i>	-1.46	
<i>For >50 To 100, Deduct</i>	-3.26	
<i>For >100 To 250, Deduct</i>	-6.53	
<i>For >250 To 500, Deduct</i>	-11.25	
<i>For >500, Deduct</i>	-15.98	
06 05 23 00-0116 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.59	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.55	
<i>For >100 To 250, Deduct</i>	-7.09	
<i>For >250 To 500, Deduct</i>	-12.23	
<i>For >500, Deduct</i>	-17.36	
06 05 23 00-0117 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.44	
<i>For >10 To 50, Deduct</i>	-1.65	
<i>For >50 To 100, Deduct</i>	-3.66	
<i>For >100 To 250, Deduct</i>	-7.33	
<i>For >250 To 500, Deduct</i>	-12.64	
<i>For >500, Deduct</i>	-17.95	
06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0094)</small>		
06 05 23 00-0119 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.29	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100 To 250, Deduct</i>	-3.34	
<i>For >250 To 500, Deduct</i>	-5.83	
<i>For >500, Deduct</i>	-8.33	
06 05 23 00-0120 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.65	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100 To 250, Deduct</i>	-3.36	
<i>For >250 To 500, Deduct</i>	-5.86	
<i>For >500, Deduct</i>	-8.37	
06 05 23 00-0121 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.06	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100 To 250, Deduct</i>	-3.38	
<i>For >250 To 500, Deduct</i>	-5.89	
<i>For >500, Deduct</i>	-8.41	
06 05 23 00-0122 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.51	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.97	
<i>For >100 To 250, Deduct</i>	-3.93	
<i>For >250 To 500, Deduct</i>	-6.85	
<i>For >500, Deduct</i>	-9.77	
06 05 23 00-0123 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.23	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100 To 250, Deduct</i>	-3.63	
<i>For >250 To 500, Deduct</i>	-6.33	
<i>For >500, Deduct</i>	-9.04	
06 05 23 00-0124 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.09	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100 To 250, Deduct</i>	-3.91	
<i>For >250 To 500, Deduct</i>	-6.82	
<i>For >500, Deduct</i>	-9.73	
06 05 23 00-0125 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.54	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.97	
<i>For >100 To 250, Deduct</i>	-3.93	
<i>For >250 To 500, Deduct</i>	-6.85	
<i>For >500, Deduct</i>	-9.77	
06 05 23 00-0126 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.04	
<i>For >10 To 50, Deduct</i>	-1.14	
<i>For >50 To 100, Deduct</i>	-2.37	
<i>For >100 To 250, Deduct</i>	-4.73	
<i>For >250 To 500, Deduct</i>	-8.24	
<i>For >500, Deduct</i>	-11.75	
06 05 23 00-0127 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.41	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.52	
<i>For >100 To 250, Deduct</i>	-5.04	
<i>For >250 To 500, Deduct</i>	-8.77	
<i>For >500, Deduct</i>	-12.49	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0128 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.77	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.79	
For >100 To 250, Deduct	-5.59	
For >250 To 500, Deduct	-9.72	
For >500, Deduct	-13.85	
06 05 23 00-0129 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.13	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.98	
For >100 To 250, Deduct	-3.96	
For >250 To 500, Deduct	-6.90	
For >500, Deduct	-9.83	
06 05 23 00-0130 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.97	
For >10 To 50, Deduct	-1.02	
For >50 To 100, Deduct	-2.12	
For >100 To 250, Deduct	-4.25	
For >250 To 500, Deduct	-7.39	
For >500, Deduct	-10.53	
06 05 23 00-0131 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.67	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.26	
For >100 To 250, Deduct	-4.52	
For >250 To 500, Deduct	-7.86	
For >500, Deduct	-11.20	
06 05 23 00-0132 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.12	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.54	
For >100 To 250, Deduct	-5.08	
For >250 To 500, Deduct	-8.82	
For >500, Deduct	-12.56	
06 05 23 00-0133 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.98	
For >10 To 50, Deduct	-1.40	
For >50 To 100, Deduct	-2.95	
For >100 To 250, Deduct	-5.89	
For >250 To 500, Deduct	-10.23	
For >500, Deduct	-14.57	
06 05 23 00-0134 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.63	
For >10 To 50, Deduct	-1.52	
For >50 To 100, Deduct	-3.23	
For >100 To 250, Deduct	-6.45	
For >250 To 500, Deduct	-11.20	
For >500, Deduct	-15.95	
06 05 23 00-0135 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.47	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-2.53	
For >100 To 250, Deduct	-5.05	
For >250 To 500, Deduct	-8.72	
For >500, Deduct	-12.39	
06 05 23 00-0136 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.96	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.66	
For >100 To 250, Deduct	-5.32	
For >250 To 500, Deduct	-9.18	
For >500, Deduct	-13.05	
06 05 23 00-0137 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.64	
For >10 To 50, Deduct	-1.40	
For >50 To 100, Deduct	-3.09	
For >100 To 250, Deduct	-6.17	
For >250 To 500, Deduct	-10.66	
For >500, Deduct	-15.14	
06 05 23 00-0138 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	42.78	
For >10 To 50, Deduct	-1.46	
For >50 To 100, Deduct	-3.26	
For >100 To 250, Deduct	-6.52	
For >250 To 500, Deduct	-11.24	
For >500, Deduct	-15.96	
06 05 23 00-0139 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	48.80	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-3.60	
For >100 To 250, Deduct	-7.20	
For >250 To 500, Deduct	-12.39	
For >500, Deduct	-17.58	
06 05 23 00-0140 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	52.04	
For >10 To 50, Deduct	-1.65	
For >50 To 100, Deduct	-3.78	
For >100 To 250, Deduct	-7.56	
For >250 To 500, Deduct	-12.98	
For >500, Deduct	-18.41	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0094)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0142 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.53	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100 To 250, Deduct</i>	-3.40	
<i>For >250 To 500, Deduct</i>	-5.93	
<i>For >500, Deduct</i>	-8.45	
06 05 23 00-0143 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.74	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100 To 250, Deduct</i>	-3.51	
<i>For >250 To 500, Deduct</i>	-6.09	
<i>For >500, Deduct</i>	-8.67	
06 05 23 00-0144 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.20	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.79	
<i>For >100 To 250, Deduct</i>	-3.59	
<i>For >250 To 500, Deduct</i>	-6.20	
<i>For >500, Deduct</i>	-8.82	
06 05 23 00-0145 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	40.38	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.44	
<i>For >100 To 250, Deduct</i>	-4.88	
<i>For >250 To 500, Deduct</i>	-8.27	
<i>For >500, Deduct</i>	-11.66	
06 05 23 00-0146 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.86	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100 To 250, Deduct</i>	-3.76	
<i>For >250 To 500, Deduct</i>	-6.53	
<i>For >500, Deduct</i>	-9.30	
06 05 23 00-0147 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.35	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.09	
<i>For >100 To 250, Deduct</i>	-4.18	
<i>For >250 To 500, Deduct</i>	-7.22	
<i>For >500, Deduct</i>	-10.26	
06 05 23 00-0148 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.05	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.11	
<i>For >100 To 250, Deduct</i>	-4.21	
<i>For >250 To 500, Deduct</i>	-7.27	
<i>For >500, Deduct</i>	-10.33	
06 05 23 00-0149 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	54.00	
<i>For >10 To 50, Deduct</i>	-1.14	
<i>For >50 To 100, Deduct</i>	-3.06	
<i>For >100 To 250, Deduct</i>	-6.13	
<i>For >250 To 500, Deduct</i>	-10.34	
<i>For >500, Deduct</i>	-14.54	
06 05 23 00-0150 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	66.82	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-3.48	
<i>For >100 To 250, Deduct</i>	-6.96	
<i>For >250 To 500, Deduct</i>	-11.65	
<i>For >500, Deduct</i>	-16.33	
06 05 23 00-0151 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	74.98	
<i>For >10 To 50, Deduct</i>	-1.33	
<i>For >50 To 100, Deduct</i>	-3.87	
<i>For >100 To 250, Deduct</i>	-7.75	
<i>For >250 To 500, Deduct</i>	-12.96	
<i>For >500, Deduct</i>	-18.17	
06 05 23 00-0152 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.94	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.15	
<i>For >100 To 250, Deduct</i>	-4.30	
<i>For >250 To 500, Deduct</i>	-7.41	
<i>For >500, Deduct</i>	-10.51	
06 05 23 00-0153 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	33.30	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.36	
<i>For >100 To 250, Deduct</i>	-4.71	
<i>For >250 To 500, Deduct</i>	-8.09	
<i>For >500, Deduct</i>	-11.46	
06 05 23 00-0154 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	41.31	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.65	
<i>For >100 To 250, Deduct</i>	-5.30	
<i>For >250 To 500, Deduct</i>	-9.04	
<i>For >500, Deduct</i>	-12.77	
06 05 23 00-0155 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	68.86	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-3.53	
<i>For >100 To 250, Deduct</i>	-7.06	
<i>For >250 To 500, Deduct</i>	-11.80	
<i>For >500, Deduct</i>	-16.54	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0156 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	77.57	
For>10 To 50, Deduct	-1.40	
For>50 To 100, Deduct	-4.03	
For>100 To 250, Deduct	-8.07	
For>250 To 500, Deduct	-13.50	
For>500, Deduct	-18.93	
06 05 23 00-0157 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	125.96	
For>10 To 50, Deduct	-1.52	
For>50 To 100, Deduct	-5.43	
For>100 To 250, Deduct	-10.87	
For>250 To 500, Deduct	-17.83	
For>500, Deduct	-24.78	
06 05 23 00-0158 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	97.69	
For>10 To 50, Deduct	-1.21	
For>50 To 100, Deduct	-4.25	
For>100 To 250, Deduct	-8.50	
For>250 To 500, Deduct	-13.96	
For>500, Deduct	-19.42	
06 05 23 00-0159 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	140.27	
For>10 To 50, Deduct	-1.40	
For>50 To 100, Deduct	-5.60	
For>100 To 250, Deduct	-11.20	
For>250 To 500, Deduct	-18.20	
For>500, Deduct	-25.20	
06 05 23 00-0160 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	155.98	
For>10 To 50, Deduct	-1.46	
For>50 To 100, Deduct	-6.09	
For>100 To 250, Deduct	-12.18	
For>250 To 500, Deduct	-19.73	
For>500, Deduct	-27.28	
06 05 23 00-0161 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	233.80	
For>10 To 50, Deduct	-1.59	
For>50 To 100, Deduct	-8.23	
For>100 To 250, Deduct	-16.45	
For>250 To 500, Deduct	-26.27	
For>500, Deduct	-36.08	
06 05 23 00-0162 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	246.05	
For>10 To 50, Deduct	-1.65	
For>50 To 100, Deduct	-8.63	
For>100 To 250, Deduct	-17.26	
For>250 To 500, Deduct	-27.53	
For>500, Deduct	-37.81	
06 05 23 00-0163 316 Stainless Steel, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0164 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	28.78	
For>10 To 50, Deduct	-0.83	
For>50 To 100, Deduct	-1.96	
For>100 To 250, Deduct	-3.91	
For>250 To 500, Deduct	-6.70	
For>500, Deduct	-9.48	
06 05 23 00-0165 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	32.67	
For>10 To 50, Deduct	-0.83	
For>50 To 100, Deduct	-2.05	
For>100 To 250, Deduct	-4.11	
For>250 To 500, Deduct	-6.99	
For>500, Deduct	-9.87	
06 05 23 00-0166 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	35.28	
For>10 To 50, Deduct	-0.89	
For>50 To 100, Deduct	-2.22	
For>100 To 250, Deduct	-4.43	
For>250 To 500, Deduct	-7.54	
For>500, Deduct	-10.64	
06 05 23 00-0167 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	41.95	
For>10 To 50, Deduct	-0.95	
For>50 To 100, Deduct	-2.48	
For>100 To 250, Deduct	-4.96	
For>250 To 500, Deduct	-8.39	
For>500, Deduct	-11.82	
06 05 23 00-0168 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	59.28	
For>10 To 50, Deduct	-0.95	
For>50 To 100, Deduct	-2.91	
For>100 To 250, Deduct	-5.82	
For>250 To 500, Deduct	-9.68	
For>500, Deduct	-13.55	
06 05 23 00-0169 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	64.75	
For>10 To 50, Deduct	-1.02	
For>50 To 100, Deduct	-3.14	
For>100 To 250, Deduct	-6.29	
For>250 To 500, Deduct	-10.44	
For>500, Deduct	-14.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0170 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	69.89	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-3.37	
<i>For >100 To 250, Deduct</i>	-6.73	
<i>For >250 To 500, Deduct</i>	-11.18	
<i>For >500, Deduct</i>	-15.63	
06 05 23 00-0171 Hex Lag Bolts <small>(06 05 23 00-0093)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts <small>(06 05 23 00-0171)</small>		
06 05 23 00-0173 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	16.14	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100 To 250, Deduct</i>	-3.19	
<i>For >250 To 500, Deduct</i>	-5.57	
<i>For >500, Deduct</i>	-7.96	
06 05 23 00-0174 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	16.31	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-1.60	
<i>For >100 To 250, Deduct</i>	-3.20	
<i>For >250 To 500, Deduct</i>	-5.59	
<i>For >500, Deduct</i>	-7.98	
06 05 23 00-0175 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	16.65	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100 To 250, Deduct</i>	-3.21	
<i>For >250 To 500, Deduct</i>	-5.61	
<i>For >500, Deduct</i>	-8.01	
06 05 23 00-0176 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	17.81	
<i>For >10 To 50, Deduct</i>	-0.87	
<i>For >50 To 100, Deduct</i>	-1.74	
<i>For >100 To 250, Deduct</i>	-3.49	
<i>For >250 To 500, Deduct</i>	-6.09	
<i>For >500, Deduct</i>	-8.70	
06 05 23 00-0177 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	19.38	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100 To 250, Deduct</i>	-3.75	
<i>For >250 To 500, Deduct</i>	-6.55	
<i>For >500, Deduct</i>	-9.35	
06 05 23 00-0178 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	19.76	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100 To 250, Deduct</i>	-3.77	
<i>For >250 To 500, Deduct</i>	-6.58	
<i>For >500, Deduct</i>	-9.39	
06 05 23 00-0179 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	24.23	
<i>For >10 To 50, Deduct</i>	-1.11	
<i>For >50 To 100, Deduct</i>	-2.27	
<i>For >100 To 250, Deduct</i>	-4.55	
<i>For >250 To 500, Deduct</i>	-7.93	
<i>For >500, Deduct</i>	-11.32	
06 05 23 00-0180 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.68	
<i>For >10 To 50, Deduct</i>	-1.17	
<i>For >50 To 100, Deduct</i>	-2.40	
<i>For >100 To 250, Deduct</i>	-4.80	
<i>For >250 To 500, Deduct</i>	-8.38	
<i>For >500, Deduct</i>	-11.96	
06 05 23 00-0181 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	19.77	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-1.90	
<i>For >100 To 250, Deduct</i>	-3.79	
<i>For >250 To 500, Deduct</i>	-6.62	
<i>For >500, Deduct</i>	-9.45	
06 05 23 00-0182 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	21.55	
<i>For >10 To 50, Deduct</i>	-1.00	
<i>For >50 To 100, Deduct</i>	-2.03	
<i>For >100 To 250, Deduct</i>	-4.07	
<i>For >250 To 500, Deduct</i>	-7.09	
<i>For >500, Deduct</i>	-10.12	
06 05 23 00-0183 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	23.50	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.17	
<i>For >100 To 250, Deduct</i>	-4.35	
<i>For >250 To 500, Deduct</i>	-7.58	
<i>For >500, Deduct</i>	-10.81	
06 05 23 00-0184 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	26.79	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.44	
<i>For >100 To 250, Deduct</i>	-4.89	
<i>For >250 To 500, Deduct</i>	-8.51	
<i>For >500, Deduct</i>	-12.14	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0185 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	31.62	
For>10 To 50, Deduct	-1.37	
For>50 To 100, Deduct	-2.84	
For>100 To 250, Deduct	-5.69	
For>250 To 500, Deduct	-9.90	
For>500, Deduct	-14.12	
06 05 23 00-0186 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	34.50	
For>10 To 50, Deduct	-1.49	
For>50 To 100, Deduct	-3.10	
For>100 To 250, Deduct	-6.21	
For>250 To 500, Deduct	-10.80	
For>500, Deduct	-15.40	
06 05 23 00-0187 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	29.08	
For>10 To 50, Deduct	-1.18	
For>50 To 100, Deduct	-2.50	
For>100 To 250, Deduct	-5.00	
For>250 To 500, Deduct	-8.68	
For>500, Deduct	-12.37	
06 05 23 00-0188 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	34.79	
For>10 To 50, Deduct	-1.37	
For>50 To 100, Deduct	-2.92	
For>100 To 250, Deduct	-5.85	
For>250 To 500, Deduct	-10.14	
For>500, Deduct	-14.44	
06 05 23 00-0189 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	38.64	
For>10 To 50, Deduct	-1.43	
For>50 To 100, Deduct	-3.11	
For>100 To 250, Deduct	-6.23	
For>250 To 500, Deduct	-10.77	
For>500, Deduct	-15.32	
06 05 23 00-0190 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	43.52	
For>10 To 50, Deduct	-1.56	
For>50 To 100, Deduct	-3.42	
For>100 To 250, Deduct	-6.85	
For>250 To 500, Deduct	-11.82	
For>500, Deduct	-16.80	
06 05 23 00-0191 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	48.95	
For>10 To 50, Deduct	-1.62	
For>50 To 100, Deduct	-3.65	
For>100 To 250, Deduct	-7.30	
For>250 To 500, Deduct	-12.57	
For>500, Deduct	-17.84	
06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts (06 05 23 00-0171)		
06 05 23 00-0193 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.22	
For>10 To 50, Deduct	-0.79	
For>50 To 100, Deduct	-1.60	
For>100 To 250, Deduct	-3.19	
For>250 To 500, Deduct	-5.58	
For>500, Deduct	-7.97	
06 05 23 00-0194 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.48	
For>10 To 50, Deduct	-0.79	
For>50 To 100, Deduct	-1.60	
For>100 To 250, Deduct	-3.20	
For>250 To 500, Deduct	-5.60	
For>500, Deduct	-8.00	
06 05 23 00-0195 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.75	
For>10 To 50, Deduct	-0.79	
For>50 To 100, Deduct	-1.61	
For>100 To 250, Deduct	-3.22	
For>250 To 500, Deduct	-5.62	
For>500, Deduct	-8.02	
06 05 23 00-0196 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.96	
For>10 To 50, Deduct	-0.87	
For>50 To 100, Deduct	-1.75	
For>100 To 250, Deduct	-3.49	
For>250 To 500, Deduct	-6.10	
For>500, Deduct	-8.72	
06 05 23 00-0197 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.61	
For>10 To 50, Deduct	-0.93	
For>50 To 100, Deduct	-1.88	
For>100 To 250, Deduct	-3.76	
For>250 To 500, Deduct	-6.57	
For>500, Deduct	-9.38	
06 05 23 00-0198 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.03	
For>10 To 50, Deduct	-0.93	
For>50 To 100, Deduct	-1.89	
For>100 To 250, Deduct	-3.78	
For>250 To 500, Deduct	-6.60	
For>500, Deduct	-9.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0199 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.74	
<i>For >10 To 50, Deduct</i>	-1.11	
<i>For >50 To 100, Deduct</i>	-2.29	
<i>For >100 To 250, Deduct</i>	-4.57	
<i>For >250 To 500, Deduct</i>	-7.97	
<i>For >500, Deduct</i>	-11.37	
06 05 23 00-0200 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.54	
<i>For >10 To 50, Deduct</i>	-1.17	
<i>For >50 To 100, Deduct</i>	-2.42	
<i>For >100 To 250, Deduct</i>	-4.85	
<i>For >250 To 500, Deduct</i>	-8.44	
<i>For >500, Deduct</i>	-12.04	
06 05 23 00-0201 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.15	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-1.90	
<i>For >100 To 250, Deduct</i>	-3.81	
<i>For >250 To 500, Deduct</i>	-6.65	
<i>For >500, Deduct</i>	-9.49	
06 05 23 00-0202 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.77	
<i>For >10 To 50, Deduct</i>	-1.00	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100 To 250, Deduct</i>	-4.08	
<i>For >250 To 500, Deduct</i>	-7.11	
<i>For >500, Deduct</i>	-10.15	
06 05 23 00-0203 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.88	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100 To 250, Deduct</i>	-4.37	
<i>For >250 To 500, Deduct</i>	-7.61	
<i>For >500, Deduct</i>	-10.85	
06 05 23 00-0204 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	27.95	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.47	
<i>For >100 To 250, Deduct</i>	-4.95	
<i>For >250 To 500, Deduct</i>	-8.60	
<i>For >500, Deduct</i>	-12.26	
06 05 23 00-0205 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	32.18	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-2.86	
<i>For >100 To 250, Deduct</i>	-5.72	
<i>For >250 To 500, Deduct</i>	-9.95	
<i>For >500, Deduct</i>	-14.17	
06 05 23 00-0206 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	35.89	
<i>For >10 To 50, Deduct</i>	-1.49	
<i>For >50 To 100, Deduct</i>	-3.14	
<i>For >100 To 250, Deduct</i>	-6.28	
<i>For >250 To 500, Deduct</i>	-10.91	
<i>For >500, Deduct</i>	-15.54	
06 05 23 00-0207 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.94	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.52	
<i>For >100 To 250, Deduct</i>	-5.04	
<i>For >250 To 500, Deduct</i>	-8.75	
<i>For >500, Deduct</i>	-12.45	
06 05 23 00-0208 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	35.57	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-2.94	
<i>For >100 To 250, Deduct</i>	-5.89	
<i>For >250 To 500, Deduct</i>	-10.20	
<i>For >500, Deduct</i>	-14.51	
06 05 23 00-0209 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	39.94	
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-3.15	
<i>For >100 To 250, Deduct</i>	-6.29	
<i>For >250 To 500, Deduct</i>	-10.87	
<i>For >500, Deduct</i>	-15.45	
06 05 23 00-0210 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	46.59	
<i>For >10 To 50, Deduct</i>	-1.56	
<i>For >50 To 100, Deduct</i>	-3.50	
<i>For >100 To 250, Deduct</i>	-7.00	
<i>For >250 To 500, Deduct</i>	-12.06	
<i>For >500, Deduct</i>	-17.11	
06 05 23 00-0211 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	52.23	
<i>For >10 To 50, Deduct</i>	-1.62	
<i>For >50 To 100, Deduct</i>	-3.73	
<i>For >100 To 250, Deduct</i>	-7.47	
<i>For >250 To 500, Deduct</i>	-12.82	
<i>For >500, Deduct</i>	-18.17	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0171)

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0213 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.26	
For>10 To 50, Deduct	-0.79	
For>50 To 100, Deduct	-1.62	
For>100 To 250, Deduct	-3.24	
For>250 To 500, Deduct	-5.66	
For>500, Deduct	-8.07	
06 05 23 00-0214 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.31	
For>10 To 50, Deduct	-0.79	
For>50 To 100, Deduct	-1.65	
For>100 To 250, Deduct	-3.30	
For>250 To 500, Deduct	-5.74	
For>500, Deduct	-8.18	
06 05 23 00-0215 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.13	
For>10 To 50, Deduct	-0.79	
For>50 To 100, Deduct	-1.72	
For>100 To 250, Deduct	-3.44	
For>250 To 500, Deduct	-5.95	
For>500, Deduct	-8.46	
06 05 23 00-0216 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.86	
For>10 To 50, Deduct	-0.87	
For>50 To 100, Deduct	-1.82	
For>100 To 250, Deduct	-3.64	
For>250 To 500, Deduct	-6.32	
For>500, Deduct	-9.01	
06 05 23 00-0217 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	23.68	
For>10 To 50, Deduct	-0.93	
For>50 To 100, Deduct	-1.98	
For>100 To 250, Deduct	-3.97	
For>250 To 500, Deduct	-6.87	
For>500, Deduct	-9.78	
06 05 23 00-0218 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.48	
For>10 To 50, Deduct	-0.93	
For>50 To 100, Deduct	-2.03	
For>100 To 250, Deduct	-4.06	
For>250 To 500, Deduct	-7.01	
For>500, Deduct	-9.96	
06 05 23 00-0219 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	54.34	
For>10 To 50, Deduct	-1.11	
For>50 To 100, Deduct	-3.03	
For>100 To 250, Deduct	-6.05	
For>250 To 500, Deduct	-10.19	
For>500, Deduct	-14.33	
06 05 23 00-0220 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	77.59	
For>10 To 50, Deduct	-1.17	
For>50 To 100, Deduct	-3.70	
For>100 To 250, Deduct	-7.40	
For>250 To 500, Deduct	-12.27	
For>500, Deduct	-17.15	
06 05 23 00-0221 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.69	
For>10 To 50, Deduct	-0.93	
For>50 To 100, Deduct	-2.04	
For>100 To 250, Deduct	-4.09	
For>250 To 500, Deduct	-7.06	
For>500, Deduct	-10.04	
06 05 23 00-0222 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	30.69	
For>10 To 50, Deduct	-1.00	
For>50 To 100, Deduct	-2.26	
For>100 To 250, Deduct	-4.52	
For>250 To 500, Deduct	-7.78	
For>500, Deduct	-11.04	
06 05 23 00-0223 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	38.45	
For>10 To 50, Deduct	-1.06	
For>50 To 100, Deduct	-2.55	
For>100 To 250, Deduct	-5.10	
For>250 To 500, Deduct	-8.70	
For>500, Deduct	-12.31	
06 05 23 00-0224 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	82.87	
For>10 To 50, Deduct	-1.18	
For>50 To 100, Deduct	-3.85	
For>100 To 250, Deduct	-7.69	
For>250 To 500, Deduct	-12.72	
For>500, Deduct	-17.75	
06 05 23 00-0225 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	113.56	
For>10 To 50, Deduct	-1.37	
For>50 To 100, Deduct	-4.89	
For>100 To 250, Deduct	-9.79	
For>250 To 500, Deduct	-16.05	
For>500, Deduct	-22.31	
06 05 23 00-0226 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	132.99	
For>10 To 50, Deduct	-1.49	
For>50 To 100, Deduct	-5.57	
For>100 To 250, Deduct	-11.13	
For>250 To 500, Deduct	-18.19	
For>500, Deduct	-25.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0227 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	124.02	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-4.87	
<i>For >100 To 250, Deduct</i>	-9.75	
<i>For >250 To 500, Deduct</i>	-15.81	
<i>For >500, Deduct</i>	-21.86	
06 05 23 00-0228 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	141.71	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-5.60	
<i>For >100 To 250, Deduct</i>	-11.19	
<i>For >250 To 500, Deduct</i>	-18.16	
<i>For >500, Deduct</i>	-25.13	
06 05 23 00-0229 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	147.43	
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-5.83	
<i>For >100 To 250, Deduct</i>	-11.67	
<i>For >250 To 500, Deduct</i>	-18.93	
<i>For >500, Deduct</i>	-26.20	
06 05 23 00-0230 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	205.65	
<i>For >10 To 50, Deduct</i>	-1.56	
<i>For >50 To 100, Deduct</i>	-7.48	
<i>For >100 To 250, Deduct</i>	-14.95	
<i>For >250 To 500, Deduct</i>	-23.98	
<i>For >500, Deduct</i>	-33.02	
06 05 23 00-0231 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	224.64	
<i>For >10 To 50, Deduct</i>	-1.62	
<i>For >50 To 100, Deduct</i>	-8.04	
<i>For >100 To 250, Deduct</i>	-16.09	
<i>For >250 To 500, Deduct</i>	-25.75	
<i>For >500, Deduct</i>	-35.41	
06 05 23 00-0232 Stainless Steel Screws <small>(06 05 23 00-0093)</small>		
06 05 23 00-0233 EA #8 x 1-1/2" Stainless Steel Screw	2.56	
06 05 23 00-0234 EA #9 x 1-1/2" Stainless Steel Screw	2.61	
06 05 23 00-0235 EA #10 x 1-1/2" Stainless Steel Screw	2.68	
06 05 23 00-0236 EA #12 x 1-1/2" Stainless Steel Screw	2.91	
06 05 23 00-0237 Galvanized Steel Screws <small>(06 05 23 00-0093)</small>		
06 05 23 00-0238 EA #8 x 1-1/2" Galvanized Steel Screw.....	2.33	
06 05 23 00-0239 EA #9 x 1-1/2" Galvanized Steel Screw.....	2.38	
06 05 23 00-0240 EA #10 x 1-1/2" Galvanized Steel Screw.....	2.44	
06 05 23 00-0241 EA #12 x 1-1/2" Galvanized Steel Screw.....	2.64	
06 05 23 00-0242 EA #8 x 2-1/2" Galvanized Steel Screw.....	2.38	
06 05 23 00-0243 EA #9 x 2-1/2" Galvanized Steel Screw.....	2.43	
06 05 23 00-0244 EA #10 x 2-1/2" Galvanized Steel Screw.....	2.50	
06 05 23 00-0245 EA #12 x 2-1/2" Galvanized Steel Screw.....	2.75	
06 05 23 00-0246 Timber Bolts <small>(06 05 23 00-0093)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0247 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	41.23	
<i>For >10 To 50, Deduct</i>	-1.32	
<i>For >50 To 100, Deduct</i>	-3.00	
<i>For >100 To 250, Deduct</i>	-6.01	
<i>For >250 To 500, Deduct</i>	-10.33	
<i>For >500, Deduct</i>	-14.65	
06 05 23 00-0248 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	46.60	
<i>For >10 To 50, Deduct</i>	-1.47	
<i>For >50 To 100, Deduct</i>	-3.37	
<i>For >100 To 250, Deduct</i>	-6.75	
<i>For >250 To 500, Deduct</i>	-11.59	
<i>For >500, Deduct</i>	-16.44	
06 05 23 00-0249 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	50.39	
<i>For >10 To 50, Deduct</i>	-1.57	
<i>For >50 To 100, Deduct</i>	-3.61	
<i>For >100 To 250, Deduct</i>	-7.23	
<i>For >250 To 500, Deduct</i>	-12.41	
<i>For >500, Deduct</i>	-17.59	
06 05 23 00-0250 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	56.29	
<i>For >10 To 50, Deduct</i>	-1.66	
<i>For >50 To 100, Deduct</i>	-3.89	
<i>For >100 To 250, Deduct</i>	-7.79	
<i>For >250 To 500, Deduct</i>	-13.34	
<i>For >500, Deduct</i>	-18.89	
06 05 23 00-0251 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	59.95	
<i>For >10 To 50, Deduct</i>	-1.75	
<i>For >50 To 100, Deduct</i>	-4.12	
<i>For >100 To 250, Deduct</i>	-8.24	
<i>For >250 To 500, Deduct</i>	-14.11	
<i>For >500, Deduct</i>	-19.98	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0252	EA		5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	62.24	
			<i>For >10 To 50, Deduct</i>	-1.82	
			<i>For >50 To 100, Deduct</i>	-4.29	
			<i>For >100 To 250, Deduct</i>	-8.59	
			<i>For >250 To 500, Deduct</i>	-14.70	
			<i>For >500, Deduct</i>	-20.82	
06 05 23 00-0253	EA		3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	55.94	
			<i>For >10 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-3.75	
			<i>For >100 To 250, Deduct</i>	-7.50	
			<i>For >250 To 500, Deduct</i>	-12.82	
			<i>For >500, Deduct</i>	-18.14	
06 05 23 00-0254	EA		3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	58.53	
			<i>For >10 To 50, Deduct</i>	-1.63	
			<i>For >50 To 100, Deduct</i>	-3.91	
			<i>For >100 To 250, Deduct</i>	-7.82	
			<i>For >250 To 500, Deduct</i>	-13.37	
			<i>For >500, Deduct</i>	-18.91	
06 05 23 00-0255	EA		3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	64.95	
			<i>For >10 To 50, Deduct</i>	-1.73	
			<i>For >50 To 100, Deduct</i>	-4.22	
			<i>For >100 To 250, Deduct</i>	-8.43	
			<i>For >250 To 500, Deduct</i>	-14.38	
			<i>For >500, Deduct</i>	-20.32	
06 05 23 00-0256	EA		3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	69.80	
			<i>For >10 To 50, Deduct</i>	-1.82	
			<i>For >50 To 100, Deduct</i>	-4.47	
			<i>For >100 To 250, Deduct</i>	-8.94	
			<i>For >250 To 500, Deduct</i>	-15.23	
			<i>For >500, Deduct</i>	-21.52	
06 05 23 00-0257	EA		3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	75.08	
			<i>For >10 To 50, Deduct</i>	-1.91	
			<i>For >50 To 100, Deduct</i>	-4.74	
			<i>For >100 To 250, Deduct</i>	-9.48	
			<i>For >250 To 500, Deduct</i>	-16.12	
			<i>For >500, Deduct</i>	-22.77	
06 05 23 00-0258			Supports <small>(06 05 23)</small>		
06 05 23 00-0259			Shear Plates <small>(06 05 23 00-0258)</small>		
06 05 23 00-0260	EA		2-5/8" Diameter, Shear Plate	17.14	4.70
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-4.20	
			<i>For >500, Deduct</i>	-5.95	
06 05 23 00-0261	EA		4" Diameter, Shear Plate	16.54	4.95
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-4.28	
			<i>For >500, Deduct</i>	-6.07	
06 05 23 00-0262			Sill Anchors <small>(06 05 23 00-0258)</small>		
06 05 23 00-0263	EA		Sill Anchor Embedded In Concrete	14.76	4.95
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-4.14	
			<i>For >500, Deduct</i>	-5.89	
06 05 23 00-0264			Spike Grids <small>(06 05 23 00-0258)</small>		
06 05 23 00-0265	EA		3" x 6" Flat Or Curved Spike Grid	13.19	4.70
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-3.90	
			<i>For >500, Deduct</i>	-5.55	
06 05 23 00-0266			Split Rings <small>(06 05 23 00-0258)</small>		
06 05 23 00-0267	EA		2-1/2" Diameter Split Ring	17.36	4.70
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100 To 250, Deduct</i>	-2.46	
			<i>For >250 To 500, Deduct</i>	-4.21	
			<i>For >500, Deduct</i>	-5.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0268 EA 4" Diameter Split Ring.....	18.69	5.21
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100 To 250, Deduct</i>	-2.67	
<i>For >250 To 500, Deduct</i>	-4.58	
<i>For >500, Deduct</i>	-6.49	
06 05 23 00-0269 Toothed Rings <small>(06 05 23 00-0258)</small>		
06 05 23 00-0270 EA 2-5/8" Or 4" Toothed Ring.....	13.97	4.70
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-3.96	
<i>For >500, Deduct</i>	-5.63	
06 05 23 00-0271 Straps And Shields <small>(06 05 23)</small>		
06 05 23 00-0272 Shield Plate <small>(06 05 23 00-0271)</small>		
06 05 23 00-0273 EA 5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z).....	8.80	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-1.06	
<i>For >500, Deduct</i>	-1.61	
06 05 23 00-0274 EA 5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z).....	13.83	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.44	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-2.26	
06 05 23 00-0275 Strap Ties <small>(06 05 23 00-0271)</small>		
06 05 23 00-0276 EA 1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9).....	3.57	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.94	
06 05 23 00-0277 EA 1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12).....	3.66	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.95	
06 05 23 00-0278 EA 1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15).....	4.66	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.20	
06 05 23 00-0279 EA 1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18).....	4.82	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.21	
06 05 23 00-0280 EA 1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21).....	4.99	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.77	
<i>For >500, Deduct</i>	-1.23	
06 05 23 00-0281 EA 1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24).....	5.75	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.91	
<i>For >500, Deduct</i>	-1.45	
06 05 23 00-0282 EA 1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30).....	7.31	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-1.02	
<i>For >500, Deduct</i>	-1.61	
06 05 23 00-0283 EA 1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36).....	8.48	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.65	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.87	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0284	EA		1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A9).....	3.92	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.98	
06 05 23 00-0285	EA		1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A12).....	4.05	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.99	
06 05 23 00-0286	EA		1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A15).....	5.15	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500, Deduct</i>	-1.25	
06 05 23 00-0287	EA		1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A18).....	5.35	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.27	
06 05 23 00-0288	EA		1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A21).....	5.45	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-1.28	
06 05 23 00-0289	EA		1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A24).....	6.25	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.50	
06 05 23 00-0290	EA		1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A30).....	7.64	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.64	
06 05 23 00-0291	EA		1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A36).....	8.49	
			<i>For >10 To 50, Deduct</i>	-0.11	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.87	
06 05 23 00-0292	EA		1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A49).....	13.15	
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.46	
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-2.48	
06 05 23 00-0293	EA		1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9).....	4.57	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-1.04	
06 05 23 00-0294	EA		1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12).....	4.58	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-1.04	
06 05 23 00-0295	EA		1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18).....	5.58	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-1.29	
06 05 23 00-0296	EA		1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22).....	7.64	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.64	
06 05 23 00-0297	EA		1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6).....	6.43	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0298 EA 1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	7.05	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.29	
06 05 23 00-0299 EA 1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.23	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.62	
<i>For >250 To 500, Deduct</i>	-1.09	
<i>For >500, Deduct</i>	-1.65	
06 05 23 00-0300 EA 2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	13.60	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.44	
<i>For >100 To 250, Deduct</i>	-0.87	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-2.24	
06 05 23 00-0301 EA 2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	16.91	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.53	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.71	
06 05 23 00-0302 EA 2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	24.81	
<i>For >10 To 50, Deduct</i>	-0.13	
<i>For >50 To 100, Deduct</i>	-0.75	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-2.50	
<i>For >500, Deduct</i>	-3.65	
06 05 23 00-0303 EA 2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	42.77	
<i>For >10 To 50, Deduct</i>	-0.14	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100 To 250, Deduct</i>	-2.42	
<i>For >250 To 500, Deduct</i>	-3.92	
<i>For >500, Deduct</i>	-5.59	
06 05 23 00-0304 EA 2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	55.00	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100 To 250, Deduct</i>	-3.07	
<i>For >250 To 500, Deduct</i>	-4.92	
<i>For >500, Deduct</i>	-6.96	
06 05 23 00-0305 EA 3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	16.12	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.49	
06 05 23 00-0306 EA 3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	20.75	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.63	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-2.11	
<i>For >500, Deduct</i>	-3.10	
06 05 23 00-0307 EA 3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	24.21	
<i>For >10 To 50, Deduct</i>	-0.13	
<i>For >50 To 100, Deduct</i>	-0.73	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-2.45	
<i>For >500, Deduct</i>	-3.59	
06 05 23 00-0308 EA 3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	36.58	
<i>For >10 To 50, Deduct</i>	-0.14	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-3.46	
<i>For >500, Deduct</i>	-4.97	
06 05 23 00-0309 Twist Strap Ties <small>(06 05 23 00-0271)</small>		
06 05 23 00-0310 EA 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	4.12	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500, Deduct</i>	-1.00	
06 05 23 00-0311 EA 1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	5.13	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.74	
<i>For >500, Deduct</i>	-1.17	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0312 EA 1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18).....	5.90	
For>10 To 50, Deduct	-0.08	
For>50 To 100, Deduct	-0.23	
For>100 To 250, Deduct	-0.45	
For>250 To 500, Deduct	-0.84	
For>500, Deduct	-1.32	
06 05 23 00-0313 EA 1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20).....	6.39	
For>10 To 50, Deduct	-0.09	
For>50 To 100, Deduct	-0.25	
For>100 To 250, Deduct	-0.49	
For>250 To 500, Deduct	-0.92	
For>500, Deduct	-1.44	
06 05 23 00-0314 EA 1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12).....	4.08	
For>10 To 50, Deduct	-0.06	
For>50 To 100, Deduct	-0.17	
For>100 To 250, Deduct	-0.33	
For>250 To 500, Deduct	-0.62	
For>500, Deduct	-0.99	
06 05 23 00-0315 EA 1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16).....	5.21	
For>10 To 50, Deduct	-0.07	
For>50 To 100, Deduct	-0.20	
For>100 To 250, Deduct	-0.40	
For>250 To 500, Deduct	-0.75	
For>500, Deduct	-1.18	
06 05 23 00-0316 EA 1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18).....	6.04	
For>10 To 50, Deduct	-0.08	
For>50 To 100, Deduct	-0.23	
For>100 To 250, Deduct	-0.46	
For>250 To 500, Deduct	-0.85	
For>500, Deduct	-1.34	
06 05 23 00-0317 EA 1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20).....	6.44	
For>10 To 50, Deduct	-0.09	
For>50 To 100, Deduct	-0.25	
For>100 To 250, Deduct	-0.50	
For>250 To 500, Deduct	-0.92	
For>500, Deduct	-1.45	
06 05 23 00-0318 EA 1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24).....	8.68	
For>10 To 50, Deduct	-0.10	
For>50 To 100, Deduct	-0.31	
For>100 To 250, Deduct	-0.62	
For>250 To 500, Deduct	-1.13	
For>500, Deduct	-1.74	
06 05 23 00-0319 EA 1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16).....	6.63	
For>10 To 50, Deduct	-0.07	
For>50 To 100, Deduct	-0.24	
For>100 To 250, Deduct	-0.47	
For>250 To 500, Deduct	-0.85	
For>500, Deduct	-1.32	
06 05 23 00-0320 EA 1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20).....	7.94	
For>10 To 50, Deduct	-0.09	
For>50 To 100, Deduct	-0.29	
For>100 To 250, Deduct	-0.57	
For>250 To 500, Deduct	-1.03	
For>500, Deduct	-1.60	
06 05 23 00-0321 EA 1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24).....	9.20	
For>10 To 50, Deduct	-0.10	
For>50 To 100, Deduct	-0.33	
For>100 To 250, Deduct	-0.65	
For>250 To 500, Deduct	-1.17	
For>500, Deduct	-1.80	
06 05 23 00-0322 Retrofit Plate Strap <small>(06 05 23 00-0271)</small>		
06 05 23 00-0323 EA 1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18).....	6.68	
For>10 To 50, Deduct	-0.08	
For>50 To 100, Deduct	-0.25	
For>100 To 250, Deduct	-0.49	
For>250 To 500, Deduct	-0.90	
For>500, Deduct	-1.40	
06 05 23 00-0324 EA 1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22).....	7.58	
For>10 To 50, Deduct	-0.08	
For>50 To 100, Deduct	-0.27	
For>100 To 250, Deduct	-0.54	
For>250 To 500, Deduct	-0.97	
For>500, Deduct	-1.49	
06 05 23 00-0325 EA 1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	9.01	
For>10 To 50, Deduct	-0.08	
For>50 To 100, Deduct	-0.30	
For>100 To 250, Deduct	-0.61	
For>250 To 500, Deduct	-1.07	
For>500, Deduct	-1.63	
06 05 23 00-0326 Stud Shoe <small>(06 05 23 00-0271)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0327 EA 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5).....	11.20	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.75	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-2.00	
06 05 23 00-0328 EA 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5).....	21.72	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-2.11	
<i>For >500, Deduct</i>	-3.05	
06 05 23 00-0329 EA 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3).....	21.81	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-2.11	
<i>For >500, Deduct</i>	-3.06	
06 05 23 00-0330 EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5).....	29.12	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.82	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.66	
<i>For >500, Deduct</i>	-3.79	
06 05 23 00-0331 EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5).....	27.38	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.78	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.61	
06 05 23 00-0332 EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3).....	29.64	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.84	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.84	
06 05 23 00-0333 EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3).....	31.36	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.88	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.83	
<i>For >500, Deduct</i>	-4.01	
06 05 23 00-0334 EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3).....	47.21	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100 To 250, Deduct</i>	-2.55	
<i>For >250 To 500, Deduct</i>	-4.02	
<i>For >500, Deduct</i>	-5.60	
06 05 23 00-0335 Nail Stops <small>(06 05 23 00-0271)</small>		
06 05 23 00-0336 EA 1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1).....	3.31	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.92	
06 05 23 00-0337 EA 1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2).....	3.45	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.93	
06 05 73 Wood Treatment <small>(06 05)</small>		
06 05 73 13 Fire-Retardant Wood Treatment <small>(06 05 73)</small>		
06 05 73 13-0001 Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber.....	766.14	
06 05 73 33 Preservative Wood Treatment <small>(06 05 73)</small>		
06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber.....	157.64	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 05 73 Wood Treatment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 10 Rough Carpentry ⁽⁰⁶⁾**06 11 Wood Framing** ^(06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products ^(06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members ^(06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists ^(06 11 13 00-0001)

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	5.27	2.17
		<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	<i>0.97</i>	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	6.59	2.56
		<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	<i>1.38</i>	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	8.43	3.06
		<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	<i>1.91</i>	

06 11 13 00-0006 Built-Up Posts ^(06 11 13 00-0001)

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post.....	5.27	2.17
		<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	<i>0.97</i>	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post.....	6.59	2.56
		<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	<i>1.38</i>	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post.....	8.43	3.06
		<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	<i>1.91</i>	

06 11 16 Mechanically Graded Lumber ^(06 11)**06 11 16 00-0001 Rafters And Joists** ^(06 11 16)**06 11 16 00-0002 Rafters** ^(06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter.....	3.02	1.53
06 11 16 00-0004	LF	2" x 8" Wood Rafter.....	3.54	1.66
06 11 16 00-0005	LF	2" x 10" Wood Rafter.....	5.11	2.42
06 11 16 00-0006	LF	2" x 12" Wood Rafter.....	5.89	2.69
06 11 16 00-0007	LF	2" x 14" Wood Rafter.....	6.41	2.94
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter.....	3.28	1.53
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter.....	3.89	1.66
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter.....	5.33	2.42
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter.....	6.36	2.69

06 11 16 00-0012 Joists ^(06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist.....	2.63	1.28
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist.....	3.29	1.41
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist.....	4.21	1.79
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist.....	5.00	2.05
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist.....	5.51	2.17
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist.....	2.89	1.28
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist.....	3.64	1.41
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist.....	4.43	1.79
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist.....	5.47	2.05

06 11 16 00-0022 Purlins ^(06 11 16 00-0001)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin.....	2.11	0.77
06 11 16 00-0024	LF	2" x 6" Wood Purlin.....	2.65	0.84
06 11 16 00-0025	LF	2" x 8" Wood Purlin.....	3.23	0.93
06 11 16 00-0026	LF	2" x 10" Wood Purlin.....	3.96	1.02
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin.....	2.27	0.77
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin.....	2.91	0.84
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin.....	3.58	0.93
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin.....	4.18	1.02

06 11 16 00-0031 Exposed Rafters Or Joists ^(06 11 16 00-0001)**06 11 16 00-0032 Redwood Rafters Or Joists** ^(06 11 16 00-0031)

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist.....	4.05	1.28
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist.....	4.95	1.41
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist.....	6.17	1.79
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist.....	7.49	2.05

06 11 16 00-0037 Cedar Rafters Or Joists ^(06 11 16 00-0031)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0038 LF 2" x 6" Cedar Rafter Or Joist.....	2.64	1.28
06 11 16 00-0039 LF 2" x 8" Cedar Rafter Or Joist.....	2.96	1.41
06 11 16 00-0040 LF 2" x 10" Cedar Rafter Or Joist.....	3.41	1.79
06 11 16 00-0041 LF 2" x 12" Cedar Rafter Or Joist.....	3.86	2.05
06 11 16 00-0042 Oak Rafters Or Joists <small>(06 11 16 00-0031)</small>		
06 11 16 00-0043 LF 2" x 6" Oak Rafter Or Joist.....	3.22	1.28
06 11 16 00-0044 LF 2" x 8" Oak Rafter Or Joist.....	4.43	1.41
06 11 16 00-0045 LF 2" x 10" Oak Rafter Or Joist.....	5.76	1.79
06 11 16 00-0046 LF 2" x 12" Oak Rafter Or Joist.....	7.10	2.05
06 11 16 00-0047 Framing <small>(06 11 16)</small>		
06 11 16 00-0048 Partition Framing <small>(06 11 16 00-0047)</small>		
06 11 16 00-0049 LF 2" x 4" Wood Stud Framing, For Partition Walls	2.05	1.02
06 11 16 00-0050 LF 2" x 6" Wood Stud Framing, For Partition Walls	2.50	1.09
06 11 16 00-0051 LF 2" x 8" Wood Stud Framing, For Partition Walls	2.97	1.15
06 11 16 00-0052 LF 2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.21	1.02
06 11 16 00-0053 LF 2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.76	1.09
06 11 16 00-0054 LF 2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	3.32	1.15
06 11 16 00-0055 Wall Framing Assemblies By The SF <small>(06 11 16 00-0047)</small>		
<small>Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.</small>		
06 11 16 00-0056 Wall Framing By The SF, 12" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0057 SF 2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.66	1.24
<small>For Up To 200, Add 0.90</small>		
<small>For >200 To 500, Add 0.45</small>		
06 11 16 00-0058 SF 2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.59	1.58
<small>For Up To 200, Add 1.19</small>		
<small>For >200 To 500, Add 0.59</small>		
06 11 16 00-0059 SF 2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.78	2.11
<small>For Up To 200, Add 1.58</small>		
<small>For >200 To 500, Add 0.79</small>		
06 11 16 00-0060 Wall Framing By The SF, 16" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0061 SF 2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.16	0.99
<small>For Up To 200, Add 0.73</small>		
<small>For >200 To 500, Add 0.36</small>		
06 11 16 00-0062 SF 2" x 6" At 16" On Center, Wood Wall Framing Assembly	2.97	1.32
<small>For Up To 200, Add 0.98</small>		
<small>For >200 To 500, Add 0.49</small>		
06 11 16 00-0063 SF 2" x 8" At 16" On Center, Wood Wall Framing Assembly	3.98	1.77
<small>For Up To 200, Add 1.32</small>		
<small>For >200 To 500, Add 0.66</small>		
06 11 16 00-0064 Wall Framing By The SF, 24" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0065 SF 2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.71	0.78
<small>For Up To 200, Add 0.57</small>		
<small>For >200 To 500, Add 0.29</small>		
06 11 16 00-0066 SF 2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.34	1.02
<small>For Up To 200, Add 0.77</small>		
<small>For >200 To 500, Add 0.39</small>		
06 11 16 00-0067 SF 2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.12	1.37
<small>For Up To 200, Add 1.03</small>		
<small>For >200 To 500, Add 0.52</small>		
06 11 16 00-0068 Sills And Plates <small>(06 11 16)</small>		
06 11 16 00-0069 Sills <small>(06 11 16 00-0068)</small>		
<small>Note: A horizontal member which rests on and is attached to the foundation.</small>		
06 11 16 00-0070 LF 2" x 4" Wood Sill	3.45	1.92
06 11 16 00-0071 LF 2" x 6" Wood Sill	4.17	2.17
06 11 16 00-0072 LF 2" x 8" Wood Sill	4.98	2.42
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill.....	3.61	1.92
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill.....	4.43	2.17
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill.....	5.33	2.42
06 11 16 00-0076 Plates <small>(06 11 16 00-0068)</small>		
<small>Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.</small>		
06 11 16 00-0077 LF 2" x 4" Wood Plate.....	3.45	1.92
06 11 16 00-0078 LF 2" x 6" Wood Plate.....	4.17	2.17
06 11 16 00-0079 LF 2" x 8" Wood Plate.....	4.95	2.42

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0080	LF		2" x 4" Pressure Treated Wood Plate	3.61	1.92
06 11 16 00-0081	LF		2" x 6" Pressure Treated Wood Plate	4.43	2.17
06 11 16 00-0082	LF		2" x 8" Pressure Treated Wood Plate	5.30	2.42
06 11 16 00-0083			Sills And Plates From Redwood (06 11 16 00-0083)		
06 11 16 00-0084			Construction Grade/Rough (06 11 16 00-0083)		
06 11 16 00-0085	LF		2" x 6" Redwood, Construction Grade/Rough	6.43	2.17
06 11 16 00-0086	LF		2" x 8" Redwood, Construction Grade/Rough	8.53	2.42
06 11 16 00-0087	LF		2" x 10" Redwood, Construction Grade/Rough	10.38	2.69
06 11 16 00-0088	LF		2" x 12" Redwood, Construction Grade/Rough	12.52	2.94
06 11 16 00-0089			Con Heart/Smooth (06 11 16 00-0083)		
06 11 16 00-0090	LF		2" x 6" Redwood, Con Heart/Smooth	7.80	2.17
06 11 16 00-0091	LF		2" x 8" Redwood, Con Heart/Smooth	10.59	2.42
06 11 16 00-0092	LF		2" x 10" Redwood, Con Heart/Smooth	13.87	2.69
06 11 16 00-0093	LF		2" x 12" Redwood, Con Heart/Smooth	16.68	2.94
06 11 16 00-0094			Suspended Ceiling Framing (06 11 16)		
06 11 16 00-0095	LF		1" x 2" Wood Suspended Ceiling Framing	2.82	1.66
06 11 16 00-0096	LF		1" x 3" Wood Suspended Ceiling Framing	3.09	1.79
06 11 16 00-0097	LF		1" x 4" Wood Suspended Ceiling Framing	3.24	1.92
06 11 16 00-0098	LF		2" x 2" Wood Suspended Ceiling Framing	3.34	1.92
06 11 16 00-0099	LF		2" x 4" Wood Suspended Ceiling Framing	3.97	2.17
06 11 16 00-0100	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.00	1.66
06 11 16 00-0101	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.11	1.79
06 11 16 00-0102	LF		1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.35	1.92
06 11 16 00-0103	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.47	1.92
06 11 16 00-0104	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.07	2.17
06 11 16 00-0105			Posts And Girts (06 11 16)		
06 11 16 00-0106			Posts (06 11 16 00-0105)		
			Note: A vertical, upright framing member.		
06 11 16 00-0107	LF		4" x 4" Wood Post	5.07	2.42
06 11 16 00-0108	LF		4" x 5" Wood Post	5.80	2.81
06 11 16 00-0109	LF		4" x 6" Wood Post	6.39	3.06
06 11 16 00-0110	LF		6" x 6" Wood Post	7.10	3.33
06 11 16 00-0111	LF		8" x 8" Wood Post	7.83	3.45
06 11 16 00-0112	LF		10" x 10" Wood Post	8.55	3.97
06 11 16 00-0113	LF		4" x 4" Pressure Treated Wood Post	6.40	2.42
06 11 16 00-0114	LF		3" x 6" Pressure Treated Wood Post	7.35	3.06
06 11 16 00-0115	LF		4" x 6" Pressure Treated Wood Post	8.95	3.06
06 11 16 00-0116	LF		6" x 6" Pressure Treated Wood Post	12.39	3.33
06 11 16 00-0117			Girts (06 11 16 00-0105)		
			Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF		2" x 4" Wood Girt	2.43	0.92
06 11 16 00-0119	LF		2" x 6" Wood Girt	2.99	1.01
06 11 16 00-0120	LF		2" x 8" Wood Girt	3.59	1.12
06 11 16 00-0121	LF		2" x 10" Wood Girt	4.37	1.23
06 11 16 00-0122	LF		4" x 4" Wood Girt	4.91	1.85
06 11 16 00-0123	LF		4" x 5" Wood Girt	5.63	2.07
06 11 16 00-0124	LF		4" x 6" Wood Girt	6.36	2.30
06 11 16 00-0125	LF		6" x 6" Wood Girt	7.08	2.54
06 11 16 00-0126	LF		8" x 8" Wood Girt	7.80	2.76
06 11 16 00-0127	LF		10" x 10" Wood Girt	8.53	3.00
06 11 16 00-0128	LF		2" x 4" Pressure Treated Wood Girt	2.59	0.92
06 11 16 00-0129	LF		2" x 6" Pressure Treated Wood Girt	3.25	1.01
06 11 16 00-0130	LF		2" x 8" Pressure Treated Wood Girt	3.94	1.12
06 11 16 00-0131	LF		2" x 10" Pressure Treated Wood Girt	4.59	1.23
06 11 16 00-0132	LF		4" x 4" Pressure Treated Wood Girt	6.40	1.85
06 11 16 00-0133	LF		3" x 6" Pressure Treated Wood Girt	7.35	2.30
06 11 16 00-0134	LF		4" x 6" Pressure Treated Wood Girt	8.95	2.30
06 11 16 00-0135	LF		6" x 6" Pressure Treated Wood Girt	12.39	2.54
06 11 16 00-0136			Construction Grade/Rough Redwood Posts (06 11 16 00-0105)		
06 11 16 00-0137	LF		4" x 4" Redwood, Construction Grade/Rough Post	9.91	2.42
			For Smooth "Clear", Add	1.25	
06 11 16 00-0138	LF		4" x 5" Redwood, Construction Grade/Rough Post	11.92	2.81
			For Smooth "Clear", Add	1.56	
06 11 16 00-0139	LF		4" x 6" Redwood, Construction Grade/Rough Post	13.98	3.06
			For Smooth "Clear", Add	1.87	
06 11 16 00-0140	LF		4" x 8" Redwood, Construction Grade/Rough Post	17.29	3.16
			For Smooth "Clear", Add	2.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0141 LF 4" x 10" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	20.70 3.12	3.36
06 11 16 00-0142 LF 6" x 6" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	19.12 2.81	3.33
06 11 16 00-0143 LF 6" x 8" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	24.00 3.75	3.45
06 11 16 00-0144 LF 6" x 10" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	28.82 4.68	3.24
06 11 16 00-0145 LF 8" x 8" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	30.51 4.99	3.45
06 11 16 00-0146 Stair Stringers <small>(06 11 16)</small> See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0147 LF 2" x 10" Wood Stair Stringer	9.54	5.11
06 11 16 00-0148 LF 2" x 12" Wood Stair Stringer	11.29	6.01
06 11 16 00-0149 LF 2" x 10" Pressure Treated Wood Stair Stringer.....	9.80	5.11
06 11 16 00-0150 LF 2" x 12" Pressure Treated Wood Stair Stringer.....	11.73	6.01
06 11 16 00-0151 Blocking And Sleepers <small>(06 11 16)</small>		
06 11 16 00-0152 Blocking <small>(06 11 16 00-0151)</small>		
06 11 16 00-0153 Blocking To Wood <small>(06 11 16 00-0152)</small>		
06 11 16 00-0154 LF 2" x 4" Pressure Treated Wood Blocking To Wood	7.20	3.07
06 11 16 00-0155 LF 2" x 6" Pressure Treated Wood Blocking To Wood	8.53	3.38
06 11 16 00-0156 LF 2" x 8" Pressure Treated Wood Blocking To Wood	9.72	3.71
06 11 16 00-0157 LF 4" x 4" Pressure Treated Wood Blocking To Wood	11.24	4.09
06 11 16 00-0158 LF 4" x 6" Pressure Treated Wood Blocking To Wood	13.55	4.49
06 11 16 00-0159 LF 2" x 4" Wood Blocking To Wood	6.72	3.07
06 11 16 00-0160 LF 2" x 6" Wood Blocking To Wood	7.73	3.38
06 11 16 00-0161 LF 2" x 8" Wood Blocking To Wood	8.81	3.71
06 11 16 00-0162 LF 4" x 4" Wood Blocking To Wood	9.58	4.09
06 11 16 00-0163 LF 4" x 6" Wood Blocking To Wood	10.78	4.49
06 11 16 00-0164 Blocking To Steel <small>(06 11 16 00-0152)</small>		
06 11 16 00-0165 LF 2" x 4" Pressure Treated Wood Blocking To Steel.....	8.24	3.53
06 11 16 00-0166 LF 2" x 6" Pressure Treated Wood Blocking To Steel.....	9.72	3.89
06 11 16 00-0167 LF 2" x 8" Pressure Treated Wood Blocking To Steel.....	11.06	4.28
06 11 16 00-0168 LF 2" x 4" Wood Blocking To Steel	7.71	3.53
06 11 16 00-0169 LF 2" x 6" Wood Blocking To Steel	8.84	3.89
06 11 16 00-0170 LF 2" x 8" Wood Blocking To Steel	10.06	4.28
06 11 16 00-0171 Blocking To Concrete <small>(06 11 16 00-0152)</small>		
06 11 16 00-0172 LF 2" x 4" Pressure Treated Wood Blocking To Concrete	8.24	3.53
06 11 16 00-0173 LF 2" x 6" Pressure Treated Wood Blocking To Concrete	9.72	3.89
06 11 16 00-0174 LF 2" x 8" Pressure Treated Wood Blocking To Concrete	11.06	4.28
06 11 16 00-0175 LF 2" x 4" Wood Blocking To Concrete.....	7.71	3.53
06 11 16 00-0176 LF 2" x 6" Wood Blocking To Concrete.....	8.84	3.89
06 11 16 00-0177 LF 2" x 8" Wood Blocking To Concrete.....	10.06	4.28
06 11 16 00-0178 Pressure Treated Lattice <small>(06 11 16 00-0151)</small>		
06 11 16 00-0179 SF 3/4" Thick Pressure Treated Wood Lattice	7.87	2.69
06 11 16 00-0180 Sleepers <small>(06 11 16 00-0151)</small>		
06 11 16 00-0181 Sleepers To Wood <small>(06 11 16 00-0180)</small>		
06 11 16 00-0182 LF 1" x 2" Pressure Treated Wood Sleeper On Wood.....	1.33	0.45
06 11 16 00-0183 LF 1" x 3" Pressure Treated Wood Sleeper On Wood.....	1.44	0.51
06 11 16 00-0184 LF 1" x 4" Pressure Treated Wood Sleeper On Wood.....	1.70	0.58
06 11 16 00-0185 LF 2" x 4" Pressure Treated Wood Sleeper On Wood.....	2.47	0.70
06 11 16 00-0186 LF 2" x 6" Pressure Treated Wood Sleeper On Wood.....	3.31	0.77
06 11 16 00-0187 Sleepers To Concrete <small>(06 11 16 00-0180)</small>		
06 11 16 00-0188 LF 1" x 2" Pressure Treated Wood Sleeper On Concrete.....	1.37	0.45
06 11 16 00-0189 LF 1" x 3" Pressure Treated Wood Sleeper On Concrete.....	1.48	0.51
06 11 16 00-0190 LF 1" x 4" Pressure Treated Wood Sleeper On Concrete.....	1.76	0.58
06 11 16 00-0191 LF 2" x 4" Pressure Treated Wood Sleeper On Concrete.....	2.58	0.70
06 11 16 00-0192 LF 2" x 6" Pressure Treated Wood Sleeper On Concrete.....	3.49	0.77
06 11 16 00-0193 Roofing Nailers <small>(06 11 16)</small>		
06 11 16 00-0194 LF 2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.68	1.02
06 11 16 00-0195 LF 2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.29	1.09
06 11 16 00-0196 LF 2" x 8" Pressure Treated Lumber, For Roofing Nailers	4.92	1.15

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0197			Roofing Sleepers (06 11 16)		
06 11 16 00-0198	LF		2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.70	
06 11 16 00-0199	LF		4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.59	
06 11 16 00-0200	LF		4" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.64	
06 11 16 00-0201	LF		6" x 6" Pressure Treated Lumber, For Roofing Sleepers	9.88	
06 11 16 00-0202			Canopy Framing, Bridging, And Furring (06 11 16)		
06 11 16 00-0203			Wood And Steel Bridging (06 11 16 00-0202)		
06 11 16 00-0204			Wood Bridging (06 11 16 00-0203)		
06 11 16 00-0205	EA		1 Pair Wood Bridging, 1" x 3" Cross Type	10.35	4.48
			Note: For joists spaced at 16" on center.		
06 11 16 00-0206	EA		1 Pair Wood Bridging, 2" x 3" Cross Type	10.67	4.48
			Note: For joists spaced at 16" on center.		
06 11 16 00-0207			Steel Bridging (06 11 16 00-0203)		
06 11 16 00-0208	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center.....	12.56	4.48
06 11 16 00-0209	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center.....	12.52	4.48
06 11 16 00-0210			Light Framing, Trim And Furring (06 11 16 00-0202)		
06 11 16 00-0211			Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0210)		
			Note: S4S board, select grade 1		
06 11 16 00-0212	LF		1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.28	1.05
06 11 16 00-0213	LF		1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.56	1.15
06 11 16 00-0214	LF		1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.97	1.27
06 11 16 00-0215	LF		1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.30	1.39
06 11 16 00-0216	LF		1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.65	1.53
06 11 16 00-0217	LF		1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.05	1.68
06 11 16 00-0218	LF		2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.32	1.39
06 11 16 00-0219	LF		2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.70	1.53
06 11 16 00-0220	LF		2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.35	1.68
06 11 16 00-0221	LF		2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.08	1.86
06 11 16 00-0222	LF		2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	5.99	2.05
06 11 16 00-0223			Cedar Light Framing, Trim And Furring (06 11 16 00-0210)		
			Note: S4S board, select grade 1		
06 11 16 00-0224	LF		1" x 1" Cedar Light Framing, Trim And Furring	2.31	1.05
06 11 16 00-0225	LF		1" x 2" Cedar Light Framing, Trim And Furring	2.72	1.15
06 11 16 00-0226	LF		1" x 4" Cedar Light Framing, Trim And Furring	3.58	1.27
06 11 16 00-0227	LF		1" x 6" Cedar Light Framing, Trim And Furring	4.36	1.39
06 11 16 00-0228	LF		1" x 8" Cedar Light Framing, Trim And Furring	6.43	1.53
06 11 16 00-0229	LF		1" x 10" Cedar Light Framing, Trim And Furring	7.60	1.68
06 11 16 00-0230	LF		2" x 2" Cedar Light Framing, Trim And Furring	3.72	1.39
06 11 16 00-0231	LF		2" x 4" Cedar Light Framing, Trim And Furring	4.30	1.53
06 11 16 00-0232			Oak Light Framing, Trim And Furring (06 11 16 00-0210)		
			Note: S4S board, select grade 1		
06 11 16 00-0233	LF		1" x 1" Oak Light Framing, Trim And Furring	2.32	1.05
06 11 16 00-0234	LF		1" x 2" Oak Light Framing, Trim And Furring	2.74	1.15
06 11 16 00-0235	LF		1" x 4" Oak Light Framing, Trim And Furring	3.43	1.27
06 11 16 00-0236	LF		1" x 6" Oak Light Framing, Trim And Furring	4.12	1.39
06 11 16 00-0237	LF		1" x 8" Oak Light Framing, Trim And Furring	4.84	1.53
06 11 16 00-0238	LF		1" x 10" Oak Light Framing, Trim And Furring	5.60	1.68
06 11 16 00-0239	LF		2" x 2" Oak Light Framing, Trim And Furring	3.68	1.39
06 11 16 00-0240	LF		2" x 4" Oak Light Framing, Trim And Furring	4.84	1.53
06 11 16 00-0241			Redwood Light Framing, Trim And Furring (06 11 16 00-0210)		
			Note: S4S board, select grade 1		
06 11 16 00-0242	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	2.26	1.05
06 11 16 00-0243	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	2.62	1.15
06 11 16 00-0244	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	3.21	1.27
06 11 16 00-0245	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	3.86	1.39
06 11 16 00-0246	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	4.56	1.53
06 11 16 00-0247	LF		1" x 10" Redwood Light Framing, Trim And Furring.....	5.35	1.68
06 11 16 00-0248	LF		2" x 2" Redwood Light Framing, Trim And Furring.....	3.88	1.39
06 11 16 00-0249	LF		2" x 4" Redwood Light Framing, Trim And Furring.....	4.59	1.53
06 11 16 00-0250			Poplar Light Framing, Trim And Furring (06 11 16 00-0210)		
			Note: S4S board, select grade 1		
06 11 16 00-0251	LF		1" x 1" Poplar Light Framing, Trim And Furring	2.63	1.05
06 11 16 00-0252	LF		1" x 2" Poplar Light Framing, Trim And Furring	3.21	1.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0253 LF 1" x 4" Poplar Light Framing, Trim And Furring	4.05	1.27
06 11 16 00-0254 LF 1" x 6" Poplar Light Framing, Trim And Furring	5.14	1.39
06 11 16 00-0255 LF 1" x 8" Poplar Light Framing, Trim And Furring	5.97	1.53
06 11 16 00-0256 LF 1" x 10" Poplar Light Framing, Trim And Furring	7.87	1.68
06 11 16 00-0257 LF 1" x 12" Poplar Light Framing, Trim And Furring	8.51	1.68
06 11 16 00-0258 LF 2" x 2" Poplar Light Framing, Trim And Furring	6.74	1.39
06 11 16 00-0259 LF 2" x 4" Poplar Light Framing, Trim And Furring	7.55	1.53
06 11 16 00-0260 LF 2" x 6" Poplar Light Framing, Trim And Furring	10.10	1.68
06 11 16 00-0261 Maple Light Framing, Trim And Furring (06 11 16 00-0210)		
Note: S4S board, select grade 1		
06 11 16 00-0262 LF 1" x 4" Maple Light Framing, Trim And Furring	5.05	1.27
06 11 16 00-0263 LF 1" x 6" Maple Light Framing, Trim And Furring	6.69	1.39
06 11 16 00-0264 LF 1" x 8" Maple Light Framing, Trim And Furring	8.37	1.53

06 13 Heavy Timber Construction (06 10)

06 13 23 Heavy Timber Framing (06 13)

06 13 23 00-0001 Heavy Timber Framing (06 13 23)
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)

06 13 23 00-0003 Pine, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0004 LF 4" x 4", Pine, Heavy Timber Beam.....	6.76	2.27
06 13 23 00-0005 LF 4" x 6", Pine, Heavy Timber Beam.....	8.08	2.36
06 13 23 00-0006 LF 4" x 8", Pine, Heavy Timber Beam.....	9.38	2.47
06 13 23 00-0007 LF 4" x 10", Pine, Heavy Timber Beam.....	12.02	2.62
06 13 23 00-0008 LF 4" x 12", Pine, Heavy Timber Beam.....	14.17	2.78
06 13 23 00-0009 LF 6" x 6", Pine, Heavy Timber Beam.....	10.09	2.56
06 13 23 00-0010 LF 6" x 8", Pine, Heavy Timber Beam.....	11.99	2.69
06 13 23 00-0011 LF 6" x 10", Pine, Heavy Timber Beam.....	15.91	2.88
06 13 23 00-0012 LF 6" x 12", Pine, Heavy Timber Beam.....	18.79	2.94
06 13 23 00-0013 LF 8" x 8", Pine, Heavy Timber Beam.....	14.48	2.78
06 13 23 00-0014 LF 8" x 10", Pine, Heavy Timber Beam.....	19.29	2.88
06 13 23 00-0015 LF 8" x 12", Pine, Heavy Timber Beam.....	23.20	2.94
06 13 23 00-0016 LF 10" x 10", Pine, Heavy Timber Beam.....	22.93	2.94
06 13 23 00-0017 LF 10" x 12", Pine, Heavy Timber Beam.....	27.91	3.20
06 13 23 00-0018 LF 12" x 12", Pine, Heavy Timber Beam.....	32.84	3.52

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0020 LF 4" x 4", Douglas Fir, Heavy Timber Beam.....	6.99	2.27
06 13 23 00-0021 LF 4" x 6", Douglas Fir, Heavy Timber Beam.....	8.41	2.36
06 13 23 00-0022 LF 4" x 8", Douglas Fir, Heavy Timber Beam.....	9.83	2.47
06 13 23 00-0023 LF 4" x 10", Douglas Fir, Heavy Timber Beam.....	12.70	2.62
06 13 23 00-0024 LF 4" x 12", Douglas Fir, Heavy Timber Beam.....	15.02	2.78
06 13 23 00-0025 LF 6" x 6", Douglas Fir, Heavy Timber Beam.....	10.58	2.56
06 13 23 00-0026 LF 6" x 8", Douglas Fir, Heavy Timber Beam.....	12.65	2.69
06 13 23 00-0027 LF 6" x 10", Douglas Fir, Heavy Timber Beam.....	16.91	2.88
06 13 23 00-0028 LF 6" x 12", Douglas Fir, Heavy Timber Beam.....	20.08	2.94
06 13 23 00-0029 LF 8" x 8", Douglas Fir, Heavy Timber Beam.....	15.37	2.78
06 13 23 00-0030 LF 8" x 10", Douglas Fir, Heavy Timber Beam.....	20.65	2.88
06 13 23 00-0031 LF 8" x 12", Douglas Fir, Heavy Timber Beam.....	24.92	2.94
06 13 23 00-0032 LF 10" x 10", Douglas Fir, Heavy Timber Beam.....	24.61	2.94
06 13 23 00-0033 LF 10" x 12", Douglas Fir, Heavy Timber Beam.....	30.03	3.20
06 13 23 00-0034 LF 12" x 12", Douglas Fir, Heavy Timber Beam.....	35.41	3.52

06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0036 LF 4" x 4", Pressure Treated, Heavy Timber Beam.....	7.26	2.27
06 13 23 00-0037 LF 4" x 6", Pressure Treated, Heavy Timber Beam.....	9.07	2.36
06 13 23 00-0038 LF 4" x 8", Pressure Treated, Heavy Timber Beam.....	10.65	2.47
06 13 23 00-0039 LF 4" x 10", Pressure Treated, Heavy Timber Beam.....	13.93	2.62
06 13 23 00-0040 LF 4" x 12", Pressure Treated, Heavy Timber Beam.....	16.59	2.78
06 13 23 00-0041 LF 6" x 6", Pressure Treated, Heavy Timber Beam.....	12.39	2.56
06 13 23 00-0042 LF 6" x 8", Pressure Treated, Heavy Timber Beam.....	15.10	2.69
06 13 23 00-0043 LF 6" x 10", Pressure Treated, Heavy Timber Beam.....	18.03	2.88
06 13 23 00-0044 LF 6" x 12", Pressure Treated, Heavy Timber Beam.....	22.00	2.94
06 13 23 00-0045 LF 8" x 8", Pressure Treated, Heavy Timber Beam.....	22.18	2.78
06 13 23 00-0046 LF 8" x 10", Pressure Treated, Heavy Timber Beam.....	25.70	2.88
06 13 23 00-0047 LF 8" x 12", Pressure Treated, Heavy Timber Beam.....	30.19	2.94
06 13 23 00-0048 LF 10" x 10", Pressure Treated, Heavy Timber Beam.....	30.31	2.94
06 13 23 00-0049 LF 10" x 12", Pressure Treated, Heavy Timber Beam.....	39.95	3.20
06 13 23 00-0050 LF 12" x 12", Pressure Treated, Heavy Timber Beam.....	47.32	3.52

06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 13 23 00-0052 Pine, Heavy Timber Columns <small>(06 13 23 00-0051)</small>			
06 13 23 00-0053	LF 4" x 4", Pine, Heavy Timber Column.....	4.61	1.20
06 13 23 00-0054	LF 4" x 6", Pine, Heavy Timber Column.....	5.88	1.26
06 13 23 00-0055	LF 4" x 8", Pine, Heavy Timber Column.....	7.05	1.30
06 13 23 00-0056	LF 4" x 10", Pine, Heavy Timber Column.....	9.53	1.38
06 13 23 00-0057	LF 4" x 12", Pine, Heavy Timber Column.....	11.54	1.46
06 13 23 00-0058	LF 6" x 6", Pine, Heavy Timber Column.....	7.69	1.34
06 13 23 00-0059	LF 6" x 8", Pine, Heavy Timber Column.....	9.48	1.39
06 13 23 00-0060	LF 6" x 10", Pine, Heavy Timber Column.....	13.18	1.51
06 13 23 00-0061	LF 6" x 12", Pine, Heavy Timber Column.....	16.00	1.55
06 13 23 00-0062	LF 8" x 8", Pine, Heavy Timber Column.....	11.85	1.46
06 13 23 00-0063	LF 8" x 10", Pine, Heavy Timber Column.....	16.56	1.51
06 13 23 00-0064	LF 8" x 12", Pine, Heavy Timber Column.....	20.36	1.57
06 13 23 00-0065	LF 10" x 10", Pine, Heavy Timber Column.....	20.09	1.58
06 13 23 00-0066	LF 10" x 12", Pine, Heavy Timber Column.....	24.89	1.68
06 13 23 00-0067	LF 12" x 12", Pine, Heavy Timber Column.....	29.51	1.85

06 13 23 00-0068 Douglas Fir, Heavy Timber Columns <small>(06 13 23 00-0051)</small>			
06 13 23 00-0069	LF 4" x 4", Douglas Fir, Heavy Timber Column.....	4.84	1.20
06 13 23 00-0070	LF 4" x 6", Douglas Fir, Heavy Timber Column.....	6.21	1.26
06 13 23 00-0071	LF 4" x 8", Douglas Fir, Heavy Timber Column.....	7.50	1.30
06 13 23 00-0072	LF 4" x 10", Douglas Fir, Heavy Timber Column.....	10.21	1.38
06 13 23 00-0073	LF 4" x 12", Douglas Fir, Heavy Timber Column.....	12.39	1.46
06 13 23 00-0074	LF 6" x 6", Douglas Fir, Heavy Timber Column.....	8.18	1.34
06 13 23 00-0075	LF 6" x 8", Douglas Fir, Heavy Timber Column.....	10.14	1.39
06 13 23 00-0076	LF 6" x 10", Douglas Fir, Heavy Timber Column.....	14.18	1.51
06 13 23 00-0077	LF 6" x 12", Douglas Fir, Heavy Timber Column.....	17.29	1.55
06 13 23 00-0078	LF 8" x 8", Douglas Fir, Heavy Timber Column.....	12.74	1.46
06 13 23 00-0079	LF 8" x 10", Douglas Fir, Heavy Timber Column.....	17.92	1.51
06 13 23 00-0080	LF 8" x 12", Douglas Fir, Heavy Timber Column.....	22.08	1.57
06 13 23 00-0081	LF 10" x 10", Douglas Fir, Heavy Timber Column.....	21.77	1.58
06 13 23 00-0082	LF 10" x 12", Douglas Fir, Heavy Timber Column.....	27.01	1.68
06 13 23 00-0083	LF 12" x 12", Douglas Fir, Heavy Timber Column.....	32.08	1.85

06 13 23 00-0084 Pressure Treated, Heavy Timber Columns <small>(06 13 23 00-0051)</small>			
06 13 23 00-0085	LF 4" x 4", Pressure Treated, Heavy Timber Column.....	5.11	1.20
06 13 23 00-0086	LF 4" x 6", Pressure Treated, Heavy Timber Column.....	6.87	1.26
06 13 23 00-0087	LF 4" x 8", Pressure Treated, Heavy Timber Column.....	8.32	1.30
06 13 23 00-0088	LF 4" x 10", Pressure Treated, Heavy Timber Column.....	11.44	1.38
06 13 23 00-0089	LF 4" x 12", Pressure Treated, Heavy Timber Column.....	13.96	1.46
06 13 23 00-0090	LF 6" x 6", Pressure Treated, Heavy Timber Column.....	9.99	1.34
06 13 23 00-0091	LF 6" x 8", Pressure Treated, Heavy Timber Column.....	12.59	1.39
06 13 23 00-0092	LF 6" x 10", Pressure Treated, Heavy Timber Column.....	15.30	1.51
06 13 23 00-0093	LF 6" x 12", Pressure Treated, Heavy Timber Column.....	19.21	1.55
06 13 23 00-0094	LF 8" x 8", Pressure Treated, Heavy Timber Column.....	19.55	1.46
06 13 23 00-0095	LF 8" x 10", Pressure Treated, Heavy Timber Column.....	22.97	1.51
06 13 23 00-0096	LF 8" x 12", Pressure Treated, Heavy Timber Column.....	27.35	1.57
06 13 23 00-0097	LF 10" x 10", Pressure Treated, Heavy Timber Column.....	27.47	1.58
06 13 23 00-0098	LF 10" x 12", Pressure Treated, Heavy Timber Column.....	36.93	1.68
06 13 23 00-0099	LF 12" x 12", Pressure Treated, Heavy Timber Column.....	43.99	1.85

06 15 Wood Decking (06 10)**06 15 13 Wood Floor Decking (06 15)**

06 15 13 00-0001 Wood Deck Systems <small>(06 15 13)</small>			
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.			
06 15 13 00-0002 Pressure Treated Wood Deck System <small>(06 15 13 00-0001)</small>			
06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>			
06 15 13 00-0004	SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.76	7.62
06 15 13 00-0005	SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	38.49	7.24
06 15 13 00-0006	SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	41.24	7.81
06 15 13 00-0007	SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.97	7.43
06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>			
06 15 13 00-0009	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	41.09	7.81
06 15 13 00-0010	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.77	7.42
06 15 13 00-0011	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	42.61	8.01
06 15 13 00-0012	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center.....	41.31	7.61
06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>			
06 15 13 00-0014	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	39.76	7.62



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	06 15 13 00-0015	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	38.49	7.24
	06 15 13 00-0016	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	41.24	7.81
	06 15 13 00-0017	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	39.97	7.43
06 15 13 00-0018		Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0001)</small>		
06 15 13 00-0019		2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
	06 15 13 00-0020	SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.43	7.62
	06 15 13 00-0021	SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.28	7.61
	06 15 13 00-0022	SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.59	7.81
	06 15 13 00-0023	SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.13	7.43
06 15 13 00-0024		2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
	06 15 13 00-0025	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.28	7.81
	06 15 13 00-0026	SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.09	7.42
	06 15 13 00-0027	SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.62	8.01
	06 15 13 00-0028	SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.15	7.61
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
	06 15 13 00-0030	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.51	7.62
	06 15 13 00-0031	SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.36	7.24
	06 15 13 00-0032	SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.72	7.81
	06 15 13 00-0033	SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.12	7.43
06 15 13 00-0034		Wood Ramp Systems <small>(06 15 13)</small>		
		Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035		Pressure Treated Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0036		2" x 6" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
	06 15 13 00-0037	SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.30	7.43
	06 15 13 00-0038	SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	44.66	7.06
	06 15 13 00-0039	SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.92	7.62
	06 15 13 00-0040	SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.29	7.24
06 15 13 00-0041		2" x 8" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
	06 15 13 00-0042	SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.76	7.62
	06 15 13 00-0043	SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.10	7.24
	06 15 13 00-0044	SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.46	7.81
	06 15 13 00-0045	SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.78	7.43
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
	06 15 13 00-0047	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.28	7.80
	06 15 13 00-0048	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	47.58	7.42
	06 15 13 00-0049	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.03	8.01
	06 15 13 00-0050	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.32	7.61
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
	06 15 13 00-0053	SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	48.81	7.43
	06 15 13 00-0054	SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.29	7.06
	06 15 13 00-0055	SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	51.07	7.62
	06 15 13 00-0056	SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.25	7.24
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
	06 15 13 00-0058	SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.43	7.62
	06 15 13 00-0059	SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	48.89	7.24
	06 15 13 00-0060	SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	52.81	7.81
	06 15 13 00-0061	SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.94	7.43
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
	06 15 13 00-0063	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.49	7.80
	06 15 13 00-0064	SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	51.90	7.42
	06 15 13 00-0065	SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	56.05	8.01

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0066 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	54.71	7.61
06 15 13 00-0067 Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0068 2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0069 SF 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.19	7.43
06 15 13 00-0070 SF 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.59	7.06
06 15 13 00-0071 SF 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.89	7.62
06 15 13 00-0072 SF 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.30	7.24
06 15 13 00-0073 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0074 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.71	7.62
06 15 13 00-0075 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.08	7.24
06 15 13 00-0076 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.48	7.81
06 15 13 00-0077 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.86	7.43
06 15 13 00-0078 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0079 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.31	7.80
06 15 13 00-0080 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.64	7.42
06 15 13 00-0081 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.12	8.01
06 15 13 00-0082 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.46	7.61
06 15 13 00-0083 Wood Stair Systems (06 15 13) Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0084 Pressure Treated Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0086 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	125.77	18.28
06 15 13 00-0087 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	122.69	17.37
06 15 13 00-0088 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.65	18.76
06 15 13 00-0089 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	125.94	17.82
06 15 13 00-0090 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.05	19.21
06 15 13 00-0091 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	128.83	18.24
06 15 13 00-0092 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.13	19.70
06 15 13 00-0093 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.25	18.71
06 15 13 00-0094 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	138.50	20.16
06 15 13 00-0095 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	135.10	19.15
06 15 13 00-0096 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.78	20.68
06 15 13 00-0097 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	138.68	19.65
06 15 13 00-0098 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	147.07	21.18
06 15 13 00-0099 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	143.59	20.11
06 15 13 00-0100 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.63	21.71
06 15 13 00-0101 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.40	20.63
06 15 13 00-0102 2" x 12" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0103 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	128.46	18.75
06 15 13 00-0104 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	124.79	17.81
06 15 13 00-0105 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.57	19.23
06 15 13 00-0106 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	128.83	18.26
06 15 13 00-0107 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	134.88	19.69
06 15 13 00-0108 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.04	18.70
06 15 13 00-0109 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	139.20	20.18
06 15 13 00-0110 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	135.28	19.17
06 15 13 00-0111 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	141.48	20.66
06 15 13 00-0112 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	137.43	19.64
06 15 13 00-0113 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.99	21.20
06 15 13 00-0114 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	141.87	20.14
06 15 13 00-0115 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	150.20	21.70
06 15 13 00-0116 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	146.01	20.62
06 15 13 00-0117 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	155.02	22.26
06 15 13 00-0118 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.76	21.15
06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0119)		
06 15 13 00-0121 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	140.62	18.28
06 15 13 00-0122 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.40	17.37
06 15 13 00-0123 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	145.43	18.76
06 15 13 00-0124 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.18	17.82
06 15 13 00-0125 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	147.65	19.21
06 15 13 00-0126 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	144.28	18.24
06 15 13 00-0127 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	152.69	19.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0128 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	149.30	18.71
06 15 13 00-0129 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	154.80	20.16
06 15 13 00-0130 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.25	19.15
06 15 13 00-0131 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	160.10	20.68
06 15 13 00-0132 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	156.50	19.65
06 15 13 00-0133 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	164.99	21.18
06 15 13 00-0134 RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	161.34	20.11
06 15 13 00-0135 RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	170.67	21.71
06 15 13 00-0136 RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	167.00	20.63
06 15 13 00-0137 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System		
<small>(06 15 13 00-0119)</small>		
06 15 13 00-0138 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.94	18.75
06 15 13 00-0139 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	135.64	17.81
06 15 13 00-0140 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.48	19.23
06 15 13 00-0141 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.24	18.26
06 15 13 00-0142 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.88	19.69
06 15 13 00-0143 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.43	18.70
06 15 13 00-0144 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.65	20.18
06 15 13 00-0145 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.26	19.17
06 15 13 00-0146 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.97	20.66
06 15 13 00-0147 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.33	19.64
06 15 13 00-0148 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	157.95	21.20
06 15 13 00-0149 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.40	20.14
06 15 13 00-0150 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	162.85	21.70
06 15 13 00-0151 RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.10	20.62
06 15 13 00-0152 RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	168.18	22.26
06 15 13 00-0153 RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	164.53	21.15
06 15 13 00-0154 Wood Deck And Ramp Systems Repairs <small>(06 15 13)</small>		
Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155 Deck Joist Or Girt <small>(06 15 13 00-0154)</small>		
See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156 Deck Boards <small>(06 15 13 00-0154)</small>		
See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157 LF 5/4" x 4" Round Edge Pressure Treated Deck Boards	2.33	0.98
06 15 13 00-0158 LF 5/4" x 6" Round Edge Pressure Treated Deck Boards	2.58	1.17
06 15 13 00-0159 LF 2" x 4" Round Edge Pressure Treated Deck Boards	2.47	1.17
06 15 13 00-0160 LF 2" x 6" Round Edge Pressure Treated Deck Boards	3.22	1.34
06 15 13 00-0161 LF 2" x 8" Round Edge Pressure Treated Deck Boards	4.10	1.61
06 15 13 00-0162 LF 2" x 10" Round Edge Pressure Treated Deck Boards	5.02	1.97
06 15 13 00-0163 LF 2" x 12" Round Edge Pressure Treated Deck Boards	6.18	2.32
06 15 13 00-0164 LF 2" x 4" Round Edge Cedar Deck Boards	2.97	1.17
06 15 13 00-0165 LF 2" x 6" Round Edge Cedar Deck Boards	3.85	1.34
06 15 13 00-0166 LF 2" x 4" Round Edge Redwood Deck Boards	3.26	1.17
06 15 13 00-0167 LF 2" x 6" Round Edge Redwood Deck Boards	4.28	1.34
06 15 13 00-0168 Deck Posts <small>(06 15 13 00-0154)</small>		
See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169 Deck Railing And Pickets <small>(06 15 13 00-0154)</small>		
See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170 LF 2" x 4" Pressure Treated Deck Railing	2.47	1.17
06 15 13 00-0171 LF 2" x 2" Pressure Treated Deck Railing Picket	1.85	0.89
06 15 13 00-0172 LF 2" x 4" Cedar Deck Railing	2.97	1.17
06 15 13 00-0173 LF 2" x 2" Cedar Deck Railing Picket	2.24	0.89
06 15 13 00-0174 LF 2" x 4" Redwood Deck Railing	3.26	1.17
06 15 13 00-0175 LF 2" x 2" Redwood Deck Railing Picket	2.46	0.89
06 16 Sheathing <small>(06 10)</small>		
06 16 23 Subflooring <small>(06 16)</small>		
06 16 23 00-0001 Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002 SF 1" x 8" Regular Surface Board Type Subfloor	3.62	1.02
Note: 4 Sides Laid In A Regular Pattern.		
For Water Resistant Coating Or Treatment, Add		0.08
For Foil Backing, Add		0.13
For Tongue And Groove, Add		0.09
06 16 23 00-0003 SF 1" x 8" Diagonal Surface Board Type Subfloor	4.04	1.28
Note: 4 Sides Laid In A Diagonal Pattern.		
For Water Resistant Coating Or Treatment, Add		0.08
For Foil Backing, Add		0.13
For Tongue And Groove, Add		0.09

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 23 00-0004	SF		1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern. <i>For Water Resistant Coating Or Treatment, Add</i> <i>For Foil Backing, Add</i> <i>For Tongue And Groove, Add</i>	3.47 0.08 0.14 0.10	0.89
06 16 23 00-0005	SF		1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern. <i>For Water Resistant Coating Or Treatment, Add</i> <i>For Foil Backing, Add</i> <i>For Tongue And Groove, Add</i>	3.76 0.08 0.14 0.10	1.02
06 16 33 Wood Board Sheathing (06 16)					
06 16 33 00-0001			Plywood (06 16 33)		
06 16 33 00-0002			Roof Decking (06 16 33 00-0001)		
06 16 33 00-0003	SF		3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	2.07 0.30 0.09 0.30 0.27 2.25 0.45 -0.03 -0.05 -0.10 -0.14	0.64
06 16 33 00-0004	SF		1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	2.33 0.33 0.10 0.33 0.33 2.46 0.55 -0.04 -0.06 -0.12 -0.16	0.77
06 16 33 00-0005	SF		5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.64 0.35 0.13 0.35 0.42 2.66 0.69 -0.05 -0.08 -0.14 -0.19 0.06	0.77
06 16 33 00-0006	SF		3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.92 0.38 0.15 0.38 0.48 2.87 0.80 -0.06 -0.09 -0.16 -0.22 0.07	0.89
06 16 33 00-0007	SF		1" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	3.45 0.42 0.21 0.42 0.66 3.12 1.08 -0.08 -0.12 -0.20 -0.27 0.10	1.02
06 16 33 00-0008			Wall Sheathing (06 16 33 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0009 SF 1/4" Interior BC Plywood Wall Sheathing.....	2.47	0.89
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.38	
<i>For Exterior CC Grade Plywood, Add</i>	0.08	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.38	
<i>For Ceiling Installation, Add</i>	0.19	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.87	
<i>For Fire Retardant Treatment, Add</i>	0.44	
<i>For >1,696 To 3,200, Deduct</i>	-0.03	
<i>For >3,200 To 6,400, Deduct</i>	-0.05	
<i>For >6,400 To 12,800, Deduct</i>	-0.11	
<i>For >12,800, Deduct</i>	-0.16	
06 16 33 00-0010 SF 5/16" Interior BC Plywood Wall Sheathing.....	2.50	0.89
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.38	
<i>For Exterior CC Grade Plywood, Add</i>	0.09	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.38	
<i>For Ceiling Installation, Add</i>	0.19	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.87	
<i>For Fire Retardant Treatment, Add</i>	0.47	
<i>For >1,696 To 3,200, Deduct</i>	-0.04	
<i>For >3,200 To 6,400, Deduct</i>	-0.05	
<i>For >6,400 To 12,800, Deduct</i>	-0.11	
<i>For >12,800, Deduct</i>	-0.17	
06 16 33 00-0011 SF 3/8" Interior BC Plywood Wall Sheathing.....	2.56	1.02
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.38	
<i>For Exterior CC Grade Plywood, Add</i>	0.10	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.38	
<i>For Ceiling Installation, Add</i>	0.19	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.87	
<i>For Fire Retardant Treatment, Add</i>	0.51	
<i>For >1,696 To 3,200, Deduct</i>	-0.04	
<i>For >3,200 To 6,400, Deduct</i>	-0.06	
<i>For >6,400 To 12,800, Deduct</i>	-0.12	
<i>For >12,800, Deduct</i>	-0.17	
06 16 33 00-0012 SF 1/2" Interior BC Plywood Wall Sheathing.....	2.85	1.02
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.41	
<i>For Exterior CC Grade Plywood, Add</i>	0.12	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.41	
<i>For Ceiling Installation, Add</i>	0.20	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	3.06	
<i>For Fire Retardant Treatment, Add</i>	0.64	
<i>For >1,696 To 3,200, Deduct</i>	-0.05	
<i>For >3,200 To 6,400, Deduct</i>	-0.07	
<i>For >6,400 To 12,800, Deduct</i>	-0.14	
<i>For >12,800, Deduct</i>	-0.20	
06 16 33 00-0013 SF 5/8" Interior BC Plywood Wall Sheathing.....	3.19	1.15
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.44	
<i>For Exterior CC Grade Plywood, Add</i>	0.15	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.44	
<i>For Ceiling Installation, Add</i>	0.22	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	3.29	
<i>For Fire Retardant Treatment, Add</i>	0.79	
<i>For >1,696 To 3,200, Deduct</i>	-0.06	
<i>For >3,200 To 6,400, Deduct</i>	-0.09	
<i>For >6,400 To 12,800, Deduct</i>	-0.16	
<i>For >12,800, Deduct</i>	-0.23	
06 16 33 00-0014 SF 3/4" Interior BC Plywood Wall Sheathing.....	3.50	1.28
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.47	
<i>For Exterior CC Grade Plywood, Add</i>	0.17	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.47	
<i>For Ceiling Installation, Add</i>	0.24	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	3.54	
<i>For Fire Retardant Treatment, Add</i>	0.90	
<i>For >1,696 To 3,200, Deduct</i>	-0.07	
<i>For >3,200 To 6,400, Deduct</i>	-0.10	
<i>For >6,400 To 12,800, Deduct</i>	-0.18	
<i>For >12,800, Deduct</i>	-0.25	
06 16 33 00-0015 Floor Decking <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0016	SF		5/16" CD Grade Plywood Floor Decking.....	1.88	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.16	
			For Fire Retardant Treatment, Add	0.35	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.12	
			For ACQ Preservative Treatment, Add	0.21	
			For Fir Plywood, Add	0.08	
			For BC Grade Plywood, Add	0.07	
			For Exterior Glue, Add	0.04	
			For Marine Grade, Add	0.34	
06 16 33 00-0017	SF		3/8" CD Grade Plywood Floor Decking.....	1.98	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.27	
			For Fire Retardant Treatment, Add	0.37	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.09	
			For >12,800, Deduct	-0.13	
			For ACQ Preservative Treatment, Add	0.23	
			For Fir Plywood, Add	0.09	
			For BC Grade Plywood, Add	0.07	
			For Exterior Glue, Add	0.04	
			For Marine Grade, Add	0.37	
06 16 33 00-0018	SF		1/2" CD Grade Plywood Floor Decking.....	2.22	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.40	
			For Fire Retardant Treatment, Add	0.49	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.11	
			For >12,800, Deduct	-0.15	
			For ACQ Preservative Treatment, Add	0.30	
			For Fir Plywood, Add	0.11	
			For BC Grade Plywood, Add	0.09	
			For Exterior Glue, Add	0.06	
			For Marine Grade, Add	0.49	
06 16 33 00-0019	SF		5/8" CD Grade Plywood Floor Decking.....	2.50	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.61	
			For Fire Retardant Treatment, Add	0.60	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.18	
			For ACQ Preservative Treatment, Add	0.36	
			For Fir Plywood, Add	0.14	
			For BC Grade Plywood, Add	0.11	
			For Exterior Glue, Add	0.07	
			For Marine Grade, Add	0.60	
06 16 33 00-0020	SF		3/4" CD Grade Plywood Floor Decking.....	2.82	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.78	
			For Fire Retardant Treatment, Add	0.77	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.21	
			For ACQ Preservative Treatment, Add	0.47	
			For Fir Plywood, Add	0.18	
			For BC Grade Plywood, Add	0.14	
			For Exterior Glue, Add	0.09	
			For Marine Grade, Add	0.76	
06 16 33 00-0021	SF		1-1/8" CD Grade Plywood Floor Decking.....	4.04	1.15
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.30	
			For Fire Retardant Treatment, Add	1.45	
			For >1,696 To 3,200, Deduct	-0.11	
			For >3,200 To 6,400, Deduct	-0.17	
			For >6,400 To 12,800, Deduct	-0.26	
			For >12,800, Deduct	-0.33	
			For ACQ Preservative Treatment, Add	0.88	
			For Fir Plywood, Add	0.34	
			For BC Grade Plywood, Add	0.27	
			For Exterior Glue, Add	0.17	
			For Marine Grade, Add	1.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0022 SF 1/2" AC Fir Plywood Floor Decking.....	2.59	0.77
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.40	
For Fire Retardant Treatment, Add	0.78	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.15	
For >12,800, Deduct	-0.20	
For ACQ Preservative Treatment, Add	0.48	
For Exterior Glue, Add	0.09	
For Marine Grade, Add	0.78	
For Tongue And Groove, Add	0.07	
06 16 33 00-0023 SF 5/8" AC Fir Plywood Floor Decking.....	2.92	0.77
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.61	
For Fire Retardant Treatment, Add	0.93	
For >1,696 To 3,200, Deduct	-0.07	
For >3,200 To 6,400, Deduct	-0.11	
For >6,400 To 12,800, Deduct	-0.17	
For >12,800, Deduct	-0.23	
For ACQ Preservative Treatment, Add	0.57	
For Exterior Glue, Add	0.11	
For Marine Grade, Add	0.92	
For Tongue And Groove, Add	0.08	
06 16 33 00-0024 SF 3/4" AC Fir Plywood Floor Decking.....	3.13	0.77
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.78	
For Fire Retardant Treatment, Add	1.01	
For >1,696 To 3,200, Deduct	-0.08	
For >3,200 To 6,400, Deduct	-0.12	
For >6,400 To 12,800, Deduct	-0.19	
For >12,800, Deduct	-0.25	
For ACQ Preservative Treatment, Add	0.61	
For Exterior Glue, Add	0.12	
For Marine Grade, Add	1.00	
For Tongue And Groove, Add	0.09	
06 16 33 00-0025 Underlayment Grade <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026 SF 1/4" Thick Plywood Underlayment BC Grade	1.98	0.77
For Fire Retardant Treatment, Add	0.40	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.08	
For >12,800, Deduct	-0.13	
06 16 33 00-0027 SF 3/8" Thick Plywood Underlayment BC Grade	2.11	0.77
For Fire Retardant Treatment, Add	0.44	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.09	
For >12,800, Deduct	-0.14	
06 16 33 00-0028 SF 1/2" Thick Plywood Underlayment BC Grade	2.19	0.89
For Fire Retardant Treatment, Add	0.48	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.09	
For >12,800, Deduct	-0.15	
06 16 33 00-0029 SF 5/8" Thick Plywood Underlayment BC Grade	2.49	0.89
For Fire Retardant Treatment, Add	0.57	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.17	
For Tongue And Groove, Add	0.05	
06 16 33 00-0030 SF 3/4" Thick Plywood Underlayment BC Grade	2.65	0.89
For Fire Retardant Treatment, Add	0.70	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.08	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.19	
For Tongue And Groove, Add	0.06	
06 16 33 00-0031 SF 1-1/8" Thick Plywood Underlayment BC Grade	3.31	1.02
For Fire Retardant Treatment, Add	1.05	
For >1,696 To 3,200, Deduct	-0.08	
For >3,200 To 6,400, Deduct	-0.12	
For >6,400 To 12,800, Deduct	-0.17	
For >12,800, Deduct	-0.26	
For Tongue And Groove, Add	0.09	
06 16 33 00-0032 SF 3/8" Thick CDX Plywood Underlayment Grade.....	2.24	0.77
For Fire Retardant Treatment, Add	0.55	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.10	
For >12,800, Deduct	-0.16	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0033 SF 5/8" Thick CDX Plywood Underlayment Grade.....	2.78	0.89
For Fire Retardant Treatment, Add	0.82	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.14	
For >12,800, Deduct	-0.21	
06 16 33 00-0034 Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0035 On Roof <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036 SF 3/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	1.94	0.77
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.09	
For >12,800, Deduct	-0.13	
For Fire Retardant Treatment, Add	0.35	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.25	
06 16 33 00-0037 SF 1/2" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.16	0.77
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.10	
For >12,800, Deduct	-0.14	
For Fire Retardant Treatment, Add	0.41	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.46	
06 16 33 00-0038 SF 5/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.52	0.89
For >1,408 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.13	
For >12,800, Deduct	-0.18	
For Fire Retardant Treatment, Add	0.59	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.66	
06 16 33 00-0039 SF 3/4" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.90	0.89
For >1,408 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.16	
For >12,800, Deduct	-0.21	
For Fire Retardant Treatment, Add	0.78	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.87	
06 16 33 00-0040 On Walls <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041 SF 3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.35	0.89
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.10	
For >12,800, Deduct	-0.15	
For Fire Retardant Treatment, Add	0.35	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.87	
06 16 33 00-0042 SF 1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.56	1.02
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.16	
For Fire Retardant Treatment, Add	0.41	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.06	
06 16 33 00-0043 SF 5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.94	1.15
For >1,408 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.14	
For >12,800, Deduct	-0.20	
For Fire Retardant Treatment, Add	0.59	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.29	
06 16 33 00-0044 SF 3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.35	1.15
For >1,408 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.17	
For >12,800, Deduct	-0.24	
For Fire Retardant Treatment, Add	0.78	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.54	
06 16 33 00-0045 On Floors <small>(06 16 33 00-0034)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046 SF 3/8" Thick Structural Oriented Strand Board (OSB) On Floors.....	1.98	0.77
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.09	
For >12,800, Deduct	-0.13	
For Fire Retardant Treatment, Add	0.35	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0047 SF 1/2" Thick Structural Oriented Strand Board (OSB) On Floors <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.37 -0.03 -0.05 -0.10 -0.15 0.41 2.78	0.89
06 16 33 00-0048 SF 5/8" Thick Structural Oriented Strand Board (OSB) On Floors <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.76 -0.05 -0.07 -0.13 -0.19 0.59 3.02	1.02
06 16 33 00-0049 SF 3/4" Thick Structural Oriented Strand Board (OSB) On Floors <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.18 -0.06 -0.09 -0.16 -0.23 0.78 3.29	1.15
06 16 33 00-0050 Particle Board <small>(06 16 33)</small>		
06 16 33 00-0051 Particle Board Floor Decking <small>(06 16 33 00-0050)</small> Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052 SF 3/8" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.15 0.51 -0.04 -0.06 -0.11 -0.15 0.04	0.64
06 16 33 00-0053 SF 1/2" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.46 0.69 -0.05 -0.08 -0.14 -0.18 0.06	0.64
06 16 33 00-0054 SF 5/8" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.77 0.86 -0.07 -0.10 -0.16 -0.21 0.08	0.77
06 16 33 00-0055 SF 3/4" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	3.07 1.01 -0.08 -0.12 -0.19 -0.24 0.09	0.77
06 16 43 Gypsum Sheathing <small>(06 16)</small>		
06 16 43 00-0001 Exterior Gypsum Sheathing <small>(06 16 43)</small> Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002 SF 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.29 0.41 0.20 -0.08 -0.11 -0.19 -0.25 3.06	1.02
06 16 43 00-0003 SF 5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.55 0.44 0.22 -0.08 -0.12 -0.20 -0.27 3.29	1.28

06 17 Shop-Fabricated Structural Wood (06 10)

06 17 13 Laminated Veneer Lumber (06 17)

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 13 00-0001			Laminated Veneer Lumber (LVL) <small>(06 17 13)</small>		
06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	8.63	2.21
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	9.46	2.25
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	10.42	2.28
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	11.61	2.32
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	12.52	2.35
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	13.79	2.43
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	15.59	2.48
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	21.30	2.81
06 17 23			Parallel Strand Lumber <small>(06 17)</small>		
06 17 23 00-0001			Laminated Strand Lumber (LSL) <small>(06 17 23)</small>		
06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL)	2.99	1.02
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL)	4.00	1.09
06 17 33			Wood I-Joists <small>(06 17)</small>		
06 17 33 00-0001			Prefabricated Wood I-Joists <small>(06 17 33)</small>		
06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.31	1.41
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.62	
			<i>For I-Joists >40' In Length, Add</i>	1.52	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.72	1.58
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.69	
			<i>For I-Joists >40' In Length, Add</i>	1.70	
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.70	1.77
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.78	
			<i>For I-Joists >40' In Length, Add</i>	1.91	
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.54	1.97
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.86	
			<i>For I-Joists >40' In Length, Add</i>	2.12	
06 17 43			Rim Boards <small>(06 17)</small>		
06 17 43 00-0001			Oriented Strand Board (OSB) Rim Board <small>(06 17 43)</small>		
06 17 43 00-0002	LF		1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.07	2.28
06 17 43 00-0003	LF		1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	7.70	2.32
06 17 43 00-0004	LF		1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.47	2.35
06 17 53			Shop-Fabricated Wood Trusses <small>(06 17)</small>		
			Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.		
06 17 53 00-0001			Pre-Assembled Wood Roof Trusses <small>(06 17 53)</small>		
			Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA		10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	211.01	82.61
			<i>For Up To 15, Add</i>	3.43	
			<i>For >35, Deduct</i>	-2.29	
			<i>For 3 In 12 Slope, Add</i>	1.37	
			<i>For 5 In 12 Slope, Add</i>	3.66	
			<i>For 6 In 12 Slope, Add</i>	6.87	
			<i>For 7 In 12 Slope, Add</i>	9.16	
			<i>For 8 In 12 Slope, Add</i>	10.99	
06 17 53 00-0003	EA		12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	234.43	90.47
			<i>For Up To 15, Add</i>	4.01	
			<i>For >35, Deduct</i>	-2.67	
			<i>For 3 In 12 Slope, Add</i>	1.60	
			<i>For 5 In 12 Slope, Add</i>	4.28	
			<i>For 6 In 12 Slope, Add</i>	8.02	
			<i>For 7 In 12 Slope, Add</i>	10.69	
			<i>For 8 In 12 Slope, Add</i>	12.83	
06 17 53 00-0004	EA		14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	261.04	98.35
			<i>For Up To 15, Add</i>	4.83	
			<i>For >35, Deduct</i>	-3.22	
			<i>For 3 In 12 Slope, Add</i>	1.93	
			<i>For 5 In 12 Slope, Add</i>	5.15	
			<i>For 6 In 12 Slope, Add</i>	9.65	
			<i>For 7 In 12 Slope, Add</i>	12.87	
			<i>For 8 In 12 Slope, Add</i>	15.44	
06 17 53 00-0005	EA		16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	296.05	106.22
			<i>For Up To 15, Add</i>	6.27	
			<i>For >35, Deduct</i>	-4.18	
			<i>For 3 In 12 Slope, Add</i>	2.51	
			<i>For 5 In 12 Slope, Add</i>	6.69	
			<i>For 6 In 12 Slope, Add</i>	12.54	
			<i>For 7 In 12 Slope, Add</i>	16.72	
			<i>For 8 In 12 Slope, Add</i>	20.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0006 EA 18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	326.22	114.09
For Up To 15, Add	7.35	
For >35, Deduct	-4.90	
For 3 In 12 Slope, Add	2.94	
For 5 In 12 Slope, Add	7.84	
For 6 In 12 Slope, Add	14.71	
For 7 In 12 Slope, Add	19.61	
For 8 In 12 Slope, Add	23.53	
06 17 53 00-0007 EA 20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	343.32	125.89
For Up To 15, Add	6.87	
For >35, Deduct	-4.58	
For 3 In 12 Slope, Add	2.75	
For 5 In 12 Slope, Add	7.32	
For 6 In 12 Slope, Add	13.73	
For 7 In 12 Slope, Add	18.31	
For 8 In 12 Slope, Add	21.97	
06 17 53 00-0008 EA 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	361.74	200.63
For Up To 15, Add	7.07	
For >35, Deduct	-4.71	
For 3 In 12 Slope, Add	2.83	
For 5 In 12 Slope, Add	7.54	
For 6 In 12 Slope, Add	14.14	
For 7 In 12 Slope, Add	18.85	
For 8 In 12 Slope, Add	22.62	
06 17 53 00-0009 EA 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	385.45	141.62
For Up To 15, Add	7.67	
For >35, Deduct	-5.11	
For 3 In 12 Slope, Add	3.07	
For 5 In 12 Slope, Add	8.18	
For 6 In 12 Slope, Add	15.33	
For 7 In 12 Slope, Add	20.44	
For 8 In 12 Slope, Add	24.53	
06 17 53 00-0010 EA 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	410.06	224.23
For Up To 15, Add	8.33	
For >35, Deduct	-5.55	
For 3 In 12 Slope, Add	3.33	
For 5 In 12 Slope, Add	8.89	
For 6 In 12 Slope, Add	16.66	
For 7 In 12 Slope, Add	22.22	
For 8 In 12 Slope, Add	26.66	
06 17 53 00-0011 EA 28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	435.80	157.36
For Up To 15, Add	9.08	
For >35, Deduct	-6.05	
For 3 In 12 Slope, Add	3.63	
For 5 In 12 Slope, Add	9.69	
For 6 In 12 Slope, Add	18.16	
For 7 In 12 Slope, Add	24.22	
For 8 In 12 Slope, Add	29.06	
06 17 53 00-0012 EA 30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	455.38	247.83
For Up To 15, Add	9.37	
For >35, Deduct	-6.25	
For 3 In 12 Slope, Add	3.75	
For 5 In 12 Slope, Add	9.99	
For 6 In 12 Slope, Add	18.74	
For 7 In 12 Slope, Add	24.99	
For 8 In 12 Slope, Add	29.98	
06 17 53 00-0013 EA 32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	475.72	169.16
For Up To 15, Add	10.31	
For >35, Deduct	-6.87	
For 3 In 12 Slope, Add	4.12	
For 5 In 12 Slope, Add	10.99	
For 6 In 12 Slope, Add	20.61	
For 7 In 12 Slope, Add	27.48	
For 8 In 12 Slope, Add	32.98	
06 17 53 00-0014 EA 34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	518.81	265.61
For Up To 15, Add	12.36	
For >35, Deduct	-8.24	
For 3 In 12 Slope, Add	4.94	
For 5 In 12 Slope, Add	13.18	
For 6 In 12 Slope, Add	24.71	
For 7 In 12 Slope, Add	32.95	
For 8 In 12 Slope, Add	39.54	
06 17 53 00-0015 EA 36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	539.65	180.96
For Up To 15, Add	13.33	
For >35, Deduct	-8.89	
For 3 In 12 Slope, Add	5.33	
For 5 In 12 Slope, Add	14.22	
For 6 In 12 Slope, Add	26.66	
For 7 In 12 Slope, Add	35.55	
For 8 In 12 Slope, Add	42.66	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	567.52	283.23
			<i>For Up To 15, Add</i>	14.24	
			<i>For >35, Deduct</i>	-9.49	
			<i>For 3 In 12 Slope, Add</i>	5.70	
			<i>For 5 In 12 Slope, Add</i>	15.19	
			<i>For 6 In 12 Slope, Add</i>	28.48	
			<i>For 7 In 12 Slope, Add</i>	37.97	
			<i>For 8 In 12 Slope, Add</i>	45.57	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	587.32	196.69
			<i>For Up To 15, Add</i>	14.55	
			<i>For >35, Deduct</i>	-9.70	
			<i>For 3 In 12 Slope, Add</i>	5.82	
			<i>For 5 In 12 Slope, Add</i>	15.52	
			<i>For 6 In 12 Slope, Add</i>	29.09	
			<i>For 7 In 12 Slope, Add</i>	38.79	
			<i>For 8 In 12 Slope, Add</i>	46.55	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	644.06	306.84
			<i>For Up To 15, Add</i>	17.62	
			<i>For >35, Deduct</i>	-11.75	
			<i>For 3 In 12 Slope, Add</i>	7.05	
			<i>For 5 In 12 Slope, Add</i>	18.80	
			<i>For 6 In 12 Slope, Add</i>	35.24	
			<i>For 7 In 12 Slope, Add</i>	46.99	
			<i>For 8 In 12 Slope, Add</i>	56.39	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	699.69	212.43
			<i>For Up To 15, Add</i>	20.61	
			<i>For >35, Deduct</i>	-13.74	
			<i>For 3 In 12 Slope, Add</i>	8.25	
			<i>For 5 In 12 Slope, Add</i>	21.99	
			<i>For 6 In 12 Slope, Add</i>	41.23	
			<i>For 7 In 12 Slope, Add</i>	54.97	
			<i>For 8 In 12 Slope, Add</i>	65.96	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	724.28	220.29
			<i>For Up To 15, Add</i>	21.28	
			<i>For >35, Deduct</i>	-14.18	
			<i>For 3 In 12 Slope, Add</i>	8.51	
			<i>For 5 In 12 Slope, Add</i>	22.70	
			<i>For 6 In 12 Slope, Add</i>	42.55	
			<i>For 7 In 12 Slope, Add</i>	56.74	
			<i>For 8 In 12 Slope, Add</i>	68.09	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	759.57	228.16
			<i>For Up To 15, Add</i>	22.74	
			<i>For >35, Deduct</i>	-15.16	
			<i>For 3 In 12 Slope, Add</i>	9.10	
			<i>For 5 In 12 Slope, Add</i>	24.26	
			<i>For 6 In 12 Slope, Add</i>	45.49	
			<i>For 7 In 12 Slope, Add</i>	60.65	
			<i>For 8 In 12 Slope, Add</i>	72.78	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	860.24	236.03
			<i>For Up To 15, Add</i>	29.11	
			<i>For >35, Deduct</i>	-19.41	
			<i>For 3 In 12 Slope, Add</i>	11.65	
			<i>For 5 In 12 Slope, Add</i>	31.05	
			<i>For 6 In 12 Slope, Add</i>	58.23	
			<i>For 7 In 12 Slope, Add</i>	77.64	
			<i>For 8 In 12 Slope, Add</i>	93.16	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	819.25	212.27
			<i>For Up To 15, Add</i>	26.04	
			<i>For >35, Deduct</i>	-17.36	
			<i>For 3 In 12 Slope, Add</i>	10.42	
			<i>For 5 In 12 Slope, Add</i>	27.78	
			<i>For 6 In 12 Slope, Add</i>	52.08	
			<i>For 7 In 12 Slope, Add</i>	69.44	
			<i>For 8 In 12 Slope, Add</i>	83.33	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	859.63	247.83
			<i>For Up To 15, Add</i>	27.30	
			<i>For >35, Deduct</i>	-18.20	
			<i>For 3 In 12 Slope, Add</i>	10.92	
			<i>For 5 In 12 Slope, Add</i>	29.12	
			<i>For 6 In 12 Slope, Add</i>	54.59	
			<i>For 7 In 12 Slope, Add</i>	72.79	
			<i>For 8 In 12 Slope, Add</i>	87.35	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	893.25	229.74
			<i>For Up To 15, Add</i>	28.64	
			<i>For >35, Deduct</i>	-19.09	
			<i>For 3 In 12 Slope, Add</i>	11.46	
			<i>For 5 In 12 Slope, Add</i>	30.55	
			<i>For 6 In 12 Slope, Add</i>	57.28	
			<i>For 7 In 12 Slope, Add</i>	76.37	
			<i>For 8 In 12 Slope, Add</i>	91.64	



Wood, Plastics, and Composites	06	06
Rough Carpentry	06 10	
Shop-Fabricated Structural Wood	06 17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0026 EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	922.32	259.63
For Up To 15, Add	30.23	
For >35, Deduct	-20.15	
For 3 In 12 Slope, Add	12.09	
For 5 In 12 Slope, Add	32.24	
For 6 In 12 Slope, Add	60.46	
For 7 In 12 Slope, Add	80.61	
For 8 In 12 Slope, Add	96.73	
06 17 53 00-0027 EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	941.11	263.56
For Up To 15, Add	31.05	
For >35, Deduct	-20.70	
For 3 In 12 Slope, Add	12.42	
For 5 In 12 Slope, Add	33.12	
For 6 In 12 Slope, Add	62.10	
For 7 In 12 Slope, Add	82.79	
For 8 In 12 Slope, Add	99.35	
06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
<small>Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.</small>		
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	216.83	82.61
For 3 In 12 Slope, Add	1.55	
For 5 In 12 Slope, Add	4.13	
For 6 In 12 Slope, Add	7.74	
For 7 In 12 Slope, Add	10.32	
For 8 In 12 Slope, Add	12.39	
For 16" On Center Gable Studs, Add	10.32	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	241.24	90.47
For 3 In 12 Slope, Add	1.81	
For 5 In 12 Slope, Add	4.82	
For 6 In 12 Slope, Add	9.04	
For 7 In 12 Slope, Add	12.06	
For 8 In 12 Slope, Add	14.47	
For 16" On Center Gable Studs, Add	12.06	
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	269.22	98.35
For 3 In 12 Slope, Add	2.18	
For 5 In 12 Slope, Add	5.80	
For 6 In 12 Slope, Add	10.88	
For 7 In 12 Slope, Add	14.51	
For 8 In 12 Slope, Add	17.41	
For 16" On Center Gable Studs, Add	14.51	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	306.68	106.22
For 3 In 12 Slope, Add	2.83	
For 5 In 12 Slope, Add	7.54	
For 6 In 12 Slope, Add	14.14	
For 7 In 12 Slope, Add	18.85	
For 8 In 12 Slope, Add	22.62	
For 16" On Center Gable Studs, Add	18.85	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	338.69	114.09
For 3 In 12 Slope, Add	3.32	
For 5 In 12 Slope, Add	8.84	
For 6 In 12 Slope, Add	16.58	
For 7 In 12 Slope, Add	22.11	
For 8 In 12 Slope, Add	26.53	
For 16" On Center Gable Studs, Add	22.11	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	368.06	125.89
For 3 In 12 Slope, Add	3.49	
For 5 In 12 Slope, Add	9.30	
For 6 In 12 Slope, Add	17.45	
For 7 In 12 Slope, Add	23.26	
For 8 In 12 Slope, Add	27.91	
For 16" On Center Gable Studs, Add	23.26	
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	387.19	133.75
For 3 In 12 Slope, Add	3.59	
For 5 In 12 Slope, Add	9.58	
For 6 In 12 Slope, Add	17.95	
For 7 In 12 Slope, Add	23.94	
For 8 In 12 Slope, Add	28.73	
For 16" On Center Gable Studs, Add	23.94	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	413.06	141.62
For 3 In 12 Slope, Add	3.89	
For 5 In 12 Slope, Add	10.39	
For 6 In 12 Slope, Add	19.47	
For 7 In 12 Slope, Add	25.97	
For 8 In 12 Slope, Add	31.16	
For 16" On Center Gable Studs, Add	25.97	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	440.05	149.49
For 3 In 12 Slope, Add	4.23	
For 5 In 12 Slope, Add	11.29	
For 6 In 12 Slope, Add	21.16	
For 7 In 12 Slope, Add	28.21	
For 8 In 12 Slope, Add	33.86	
For 16" On Center Gable Studs, Add	28.21	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0038 EA 28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	468.51	157.36
For 3 In 12 Slope, Add	4.61	
For 5 In 12 Slope, Add	12.30	
For 6 In 12 Slope, Add	23.07	
For 7 In 12 Slope, Add	30.76	
For 8 In 12 Slope, Add	36.91	
For 16" On Center Gable Studs, Add	30.76	
06 17 53 00-0039 EA 30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	490.48	165.22
For 3 In 12 Slope, Add	4.80	
For 5 In 12 Slope, Add	12.80	
For 6 In 12 Slope, Add	24.00	
For 7 In 12 Slope, Add	32.01	
For 8 In 12 Slope, Add	38.41	
For 16" On Center Gable Studs, Add	32.01	
06 17 53 00-0040 EA 32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	514.34	169.16
For 3 In 12 Slope, Add	5.28	
For 5 In 12 Slope, Add	14.08	
For 6 In 12 Slope, Add	26.40	
For 7 In 12 Slope, Add	35.21	
For 8 In 12 Slope, Add	42.25	
For 16" On Center Gable Studs, Add	35.21	
06 17 53 00-0041 EA 34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	565.10	177.02
For 3 In 12 Slope, Add	6.33	
For 5 In 12 Slope, Add	16.88	
For 6 In 12 Slope, Add	31.66	
For 7 In 12 Slope, Add	42.21	
For 8 In 12 Slope, Add	50.65	
For 16" On Center Gable Studs, Add	42.21	
06 17 53 00-0042 EA 36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	589.60	180.96
For 3 In 12 Slope, Add	6.83	
For 5 In 12 Slope, Add	18.21	
For 6 In 12 Slope, Add	34.15	
For 7 In 12 Slope, Add	45.54	
For 8 In 12 Slope, Add	54.64	
For 16" On Center Gable Studs, Add	45.54	
06 17 53 00-0043 EA 38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	620.87	188.82
For 3 In 12 Slope, Add	7.30	
For 5 In 12 Slope, Add	19.46	
For 6 In 12 Slope, Add	36.48	
For 7 In 12 Slope, Add	48.64	
For 8 In 12 Slope, Add	58.37	
For 16" On Center Gable Studs, Add	48.64	
06 17 53 00-0044 EA 40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	657.47	196.69
For 3 In 12 Slope, Add	7.92	
For 5 In 12 Slope, Add	21.13	
For 6 In 12 Slope, Add	39.61	
For 7 In 12 Slope, Add	52.82	
For 8 In 12 Slope, Add	63.38	
For 16" On Center Gable Studs, Add	52.82	
06 17 53 00-0045 EA 42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	729.05	204.56
For 3 In 12 Slope, Add	9.60	
For 5 In 12 Slope, Add	25.59	
For 6 In 12 Slope, Add	47.99	
For 7 In 12 Slope, Add	63.99	
For 8 In 12 Slope, Add	76.78	
For 16" On Center Gable Studs, Add	63.99	
06 17 53 00-0046 EA 44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	799.10	212.43
For 3 In 12 Slope, Add	11.23	
For 5 In 12 Slope, Add	29.94	
For 6 In 12 Slope, Add	56.14	
For 7 In 12 Slope, Add	74.85	
For 8 In 12 Slope, Add	89.82	
For 16" On Center Gable Studs, Add	74.85	
06 17 53 00-0047 EA 46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	826.90	220.29
For 3 In 12 Slope, Add	11.59	
For 5 In 12 Slope, Add	30.90	
For 6 In 12 Slope, Add	57.95	
For 7 In 12 Slope, Add	77.26	
For 8 In 12 Slope, Add	92.71	
For 16" On Center Gable Studs, Add	77.26	
06 17 53 00-0048 EA 48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	869.25	228.16
For 3 In 12 Slope, Add	12.39	
For 5 In 12 Slope, Add	33.03	
For 6 In 12 Slope, Add	61.94	
For 7 In 12 Slope, Add	82.59	
For 8 In 12 Slope, Add	99.10	
For 16" On Center Gable Studs, Add	82.59	
06 17 53 00-0049 EA 50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	945.89	236.03
For 3 In 12 Slope, Add	14.21	
For 5 In 12 Slope, Add	37.91	
For 6 In 12 Slope, Add	71.07	
For 7 In 12 Slope, Add	94.77	
For 8 In 12 Slope, Add	113.72	
For 16" On Center Gable Studs, Add	94.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	967.95	243.90
<i>For 3 In 12 Slope, Add</i>	14.40	
<i>For 5 In 12 Slope, Add</i>	38.41	
<i>For 6 In 12 Slope, Add</i>	72.02	
<i>For 7 In 12 Slope, Add</i>	96.03	
<i>For 8 In 12 Slope, Add</i>	115.24	
<i>For 16" On Center Gable Studs, Add</i>	96.03	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	999.03	247.83
<i>For 3 In 12 Slope, Add</i>	15.10	
<i>For 5 In 12 Slope, Add</i>	40.27	
<i>For 6 In 12 Slope, Add</i>	75.50	
<i>For 7 In 12 Slope, Add</i>	100.67	
<i>For 8 In 12 Slope, Add</i>	120.81	
<i>For 16" On Center Gable Studs, Add</i>	100.67	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,039.48	255.70
<i>For 3 In 12 Slope, Add</i>	15.84	
<i>For 5 In 12 Slope, Add</i>	42.25	
<i>For 6 In 12 Slope, Add</i>	79.21	
<i>For 7 In 12 Slope, Add</i>	105.62	
<i>For 8 In 12 Slope, Add</i>	126.74	
<i>For 16" On Center Gable Studs, Add</i>	105.62	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,076.66	259.63
<i>For 3 In 12 Slope, Add</i>	16.72	
<i>For 5 In 12 Slope, Add</i>	44.59	
<i>For 6 In 12 Slope, Add</i>	83.61	
<i>For 7 In 12 Slope, Add</i>	111.48	
<i>For 8 In 12 Slope, Add</i>	133.77	
<i>For 16" On Center Gable Studs, Add</i>	111.48	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,099.64	263.56
<i>For 3 In 12 Slope, Add</i>	17.18	
<i>For 5 In 12 Slope, Add</i>	45.80	
<i>For 6 In 12 Slope, Add</i>	85.88	
<i>For 7 In 12 Slope, Add</i>	114.50	
<i>For 8 In 12 Slope, Add</i>	137.40	
<i>For 16" On Center Gable Studs, Add</i>	114.50	

06 18 Glued-Laminated Construction (06 10)

06 18 13 Glued-Laminated Beams (06 18)

06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002 LF 3-1/2" x 6" Glue Laminated Straight Beam	10.91	3.36
06 18 13 00-0003 LF 3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.61	4.20
06 18 13 00-0004 LF 3-1/2" x 9" Glue Laminated Straight Beam	16.34	5.04
06 18 13 00-0005 LF 3-1/2" x 9-1/2" Glue Laminated Straight Beam	17.25	5.33
06 18 13 00-0006 LF 3-1/2" x 10-1/2" Glue Laminated Straight Beam	19.06	5.88
06 18 13 00-0007 LF 3-1/2" x 12" Glue Laminated Straight Beam	21.79	6.72
06 18 13 00-0008 LF 3-1/2" x 13-1/2" Glue Laminated Straight Beam	24.52	7.56
06 18 13 00-0009 LF 3-1/2" x 14" Glue Laminated Straight Beam	25.42	7.84
06 18 13 00-0010 LF 3-1/2" x 15" Glue Laminated Straight Beam	27.25	8.40
06 18 13 00-0011 LF 3-1/2" x 16" Glue Laminated Straight Beam	29.04	8.97
06 18 13 00-0012 LF 3-1/2" x 16-1/2" Glue Laminated Straight Beam	29.95	9.25
06 18 13 00-0013 LF 3-1/2" x 18" Glue Laminated Straight Beam	32.67	10.09
06 18 13 00-0014 LF 3-1/2" x 19-1/2" Glue Laminated Straight Beam	35.40	10.93
06 18 13 00-0015 LF 3-1/2" x 21" Glue Laminated Straight Beam	38.11	11.77
06 18 13 00-0016 LF 3-1/2" x 22.5" Glue Laminated Straight Beam	40.86	12.61
06 18 13 00-0017 LF 5-1/2" x 6" Glue Laminated Straight Beam	17.12	5.28
06 18 13 00-0018 LF 5-1/2" x 7-1/2" Glue Laminated Straight Beam	21.40	6.61
06 18 13 00-0019 LF 5-1/2" x 9" Glue Laminated Straight Beam	25.69	7.92
06 18 13 00-0020 LF 5-1/2" x 9-1/2" Glue Laminated Straight Beam	27.10	8.37
06 18 13 00-0021 LF 5-1/2" x 10-1/2" Glue Laminated Straight Beam	29.95	9.25
06 18 13 00-0022 LF 5-1/2" x 12" Glue Laminated Straight Beam	34.23	10.56
06 18 13 00-0023 LF 5-1/2" x 13-1/2" Glue Laminated Straight Beam	38.52	11.90
06 18 13 00-0024 LF 5-1/2" x 14" Glue Laminated Straight Beam	39.93	12.32
06 18 13 00-0025 LF 5-1/2" x 15" Glue Laminated Straight Beam	42.80	13.21
06 18 13 00-0026 LF 5-1/2" x 16" Glue Laminated Straight Beam	45.64	14.09
06 18 13 00-0027 LF 5-1/2" x 16-1/2" Glue Laminated Straight Beam	47.08	14.54
06 18 13 00-0028 LF 5-1/2" x 18" Glue Laminated Straight Beam	51.35	15.85
06 18 13 00-0029 LF 5-1/2" x 19-1/2" Glue Laminated Straight Beam	55.64	17.18
06 18 13 00-0030 LF 5-1/2" x 21" Glue Laminated Straight Beam	59.92	18.49
06 18 13 00-0031 LF 5-1/2" x 22.5" Glue Laminated Straight Beam	64.20	19.82
06 18 13 00-0032 LF 5-1/2" x 24" Glue Laminated Straight Beam	68.47	21.13
06 18 13 00-0033 LF 6-3/4" x 9" Glue Laminated Straight Beam	31.52	9.73
06 18 13 00-0034 LF 6-3/4" x 9-1/2" Glue Laminated Straight Beam	33.26	10.26
06 18 13 00-0035 LF 6-3/4" x 10-1/2" Glue Laminated Straight Beam	36.77	11.35
06 18 13 00-0036 LF 6-3/4" x 12" Glue Laminated Straight Beam	42.03	12.96
06 18 13 00-0037 LF 6-3/4" x 13-1/2" Glue Laminated Straight Beam	47.28	14.59
06 18 13 00-0038 LF 6-3/4" x 14" Glue Laminated Straight Beam	49.01	15.13
06 18 13 00-0039 LF 6-3/4" x 15" Glue Laminated Straight Beam	52.52	16.22
06 18 13 00-0040 LF 6-3/4" x 16" Glue Laminated Straight Beam	56.03	17.28
06 18 13 00-0041 LF 6-3/4" x 16-1/2" Glue Laminated Straight Beam	57.77	17.83
06 18 13 00-0042 LF 6-3/4" x 18" Glue Laminated Straight Beam	63.01	19.45

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 18 Glued-Laminated Construction**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0043	LF		6-3/4" x 19-1/2" Glue Laminated Straight Beam	68.28	21.08
06 18 13 00-0044	LF		6-3/4" x 21" Glue Laminated Straight Beam	73.53	22.69
06 18 13 00-0045	LF		6-3/4" x 22.5" Glue Laminated Straight Beam	78.77	24.31
06 18 13 00-0046	LF		6-3/4" x 24" Glue Laminated Straight Beam	84.02	25.95
06 18 13 00-0047	LF		8-3/4" x 9" Glue Laminated Straight Beam	40.86	12.61
06 18 13 00-0048	LF		8-3/4" x 9-1/2" Glue Laminated Straight Beam	43.11	13.30
06 18 13 00-0049	LF		8-3/4" x 10-1/2" Glue Laminated Straight Beam	47.65	14.71
06 18 13 00-0050	LF		8-3/4" x 12" Glue Laminated Straight Beam	54.46	16.81
06 18 13 00-0051	LF		8-3/4" x 13-1/2" Glue Laminated Straight Beam	61.28	18.91
06 18 13 00-0052	LF		8-3/4" x 14" Glue Laminated Straight Beam	63.54	19.61
06 18 13 00-0053	LF		8-3/4" x 15" Glue Laminated Straight Beam	68.07	21.01
06 18 13 00-0054	LF		8-3/4" x 16" Glue Laminated Straight Beam	72.60	22.42
06 18 13 00-0055	LF		8-3/4" x 16-1/2" Glue Laminated Straight Beam	74.89	23.11
06 18 13 00-0056	LF		8-3/4" x 18" Glue Laminated Straight Beam	81.70	25.21
06 18 13 00-0057	LF		8-3/4" x 19-1/2" Glue Laminated Straight Beam	88.51	27.31
06 18 13 00-0058	LF		8-3/4" x 21" Glue Laminated Straight Beam	95.32	29.42
06 18 13 00-0059	LF		8-3/4" x 22.5" Glue Laminated Straight Beam	102.13	31.52
06 18 13 00-0060	LF		8-3/4" x 24" Glue Laminated Straight Beam	108.93	33.63
06 18 13 00-0061			Glue Laminated Decking <small>(06 18 13)</small>		
06 18 13 00-0062	LF		2" - 4" Thick x 4" Wide Glue Laminated Decking	5.65	2.19
06 18 13 00-0063	LF		2" - 4" Thick x 6" Wide Glue Laminated Decking	5.82	2.19
06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking	5.96	2.06
06 18 16			Glued-Laminated Columns <small>(06 18)</small>		
06 18 16 00-0001			Glue Laminated Structural Units <small>(06 18 16)</small>		
			Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF		3-1/4" x 7-1/2" Glue Laminated Purlin Or Column.....	16.59	4.47
06 18 16 00-0003	LF		3-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	18.70	4.97
06 18 16 00-0004	LF		5-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	35.16	10.61
06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column.....	38.63	11.13
06 20			Finish Carpentry <small>(06)</small>		
06 22			Millwork <small>(06 20)</small>		
06 22 13			Standard Pattern Wood Trim <small>(06 22)</small>		
06 22 13 00-0001			Pine Moldings (All Dimensions Are Nominal) <small>(06 22 13)</small>		
06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip	3.55	1.27
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.47	
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip	3.72	1.02
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.47	
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip	4.70	1.02
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.47	
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip	5.27	1.02
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.47	
06 22 13 00-0006			Ceilings (All Dimensions Are Nominal) <small>(06 22 13)</small>		
06 22 13 00-0007			White Pine <small>(06 22 13 00-0006)</small>		
06 22 13 00-0008	LF		9/16" x 3-5/8" White Pine Crown Or Bed Molding	16.56	4.45
			For Birch, Add	3.68	
			For Mahogany, Oak, Maple Or Walnut, Add	5.23	
			For Poplar, Add	2.04	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.46	
			For Stain Grade Material (No Finger Joints), Add	1.33	
06 22 13 00-0009	LF		11/16" x 4-5/8" White Pine Crown Or Bed Molding	22.19	5.33
			For Birch, Add	5.25	
			For Mahogany, Oak, Maple Or Walnut, Add	7.32	
			For Poplar, Add	2.91	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.75	
			For Stain Grade Material (No Finger Joints), Add	1.89	
06 22 13 00-0010	LF		3/4" x 3/4" White Pine Crown Or Bed Molding	8.12	3.05
			For Birch, Add	1.09	
			For Mahogany, Oak, Maple Or Walnut, Add	1.88	
			For Poplar, Add	0.61	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
			For Stain Grade Material (No Finger Joints), Add	0.40	
06 22 13 00-0011	LF		9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.22	3.05
			For Birch, Add	1.49	
			For Mahogany, Oak, Maple Or Walnut, Add	2.37	
			For Poplar, Add	0.83	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
			For Stain Grade Material (No Finger Joints), Add	0.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0012 LF 9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	12.09	3.81
For Birch, Add	2.07	
For Mahogany, Oak, Maple Or Walnut, Add	3.22	
For Poplar, Add	1.15	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.46	
For Stain Grade Material (No Finger Joints), Add	0.75	
06 22 13 00-0013 LF 3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	13.92	3.81
For Birch, Add	2.73	
For Mahogany, Oak, Maple Or Walnut, Add	4.04	
For Poplar, Add	1.51	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.46	
For Stain Grade Material (No Finger Joints), Add	0.98	
06 22 13 00-0014 LF 5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	17.29	4.58
For Birch, Add	3.48	
For Mahogany, Oak, Maple Or Walnut, Add	5.11	
For Poplar, Add	1.93	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.75	
For Stain Grade Material (No Finger Joints), Add	1.26	
06 22 13 00-0015 LF 1" x 2" White Pine Dentil Molding	8.41	3.56
For Birch, Add	1.20	
For Mahogany, Oak, Maple Or Walnut, Add	2.01	
For Poplar, Add	0.67	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
For Stain Grade Material (No Finger Joints), Add	0.43	
06 22 13 00-0016 LF 9/16" x 1-3/4" White Pine Cove Molding	7.08	2.67
For Birch, Add	1.18	
For Mahogany, Oak, Maple Or Walnut, Add	1.85	
For Poplar, Add	0.65	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.88	
For Stain Grade Material (No Finger Joints), Add	0.43	
06 22 13 00-0017 LF 1 1/16" x 2-3/4" White Pine Cove Molding	10.58	2.67
For Birch, Add	2.44	
For Mahogany, Oak, Maple Or Walnut, Add	3.43	
For Poplar, Add	1.35	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.88	
For Stain Grade Material (No Finger Joints), Add	0.88	
06 22 13 00-0018 LF 3/8" x 3/8" White Pine Cove Molding	4.20	1.53
For Birch, Add	0.56	
For Mahogany, Oak, Maple Or Walnut, Add	0.96	
For Poplar, Add	0.31	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.61	
For Stain Grade Material (No Finger Joints), Add	0.20	
06 22 13 00-0019 LF 1/2" x 1/2" White Pine Cove Molding	4.58	1.53
For Birch, Add	0.69	
For Mahogany, Oak, Maple Or Walnut, Add	1.13	
For Poplar, Add	0.39	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.61	
For Stain Grade Material (No Finger Joints), Add	0.25	
06 22 13 00-0020 LF 5/8" x 5/8" White Pine Cove Molding	6.11	1.90
For Birch, Add	1.05	
For Mahogany, Oak, Maple Or Walnut, Add	1.64	
For Poplar, Add	0.59	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.73	
For Stain Grade Material (No Finger Joints), Add	0.38	
06 22 13 00-0021 LF 3/4" x 3/4" White Pine Cove Molding	6.11	1.90
For Birch, Add	1.05	
For Mahogany, Oak, Maple Or Walnut, Add	1.64	
For Poplar, Add	0.59	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.73	
For Stain Grade Material (No Finger Joints), Add	0.38	
06 22 13 00-0022 LF 15/16" x 15/16" White Pine Cove Molding	7.87	1.90
For Birch, Add	1.69	
For Mahogany, Oak, Maple Or Walnut, Add	2.43	
For Poplar, Add	0.94	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.73	
For Stain Grade Material (No Finger Joints), Add	0.61	
06 22 13 00-0023 LF 7-1/2" Wide White Pine Mullion Covers	50.63	2.28
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.04	
06 22 13 00-0024 LF Three Piece White Pine Mullion Trim, 2 Cove Moldings	64.05	2.28
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.04	
06 22 13 00-0025 Cedar Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0026 LF 2" x 4" Cedar Ceiling Trim.....	14.20	6.39
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.12	
06 22 13 00-0027 Oak Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028 LF 1" x 8" Clear Oak Ceiling Trim	14.73	5.89
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.96	
06 22 13 00-0029 Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0030 LF 1-1/8" Diameter Pine Closet Poles	12.38	3.30
06 22 13 00-0031 LF 1-5/8" Diameter Pine Closet Poles	15.00	3.30

06	06 Wood, Plastics, and Composites
	06 20 Finish Carpentry
	06 22 Millwork



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

06 22 13 00-0032 LF 2" Diameter Pine Closet Poles.....	20.39	3.68
--	-------	------

06 25 Prefinished Paneling (06 20)

06 25 16 Prefinished Plywood Paneling (06 25)

06 25 16 00-0001 Hardboard Panels (06 25 16)
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0003 SF 1/4" Tempered Hardboard Panels	6.34	2.30
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	1.57	
For Glue Laminated Installation, Add	0.32	
For 1/8" Thick Paneling, Deduct	-0.55	
For 1/2" Thick Paneling, Add	1.23	
For 5/8" Thick Paneling, Add	1.46	
For 3/4" Thick Paneling, Add	1.76	
For Fire Retardant Treatment (Class I), Add	0.88	

06 25 16 00-0004 SF 1/4" Plastic Faced Tempered Hardboard Panels	7.15	2.81
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	1.84	
For Glue Laminated Installation, Add	0.36	
For 1/8" Thick Paneling, Deduct	-0.60	
For 1/2" Thick Paneling, Add	1.28	
For 5/8" Thick Paneling, Add	1.49	
For 3/4" Thick Paneling, Add	1.77	
For Fire Retardant Treatment (Class I), Add	0.80	

06 25 16 00-0005 SF 1/4" Pegboard Tempered Hardboard Panels	7.09	2.30
For Waterproof Glue, Add	0.13	
For Ceiling Installation, Add	1.57	
For Glue Laminated Installation, Add	0.35	
For 1/8" Thick Paneling, Deduct	-0.68	
For 1/2" Thick Paneling, Add	1.63	
For 5/8" Thick Paneling, Add	2.02	
For 3/4" Thick Paneling, Add	2.52	
For Fire Retardant Treatment (Class I), Add	1.47	

06 25 16 00-0006 SF 1/4" Plastic Faced Pegboard Tempered Hardboard	7.38	2.81
For Waterproof Glue, Add	0.09	
For Ceiling Installation, Add	1.84	
For Glue Laminated Installation, Add	0.37	
For 1/8" Thick Paneling, Deduct	-0.64	
For 1/2" Thick Paneling, Add	1.41	
For 5/8" Thick Paneling, Add	1.67	
For 3/4" Thick Paneling, Add	2.00	
For Fire Retardant Treatment (Class I), Add	0.98	

06 25 16 00-0007 Untempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0008 SF 1/4" Untempered Hardboard Panels	6.10	2.30
For Waterproof Glue, Add	0.06	
For Glue Laminated Installation, Add	0.31	
For Lumber Core, Add	0.10	
For Fire Retardant Treatment (Class I), Add	0.69	

06 40 Architectural Woodwork (06)

06 41 Architectural Wood Casework (06 40)

06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters (06 41 13)
Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002 LF Removal And Reinstallation Of Wood Base Cabinets	97.19	
06 41 13 00-0003 LF Removal And Reinstallation Of Wall Cabinets	84.51	
06 41 13 00-0004 LF Removal And Reinstallation Of Plastic Laminated Countertops	19.94	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0006)

06 41 13 00-0008 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	401.60	25.40
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0009 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	427.08	31.76
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0010 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	446.46	38.11
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0011 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	469.54	44.46
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0012 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	533.49	50.82
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0013 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	557.49	57.17
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0014 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	602.64	63.51
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0015 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	634.60	69.87
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0016 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	654.29	76.22
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	116.77	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0017 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	745.83	101.63
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	233.54	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0018 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	824.31	63.51
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	233.54	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0019 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	914.55	76.22
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	233.54	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0020 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	864.88	63.51
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0021 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	965.02	76.22
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0022 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	407.54	25.40
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0023 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	417.19	31.76
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0024 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	455.36	38.11
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0025 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	484.38	44.46
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0026 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	504.79	50.82
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0027 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	529.78	57.17
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0028 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	862.90	63.51
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0029 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	909.71	69.87
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	350.31	
For All Plywood Box Construction, Add	121.72	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	956.12	76.22
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0031	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	498.58	25.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0032	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	509.22	31.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0033	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	552.34	38.11
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0034	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	587.30	44.46
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0035	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	617.61	50.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0036	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	648.53	57.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0037	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	904.47	63.51
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0038	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	956.22	69.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0039	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,009.55	76.22
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0040			Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0006)		
06 41 13 00-0041	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	361.03	63.51
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0042	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	384.78	69.87
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0043	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	424.02	76.22
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0044	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	451.73	82.57
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0045			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0006)		
06 41 13 00-0046	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	306.52	25.40
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0047	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	314.01	31.76
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0048	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	329.42	38.11
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0049	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	337.89	44.46
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0050	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	347.37	50.82
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0051	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	363.75	63.51
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0052	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	389.06	69.87
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0053	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	424.02	76.22
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0054	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	451.73	82.57
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0055			Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0006)		
06 41 13 00-0056	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	318.40	25.40
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0057	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	334.79	31.76
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0058	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	347.24	38.11
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0059	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	360.65	44.46
			<i>For All Plywood Box Construction, Add</i>	65.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0060 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	379.03 65.31	50.82
06 41 13 00-0061 EA 27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	400.10 65.31	57.19
06 41 13 00-0062 EA 30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	419.17 65.31	63.51
06 41 13 00-0063 EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	434.58 65.31	69.87
06 41 13 00-0064 EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	443.81 65.31	76.22
06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0065)		
06 41 13 00-0066 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	347.70 65.31	25.40
06 41 13 00-0067 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	378.01 65.31	31.76
06 41 13 00-0068 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	403.04 65.31	38.11
06 41 13 00-0069 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	433.15 65.31	44.46
06 41 13 00-0070 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	462.32 65.31	50.82
06 41 13 00-0071 EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	506.12 65.31	57.19
06 41 13 00-0072 EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	518.28 65.31	63.51
06 41 13 00-0073 EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	564.56 65.31	69.87
06 41 13 00-0074 EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	581.14 65.31	76.22
06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0075)		
06 41 13 00-0076 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	390.25 65.31	25.40
06 41 13 00-0077 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	422.54 65.31	31.76
06 41 13 00-0078 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	450.54 65.31	38.11
06 41 13 00-0079 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	482.63 65.31	44.46
06 41 13 00-0080 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	564.24 65.31	50.82
06 41 13 00-0081 EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	567.47 65.31	57.19
06 41 13 00-0082 EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	587.55 65.31	63.51
06 41 13 00-0083 EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	641.74 65.31	69.87
06 41 13 00-0084 EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	658.33 65.31	76.22
06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0085)		
06 41 13 00-0086 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	434.78 65.31	25.40
06 41 13 00-0087 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	474.00 65.31	31.76
06 41 13 00-0088 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	503.98 65.31	38.11
06 41 13 00-0089 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	535.07 65.31	44.46
06 41 13 00-0090 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	582.06 65.31	50.82
06 41 13 00-0091 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	620.91 65.31	57.19
06 41 13 00-0092 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	652.87 65.31	63.51
06 41 13 00-0093 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	713.98 65.31	69.87
06 41 13 00-0094 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	735.51 65.31	76.22
06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0095)		
06 41 13 00-0096 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	413.63 65.31	63.51
06 41 13 00-0097 EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	443.61 65.31	69.87
06 41 13 00-0098 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	476.17 65.31	76.22

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0099 EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	514.27 65.31	82.57
06 41 13 00-0100 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	605.91 65.31	101.63
06 41 13 00-0101 Utility Cabinets, 84" High (06 41 13 00-0006)		
06 41 13 00-0102 EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	793.05 241.46	56.46
06 41 13 00-0103 EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	896.07 241.46	67.75
06 41 13 00-0104 EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,006.03 241.46	530.74
06 41 13 00-0105 EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,057.61 241.46	90.34
06 41 13 00-0106 EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,276.41 241.46	112.92
06 41 13 00-0107 EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,469.50 241.46	135.51
06 41 13 00-0108 EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	893.99 241.46	56.46
06 41 13 00-0109 EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	988.10 241.46	67.75
06 41 13 00-0110 EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,126.76 241.46	79.05
06 41 13 00-0111 EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,197.14 241.46	90.34
06 41 13 00-0112 EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,481.26 241.46	112.92
06 41 13 00-0113 EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,691.16 241.46	135.51
06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)		
06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0114)		
06 41 13 00-0116 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	363.01 116.77 121.72	25.40
06 41 13 00-0117 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	385.52 116.77 121.72	31.76
06 41 13 00-0118 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	402.92 116.77 121.72	38.11
06 41 13 00-0119 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	424.02 116.77 121.72	44.46
06 41 13 00-0120 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	480.05 116.77 121.72	50.82
06 41 13 00-0121 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	502.08 116.77 121.72	57.17
06 41 13 00-0122 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.29 116.77 121.72	63.51
06 41 13 00-0123 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	570.28 116.77 121.72	69.87
06 41 13 00-0124 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	587.99 116.77 121.72	76.22
06 41 13 00-0125 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	669.63 233.54 121.72	101.63
06 41 13 00-0126 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	737.23 233.54 121.72	63.51
06 41 13 00-0127 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	816.59 233.54 121.72	76.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0128 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	772.85 350.31 121.72	63.51
06 41 13 00-0129 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	861.12 350.31 121.72	76.22
06 41 13 00-0130 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	368.95 350.31 121.72	25.40
06 41 13 00-0131 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	377.61 350.31 121.72	31.76
06 41 13 00-0132 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	410.83 350.31 121.72	38.11
06 41 13 00-0133 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	436.88 350.31 121.72	44.46
06 41 13 00-0134 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	455.32 350.31 121.72	50.82
06 41 13 00-0135 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	477.34 350.31 121.72	57.17
06 41 13 00-0136 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	770.87 350.31 121.72	63.51
06 41 13 00-0137 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	811.74 350.31 121.72	69.87
06 41 13 00-0138 EA 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	853.20 350.31 121.72	76.22
06 41 13 00-0139 EA 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	448.11 467.08 121.72	25.40
06 41 13 00-0140 EA 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	458.75 467.08 121.72	31.76
06 41 13 00-0141 EA 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	496.93 467.08 121.72	38.11
06 41 13 00-0142 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	527.92 467.08 121.72	44.46
06 41 13 00-0143 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	554.27 467.08 121.72	50.82
06 41 13 00-0144 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	582.23 467.08 121.72	57.17
06 41 13 00-0145 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	807.49 467.08 121.72	63.51
06 41 13 00-0146 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	853.30 467.08 121.72	69.87
06 41 13 00-0147 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	900.70 467.08 121.72	76.22
06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0114)		
06 41 13 00-0149 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	327.39 65.31	63.51
06 41 13 00-0150 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	348.17 65.31	69.87
06 41 13 00-0151 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	383.45 65.31	76.22
06 41 13 00-0152 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	408.18 65.31	82.57
06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0114)		
06 41 13 00-0154 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	278.81 65.31	25.40
06 41 13 00-0155 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	285.31 65.31	31.76
06 41 13 00-0156 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	298.75 65.31	38.11
06 41 13 00-0157 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	307.21 65.31	44.46

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0158 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	315.70 65.31	50.82
06 41 13 00-0159 EA 30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	330.11 65.31	63.51
06 41 13 00-0160 EA 33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	352.45 65.31	69.87
06 41 13 00-0161 EA 36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	383.45 65.31	76.22
06 41 13 00-0162 EA 39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	408.18 65.31	82.57
06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0164 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	288.71 65.31	25.40
06 41 13 00-0165 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	303.12 65.31	31.76
06 41 13 00-0166 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	314.58 65.31	38.11
06 41 13 00-0167 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	327.01 65.31	44.46
06 41 13 00-0168 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	343.41 65.31	50.82
06 41 13 00-0169 EA 27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	362.49 65.31	57.19
06 41 13 00-0170 EA 30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	378.60 65.31	63.51
06 41 13 00-0171 EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	393.02 65.31	69.87
06 41 13 00-0172 EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	401.26 65.31	76.22
06 41 13 00-0173 Wall Cabinets, 30" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0174 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	317.02 65.31	25.40
06 41 13 00-0175 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	344.36 65.31	31.76
06 41 13 00-0176 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	366.43 65.31	38.11
06 41 13 00-0177 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	392.58 65.31	44.46
06 41 13 00-0178 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	418.77 65.31	50.82
06 41 13 00-0179 EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	457.63 65.31	57.19
06 41 13 00-0180 EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	468.80 65.31	63.51
06 41 13 00-0181 EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	509.14 65.31	69.87
06 41 13 00-0182 EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	524.73 65.31	76.22
06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0184 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	354.63 65.31	25.40
06 41 13 00-0185 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	382.96 65.31	31.76
06 41 13 00-0186 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	407.99 65.31	38.11
06 41 13 00-0187 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	436.12 65.31	44.46
06 41 13 00-0188 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	508.83 65.31	50.82
06 41 13 00-0189 EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	511.07 65.31	57.19
06 41 13 00-0190 EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	529.17 65.31	63.51
06 41 13 00-0191 EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	577.42 65.31	69.87
06 41 13 00-0192 EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	592.02 65.31	76.22
06 41 13 00-0193 Wall Cabinets, 42" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0194 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	393.22 65.31	25.40
06 41 13 00-0195 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	428.48 65.31	31.76
06 41 13 00-0196 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	455.49 65.31	38.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0197 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	482.63 65.31	44.46
06 41 13 00-0198 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	524.66 65.31	50.82
06 41 13 00-0199 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	558.57 65.31	57.19
06 41 13 00-0200 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	586.56 65.31	63.51
06 41 13 00-0201 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	640.75 65.31	69.87
06 41 13 00-0202 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	660.31 65.31	76.22
06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0204 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	375.04 65.31	63.51
06 41 13 00-0205 EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	402.05 65.31	69.87
06 41 13 00-0206 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	430.65 65.31	76.22
06 41 13 00-0207 EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	464.79 65.31	82.57
06 41 13 00-0208 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	545.54 65.31	101.63
06 41 13 00-0209 Utility Cabinets, 84" High <small>(06 41 13 00-0114)</small>		
06 41 13 00-0210 EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	721.80 241.46	56.46
06 41 13 00-0211 EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	814.93 241.46	67.75
06 41 13 00-0212 EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	914.00 241.46	530.74
06 41 13 00-0213 EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	961.62 241.46	90.34
06 41 13 00-0214 EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,155.68 241.46	112.92
06 41 13 00-0215 EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,327.99 241.46	135.51
06 41 13 00-0216 EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	810.86 241.46	56.46
06 41 13 00-0217 EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	896.07 241.46	67.75
06 41 13 00-0218 EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,019.89 241.46	79.05
06 41 13 00-0219 EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,084.33 241.46	90.34
06 41 13 00-0220 EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,335.79 241.46	112.92
06 41 13 00-0221 EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,522.94 241.46	135.51
06 41 13 00-0222 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets <small>(06 41 13 00-0005)</small>		
06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep <small>(06 41 13 00-0222)</small>		
06 41 13 00-0224 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	363.01 116.77 121.72	25.40
06 41 13 00-0225 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	385.52 116.77 121.72	31.76
06 41 13 00-0226 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	402.92 116.77 121.72	38.11
06 41 13 00-0227 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	424.02 116.77 121.72	44.46
06 41 13 00-0228 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	480.05 116.77 121.72	50.82
06 41 13 00-0229 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	502.08 116.77 121.72	57.17

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0230	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.29 116.77 121.72	63.51
06 41 13 00-0231	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	570.28 116.77 121.72	69.87
06 41 13 00-0232	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	587.99 116.77 121.72	76.22
06 41 13 00-0233	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	669.63 233.54 121.72	101.63
06 41 13 00-0234	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	737.23 233.54 121.72	63.51
06 41 13 00-0235	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	816.59 233.54 121.72	76.22
06 41 13 00-0236	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	772.85 350.31 121.72	63.51
06 41 13 00-0237	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	861.12 350.31 121.72	76.22
06 41 13 00-0238	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	368.95 350.31 121.72	25.40
06 41 13 00-0239	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	377.61 350.31 121.72	31.76
06 41 13 00-0240	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	410.83 350.31 121.72	38.11
06 41 13 00-0241	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	436.88 350.31 121.72	44.46
06 41 13 00-0242	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	455.32 350.31 121.72	50.82
06 41 13 00-0243	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	477.34 350.31 121.72	57.17
06 41 13 00-0244	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	770.87 350.31 121.72	63.51
06 41 13 00-0245	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	811.74 350.31 121.72	69.87
06 41 13 00-0246	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	853.20 350.31 121.72	76.22
06 41 13 00-0247	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	448.11 467.08 121.72	25.40
06 41 13 00-0248	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	458.75 467.08 121.72	31.76
06 41 13 00-0249	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	496.93 467.08 121.72	38.11
06 41 13 00-0250	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	527.92 467.08 121.72	44.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0251 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	554.27	50.82
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	467.08	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0252 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	582.23	57.17
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	467.08	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0253 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	807.49	63.51
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	467.08	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0254 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	853.30	69.87
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	467.08	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0255 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	900.70	76.22
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	467.08	
For All Plywood Box Construction, Add	121.72	
06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0257 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	327.39	63.51
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0258 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	348.17	69.87
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0259 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	383.45	76.22
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0260 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	408.18	82.57
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0262 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	278.81	25.40
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0263 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	285.31	31.76
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0264 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	298.75	38.11
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0265 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	307.21	44.46
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0266 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	315.70	50.82
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0267 EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	330.11	63.51
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0268 EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	352.45	69.87
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0269 EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	383.45	76.22
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0270 EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	408.18	82.57
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0272 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	288.71	25.40
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0273 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	303.12	31.76
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0274 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	314.58	38.11
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0275 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	327.01	44.46
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0276 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	343.41	50.82
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0277 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	362.49	57.19
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0278 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	378.60	63.51
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0279 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	393.02	69.87
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0280 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	401.26	76.22
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0282 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	317.02	25.40
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0283 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	344.36	31.76
For All Plywood Box Construction, Add	65.31	
06 41 13 00-0284 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	366.43	38.11
For All Plywood Box Construction, Add	65.31	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0285 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	392.58 65.31	44.46
06 41 13 00-0286 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	418.77 65.31	50.82
06 41 13 00-0287 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	457.63 65.31	57.19
06 41 13 00-0288 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	468.80 65.31	63.51
06 41 13 00-0289 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	509.14 65.31	69.87
06 41 13 00-0290 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	524.73 65.31	76.22
06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0292 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	354.63 65.31	25.40
06 41 13 00-0293 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	382.96 65.31	31.76
06 41 13 00-0294 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	407.99 65.31	38.11
06 41 13 00-0295 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	436.12 65.31	44.46
06 41 13 00-0296 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	508.83 65.31	50.82
06 41 13 00-0297 EA 27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	511.07 65.31	57.19
06 41 13 00-0298 EA 30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	529.17 65.31	63.51
06 41 13 00-0299 EA 33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	577.42 65.31	69.87
06 41 13 00-0300 EA 36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	592.02 65.31	76.22
06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0302 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	393.22 65.31	25.40
06 41 13 00-0303 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	428.48 65.31	31.76
06 41 13 00-0304 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	455.49 65.31	38.11
06 41 13 00-0305 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	482.63 65.31	44.46
06 41 13 00-0306 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	524.66 65.31	50.82
06 41 13 00-0307 EA 27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	558.57 65.31	57.19
06 41 13 00-0308 EA 30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	586.56 65.31	63.51
06 41 13 00-0309 EA 33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	640.75 65.31	69.87
06 41 13 00-0310 EA 36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	660.31 65.31	76.22
06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0222)		
06 41 13 00-0312 EA 30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	375.04 65.31	63.51
06 41 13 00-0313 EA 33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	402.05 65.31	69.87
06 41 13 00-0314 EA 36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	430.65 65.31	76.22
06 41 13 00-0315 EA 39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	464.79 65.31	82.57
06 41 13 00-0316 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	545.54 65.31	101.63
06 41 13 00-0317 Utility Cabinets, 84" High (06 41 13 00-0222)		
06 41 13 00-0318 EA 15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	721.80 241.46	56.46
06 41 13 00-0319 EA 18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	814.93 241.46	67.75
06 41 13 00-0320 EA 21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	914.00 241.46	530.74
06 41 13 00-0321 EA 24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	961.62 241.46	90.34
06 41 13 00-0322 EA 30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,155.68 241.46	112.92
06 41 13 00-0323 EA 36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,327.99 241.46	135.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0324 EA 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	810.86 241.46	56.46
06 41 13 00-0325 EA 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	896.07 241.46	67.75
06 41 13 00-0326 EA 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,019.89 241.46	79.05
06 41 13 00-0327 EA 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,084.33 241.46	90.34
06 41 13 00-0328 EA 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,335.79 241.46	112.92
06 41 13 00-0329 EA 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,522.94 241.46	135.51
06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets <small>(06 41 13 00-0005)</small>		
06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep <small>(06 41 13 00-0330)</small>		
06 41 13 00-0332 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	363.01 116.77 121.72	25.40
06 41 13 00-0333 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	385.52 116.77 121.72	31.76
06 41 13 00-0334 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	402.92 116.77 121.72	38.11
06 41 13 00-0335 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	424.02 116.77 121.72	44.46
06 41 13 00-0336 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	480.05 116.77 121.72	50.82
06 41 13 00-0337 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	502.08 116.77 121.72	57.17
06 41 13 00-0338 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.29 116.77 121.72	63.51
06 41 13 00-0339 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	570.28 116.77 121.72	69.87
06 41 13 00-0340 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	587.99 116.77 121.72	76.22
06 41 13 00-0341 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	669.63 233.54 121.72	101.63
06 41 13 00-0342 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	737.23 233.54 121.72	63.51
06 41 13 00-0343 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	816.59 233.54 121.72	76.22
06 41 13 00-0344 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	772.85 350.31 121.72	63.51
06 41 13 00-0345 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	861.12 350.31 121.72	76.22
06 41 13 00-0346 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	368.95 350.31 121.72	25.40
06 41 13 00-0347 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	377.61 350.31 121.72	31.76

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0348	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	410.83	38.11
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0349	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	436.88	44.46
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0350	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	455.32	50.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0351	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	477.34	57.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0352	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	770.87	63.51
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0353	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	811.74	69.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0354	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	853.20	76.22
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	350.31	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0355	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	448.11	25.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0356	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	458.75	31.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0357	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	496.93	38.11
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0358	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	527.92	44.46
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0359	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	554.27	50.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0360	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	582.23	57.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0361	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	807.49	63.51
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0362	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	853.30	69.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0363	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	900.70	76.22
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	467.08	
			<i>For All Plywood Box Construction, Add</i>	121.72	
06 41 13 00-0364			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0365	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	327.39	63.51
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0366	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	348.17	69.87
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0367	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	383.45	76.22
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0368	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	408.18	82.57
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0369			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0370	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	278.81	25.40
			<i>For All Plywood Box Construction, Add</i>	65.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0371 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	285.31	31.76
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0372 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	298.75	38.11
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0373 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	307.21	44.46
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0374 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	315.70	50.82
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0375 EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	330.11	63.51
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0376 EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	352.45	69.87
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0377 EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	383.45	76.22
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0378 EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	408.18	82.57
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep <small>(06 41 13 00-0330)</small>		
06 41 13 00-0380 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	288.71	25.40
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0381 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	303.12	31.76
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0382 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	314.58	38.11
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0383 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	327.01	44.46
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0384 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	343.41	50.82
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0385 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	362.49	57.19
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0386 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	378.60	63.51
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0387 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	393.02	69.87
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0388 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	401.26	76.22
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0389 Wall Cabinets, 30" High, 12" Deep <small>(06 41 13 00-0330)</small>		
06 41 13 00-0390 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	317.02	25.40
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0391 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	344.36	31.76
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0392 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	366.43	38.11
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0393 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	392.58	44.46
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0394 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	418.77	50.82
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0395 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	457.63	57.19
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0396 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	468.80	63.51
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0397 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	509.14	69.87
<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0398 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	524.73	76.22
<i>For All Plywood Box Construction, Add</i>	65.31	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0399			Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0400	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	354.63	25.40
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0401	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	382.96	31.76
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0402	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	407.99	38.11
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0403	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	436.12	44.46
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0404	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	508.83	50.82
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0405	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	511.07	57.19
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0406	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	529.17	63.51
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0407	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	577.42	69.87
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0408	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	592.02	76.22
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0409			Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0410	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	393.22	25.40
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0411	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	428.48	31.76
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0412	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	455.49	38.11
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0413	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	482.63	44.46
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0414	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	524.66	50.82
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0415	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	558.57	57.19
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0416	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	586.56	63.51
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0417	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	640.75	69.87
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0418	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	660.31	76.22
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0419			Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0330)		
06 41 13 00-0420	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	375.04	63.51
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0421	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	402.05	69.87
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0422	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	430.65	76.22
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0423	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	464.79	82.57
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0424	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	545.54	101.63
			<i>For All Plywood Box Construction, Add</i>	65.31	
06 41 13 00-0425			Utility Cabinets, 84" High (06 41 13 00-0330)		
06 41 13 00-0426	EA		15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	721.80	56.46
			<i>For All Plywood Box Construction, Add</i>	241.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0427 EA 18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	814.93	67.75
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0428 EA 21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	914.00	530.74
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0429 EA 24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	961.62	90.34
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0430 EA 30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,155.68	112.92
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0431 EA 36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,327.99	135.51
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0432 EA 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	810.86	56.46
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0433 EA 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	896.07	67.75
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0434 EA 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,019.89	79.05
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0435 EA 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,084.33	90.34
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0436 EA 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,335.79	112.92
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	
06 41 13 00-0437 EA 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,522.94	135.51
<i>For All Plywood Box Construction, Add</i>	<i>241.46</i>	

06 41 93 Cabinet and Drawer Hardware (06 41)

06 41 93 00-0001 Cabinet Hardware (06 41 93)

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002 EA 4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	30.06	10.80
06 41 93 00-0003 EA 7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	30.92	10.80
06 41 93 00-0004 EA 10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	32.44	10.80
06 41 93 00-0005 EA 3" To 4-1/2", Flat Cabinet Pull Handle	34.12	10.80
06 41 93 00-0006 EA 5" To 6-1/2", Flat Cabinet Pull Handle	34.99	10.80
06 41 93 00-0007 EA 7" To 8-1/2", Flat Cabinet Pull Handle	44.30	10.80
06 41 93 00-0008 EA 12" To 12-1/2", Flat Cabinet Pull Handle	82.85	10.80
06 41 93 00-0009 EA 1-7/16" Diameter, Mushroom Cabinet Pull Knobs	23.34	8.26
06 41 93 00-0010 EA 3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	23.19	8.26
06 41 93 00-0011 EA 1-1/4" Long, Finger Cabinet Pull	31.52	9.53
06 41 93 00-0012 EA 3" Long, Finger Cabinet Pull	35.58	9.53
06 41 93 00-0013 EA 4" Long, Finger Cabinet Pull	38.35	9.53
06 41 93 00-0014 EA 6" Long, Finger Cabinet Pull	42.14	9.53
06 41 93 00-0015 EA 12" Long, Finger Cabinet Pull	59.73	9.53
06 41 93 00-0016 EA Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	45.12	12.71
06 41 93 00-0017 EA Cabinet Surface Mounted Square or Matchbook Latch	66.03	12.71
06 41 93 00-0018 EA Cabinet Door or Drawer Mortised Lock With 2 Keys.....	175.38	19.06
06 41 93 00-0019 EA Cabinet Door or Drawer Bored Lock with 2 Keys.....	59.88	10.80
06 41 93 00-0020 EA Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	40.62	10.80

06 42 Wood Paneling (06 40)

Note: Includes glue for installation.

06 42 13 Wood Board Paneling (06 42)

06 42 13 00-0001 Solid Wood Paneling (06 42 13)		
06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)		
06 42 13 00-0003 SF Homestead Cedar Paneling Tongue And Groove, 7/16"	10.18	2.67
06 42 13 00-0004 SF Homestead Juniper Paneling Tongue And Groove, 7/16"	10.65	2.67
06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)		
06 42 13 00-0006 SF 8" Random Plank Tongue And Groove, 7/16"	13.35	2.54
06 42 13 00-0007 SF 8" Solid Plank Tongue And Groove, 7/16"	12.43	2.54
06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)		
06 42 13 00-0009 SF Alder Wood Tongue And Groove Paneling, 1/2"	11.58	2.67
06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)		
06 42 13 00-0011 SF 1" Teredo (Driftwood) Wood Shiplap	7.73	2.28

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 42 16 Flush Wood Paneling (06 42)**06 42 16 00-0001 Veneer Hardboard Panels** (06 42 16)

06 42 16 00-0002	SF	1/4" Maple Veneer Paneling	6.97	2.30
		<i>For Waterproof Glue, Add</i>	0.12	
		<i>For Ceiling Installation, Add</i>	1.57	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick (06 42 16)**06 42 16 00-0004 Birch** (06 42 16 00-0003)

06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	5.81	2.05
		<i>For Waterproof Glue, Add</i>	0.08	
		<i>For Ceiling Installation, Add</i>	1.38	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.51	
		<i>For Glue Laminated Installation, Add</i>	0.29	
		<i>For Lumber Core, Add</i>	0.13	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.52	
		<i>For 1/2" Thick Paneling, Add</i>	1.20	
		<i>For 5/8" Thick Paneling, Add</i>	1.45	
		<i>For 3/4" Thick Paneling, Add</i>	1.78	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.95	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	5.90	2.05
		<i>For Waterproof Glue, Add</i>	0.09	
		<i>For Ceiling Installation, Add</i>	1.38	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.51	
		<i>For Glue Laminated Installation, Add</i>	0.30	
		<i>For Lumber Core, Add</i>	0.14	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.54	
		<i>For 1/2" Thick Paneling, Add</i>	1.25	
		<i>For 5/8" Thick Paneling, Add</i>	1.52	
		<i>For 3/4" Thick Paneling, Add</i>	1.87	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.02	

06 42 16 00-0007 Knotty Pine (06 42 16 00-0003)

06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	6.69	2.30
		<i>For Waterproof Glue, Add</i>	0.11	
		<i>For Ceiling Installation, Add</i>	1.53	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.56	
		<i>For Glue Laminated Installation, Add</i>	0.33	
		<i>For Lumber Core, Add</i>	0.17	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.62	
		<i>For 1/2" Thick Paneling, Add</i>	1.47	
		<i>For 5/8" Thick Paneling, Add</i>	1.80	
		<i>For 3/4" Thick Paneling, Add</i>	2.22	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.25	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	6.62	2.30
		<i>For Waterproof Glue, Add</i>	0.11	
		<i>For Ceiling Installation, Add</i>	1.53	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.56	
		<i>For Glue Laminated Installation, Add</i>	0.33	
		<i>For Lumber Core, Add</i>	0.17	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.61	
		<i>For 1/2" Thick Paneling, Add</i>	1.43	
		<i>For 5/8" Thick Paneling, Add</i>	1.75	
		<i>For 3/4" Thick Paneling, Add</i>	2.15	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.19	

06 42 16 00-0010 Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)

06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	6.76	2.56
		<i>For Waterproof Glue, Add</i>	0.07	
		<i>For Ceiling Installation, Add</i>	1.73	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.63	
		<i>For Glue Laminated Installation, Add</i>	0.34	
		<i>For Lumber Core, Add</i>	0.11	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.57	
		<i>For 1/2" Thick Paneling, Add</i>	1.24	
		<i>For 5/8" Thick Paneling, Add</i>	1.45	
		<i>For 3/4" Thick Paneling, Add</i>	1.72	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.80	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	6.89	2.56
		<i>For Waterproof Glue, Add</i>	0.08	
		<i>For Ceiling Installation, Add</i>	1.73	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.63	
		<i>For Glue Laminated Installation, Add</i>	0.34	
		<i>For Lumber Core, Add</i>	0.13	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.59	
		<i>For 1/2" Thick Paneling, Add</i>	1.31	
		<i>For 5/8" Thick Paneling, Add</i>	1.55	
		<i>For 3/4" Thick Paneling, Add</i>	1.85	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick <small>(06 42 16)</small>		
06 42 16 00-0014 SF 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim.....	6.45	2.30
For Flitch Matched Veneer, Add	0.67	
For Second Grade Veneer, Deduct	-0.13	
For Third Grade Veneer, Deduct	-0.20	
For Waterproof Glue, Add	0.09	
For Ceiling Installation, Add	1.53	
For Installation On Metal Studs Or Furring, Add	0.56	
For Glue Laminated Installation, Add	0.32	
For Lumber Core, Add	0.15	
For 1/8" Thick Paneling, Deduct	-0.58	
For 1/2" Thick Paneling, Add	1.34	
For 5/8" Thick Paneling, Add	1.62	
For 3/4" Thick Paneling, Add	1.98	
For Fire Retardant Treatment (Class I), Add	1.06	
06 42 16 00-0015 SF 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	7.05	2.30
For Flitch Matched Veneer, Add	0.97	
For Second Grade Veneer, Deduct	-0.19	
For Third Grade Veneer, Deduct	-0.29	
For Waterproof Glue, Add	0.14	
For Ceiling Installation, Add	1.53	
For Installation On Metal Studs Or Furring, Add	0.56	
For Glue Laminated Installation, Add	0.35	
For Lumber Core, Add	0.21	
For 1/8" Thick Paneling, Deduct	-0.68	
For 1/2" Thick Paneling, Add	1.66	
For 5/8" Thick Paneling, Add	2.07	
For 3/4" Thick Paneling, Add	2.59	
For Fire Retardant Treatment (Class I), Add	1.53	
06 42 16 00-0016 SF 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim.....	10.28	2.30
For Flitch Matched Veneer, Add	2.08	
For Second Grade Veneer, Deduct	-0.42	
For Third Grade Veneer, Deduct	-0.62	
For Waterproof Glue, Add	0.29	
For Ceiling Installation, Add	1.84	
For Installation On Metal Studs Or Furring, Add	0.67	
For Glue Laminated Installation, Add	0.51	
For Lumber Core, Add	0.46	
For 1/8" Thick Paneling, Deduct	-1.12	
For 1/2" Thick Paneling, Add	2.98	
For 5/8" Thick Paneling, Add	3.85	
For 3/4" Thick Paneling, Add	4.98	
For Fire Retardant Treatment (Class I), Add	3.29	
06 42 16 00-0017 SF 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.49	2.30
For Flitch Matched Veneer, Add	0.45	
For Second Grade Veneer, Deduct	-0.09	
For Third Grade Veneer, Deduct	-0.13	
For Waterproof Glue, Add	0.06	
For Ceiling Installation, Add	1.38	
For Installation On Metal Studs Or Furring, Add	0.51	
For Glue Laminated Installation, Add	0.27	
For Lumber Core, Add	0.10	
For 1/8" Thick Paneling, Deduct	-0.47	
For 1/2" Thick Paneling, Add	1.03	
For 5/8" Thick Paneling, Add	1.22	
For 3/4" Thick Paneling, Add	1.46	
For Fire Retardant Treatment (Class I), Add	0.70	
06 42 16 00-0018 SF 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	9.10	2.30
For Flitch Matched Veneer, Add	1.68	
For Second Grade Veneer, Deduct	-0.34	
For Third Grade Veneer, Deduct	-0.50	
For Waterproof Glue, Add	0.23	
For Ceiling Installation, Add	1.73	
For Installation On Metal Studs Or Furring, Add	0.63	
For Glue Laminated Installation, Add	0.46	
For Lumber Core, Add	0.37	
For 1/8" Thick Paneling, Deduct	-0.96	
For 1/2" Thick Paneling, Add	2.50	
For 5/8" Thick Paneling, Add	3.20	
For 3/4" Thick Paneling, Add	4.11	
For Fire Retardant Treatment (Class I), Add	2.65	
06 42 16 00-0019 SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim.....	6.59	2.30
For Flitch Matched Veneer, Add	0.74	
For Second Grade Veneer, Deduct	-0.15	
For Third Grade Veneer, Deduct	-0.22	
For Waterproof Glue, Add	0.10	
For Ceiling Installation, Add	1.53	
For Installation On Metal Studs Or Furring, Add	0.56	
For Glue Laminated Installation, Add	0.33	
For Lumber Core, Add	0.16	
For 1/8" Thick Paneling, Deduct	-0.60	
For 1/2" Thick Paneling, Add	1.41	
For 5/8" Thick Paneling, Add	1.72	
For 3/4" Thick Paneling, Add	2.12	
For Fire Retardant Treatment (Class I), Add	1.17	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF		1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	7.71	2.30
			<i>For Flitch Matched Veneer, Add</i>	0.98	
			<i>For Second Grade Veneer, Deduct</i>	-0.20	
			<i>For Third Grade Veneer, Deduct</i>	-0.29	
			<i>For Waterproof Glue, Add</i>	0.14	
			<i>For Ceiling Installation, Add</i>	1.73	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.63	
			<i>For Glue Laminated Installation, Add</i>	0.39	
			<i>For Lumber Core, Add</i>	0.22	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.73	
			<i>For 1/2" Thick Paneling, Add</i>	1.75	
			<i>For 5/8" Thick Paneling, Add</i>	2.16	
			<i>For 3/4" Thick Paneling, Add</i>	2.69	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.55	
06 42 16 00-0021	SF		1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	11.94	2.30
			<i>For Flitch Matched Veneer, Add</i>	2.38	
			<i>For Second Grade Veneer, Deduct</i>	-0.48	
			<i>For Third Grade Veneer, Deduct</i>	-0.71	
			<i>For Waterproof Glue, Add</i>	0.33	
			<i>For Ceiling Installation, Add</i>	2.16	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.79	
			<i>For Glue Laminated Installation, Add</i>	0.60	
			<i>For Lumber Core, Add</i>	0.52	
			<i>For 1/8" Thick Paneling, Deduct</i>	-1.30	
			<i>For 1/2" Thick Paneling, Add</i>	3.43	
			<i>For 5/8" Thick Paneling, Add</i>	4.43	
			<i>For 3/4" Thick Paneling, Add</i>	5.71	
			<i>For Fire Retardant Treatment (Class I), Add</i>	3.75	
06 42 16 00-0022	SF		1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.09	2.30
			<i>For Flitch Matched Veneer, Add</i>	1.67	
			<i>For Second Grade Veneer, Deduct</i>	-0.33	
			<i>For Third Grade Veneer, Deduct</i>	-0.50	
			<i>For Waterproof Glue, Add</i>	0.23	
			<i>For Ceiling Installation, Add</i>	1.73	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.63	
			<i>For Glue Laminated Installation, Add</i>	0.45	
			<i>For Lumber Core, Add</i>	0.37	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.96	
			<i>For 1/2" Thick Paneling, Add</i>	2.49	
			<i>For 5/8" Thick Paneling, Add</i>	3.20	
			<i>For 3/4" Thick Paneling, Add</i>	4.10	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.64	
06 42 16 00-0023	SF		1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	7.96	2.30
			<i>For Flitch Matched Veneer, Add</i>	1.43	
			<i>For Second Grade Veneer, Deduct</i>	-0.29	
			<i>For Third Grade Veneer, Deduct</i>	-0.43	
			<i>For Waterproof Glue, Add</i>	0.20	
			<i>For Ceiling Installation, Add</i>	1.53	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.56	
			<i>For Glue Laminated Installation, Add</i>	0.40	
			<i>For Lumber Core, Add</i>	0.31	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.83	
			<i>For 1/2" Thick Paneling, Add</i>	2.15	
			<i>For 5/8" Thick Paneling, Add</i>	2.75	
			<i>For 3/4" Thick Paneling, Add</i>	3.52	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.25	
06 42 16 00-0024	SF		1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim.....	6.62	2.30
			<i>For Flitch Matched Veneer, Add</i>	0.76	
			<i>For Second Grade Veneer, Deduct</i>	-0.15	
			<i>For Third Grade Veneer, Deduct</i>	-0.23	
			<i>For Waterproof Glue, Add</i>	0.11	
			<i>For Ceiling Installation, Add</i>	1.53	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.56	
			<i>For Glue Laminated Installation, Add</i>	0.33	
			<i>For Lumber Core, Add</i>	0.17	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.61	
			<i>For 1/2" Thick Paneling, Add</i>	1.43	
			<i>For 5/8" Thick Paneling, Add</i>	1.75	
			<i>For 3/4" Thick Paneling, Add</i>	2.15	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.19	
06 42 16 00-0025			Accessories <small>(06 42 16)</small>		
06 42 16 00-0026	EA		Aluminum Panel Retainer "J" With Bolt.....	41.54	
06 42 19			Plastic-Laminate-Faced Wood Paneling <small>(06 42)</small>		
06 42 19 00-0001			Plastic Laminate <small>(06 42 19)</small>		
			Note: Standard colors and patterns.		
06 42 19 00-0002	SF		1/16" Plastic Laminate Faced Panel	11.69	4.45
			Note: Includes cutting to fit.		

06 43 Wood Stairs and Railings (06 40)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	---------------------	------------------------	----------------------

06 43 13 Wood Stairs (06 43)

06 43 13 00-0001 Stair Parts (06 43 13)

06 43 13 00-0002	EA 30" Baluster, Pine	63.12	
06 43 13 00-0003	EA 30" Baluster, Birch	74.39	25.78
06 43 13 00-0004	EA 42" Baluster, Pine	71.15	26.67
06 43 13 00-0005	EA 42" Baluster, Birch	83.17	26.67
06 43 13 00-0006	EA 3-1/4" Wide Newels, Starting	370.13	101.34
06 43 13 00-0007	EA 3-1/4" Wide Newels, Landing.....	541.23	142.23
06 43 13 00-0008	LF Oak Gooseneck, 1 Riser.....	224.18	88.90
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.18	
06 43 13 00-0009	LF Oak Gooseneck, 2 Riser.....	262.14	97.66
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.08	
06 43 13 00-0010	LF Oak Handrail, 2-1/2" x 3" With Quarter Turn.....	45.24	13.34
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.38	
06 43 13 00-0011	LF 1-1/16" x 9-1/2" Oak Stair Tread.....	58.47	7.49
	<i>For Beech, Add</i>	13.07	
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.43	
06 43 13 00-0012	LF 1-1/16" x 11-1/2" Oak Stair Tread.....	70.87	7.49
	<i>For Beech, Add</i>	16.79	
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.43	
06 43 13 00-0013	LF 1-1/16" x 11-1/2" Pine Stair Tread	32.47	7.49
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.43	
06 43 13 00-0014	LF 3/4" x 7-1/2" High Beech Riser	44.10	7.74
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.58	
06 43 13 00-0015	LF 3/4" x 7-1/2" High Oak Riser	41.47	7.74
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.58	
06 43 13 00-0016	LF 3/4" x 7-1/2" High Fir Riser	24.57	7.74
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.58	
06 43 13 00-0017	LF 3/4" x 7-1/2" High Pine Riser	23.74	7.74
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.58	
06 43 13 00-0018	SF Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing.....	50.87	

06 43 13 00-0019 Interior Box Stairs (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA 30" Wide Pine Box Stair, Per Riser.....	323.87	77.34
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.41	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	77.14	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	25.81	
	<i>For Oak Or Maple Treads, Add</i>	96.03	
06 43 13 00-0021	EA 32" Wide Pine Box Stair, Per Riser.....	343.20	79.11
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.99	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	77.89	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.12	
	<i>For Oak Or Maple Treads, Add</i>	103.60	
06 43 13 00-0022	EA 34" Wide Pine Box Stair, Per Riser.....	361.31	80.01
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.28	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	78.28	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.29	
	<i>For Oak Or Maple Treads, Add</i>	111.16	
06 43 13 00-0023	EA 36" Wide Pine Box Stair, Per Riser.....	382.26	80.89
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.57	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	78.66	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.44	
	<i>For Oak Or Maple Treads, Add</i>	120.03	
06 43 13 00-0024	EA 38" Wide Pine Box Stair, Per Riser.....	394.68	81.79
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.87	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	79.04	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.60	
	<i>For Oak Or Maple Treads, Add</i>	125.04	
06 43 13 00-0025	EA 40" Wide Pine Box Stair, Per Riser.....	408.36	83.56
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.45	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	79.81	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.92	
	<i>For Oak Or Maple Treads, Add</i>	130.05	
06 43 13 00-0026	EA 42" Wide Pine Box Stair, Per Riser.....	420.77	84.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.74	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.19	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.08	
	<i>For Oak Or Maple Treads, Add</i>	135.07	
06 43 13 00-0027	EA 44" Wide Pine Box Stair, Per Riser.....	433.20	85.34
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.04	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.57	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.24	
	<i>For Oak Or Maple Treads, Add</i>	140.08	
06 43 13 00-0028	EA 46" Wide Pine Box Stair, Per Riser.....	445.58	86.22
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.32	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.95	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.39	
	<i>For Oak Or Maple Treads, Add</i>	145.09	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs and Railings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029 EA 48" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	460.44 29.21 82.10 27.87 150.05	88.90
06 43 16 Wood Railings (06 43)		
06 43 16 00-0001 Handrails (06 43 16)		
06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001) Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003 LF 1-1/2" x 1-11/16", Wood Handrail With Brackets <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.24 2.92	6.35
06 43 16 00-0004 LF 1-7/8" x 2-5/8", Wood Handrail With Brackets <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.76 2.92	6.35
06 43 16 00-0005 LF 1-1/2" Diameter, Wood Handrail With Brackets	26.83	6.35
06 43 16 00-0006 LF 1-3/4" Diameter, Wood Handrail With Brackets	28.10	6.35
06 43 16 00-0007 LF 2" Diameter, Wood Handrail With Brackets	32.66	6.35
06 43 16 00-0008 LF 2-1/2" Diameter, Wood Handrail With Brackets	46.74	6.35
06 44 Ornamental Woodwork (06 44)		
06 44 39 Wood Posts and Columns (06 44)		
06 44 39 00-0001 Columns (06 44 39)		
06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0003 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	79.00	7.14
06 44 39 00-0004 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	98.62	10.44
06 44 39 00-0005 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	121.16	12.09
06 44 39 00-0006 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	145.37	12.64
06 44 39 00-0007 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	327.02	14.29
06 44 39 00-0008 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	380.14	15.38
06 44 39 00-0009 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	457.96	16.48
06 44 39 00-0010 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	547.16	17.58
06 44 39 00-0011 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	91.15	7.14
06 44 39 00-0012 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	108.37	10.44
06 44 39 00-0013 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	134.62	12.09
06 44 39 00-0014 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	159.75	12.64
06 44 39 00-0015 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	356.25	14.29
06 44 39 00-0016 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	484.99	15.38
06 44 39 00-0017 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	522.92	16.48
06 44 39 00-0018 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	588.92	17.58
06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0020 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	95.33	7.14
06 44 39 00-0021 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	117.18	10.44
06 44 39 00-0022 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	145.29	12.09
06 44 39 00-0023 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	175.53	12.64
06 44 39 00-0024 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	402.69	14.29
06 44 39 00-0025 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	468.76	15.38
06 44 39 00-0026 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	565.74	16.48
06 44 39 00-0027 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	676.98	17.58
06 44 39 00-0028 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	110.55	7.14
06 44 39 00-0029 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	130.50	10.44
06 44 39 00-0030 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	162.73	12.09
06 44 39 00-0031 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	194.00	12.64
06 44 39 00-0032 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	439.30	14.29
06 44 39 00-0033 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	600.20	15.38
06 44 39 00-0034 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	647.17	16.48
06 44 39 00-0035 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	729.36	17.58
06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0037 LF 6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	84.78	7.14
06 44 39 00-0038 LF 8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	105.57	10.44
06 44 39 00-0039 LF 10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	129.90	12.09
06 44 39 00-0040 LF 12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	156.19	12.64
06 44 39 00-0041 LF 6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	98.02	7.14
06 44 39 00-0042 LF 8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	116.19	10.44
06 44 39 00-0043 LF 10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	144.57	12.09
06 44 39 00-0044 LF 12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	171.87	12.64
06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed redwood.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046 LF 6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	133.38	7.14
06 44 39 00-0047 LF 8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	159.87	10.44
06 44 39 00-0048 LF 10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	199.57	12.09
06 44 39 00-0049 LF 12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	244.66	12.64
06 44 39 00-0050 LF 6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	153.79	7.14
06 44 39 00-0051 LF 8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	181.67	10.44
06 44 39 00-0052 LF 10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	225.09	12.09
06 44 39 00-0053 LF 12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	278.07	12.64

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)
 Note: For tapered wood columns.

06 44 39 00-0055 EA 6" Resin Corinthian Capital And Base	419.40	14.83
06 44 39 00-0056 EA 8" Resin Corinthian Capital And Base	636.13	16.48
06 44 39 00-0057 EA 10" Resin Corinthian Capital And Base	887.52	19.23
06 44 39 00-0058 EA 12" Resin Corinthian Capital And Base	1,134.28	21.97
06 44 39 00-0059 EA 6" Resin Greek Erectheum Cap And Base	373.01	14.83
06 44 39 00-0060 EA 8" Resin Greek Erectheum Cap And Base	520.14	16.48
06 44 39 00-0061 EA 10" Resin Greek Erectheum Cap And Base	646.26	19.23
06 44 39 00-0062 EA 12" Resin Greek Erectheum Cap And Base	846.61	21.97
06 44 39 00-0063 EA 6" Resin Roman Ionic Capital And Base	392.67	15.38
06 44 39 00-0064 EA 8" Resin Roman Ionic Capital And Base	520.14	16.48
06 44 39 00-0065 EA 10" Resin Roman Ionic Capital And Base	646.26	19.23
06 44 39 00-0066 EA 12" Resin Roman Ionic Capital And Base	823.42	21.97
06 44 39 00-0067 EA 6" Resin Scamozzi Capital And Base	397.30	15.38
06 44 39 00-0068 EA 8" Resin Scamozzi Capital And Base	566.53	16.48
06 44 39 00-0069 EA 10" Resin Scamozzi Capital And Base	669.46	19.23
06 44 39 00-0070 EA 12" Resin Scamozzi Capital And Base	920.85	21.97
06 44 39 00-0071 EA 6" Resin Temple Of Winds Cap And Base.....	397.30	15.38
06 44 39 00-0072 EA 8" Resin Temple Of Winds Cap And Base.....	617.57	16.48
06 44 39 00-0073 EA 10" Resin Temple Of Winds Cap And Base.....	817.93	19.23
06 44 39 00-0074 EA 12" Resin Temple Of Winds Cap And Base.....	1,013.64	21.97

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)
 Note: For tapered wood columns.

06 44 39 00-0076 EA 6" Plaster Corinthian Capital And Base	850.89	14.83
06 44 39 00-0077 EA 8" Plaster Corinthian Capital And Base	956.27	16.48
06 44 39 00-0078 EA 10" Plaster Corinthian Capital And Base	1,216.94	19.23
06 44 39 00-0079 EA 12" Plaster Corinthian Capital And Base	1,338.42	21.97
06 44 39 00-0080 EA 6" Plaster Greek Erectheum Cap And Base	563.23	14.83
06 44 39 00-0081 EA 8" Plaster Greek Erectheum Cap And Base	654.69	16.48
06 44 39 00-0082 EA 10" Plaster Greek Erectheum Cap And Base	808.65	19.23
06 44 39 00-0083 EA 12" Plaster Greek Erectheum Cap And Base	1,018.28	21.97
06 44 39 00-0084 EA 6" Plaster Roman Ionic Capital And Base.....	541.13	15.38
06 44 39 00-0085 EA 8" Plaster Roman Ionic Capital And Base.....	710.36	16.48
06 44 39 00-0086 EA 10" Plaster Roman Ionic Capital And Base.....	859.68	19.23
06 44 39 00-0087 EA 12" Plaster Roman Ionic Capital And Base.....	1,018.28	21.97
06 44 39 00-0088 EA 6" Plaster Scamozzi Capital And Base	643.21	15.38
06 44 39 00-0089 EA 8" Plaster Scamozzi Capital And Base	854.19	16.48
06 44 39 00-0090 EA 10" Plaster Scamozzi Capital And Base	961.76	19.23
06 44 39 00-0091 EA 12" Plaster Scamozzi Capital And Base	1,222.43	21.97
06 44 39 00-0092 EA 6" Plaster Temple Of Winds Cap And Base.....	541.13	15.38
06 44 39 00-0093 EA 8" Plaster Temple Of Winds Cap And Base.....	701.08	16.48
06 44 39 00-0094 EA 10" Plaster Temple Of Winds Cap And Base.....	915.36	19.23
06 44 39 00-0095 EA 12" Plaster Temple Of Winds Cap And Base.....	1,171.39	21.97
06 44 39 00-0096 EA 6" Plaster Empire Capital And Base	610.73	15.38
06 44 39 00-0097 EA 8" Plaster Empire Capital And Base	747.48	16.48
06 44 39 00-0098 EA 10" Plaster Empire Capital And Base	910.72	19.23
06 44 39 00-0099 EA 12" Plaster Empire Capital And Base	1,018.28	21.97

06 46 Wood Trim (06 40)

06 46 13 Wood Door and Window Casings (06 46)

06 46 13 00-0001 Door and Window Casings (06 46 13)

06 46 13 00-0002 LF 1-1/8" Wide Plain Pine Door And Window Molding.....	5.94	2.03
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 13 00-0003 LF 1-1/8" Wide Detailed Pine Door And Window Molding.....	6.00	2.03
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 13 00-0004 LF 2-1/2" Wide Pine Complete Door And Window Trim	7.51	2.03
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	

06 46 19 Wood Base and Shoe Moldings (06 46)

06 46 19 00-0001 Base And Shoe Molding (06 46 19)

06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim	6.15	2.41
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim	6.58	2.41
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	7.84	1.53
			<i>For Clear Birch, Add</i>	0.88	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.75	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.50	
			<i>For Clear Poplar, Add</i>	0.55	
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	9.53	1.90
			<i>For Clear Birch, Add</i>	1.02	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.07	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.57	
			<i>For Clear Poplar, Add</i>	0.64	
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	11.90	2.16
			<i>For Clear Birch, Add</i>	1.57	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.91	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.89	
			<i>For Clear Poplar, Add</i>	0.98	
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe	7.70	2.41
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe, Stain Grade.....	7.45	2.41
06 46 19 00-0009	LF		3/4" x 1" White Pine Base Shoe, Paint Grade.....	6.90	2.41
06 46 23 Wood Chair Rails (06 46)					
06 46 23 00-0001 Chair Rails (06 46 23)					
06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail.....	9.61	2.28
			<i>For Birch, Add</i>	1.45	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.55	
			<i>For Poplar, Add</i>	0.91	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail.....	11.90	2.28
			<i>For Birch, Add</i>	2.18	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.58	
			<i>For Poplar, Add</i>	1.36	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	7.12	2.28
			<i>For Birch, Add</i>	1.06	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.87	
			<i>For Poplar, Add</i>	0.66	
06 46 26 Wood Cornices (06 46)					
06 46 26 00-0001 Wood Cornices (06 46 26)					
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	7.14	2.28
			<i>For Birch, Add</i>	0.74	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.44	
			<i>For Poplar, Add</i>	0.93	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	9.02	2.41
			<i>For Birch, Add</i>	1.34	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.21	
			<i>For Poplar, Add</i>	1.68	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	12.63	2.54
			<i>For Birch, Add</i>	2.56	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.75	
			<i>For Poplar, Add</i>	3.20	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	14.60	2.54
			<i>For Birch, Add</i>	3.18	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.55	
			<i>For Poplar, Add</i>	3.97	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	16.88	2.67
			<i>For Birch, Add</i>	3.90	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	5.48	
			<i>For Poplar, Add</i>	4.88	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	21.77	2.92
			<i>For Birch, Add</i>	5.55	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	7.57	
			<i>For Poplar, Add</i>	6.94	
06 46 29 Wood Fasciae and Soffits (06 46)					
06 46 29 00-0001 Fascia Board (06 46 29)					
06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)					
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board	5.98	2.54
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board	6.84	2.82
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board	7.40	2.96
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board	8.72	3.32
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board	5.92	2.54
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board	6.75	2.82
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board	7.54	2.96
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board	9.14	3.32
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia	7.62	2.54
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia	8.99	2.82
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia	10.17	2.96
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia	13.06	3.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0015 Cedar Fascia Board <small>(06 46 29 00-0001)</small>		
06 46 29 00-0016 LF 1" x 6" Cedar Fascia Board.....	6.41	2.54
06 46 29 00-0017 LF 1" x 8" Cedar Fascia Board.....	7.52	2.82
06 46 29 00-0018 LF 1" x 10" Cedar Fascia Board.....	8.70	2.96
06 46 29 00-0019 LF 1" x 12" Cedar Fascia Board.....	10.54	3.32
06 46 29 00-0020 Engineered Wood Fascia Board <small>(06 46 29 00-0001)</small>		
06 46 29 00-0021 LF 1" x 6" Engineered Wood Fascia Board.....	5.73	2.54
06 46 29 00-0022 LF 1" x 8" Engineered Wood Fascia Board.....	6.51	2.82
06 46 29 00-0023 LF 1" x 12" Engineered Wood Fascia Board.....	7.94	3.32
06 46 29 00-0024 Soffit <small>(06 46 29)</small>		
06 46 29 00-0025 Sanded Plywood Soffit <small>(06 46 29 00-0024)</small>		
06 46 29 00-0026 SF 3/8" Thick, Sanded Plywood Soffit.....	4.83	1.92
06 46 29 00-0027 SF 1/2" Thick, Sanded Plywood Soffit.....	5.25	2.02
06 46 29 00-0028 SF 5/8" Thick, Sanded Plywood Soffit.....	5.51	2.11
06 46 29 00-0029 SF 3/4" Thick, Sanded Plywood Soffit.....	6.03	2.22
06 46 29 00-0030 MDO Plywood Soffit <small>(06 46 29 00-0024)</small>		
06 46 29 00-0031 SF 3/8" Thick, MDO Plywood Soffit.....	5.28	1.92
06 46 29 00-0032 SF 1/2" Thick, MDO Plywood Soffit.....	5.83	2.02
06 46 29 00-0033 SF 3/4" Thick, MDO Plywood Soffit.....	7.15	2.22
06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit <small>(06 46 29 00-0024)</small>		
06 46 29 00-0035 SF 1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	3.99	1.67
06 46 29 00-0036 SF 5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	4.30	1.77
06 46 36 Custom Wood Molding <small>(06 46)</small>		
<small>Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.</small>		
06 46 36 00-0001 Ash <small>(06 46 36)</small>		
06 46 36 00-0002 LF 3/4" x 1-1/2" Custom Shaped Ash.....	9.11	1.40
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 36 00-0003 LF 3/4" x 2-1/2" Custom Shaped Ash.....	11.57	1.40
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0004 LF 3/4" x 3-1/2" Custom Shaped Ash.....	14.04	1.40
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0005 LF 3/4" x 4-1/2" Custom Shaped Ash.....	16.50	1.53
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0006 LF 3/4" x 5-1/2" Custom Shaped Ash.....	19.11	1.53
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0007 LF 3/4" x 6-1/2" Custom Shaped Ash.....	21.71	1.65
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0008 LF 3/4" x 7-1/2" Custom Shaped Ash.....	24.16	1.65
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29	
06 46 36 00-0009 LF 3/4" x 8-1/2" Custom Shaped Ash.....	26.65	1.65
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0010 LF 3/4" x 9-1/2" Custom Shaped Ash.....	29.04	1.78
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0011 LF 3/4" x 10-1/2" Custom Shaped Ash.....	31.68	1.78
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0012 LF 3/4" x 11-1/2" Custom Shaped Ash.....	34.20	1.90
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.46	
06 46 36 00-0013 LF 1" x 1-1/2" Custom Shaped Ash.....	10.84	1.40
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0014 LF 1" x 2-1/2" Custom Shaped Ash.....	14.07	1.40
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0015 LF 1" x 3-1/2" Custom Shaped Ash.....	17.32	1.53
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0016 LF 1" x 4-1/2" Custom Shaped Ash.....	20.55	1.53
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0017 LF 1" x 5-1/2" Custom Shaped Ash.....	23.98	1.65
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	
06 46 36 00-0018 LF 1" x 6-1/2" Custom Shaped Ash.....	27.36	1.65
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29	
06 46 36 00-0019 LF 1" x 7-1/2" Custom Shaped Ash.....	30.58	1.65
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32	
06 46 36 00-0020 LF 1" x 8-1/2" Custom Shaped Ash.....	33.84	1.78
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 46 36 00-0021 LF 1" x 9-1/2" Custom Shaped Ash.....	37.07	1.78
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.37	
06 46 36 00-0022 LF 1" x 10-1/2" Custom Shaped Ash.....	40.48	1.90
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0023 LF 1" x 11-1/2" Custom Shaped Ash.....	43.77	1.90
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0024 LF 1-1/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.02 1.09	1.40
06 46 36 00-0025 LF 1-1/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.30 1.12	1.40
06 46 36 00-0026 LF 1-1/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.58 1.15	1.53
06 46 36 00-0027 LF 1-1/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.86 1.18	1.53
06 46 36 00-0028 LF 1-1/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.30 1.25	1.65
06 46 36 00-0029 LF 1-1/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.72 1.32	1.65
06 46 36 00-0030 LF 1-1/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.99 1.35	1.78
06 46 36 00-0031 LF 1-1/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.30 1.38	1.78
06 46 36 00-0032 LF 1-1/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.53 1.40	1.78
06 46 36 00-0033 LF 1-1/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.98 1.47	1.90
06 46 36 00-0034 LF 1-1/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.32 1.52	2.03
06 46 36 00-0035 LF 1-1/2" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.12 1.12	1.40
06 46 36 00-0036 LF 1-1/2" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.90 1.15	1.53
06 46 36 00-0037 LF 1-1/2" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.68 1.18	1.53
06 46 36 00-0038 LF 1-1/2" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.45 1.21	1.65
06 46 36 00-0039 LF 1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.24 1.25	1.65
06 46 36 00-0040 LF 1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.29 1.35	1.78
06 46 36 00-0041 LF 1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.16 1.38	1.78
06 46 36 00-0042 LF 1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.87 1.42	1.78
06 46 36 00-0043 LF 1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	62.57 1.43	1.90
06 46 36 00-0044 LF 1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	69.07 1.50	1.90
06 46 36 00-0045 LF 1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	74.35 1.55	2.03
06 46 36 00-0046 Basswood <small>(06 46 36)</small>		
06 46 36 00-0047 LF 3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.56 1.03	1.40
06 46 36 00-0048 LF 3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.25 1.06	1.40
06 46 36 00-0049 LF 3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.95 1.09	1.40
06 46 36 00-0050 LF 3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.63 1.13	1.53
06 46 36 00-0051 LF 3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.47 1.19	1.53
06 46 36 00-0052 LF 3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.30 1.26	1.65
06 46 36 00-0053 LF 3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.97 1.29	1.65
06 46 36 00-0054 LF 3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.69 1.33	1.78
06 46 36 00-0055 LF 3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.31 1.34	1.78
06 46 36 00-0056 LF 3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.17 1.42	1.90
06 46 36 00-0057 LF 3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.92 1.46	1.90
06 46 36 00-0058 LF 1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.63 1.06	1.40
06 46 36 00-0059 LF 1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.76 1.09	1.40
06 46 36 00-0060 LF 1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.90 1.12	1.53
06 46 36 00-0061 LF 1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.03 1.16	1.53
06 46 36 00-0062 LF 1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.35 1.22	1.65
06 46 36 00-0063 LF 1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.63 1.29	1.65
06 46 36 00-0064 LF 1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.74 1.32	1.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0065 LF 1" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.90 1.35	1.78
06 46 36 00-0066 LF 1" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.02 1.37	1.78
06 46 36 00-0067 LF 1" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.33 1.45	1.90
06 46 36 00-0068 LF 1" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.52 1.49	1.90
06 46 36 00-0069 LF 1-1/2" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.80 1.09	1.40
06 46 36 00-0070 LF 1-1/2" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.47 1.12	1.40
06 46 36 00-0071 LF 1-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.15 1.15	1.53
06 46 36 00-0072 LF 1-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.83 1.18	1.53
06 46 36 00-0073 LF 1-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.65 1.25	1.65
06 46 36 00-0074 LF 1-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.46 1.32	1.78
06 46 36 00-0075 LF 1-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.13 1.35	1.78
06 46 36 00-0076 LF 1-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.84 1.38	1.78
06 46 36 00-0077 LF 1-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.45 1.40	1.78
06 46 36 00-0078 LF 1-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.29 1.47	1.90
06 46 36 00-0079 LF 1-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.03 1.52	2.03
06 46 36 00-0080 LF 3-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.12 1.26	1.65
06 46 36 00-0081 LF 3-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.53 1.31	1.65
06 46 36 00-0082 LF 3-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	66.82 1.34	1.78
06 46 36 00-0083 LF 3-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	77.37 1.43	1.90
06 46 36 00-0084 LF 3-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	87.65 1.46	1.90
06 46 36 00-0085 LF 3-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	98.18 1.52	2.03
06 46 36 00-0086 LF 3-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	108.36 1.55	2.03
06 46 36 00-0087 LF 3-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	118.65 1.58	2.03
06 46 36 00-0088 LF 3-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	129.20 1.67	2.16
06 46 36 00-0089 Birch <small>(06 46 36)</small>		
06 46 36 00-0090 LF 3/4" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.12 1.03	1.40
06 46 36 00-0091 LF 3/4" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.08 1.06	1.40
06 46 36 00-0092 LF 3/4" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.05 1.09	1.40
06 46 36 00-0093 LF 3/4" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.01 1.13	1.53
06 46 36 00-0094 LF 3/4" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.13 1.19	1.53
06 46 36 00-0095 LF 3/4" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.23 1.26	1.65
06 46 36 00-0096 LF 3/4" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.18 1.29	1.65
06 46 36 00-0097 LF 3/4" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.17 1.33	1.65
06 46 36 00-0098 LF 3/4" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.07 1.34	1.78
06 46 36 00-0099 LF 3/4" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.21 1.42	1.78
06 46 36 00-0100 LF 3/4" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.23 1.46	1.90
06 46 36 00-0101 LF 1" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.46 1.06	1.40
06 46 36 00-0102 LF 1" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.98 1.09	1.40
06 46 36 00-0103 LF 1" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.56 1.12	1.53
06 46 36 00-0104 LF 1" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.13 1.16	1.53
06 46 36 00-0105 LF 1" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.84 1.22	1.65

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0106	LF		1" x 6-1/2" Custom Shaped Birch.....	22.50	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29	
06 46 36 00-0107	LF		1" x 7-1/2" Custom Shaped Birch.....	25.05	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32	
06 46 36 00-0108	LF		1" x 8-1/2" Custom Shaped Birch.....	27.65	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 46 36 00-0109	LF		1" x 9-1/2" Custom Shaped Birch.....	30.16	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.37	
06 46 36 00-0110	LF		1" x 10-1/2" Custom Shaped Birch.....	32.86	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0111	LF		1" x 11-1/2" Custom Shaped Birch.....	35.49	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	
06 46 36 00-0112	LF		1-1/4" x 1-1/2" Custom Shaped Birch.....	11.03	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0113	LF		1-1/4" x 2-1/2" Custom Shaped Birch.....	14.32	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0114	LF		1-1/4" x 3-1/2" Custom Shaped Birch.....	17.60	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0115	LF		1-1/4" x 4-1/2" Custom Shaped Birch.....	20.89	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0116	LF		1-1/4" x 5-1/2" Custom Shaped Birch.....	24.33	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25	
06 46 36 00-0117	LF		1-1/4" x 6-1/2" Custom Shaped Birch.....	27.76	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32	
06 46 36 00-0118	LF		1-1/4" x 7-1/2" Custom Shaped Birch.....	31.04	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 46 36 00-0119	LF		1-1/4" x 8-1/2" Custom Shaped Birch.....	34.36	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0120	LF		1-1/4" x 9-1/2" Custom Shaped Birch.....	37.58	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0121	LF		1-1/4" x 10-1/2" Custom Shaped Birch.....	41.04	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.47	
06 46 36 00-0122	LF		1-1/4" x 11-1/2" Custom Shaped Birch.....	44.39	2.03
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.52	
06 46 36 00-0123	LF		1-1/2" x 1-1/2" Custom Shaped Birch.....	13.47	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0124	LF		1-1/2" x 2-1/2" Custom Shaped Birch.....	17.92	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0125	LF		1-1/2" x 3-1/2" Custom Shaped Birch.....	22.37	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0126	LF		1-1/2" x 4-1/2" Custom Shaped Birch.....	26.82	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0127	LF		1-1/2" x 5-1/2" Custom Shaped Birch.....	31.29	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25	
06 46 36 00-0128	LF		1-1/2" x 6-1/2" Custom Shaped Birch.....	36.01	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 46 36 00-0129	LF		1-1/2" x 7-1/2" Custom Shaped Birch.....	40.45	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0130	LF		1-1/2" x 8-1/2" Custom Shaped Birch.....	44.93	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0131	LF		1-1/2" x 9-1/2" Custom Shaped Birch.....	49.31	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0132	LF		1-1/2" x 10-1/2" Custom Shaped Birch.....	54.48	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50	
06 46 36 00-0133	LF		1-1/2" x 11-1/2" Custom Shaped Birch.....	58.44	2.03
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.55	
06 46 36 00-0134			Clear Western Cedar <small>(06 46 36)</small>		
06 46 36 00-0135	LF		3/4" x 1-1/2" Custom Shaped Clear West Cedar.....	8.12	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 36 00-0136	LF		3/4" x 2-1/2" Custom Shaped Clear West Cedar.....	10.08	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0137	LF		3/4" x 3-1/2" Custom Shaped Clear West Cedar.....	12.05	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0138	LF		3/4" x 4-1/2" Custom Shaped Clear West Cedar.....	14.01	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0139	LF		3/4" x 5-1/2" Custom Shaped Clear West Cedar.....	16.13	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0140	LF		3/4" x 6-1/2" Custom Shaped Clear West Cedar.....	18.23	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0141	LF		1" x 1-1/2" Custom Shaped Clear West Cedar.....	9.57	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0142	LF		1" x 2-1/2" Custom Shaped Clear West Cedar.....	12.20	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0143	LF		1" x 3-1/2" Custom Shaped Clear West Cedar.....	14.83	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0144	LF		1" x 4-1/2" Custom Shaped Clear West Cedar.....	17.46	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0145	LF		1" x 5-1/2" Custom Shaped Clear West Cedar.....	20.22	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	
06 46 36 00-0146	LF		1" x 6-1/2" Custom Shaped Clear West Cedar.....	23.00	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0147 LF 1-1/4" x 1-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.46 1.09	1.40
06 46 36 00-0148 LF 1-1/4" x 2-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.47 1.12	1.40
06 46 36 00-0149 LF 1-1/4" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.48 1.15	1.53
06 46 36 00-0150 LF 1-1/4" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.48 1.18	1.53
06 46 36 00-0151 LF 1-1/4" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.64 1.25	1.65
06 46 36 00-0152 LF 1-1/4" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.78 1.32	1.65
06 46 36 00-0153 LF 1-1/2" x 1-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.80 1.12	1.40
06 46 36 00-0154 LF 1-1/2" x 2-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.93 1.15	1.53
06 46 36 00-0155 LF 1-1/2" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.05 1.18	1.53
06 46 36 00-0156 LF 1-1/2" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.16 1.21	1.65
06 46 36 00-0157 LF 1-1/2" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.30 1.25	1.65
06 46 36 00-0158 LF 1-1/2" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.69 1.35	1.78
06 46 36 00-0159 LF 3-1/2" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.82 1.26	1.65
06 46 36 00-0160 LF 3-1/2" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.90 1.31	1.65
06 46 36 00-0161 LF 3-1/2" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.86 1.34	1.78
06 46 36 00-0162 LF 3-1/2" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	68.09 1.43	1.90
06 46 36 00-0163 LF 3-1/2" x 7-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	77.05 1.46	1.90
06 46 36 00-0164 LF 3-1/2" x 8-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	86.14 1.52	2.03
06 46 36 00-0165 LF 3-1/2" x 9-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	95.10 1.55	2.03
06 46 36 00-0166 LF 3-1/2" x 10-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	104.07 1.58	2.03
06 46 36 00-0167 LF 3-1/2" x 11-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	113.29 1.67	2.16
06 46 36 00-0168 Cherry ^(06 46 36)		
06 46 36 00-0169 LF 3/4" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.88 1.03	1.40
06 46 36 00-0170 LF 3/4" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.73 1.06	1.40
06 46 36 00-0171 LF 3/4" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.59 1.09	1.40
06 46 36 00-0172 LF 3/4" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.43 1.13	1.53
06 46 36 00-0173 LF 3/4" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.43 1.19	1.53
06 46 36 00-0174 LF 3/4" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.42 1.26	1.65
06 46 36 00-0175 LF 3/4" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.25 1.29	1.65
06 46 36 00-0176 LF 3/4" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.13 1.33	1.65
06 46 36 00-0177 LF 3/4" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.90 1.34	1.78
06 46 36 00-0178 LF 3/4" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.93 1.42	1.78
06 46 36 00-0179 LF 3/4" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.84 1.46	1.90
06 46 36 00-0180 LF 1" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.78 1.06	1.40
06 46 36 00-0181 LF 1" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.51 1.09	1.40
06 46 36 00-0182 LF 1" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.25 1.12	1.53
06 46 36 00-0183 LF 1" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.98 1.16	1.53
06 46 36 00-0184 LF 1" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.85 1.22	1.65
06 46 36 00-0185 LF 1" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.73 1.29	1.65
06 46 36 00-0186 LF 1" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.44 1.32	1.65
06 46 36 00-0187 LF 1" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.26 1.35	1.78

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0188	LF		1" x 9-1/2" Custom Shaped Cherry	41.87	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.37	
06 46 36 00-0189	LF		1" x 10-1/2" Custom Shaped Cherry	45.78	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0190	LF		1" x 11-1/2" Custom Shaped Cherry	49.57	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	
06 46 36 00-0191	LF		1-1/4" x 1-1/2" Custom Shaped Cherry	13.84	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0192	LF		1-1/4" x 2-1/2" Custom Shaped Cherry	18.57	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0193	LF		1-1/4" x 3-1/2" Custom Shaped Cherry	23.24	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0194	LF		1-1/4" x 4-1/2" Custom Shaped Cherry	27.96	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0195	LF		1-1/4" x 5-1/2" Custom Shaped Cherry	32.78	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25	
06 46 36 00-0196	LF		1-1/4" x 6-1/2" Custom Shaped Cherry	37.65	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32	
06 46 36 00-0197	LF		1-1/4" x 7-1/2" Custom Shaped Cherry	42.30	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 46 36 00-0198	LF		1-1/4" x 8-1/2" Custom Shaped Cherry	47.06	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0199	LF		1-1/4" x 9-1/2" Custom Shaped Cherry	51.67	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0200	LF		1-1/4" x 10-1/2" Custom Shaped Cherry	56.56	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.47	
06 46 36 00-0201	LF		1-1/4" x 11-1/2" Custom Shaped Cherry	61.29	2.03
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.52	
06 46 36 00-0202	LF		1-1/2" x 1-1/2" Custom Shaped Cherry	17.66	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0203	LF		1-1/2" x 2-1/2" Custom Shaped Cherry	24.22	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0204	LF		1-1/2" x 3-1/2" Custom Shaped Cherry	30.77	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0205	LF		1-1/2" x 4-1/2" Custom Shaped Cherry	37.32	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0206	LF		1-1/2" x 5-1/2" Custom Shaped Cherry	43.88	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25	
06 46 36 00-0207	LF		1-1/2" x 6-1/2" Custom Shaped Cherry	50.70	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 46 36 00-0208	LF		1-1/2" x 7-1/2" Custom Shaped Cherry	57.24	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0209	LF		1-1/2" x 8-1/2" Custom Shaped Cherry	63.82	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0210	LF		1-1/2" x 9-1/2" Custom Shaped Cherry	70.30	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0211	LF		1-1/2" x 10-1/2" Custom Shaped Cherry	77.13	1.90
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50	
06 46 36 00-0212	LF		1-1/2" x 11-1/2" Custom Shaped Cherry	83.63	2.03
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.55	
06 46 36 00-0213			Cypress <small>(06 46 36)</small>		
06 46 36 00-0214	LF		3/4" x 1-1/2" Custom Shaped Cypress	7.56	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 36 00-0215	LF		3/4" x 2-1/2" Custom Shaped Cypress	9.25	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0216	LF		3/4" x 3-1/2" Custom Shaped Cypress	10.95	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0217	LF		3/4" x 4-1/2" Custom Shaped Cypress	12.63	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0218	LF		3/4" x 5-1/2" Custom Shaped Cypress	14.47	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0219	LF		3/4" x 6-1/2" Custom Shaped Cypress	16.30	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0220	LF		3/4" x 7-1/2" Custom Shaped Cypress	18.41	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29	
06 46 36 00-0221	LF		3/4" x 8-1/2" Custom Shaped Cypress	20.19	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0222	LF		3/4" x 9-1/2" Custom Shaped Cypress	23.52	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0223	LF		3/4" x 10-1/2" Custom Shaped Cypress	25.60	1.78
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0224	LF		1" x 1-1/2" Custom Shaped Cypress	10.01	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0225	LF		1" x 2-1/2" Custom Shaped Cypress	12.80	1.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0226	LF		1" x 3-1/2" Custom Shaped Cypress	15.66	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0227	LF		1" x 4-1/2" Custom Shaped Cypress	18.51	1.53
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0228	LF		1" x 5-1/2" Custom Shaped Cypress	21.49	1.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0229	LF		1" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.43 1.29	1.65
06 46 36 00-0230	LF		1" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.26 1.32	1.65
06 46 36 00-0231	LF		1" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.14 1.35	1.78
06 46 36 00-0232	LF		1" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.92 1.37	1.78
06 46 36 00-0233	LF		1" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.01 1.45	1.90
06 46 36 00-0234	LF		1" x 11-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.80 1.49	1.90
06 46 36 00-0235	LF		1-1/2" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.70 1.12	1.40
06 46 36 00-0236	LF		1-1/2" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.27 1.15	1.53
06 46 36 00-0237	LF		1-1/2" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.84 1.18	1.53
06 46 36 00-0238	LF		1-1/2" x 4-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.40 1.21	1.65
06 46 36 00-0239	LF		1-1/2" x 5-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.99 1.25	1.65
06 46 36 00-0240	LF		1-1/2" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.82 1.35	1.78
06 46 36 00-0241	LF		1-1/2" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.38 1.38	1.78
06 46 36 00-0242	LF		1-1/2" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.98 1.42	1.78
06 46 36 00-0243	LF		1-1/2" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.79 1.43	1.90
06 46 36 00-0244	LF		1-1/2" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.74 1.50	1.90
06 46 36 00-0245	Fir	<small>(06 46 36)</small>			
06 46 36 00-0246	LF		3/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.45 1.03	1.40
06 46 36 00-0247	LF		3/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.58 1.06	1.40
06 46 36 00-0248	LF		3/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.71 1.09	1.40
06 46 36 00-0249	LF		3/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.84 1.13	1.53
06 46 36 00-0250	LF		3/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.12 1.19	1.53
06 46 36 00-0251	LF		3/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.39 1.26	1.65
06 46 36 00-0252	LF		3/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.51 1.29	1.65
06 46 36 00-0253	LF		3/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.67 1.33	1.65
06 46 36 00-0254	LF		3/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.72 1.34	1.78
06 46 36 00-0255	LF		3/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.03 1.42	1.90
06 46 36 00-0256	LF		1" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.01 1.06	1.40
06 46 36 00-0257	LF		1" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.80 1.09	1.40
06 46 36 00-0258	LF		1" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.66 1.12	1.53
06 46 36 00-0259	LF		1" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.51 1.16	1.53
06 46 36 00-0260	LF		1" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.49 1.22	1.65
06 46 36 00-0261	LF		1" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.43 1.29	1.65
06 46 36 00-0262	LF		1" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.26 1.32	1.65
06 46 36 00-0263	LF		1" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.14 1.35	1.78
06 46 36 00-0264	LF		1" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.92 1.37	1.78
06 46 36 00-0265	LF		1" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.01 1.45	1.90
06 46 36 00-0266	LF		1" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.80 1.49	1.90
06 46 36 00-0267	LF		1-1/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.19 1.09	1.40
06 46 36 00-0268	LF		1-1/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.59 1.12	1.40
06 46 36 00-0269	LF		1-1/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.93 1.15	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0270 LF 1-1/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.33 1.18	1.53
06 46 36 00-0271 LF 1-1/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.83 1.25	1.65
06 46 36 00-0272 LF 1-1/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.37 1.32	1.65
06 46 36 00-0273 LF 1-1/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.70 1.35	1.78
06 46 36 00-0274 LF 1-1/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.13 1.38	1.78
06 46 36 00-0275 LF 1-1/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.41 1.40	1.78
06 46 36 00-0276 LF 1-1/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.98 1.47	1.90
06 46 36 00-0277 LF 1-1/4" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.38 1.52	2.03
06 46 36 00-0278 LF 1-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.80 1.12	1.40
06 46 36 00-0279 LF 1-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.93 1.15	1.53
06 46 36 00-0280 LF 1-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.05 1.18	1.53
06 46 36 00-0281 LF 1-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.16 1.21	1.65
06 46 36 00-0282 LF 1-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.30 1.25	1.65
06 46 36 00-0283 LF 1-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.69 1.35	1.78
06 46 36 00-0284 LF 1-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.80 1.38	1.78
06 46 36 00-0285 LF 1-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.95 1.42	1.90
06 46 36 00-0286 LF 1-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.00 1.43	1.90
06 46 36 00-0287 LF 1-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.29 1.50	2.03
06 46 36 00-0288 LF 1-1/2" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.46 1.55	2.03
06 46 36 00-0289 LF 2-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.99 1.17	1.53
06 46 36 00-0290 LF 2-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.07 1.20	1.53
06 46 36 00-0291 LF 2-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.16 1.23	1.65
06 46 36 00-0292 LF 2-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.35 1.28	1.65
06 46 36 00-0293 LF 2-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.44 1.32	1.65
06 46 36 00-0294 LF 2-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	61.77 1.40	1.78
06 46 36 00-0295 LF 2-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	69.86 1.43	1.90
06 46 36 00-0296 LF 2-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	78.17 1.49	1.90
06 46 36 00-0297 LF 2-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	86.14 1.52	2.03
06 46 36 00-0298 LF 2-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	94.22 1.55	2.03
06 46 36 00-0299 LF 3-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.23 1.26	1.65
06 46 36 00-0300 LF 3-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.53 1.31	1.65
06 46 36 00-0301 LF 3-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	66.82 1.34	1.78
06 46 36 00-0302 LF 3-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	77.37 1.43	1.90
06 46 36 00-0303 LF 3-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	87.65 1.46	1.90
06 46 36 00-0304 LF 3-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	98.07 1.52	2.03
06 46 36 00-0305 LF 3-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	108.36 1.55	2.03
06 46 36 00-0306 LF 3-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	118.65 1.58	2.03
06 46 36 00-0307 Honduran Mahogany <small>(06 46 36)</small>		
06 46 36 00-0308 LF 3/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.55 1.03	1.40
06 46 36 00-0309 LF 3/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.72 1.06	1.40
06 46 36 00-0310 LF 3/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.91 1.09	1.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0311 LF 3/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.09 1.13	1.53
06 46 36 00-0312 LF 3/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.42 1.19	1.53
06 46 36 00-0313 LF 3/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.74 1.26	1.65
06 46 36 00-0314 LF 3/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.90 1.29	1.65
06 46 36 00-0315 LF 3/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.11 1.33	1.78
06 46 36 00-0316 LF 3/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.22 1.34	1.78
06 46 36 00-0317 LF 3/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.58 1.42	1.90
06 46 36 00-0318 LF 3/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.81 1.46	1.90
06 46 36 00-0319 LF 1" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.77 1.06	1.40
06 46 36 00-0320 LF 1" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.95 1.09	1.40
06 46 36 00-0321 LF 1" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.18 1.12	1.53
06 46 36 00-0322 LF 1" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.41 1.16	1.53
06 46 36 00-0323 LF 1" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.78 1.22	1.65
06 46 36 00-0324 LF 1" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.10 1.29	1.65
06 46 36 00-0325 LF 1" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.31 1.32	1.78
06 46 36 00-0326 LF 1" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.57 1.35	1.78
06 46 36 00-0327 LF 1" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.73 1.37	1.78
06 46 36 00-0328 LF 1" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.09 1.45	1.90
06 46 36 00-0329 LF 1" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.92 1.49	1.90
06 46 36 00-0330 LF 1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.51 1.09	1.40
06 46 36 00-0331 LF 1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.56 1.12	1.40
06 46 36 00-0332 LF 1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.56 1.15	1.53
06 46 36 00-0333 LF 1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.62 1.18	1.53
06 46 36 00-0334 LF 1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.77 1.25	1.65
06 46 36 00-0335 LF 1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.97 1.32	1.78
06 46 36 00-0336 LF 1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.96 1.35	1.78
06 46 36 00-0337 LF 1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.04 1.38	1.78
06 46 36 00-0338 LF 1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.88 1.40	1.78
06 46 36 00-0339 LF 1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.21 1.47	1.90
06 46 36 00-0340 LF 1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.27 1.52	2.03
06 46 36 00-0341 LF 1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.89 1.12	1.40
06 46 36 00-0342 LF 1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.55 1.15	1.53
06 46 36 00-0343 LF 1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.21 1.18	1.53
06 46 36 00-0344 LF 1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.87 1.21	1.53
06 46 36 00-0345 LF 1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.55 1.25	1.65
06 46 36 00-0346 LF 1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.47 1.35	1.78
06 46 36 00-0347 LF 1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.12 1.38	1.78
06 46 36 00-0348 LF 1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	64.82 1.42	1.90
06 46 36 00-0349 LF 1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	71.41 1.43	1.90
06 46 36 00-0350 LF 1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	78.23 1.50	1.90
06 46 36 00-0351 LF 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	85.06 1.55	2.03
06 46 36 00-0352 LF 2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.25 1.14	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0353 LF 2" x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.56 1.17	1.53
06 46 36 00-0354 LF 2" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.80 1.20	1.53
06 46 36 00-0355 LF 2" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.22 1.26	1.65
06 46 36 00-0356 LF 2" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.47 1.29	1.65
06 46 36 00-0357 LF 2" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	63.02 1.37	1.78
06 46 36 00-0358 LF 2" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	71.27 1.40	1.78
06 46 36 00-0359 LF 2" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	79.70 1.46	1.90
06 46 36 00-0360 LF 2" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	87.94 1.49	1.90
06 46 36 00-0361 LF 2" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	96.25 1.52	2.03
06 46 36 00-0362 LF 2" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	104.75 1.61	2.16
06 46 36 00-0363 LF 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.07 1.17	1.53
06 46 36 00-0364 LF 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.04 1.20	1.53
06 46 36 00-0365 LF 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.11 1.23	1.65
06 46 36 00-0366 LF 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.29 1.28	1.65
06 46 36 00-0367 LF 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.37 1.32	1.65
06 46 36 00-0368 LF 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	75.69 1.40	1.78
06 46 36 00-0369 LF 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	85.77 1.43	1.90
06 46 36 00-0370 LF 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	95.96 1.49	1.90
06 46 36 00-0371 LF 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	106.02 1.52	2.03
06 46 36 00-0372 LF 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	116.09 1.55	2.03
06 46 36 00-0373 LF 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	126.43 1.64	2.16
06 46 36 00-0374 LF 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	61.15 1.26	1.65
06 46 36 00-0375 LF 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	75.31 1.31	1.65
06 46 36 00-0376 LF 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	89.35 1.34	1.78
06 46 36 00-0377 LF 3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	103.66 1.43	1.90
06 46 36 00-0378 LF 3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	117.70 1.46	1.90
06 46 36 00-0379 LF 3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	131.87 1.52	2.03
06 46 36 00-0380 LF 3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	145.92 1.55	2.03
06 46 36 00-0381 LF 3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	159.97 1.58	2.03
06 46 36 00-0382 LF 3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	174.27 1.67	2.16
06 46 36 00-0383 Maple <small>(06 46 36)</small>		
06 46 36 00-0384 LF 3/4" x 1-1/2" Custom Shaped Maple.....	8.01	1.40
06 46 36 00-0385 LF 3/4" x 2-1/2" Custom Shaped Maple.....	9.91	1.40
06 46 36 00-0386 LF 3/4" x 3-1/2" Custom Shaped Maple.....	11.83	1.40
06 46 36 00-0387 LF 3/4" x 4-1/2" Custom Shaped Maple.....	13.74	1.53
06 46 36 00-0388 LF 3/4" x 5-1/2" Custom Shaped Maple.....	15.79	1.53
06 46 36 00-0389 LF 3/4" x 6-1/2" Custom Shaped Maple.....	17.84	1.65
06 46 36 00-0390 LF 3/4" x 7-1/2" Custom Shaped Maple.....	19.74	1.65
06 46 36 00-0391 LF 3/4" x 8-1/2" Custom Shaped Maple.....	21.68	1.65
06 46 36 00-0392 LF 3/4" x 9-1/2" Custom Shaped Maple.....	23.52	1.78
06 46 36 00-0393 LF 3/4" x 10-1/2" Custom Shaped Maple.....	25.60	1.90
06 46 36 00-0394 LF 3/4" x 11-1/2" Custom Shaped Maple.....	27.57	1.90
06 46 36 00-0395 LF 1" x 1-1/2" Custom Shaped Maple.....	9.46	1.40
06 46 36 00-0396 LF 1" x 2-1/2" Custom Shaped Maple.....	11.98	1.40
06 46 36 00-0397 LF 1" x 3-1/2" Custom Shaped Maple.....	14.56	1.53
06 46 36 00-0398 LF 1" x 4-1/2" Custom Shaped Maple.....	17.13	1.53
06 46 36 00-0399 LF 1" x 5-1/2" Custom Shaped Maple.....	19.84	1.65
06 46 36 00-0400 LF 1" x 6-1/2" Custom Shaped Maple.....	22.50	1.65
06 46 36 00-0401 LF 1" x 7-1/2" Custom Shaped Maple.....	25.05	1.65
06 46 36 00-0402 LF 1" x 8-1/2" Custom Shaped Maple.....	27.65	1.78
06 46 36 00-0403 LF 1" x 9-1/2" Custom Shaped Maple.....	30.16	1.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0404	LF		1" x 10-1/2" Custom Shaped Maple.....	31.75	1.90
06 46 36 00-0405	LF		1" x 11-1/2" Custom Shaped Maple.....	35.49	1.90
06 46 36 00-0406	LF		1-1/4" x 1-1/2" Custom Shaped Maple.....	10.70	1.40
06 46 36 00-0407	LF		1-1/4" x 2-1/2" Custom Shaped Maple.....	13.82	1.40
06 46 36 00-0408	LF		1-1/4" x 3-1/2" Custom Shaped Maple.....	16.94	1.53
06 46 36 00-0409	LF		1-1/4" x 4-1/2" Custom Shaped Maple.....	20.06	1.53
06 46 36 00-0410	LF		1-1/4" x 5-1/2" Custom Shaped Maple.....	23.34	1.65
06 46 36 00-0411	LF		1-1/4" x 6-1/2" Custom Shaped Maple.....	26.60	1.65
06 46 36 00-0412	LF		1-1/4" x 7-1/2" Custom Shaped Maple.....	29.71	1.78
06 46 36 00-0413	LF		1-1/4" x 8-1/2" Custom Shaped Maple.....	32.86	1.78
06 46 36 00-0414	LF		1-1/4" x 9-1/2" Custom Shaped Maple.....	35.93	1.78
06 46 36 00-0415	LF		1-1/4" x 10-1/2" Custom Shaped Maple.....	39.22	1.90
06 46 36 00-0416	LF		1-1/4" x 11-1/2" Custom Shaped Maple.....	42.40	2.03
06 46 36 00-0417	LF		1-1/2" x 1-1/2" Custom Shaped Maple.....	13.25	1.40
06 46 36 00-0418	LF		1-1/2" x 2-1/2" Custom Shaped Maple.....	17.59	1.53
06 46 36 00-0419	LF		1-1/2" x 3-1/2" Custom Shaped Maple.....	21.93	1.53
06 46 36 00-0420	LF		1-1/2" x 4-1/2" Custom Shaped Maple.....	26.27	1.65
06 46 36 00-0421	LF		1-1/2" x 5-1/2" Custom Shaped Maple.....	30.63	1.65
06 46 36 00-0422	LF		1-1/2" x 6-1/2" Custom Shaped Maple.....	35.23	1.78
06 46 36 00-0423	LF		1-1/2" x 7-1/2" Custom Shaped Maple.....	39.56	1.78
06 46 36 00-0424	LF		1-1/2" x 8-1/2" Custom Shaped Maple.....	44.49	1.90
06 46 36 00-0425	LF		1-1/2" x 9-1/2" Custom Shaped Maple.....	48.21	1.90
06 46 36 00-0426	LF		1-1/2" x 10-1/2" Custom Shaped Maple.....	52.83	2.03
06 46 36 00-0427	LF		1-1/2" x 11-1/2" Custom Shaped Maple.....	57.11	2.03
06 46 36 00-0428	LF		2" x 1-1/2" Custom Shaped Maple.....	17.39	1.53
06 46 36 00-0429	LF		2" x 2-1/2" Custom Shaped Maple.....	23.76	1.53
06 46 36 00-0430	LF		2" x 3-1/2" Custom Shaped Maple.....	30.07	1.53
06 46 36 00-0431	LF		2" x 4-1/2" Custom Shaped Maple.....	36.56	1.65
06 46 36 00-0432	LF		2" x 5-1/2" Custom Shaped Maple.....	42.87	1.65
06 46 36 00-0433	LF		2" x 6-1/2" Custom Shaped Maple.....	49.48	1.78
06 46 36 00-0434	LF		2" x 7-1/2" Custom Shaped Maple.....	55.80	1.78
06 46 36 00-0435	LF		2" x 8-1/2" Custom Shaped Maple.....	62.30	1.90
06 46 36 00-0436	LF		2" x 9-1/2" Custom Shaped Maple.....	68.61	1.90
06 46 36 00-0437	LF		2" x 10-1/2" Custom Shaped Maple.....	74.98	2.03
06 46 36 00-0438	LF		2" x 11-1/2" Custom Shaped Maple.....	82.11	2.16
06 46 36 00-0439	LF		3-1/2" x 3-1/2" Custom Shaped Maple.....	65.56	1.65
06 46 36 00-0440	LF		3-1/2" x 4-1/2" Custom Shaped Maple.....	80.83	1.65
06 46 36 00-0441	LF		3-1/2" x 5-1/2" Custom Shaped Maple.....	95.98	1.78
06 46 36 00-0442	LF		3-1/2" x 6-1/2" Custom Shaped Maple.....	111.40	1.90
06 46 36 00-0443	LF		3-1/2" x 7-1/2" Custom Shaped Maple.....	126.54	1.90
06 46 36 00-0444	LF		3-1/2" x 8-1/2" Custom Shaped Maple.....	141.81	2.03
06 46 36 00-0445	LF		3-1/2" x 9-1/2" Custom Shaped Maple.....	156.97	2.03
06 46 36 00-0446	LF		3-1/2" x 10-1/2" Custom Shaped Maple.....	172.12	2.03
06 46 36 00-0447	LF		3-1/2" x 11-1/2" Custom Shaped Maple.....	187.52	2.16
06 46 36 00-0448 Appl Soft Maple (06 46 36)					
06 46 36 00-0449	LF		3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	8.12	1.40
06 46 36 00-0450	LF		3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	10.08	1.40
06 46 36 00-0451	LF		3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	12.05	1.40
06 46 36 00-0452	LF		3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	14.01	1.53
06 46 36 00-0453	LF		3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	16.13	1.53
06 46 36 00-0454	LF		3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	18.23	1.65
06 46 36 00-0455	LF		3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	20.18	1.65
06 46 36 00-0456	LF		3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	22.17	1.65
06 46 36 00-0457	LF		3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	24.07	1.78
06 46 36 00-0458	LF		3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	26.21	1.90
06 46 36 00-0459	LF		3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	28.23	1.90
06 46 36 00-0460	LF		1" x 1-1/2" Custom Shaped Appl Soft Maple.....	9.18	1.40
06 46 36 00-0461	LF		1" x 2-1/2" Custom Shaped Appl Soft Maple.....	11.59	1.40
06 46 36 00-0462	LF		1" x 3-1/2" Custom Shaped Appl Soft Maple.....	14.00	1.53
06 46 36 00-0463	LF		1" x 4-1/2" Custom Shaped Appl Soft Maple.....	16.35	1.53
06 46 36 00-0464	LF		1" x 5-1/2" Custom Shaped Appl Soft Maple.....	19.01	1.65
06 46 36 00-0465	LF		1" x 6-1/2" Custom Shaped Appl Soft Maple.....	21.56	1.65
06 46 36 00-0466	LF		1" x 7-1/2" Custom Shaped Appl Soft Maple.....	23.95	1.65
06 46 36 00-0467	LF		1" x 8-1/2" Custom Shaped Appl Soft Maple.....	26.38	1.78
06 46 36 00-0468	LF		1" x 9-1/2" Custom Shaped Appl Soft Maple.....	28.78	1.78
06 46 36 00-0469	LF		1" x 10-1/2" Custom Shaped Appl Soft Maple.....	31.37	1.90
06 46 36 00-0470	LF		1" x 11-1/2" Custom Shaped Appl Soft Maple.....	33.83	1.90
06 46 36 00-0471	LF		1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	10.20	1.40
06 46 36 00-0472	LF		1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	13.10	1.40
06 46 36 00-0473	LF		1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	15.95	1.53
06 46 36 00-0474	LF		1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	18.85	1.53
06 46 36 00-0475	LF		1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	21.84	1.65
06 46 36 00-0476	LF		1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	24.89	1.65
06 46 36 00-0477	LF		1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	27.72	1.78
06 46 36 00-0478	LF		1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	30.65	1.78
06 46 36 00-0479	LF		1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	33.44	1.78
06 46 36 00-0480	LF		1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	36.51	1.90
06 46 36 00-0481	LF		1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	39.42	2.03
06 46 36 00-0482	LF		1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple.....	12.14	1.40

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0483 LF 1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	15.94	1.53
06 46 36 00-0484 LF 1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	19.72	1.53
06 46 36 00-0485 LF 1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	23.51	1.65
06 46 36 00-0486 LF 1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	27.31	1.65
06 46 36 00-0487 LF 1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	31.37	1.78
06 46 36 00-0488 LF 1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	35.14	1.78
06 46 36 00-0489 LF 1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	38.97	1.90
06 46 36 00-0490 LF 1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	42.68	1.90
06 46 36 00-0491 LF 1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	46.64	2.03
06 46 36 00-0492 LF 1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	50.49	2.03
06 46 36 00-0493 Red Oak <small>(06 46 36)</small>		
06 46 36 00-0494 LF 3/4" x 1-1/2" Custom Shaped Red Oak	8.67	1.40
06 46 36 00-0495 LF 3/4" x 2-1/2" Custom Shaped Red Oak	10.91	1.40
06 46 36 00-0496 LF 3/4" x 3-1/2" Custom Shaped Red Oak	13.16	1.40
06 46 36 00-0497 LF 3/4" x 4-1/2" Custom Shaped Red Oak	15.39	1.53
06 46 36 00-0498 LF 3/4" x 5-1/2" Custom Shaped Red Oak	17.78	1.53
06 46 36 00-0499 LF 3/4" x 6-1/2" Custom Shaped Red Oak	20.16	1.65
06 46 36 00-0500 LF 3/4" x 7-1/2" Custom Shaped Red Oak	22.39	1.65
06 46 36 00-0501 LF 3/4" x 8-1/2" Custom Shaped Red Oak	24.66	1.65
06 46 36 00-0502 LF 3/4" x 9-1/2" Custom Shaped Red Oak	26.83	1.78
06 46 36 00-0503 LF 3/4" x 10-1/2" Custom Shaped Red Oak	29.25	1.90
06 46 36 00-0504 LF 3/4" x 11-1/2" Custom Shaped Red Oak	31.55	1.90
06 46 36 00-0505 LF 1" x 1-1/2" Custom Shaped Red Oak	10.40	1.40
06 46 36 00-0506 LF 1" x 2-1/2" Custom Shaped Red Oak	13.47	1.40
06 46 36 00-0507 LF 1" x 3-1/2" Custom Shaped Red Oak	16.49	1.53
06 46 36 00-0508 LF 1" x 4-1/2" Custom Shaped Red Oak	20.66	1.53
06 46 36 00-0509 LF 1" x 5-1/2" Custom Shaped Red Oak	22.71	1.65
06 46 36 00-0510 LF 1" x 6-1/2" Custom Shaped Red Oak	25.93	1.65
06 46 36 00-0511 LF 1" x 7-1/2" Custom Shaped Red Oak	28.92	1.65
06 46 36 00-0512 LF 1" x 8-1/2" Custom Shaped Red Oak	31.96	1.78
06 46 36 00-0513 LF 1" x 9-1/2" Custom Shaped Red Oak	34.97	1.78
06 46 36 00-0514 LF 1" x 10-1/2" Custom Shaped Red Oak	38.22	1.90
06 46 36 00-0515 LF 1" x 11-1/2" Custom Shaped Red Oak	41.29	1.90
06 46 36 00-0516 LF 1-1/4" x 1-1/2" Custom Shaped Red Oak	12.85	1.40
06 46 36 00-0517 LF 1-1/4" x 2-1/2" Custom Shaped Red Oak	17.08	1.40
06 46 36 00-0518 LF 1-1/4" x 3-1/2" Custom Shaped Red Oak	21.25	1.53
06 46 36 00-0519 LF 1-1/4" x 4-1/2" Custom Shaped Red Oak	25.48	1.53
06 46 36 00-0520 LF 1-1/4" x 5-1/2" Custom Shaped Red Oak	29.80	1.65
06 46 36 00-0521 LF 1-1/4" x 6-1/2" Custom Shaped Red Oak	34.17	1.65
06 46 36 00-0522 LF 1-1/4" x 7-1/2" Custom Shaped Red Oak	38.33	1.78
06 46 36 00-0523 LF 1-1/4" x 8-1/2" Custom Shaped Red Oak	42.59	1.78
06 46 36 00-0524 LF 1-1/4" x 9-1/2" Custom Shaped Red Oak	46.70	1.78
06 46 36 00-0525 LF 1-1/4" x 10-1/2" Custom Shaped Red Oak	51.09	1.90
06 46 36 00-0526 LF 1-1/4" x 11-1/2" Custom Shaped Red Oak	55.33	2.03
06 46 36 00-0527 LF 1-1/2" x 1-1/2" Custom Shaped Red Oak	17.89	1.40
06 46 36 00-0528 LF 1-1/2" x 2-1/2" Custom Shaped Red Oak	24.55	1.53
06 46 36 00-0529 LF 1-1/2" x 3-1/2" Custom Shaped Red Oak	31.21	1.53
06 46 36 00-0530 LF 1-1/2" x 4-1/2" Custom Shaped Red Oak	37.87	1.53
06 46 36 00-0531 LF 1-1/2" x 5-1/2" Custom Shaped Red Oak	44.55	1.65
06 46 36 00-0532 LF 1-1/2" x 6-1/2" Custom Shaped Red Oak	51.58	1.78
06 46 36 00-0533 LF 1-1/2" x 7-1/2" Custom Shaped Red Oak	58.12	1.78
06 46 36 00-0534 LF 1-1/2" x 8-1/2" Custom Shaped Red Oak	65.92	1.90
06 46 36 00-0535 LF 1-1/2" x 9-1/2" Custom Shaped Red Oak	71.41	1.90
06 46 36 00-0536 LF 1-1/2" x 10-1/2" Custom Shaped Red Oak	78.23	1.90
06 46 36 00-0537 LF 1-1/2" x 11-1/2" Custom Shaped Red Oak	84.95	2.03
06 46 36 00-0538 LF 2" x 1-1/2" Custom Shaped Red Oak	27.33	1.53
06 46 36 00-0539 LF 2" x 2-1/2" Custom Shaped Red Oak	38.67	1.53
06 46 36 00-0540 LF 2" x 3-1/2" Custom Shaped Red Oak	49.95	1.53
06 46 36 00-0541 LF 2" x 4-1/2" Custom Shaped Red Oak	61.41	1.65
06 46 36 00-0542 LF 2" x 5-1/2" Custom Shaped Red Oak	72.70	1.65
06 46 36 00-0543 LF 2" x 6-1/2" Custom Shaped Red Oak	84.28	1.78
06 46 36 00-0544 LF 2" x 7-1/2" Custom Shaped Red Oak	95.57	1.78
06 46 36 00-0545 LF 2" x 8-1/2" Custom Shaped Red Oak	107.04	1.90
06 46 36 00-0546 LF 2" x 9-1/2" Custom Shaped Red Oak	118.32	1.90
06 46 36 00-0547 LF 2" x 10-1/2" Custom Shaped Red Oak	129.66	2.03
06 46 36 00-0548 LF 2" x 11-1/2" Custom Shaped Red Oak	141.21	2.16
06 46 36 00-0549 White Oak <small>(06 46 36)</small>		
06 46 36 00-0550 LF 3/4" x 1-1/2" Custom Shaped White Oak	8.78	1.40
06 46 36 00-0551 LF 3/4" x 2-1/2" Custom Shaped White Oak	11.07	1.40
06 46 36 00-0552 LF 3/4" x 3-1/2" Custom Shaped White Oak	13.38	1.40
06 46 36 00-0553 LF 3/4" x 4-1/2" Custom Shaped White Oak	15.67	1.53
06 46 36 00-0554 LF 3/4" x 5-1/2" Custom Shaped White Oak	18.11	1.53
06 46 36 00-0555 LF 3/4" x 6-1/2" Custom Shaped White Oak	20.55	1.65
06 46 36 00-0556 LF 3/4" x 7-1/2" Custom Shaped White Oak	22.83	1.65
06 46 36 00-0557 LF 3/4" x 8-1/2" Custom Shaped White Oak	25.16	1.65
06 46 36 00-0558 LF 3/4" x 9-1/2" Custom Shaped White Oak	27.38	1.78
06 46 36 00-0559 LF 3/4" x 10-1/2" Custom Shaped White Oak	29.86	1.90



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0560	LF			3/4" x 11-1/2" Custom Shaped White Oak.....	32.21	1.90
06 46 36 00-0561	LF			1" x 1-1/2" Custom Shaped White Oak.....	10.40	1.40
06 46 36 00-0562	LF			1" x 2-1/2" Custom Shaped White Oak.....	13.47	1.40
06 46 36 00-0563	LF			1" x 3-1/2" Custom Shaped White Oak.....	16.49	1.53
06 46 36 00-0564	LF			1" x 4-1/2" Custom Shaped White Oak.....	20.66	1.53
06 46 36 00-0565	LF			1" x 5-1/2" Custom Shaped White Oak.....	22.71	1.65
06 46 36 00-0566	LF			1" x 6-1/2" Custom Shaped White Oak.....	25.93	1.65
06 46 36 00-0567	LF			1" x 7-1/2" Custom Shaped White Oak.....	28.92	1.65
06 46 36 00-0568	LF			1" x 8-1/2" Custom Shaped White Oak.....	31.96	1.78
06 46 36 00-0569	LF			1" x 9-1/2" Custom Shaped White Oak.....	34.97	1.78
06 46 36 00-0570	LF			1" x 10-1/2" Custom Shaped White Oak.....	38.22	1.90
06 46 36 00-0571	LF			1" x 11-1/2" Custom Shaped White Oak.....	41.29	1.90
06 46 36 00-0572	LF			1-1/4" x 1-1/2" Custom Shaped White Oak.....	13.02	1.40
06 46 36 00-0573	LF			1-1/4" x 2-1/2" Custom Shaped White Oak.....	17.30	1.40
06 46 36 00-0574	LF			1-1/4" x 3-1/2" Custom Shaped White Oak.....	21.58	1.53
06 46 36 00-0575	LF			1-1/4" x 4-1/2" Custom Shaped White Oak.....	25.86	1.53
06 46 36 00-0576	LF			1-1/4" x 5-1/2" Custom Shaped White Oak.....	30.30	1.65
06 46 36 00-0577	LF			1-1/4" x 6-1/2" Custom Shaped White Oak.....	34.72	1.65
06 46 36 00-0578	LF			1-1/4" x 7-1/2" Custom Shaped White Oak.....	38.99	1.78
06 46 36 00-0579	LF			1-1/4" x 8-1/2" Custom Shaped White Oak.....	43.30	1.78
06 46 36 00-0580	LF			1-1/4" x 9-1/2" Custom Shaped White Oak.....	47.53	1.78
06 46 36 00-0581	LF			1-1/4" x 10-1/2" Custom Shaped White Oak.....	51.98	1.90
06 46 36 00-0582	LF			1-1/4" x 11-1/2" Custom Shaped White Oak.....	56.32	2.03
06 46 36 00-0583	LF			1-1/2" x 1-1/2" Custom Shaped White Oak.....	21.20	1.40
06 46 36 00-0584	LF			1-1/2" x 2-1/2" Custom Shaped White Oak.....	29.52	1.53
06 46 36 00-0585	LF			1-1/2" x 3-1/2" Custom Shaped White Oak.....	37.84	1.53
06 46 36 00-0586	LF			1-1/2" x 4-1/2" Custom Shaped White Oak.....	46.15	1.65
06 46 36 00-0587	LF			1-1/2" x 5-1/2" Custom Shaped White Oak.....	54.49	1.65
06 46 36 00-0588	LF			1-1/2" x 6-1/2" Custom Shaped White Oak.....	63.07	1.78
06 46 36 00-0589	LF			1-1/2" x 7-1/2" Custom Shaped White Oak.....	71.38	1.78
06 46 36 00-0590	LF			1-1/2" x 8-1/2" Custom Shaped White Oak.....	79.73	1.90
06 46 36 00-0591	LF			1-1/2" x 9-1/2" Custom Shaped White Oak.....	86.87	1.90
06 46 36 00-0592	LF			1-1/2" x 10-1/2" Custom Shaped White Oak.....	96.46	2.03
06 46 36 00-0593	LF			1-1/2" x 11-1/2" Custom Shaped White Oak.....	104.84	2.03
06 46 36 00-0594				White Pine <small>(06 46 36)</small>		
06 46 36 00-0595	LF			3/4" x 1-1/2" Custom Shaped White Pine.....	9.77	1.40
06 46 36 00-0596	LF			3/4" x 2-1/2" Custom Shaped White Pine.....	12.56	1.40
06 46 36 00-0597	LF			3/4" x 3-1/2" Custom Shaped White Pine.....	15.36	1.40
06 46 36 00-0598	LF			3/4" x 4-1/2" Custom Shaped White Pine.....	18.16	1.53
06 46 36 00-0599	LF			3/4" x 5-1/2" Custom Shaped White Pine.....	21.10	1.53
06 46 36 00-0600	LF			3/4" x 6-1/2" Custom Shaped White Pine.....	24.03	1.65
06 46 36 00-0601	LF			3/4" x 7-1/2" Custom Shaped White Pine.....	26.81	1.65
06 46 36 00-0602	LF			3/4" x 8-1/2" Custom Shaped White Pine.....	29.63	1.65
06 46 36 00-0603	LF			3/4" x 9-1/2" Custom Shaped White Pine.....	34.01	1.78
06 46 36 00-0604	LF			3/4" x 10-1/2" Custom Shaped White Pine.....	37.15	1.90
06 46 36 00-0605	LF			1" x 1-1/2" Custom Shaped White Pine.....	10.95	1.40
06 46 36 00-0606	LF			1" x 2-1/2" Custom Shaped White Pine.....	14.30	1.40
06 46 36 00-0607	LF			1" x 3-1/2" Custom Shaped White Pine.....	17.59	1.53
06 46 36 00-0608	LF			1" x 4-1/2" Custom Shaped White Pine.....	20.94	1.53
06 46 36 00-0609	LF			1" x 5-1/2" Custom Shaped White Pine.....	24.37	1.65
06 46 36 00-0610	LF			1" x 6-1/2" Custom Shaped White Pine.....	27.86	1.65
06 46 36 00-0611	LF			1" x 7-1/2" Custom Shaped White Pine.....	31.13	1.65
06 46 36 00-0612	LF			1" x 8-1/2" Custom Shaped White Pine.....	34.50	1.78
06 46 36 00-0613	LF			1" x 9-1/2" Custom Shaped White Pine.....	37.73	1.78
06 46 36 00-0614	LF			1" x 10-1/2" Custom Shaped White Pine.....	41.25	1.90
06 46 36 00-0615	LF			1" x 11-1/2" Custom Shaped White Pine.....	44.60	1.90
06 46 36 00-0616	LF			1-1/4" x 1-1/2" Custom Shaped White Pine.....	12.35	1.40
06 46 36 00-0617	LF			1-1/4" x 2-1/2" Custom Shaped White Pine.....	16.30	1.40
06 46 36 00-0618	LF			1-1/4" x 3-1/2" Custom Shaped White Pine.....	20.37	1.53
06 46 36 00-0619	LF			1-1/4" x 4-1/2" Custom Shaped White Pine.....	24.21	1.53
06 46 36 00-0620	LF			1-1/4" x 5-1/2" Custom Shaped White Pine.....	28.31	1.65
06 46 36 00-0621	LF			1-1/4" x 6-1/2" Custom Shaped White Pine.....	32.40	1.65
06 46 36 00-0622	LF			1-1/4" x 7-1/2" Custom Shaped White Pine.....	36.34	1.78
06 46 36 00-0623	LF			1-1/4" x 8-1/2" Custom Shaped White Pine.....	40.32	1.78
06 46 36 00-0624	LF			1-1/4" x 9-1/2" Custom Shaped White Pine.....	44.21	1.78
06 46 36 00-0625	LF			1-1/4" x 10-1/2" Custom Shaped White Pine.....	48.33	1.90
06 46 36 00-0626	LF			1-1/4" x 11-1/2" Custom Shaped White Pine.....	52.34	2.03
06 46 36 00-0627	LF			1-1/2" x 1-1/2" Custom Shaped White Pine.....	15.45	1.40
06 46 36 00-0628	LF			1-1/2" x 2-1/2" Custom Shaped White Pine.....	20.91	1.53
06 46 36 00-0629	LF			1-1/2" x 3-1/2" Custom Shaped White Pine.....	26.35	1.53
06 46 36 00-0630	LF			1-1/2" x 4-1/2" Custom Shaped White Pine.....	31.79	1.65
06 46 36 00-0631	LF			1-1/2" x 5-1/2" Custom Shaped White Pine.....	37.26	1.65
06 46 36 00-0632	LF			1-1/2" x 6-1/2" Custom Shaped White Pine.....	42.97	1.78
06 46 36 00-0633	LF			1-1/2" x 7-1/2" Custom Shaped White Pine.....	48.40	1.78
06 46 36 00-0634	LF			1-1/2" x 8-1/2" Custom Shaped White Pine.....	53.88	1.90
06 46 36 00-0635	LF			1-1/2" x 9-1/2" Custom Shaped White Pine.....	60.36	1.90
06 46 36 00-0636	LF			1-1/2" x 10-1/2" Custom Shaped White Pine.....	64.87	2.03
06 46 36 00-0637	LF			1-1/2" x 11-1/2" Custom Shaped White Pine.....	70.37	2.03
06 46 36 00-0638	LF			2" x 1-1/2" Custom Shaped White Pine.....	23.74	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	33.26	1.53
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	42.77	1.53
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	52.41	1.65
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	61.93	1.65
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	71.69	1.78
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	81.21	1.78
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	90.86	1.90
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	100.37	1.90
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	109.89	2.03
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	119.67	2.16
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	28.28	1.53
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	40.01	1.53
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	51.74	1.65
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	63.58	1.65
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	75.32	1.65
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	87.28	1.78
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	99.02	1.90
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	110.87	1.90
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	122.59	2.03
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	134.32	2.03
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	146.31	2.16
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	71.75	1.65
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	88.56	1.65
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	105.26	1.78
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	122.22	1.90
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	138.91	1.90
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	155.73	2.03
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	172.43	2.03
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	189.13	2.03
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	206.08	2.16

06 46 36 00-0669 Clear Yellow Pine (06 46 36)

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.68	1.40
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	7.92	1.40
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.18	1.40
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.42	1.53
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	11.82	1.53
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	13.20	1.65
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	14.44	1.65
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.71	1.65
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.64	1.40
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.32	1.40
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	10.97	1.53
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.65	1.53
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	14.42	1.65
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	16.26	1.65
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	18.42	1.65
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	20.20	1.78
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	8.83	1.40
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	10.97	1.53
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	13.09	1.53
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	15.22	1.65
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	17.37	1.65
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	19.77	1.78
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	21.89	1.78
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	24.06	1.90
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	27.77	1.90
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	28.63	2.03

06 46 36 00-0696 Poplar (06 46 36)

06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	7.01	1.40
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.42	1.40
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	9.84	1.40
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.25	1.53
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	12.81	1.53
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	14.36	1.65
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	15.76	1.65
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	17.20	1.65
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	18.54	1.78
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	20.13	1.90
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	21.72	1.90
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	8.08	1.40
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	9.93	1.40
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	11.79	1.53
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	13.65	1.53
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	15.69	1.65
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	17.70	1.65
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	19.53	1.65
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	21.41	1.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0716 LF 1" x 9-1/2" Custom Shaped Poplar	23.26	1.78
06 46 36 00-0717 LF 1" x 10-1/2" Custom Shaped Poplar	25.29	1.90
06 46 36 00-0718 LF 1" x 11-1/2" Custom Shaped Poplar	27.20	1.90
06 46 36 00-0719 LF 1-1/4" x 1-1/2" Custom Shaped Poplar	9.04	1.40
06 46 36 00-0720 LF 1-1/4" x 2-1/2" Custom Shaped Poplar	11.33	1.40
06 46 36 00-0721 LF 1-1/4" x 3-1/2" Custom Shaped Poplar	13.63	1.53
06 46 36 00-0722 LF 1-1/4" x 4-1/2" Custom Shaped Poplar	15.92	1.53
06 46 36 00-0723 LF 1-1/4" x 5-1/2" Custom Shaped Poplar	18.36	1.65
06 46 36 00-0724 LF 1-1/4" x 6-1/2" Custom Shaped Poplar	20.80	1.65
06 46 36 00-0725 LF 1-1/4" x 7-1/2" Custom Shaped Poplar	23.08	1.78
06 46 36 00-0726 LF 1-1/4" x 8-1/2" Custom Shaped Poplar	25.41	1.78
06 46 36 00-0727 LF 1-1/4" x 9-1/2" Custom Shaped Poplar	27.64	1.78
06 46 36 00-0728 LF 1-1/4" x 10-1/2" Custom Shaped Poplar	30.11	1.90
06 46 36 00-0729 LF 1-1/4" x 11-1/2" Custom Shaped Poplar	32.46	2.03
06 46 36 00-0730 LF 1-1/2" x 1-1/2" Custom Shaped Poplar	11.26	1.40
06 46 36 00-0731 LF 1-1/2" x 2-1/2" Custom Shaped Poplar	14.61	1.53
06 46 36 00-0732 LF 1-1/2" x 3-1/2" Custom Shaped Poplar	17.95	1.53
06 46 36 00-0733 LF 1-1/2" x 4-1/2" Custom Shaped Poplar	21.30	1.65
06 46 36 00-0734 LF 1-1/2" x 5-1/2" Custom Shaped Poplar	24.66	1.65
06 46 36 00-0735 LF 1-1/2" x 6-1/2" Custom Shaped Poplar	28.28	1.78
06 46 36 00-0736 LF 1-1/2" x 7-1/2" Custom Shaped Poplar	31.61	1.78
06 46 36 00-0737 LF 1-1/2" x 8-1/2" Custom Shaped Poplar	34.99	1.90
06 46 36 00-0738 LF 1-1/2" x 9-1/2" Custom Shaped Poplar	38.27	1.90
06 46 36 00-0739 LF 1-1/2" x 10-1/2" Custom Shaped Poplar	41.78	2.03
06 46 36 00-0740 LF 1-1/2" x 11-1/2" Custom Shaped Poplar	45.18	2.03
06 46 36 00-0741 LF 2" x 1-1/2" Custom Shaped Poplar	14.63	1.53
06 46 36 00-0742 LF 2" x 2-1/2" Custom Shaped Poplar	19.62	1.53
06 46 36 00-0743 LF 2" x 3-1/2" Custom Shaped Poplar	24.54	1.53
06 46 36 00-0744 LF 2" x 4-1/2" Custom Shaped Poplar	29.65	1.65
06 46 36 00-0745 LF 2" x 5-1/2" Custom Shaped Poplar	34.59	1.65
06 46 36 00-0746 LF 2" x 6-1/2" Custom Shaped Poplar	39.82	1.78
06 46 36 00-0747 LF 2" x 7-1/2" Custom Shaped Poplar	44.75	1.78
06 46 36 00-0748 LF 2" x 8-1/2" Custom Shaped Poplar	49.87	1.90
06 46 36 00-0749 LF 2" x 9-1/2" Custom Shaped Poplar	54.80	1.90
06 46 36 00-0750 LF 2" x 10-1/2" Custom Shaped Poplar	59.79	2.03
06 46 36 00-0751 LF 2" x 11-1/2" Custom Shaped Poplar	64.99	2.16
06 46 36 00-0752 LF 2-1/2" x 1-1/2" Custom Shaped Poplar	18.00	1.53
06 46 36 00-0753 LF 2-1/2" x 2-1/2" Custom Shaped Poplar	24.60	1.53
06 46 36 00-0754 LF 2-1/2" x 3-1/2" Custom Shaped Poplar	31.19	1.65
06 46 36 00-0755 LF 2-1/2" x 4-1/2" Custom Shaped Poplar	37.89	1.65
06 46 36 00-0756 LF 2-1/2" x 5-1/2" Custom Shaped Poplar	44.49	1.65
06 46 36 00-0757 LF 2-1/2" x 6-1/2" Custom Shaped Poplar	51.33	1.78
06 46 36 00-0758 LF 2-1/2" x 7-1/2" Custom Shaped Poplar	57.93	1.90
06 46 36 00-0759 LF 2-1/2" x 8-1/2" Custom Shaped Poplar	64.64	1.90
06 46 36 00-0760 LF 2-1/2" x 9-1/2" Custom Shaped Poplar	71.22	2.03
06 46 36 00-0761 LF 2-1/2" x 10-1/2" Custom Shaped Poplar	77.82	2.03
06 46 36 00-0762 LF 2-1/2" x 11-1/2" Custom Shaped Poplar	84.67	2.16
06 46 36 00-0763 LF 3-1/2" x 3-1/2" Custom Shaped Poplar	42.59	1.65
06 46 36 00-0764 LF 3-1/2" x 4-1/2" Custom Shaped Poplar	52.11	1.65
06 46 36 00-0765 LF 3-1/2" x 5-1/2" Custom Shaped Poplar	61.52	1.78
06 46 36 00-0766 LF 3-1/2" x 6-1/2" Custom Shaped Poplar	71.30	1.90
06 46 36 00-0767 LF 3-1/2" x 7-1/2" Custom Shaped Poplar	80.58	1.90
06 46 36 00-0768 LF 3-1/2" x 8-1/2" Custom Shaped Poplar	90.11	2.03
06 46 36 00-0769 LF 3-1/2" x 9-1/2" Custom Shaped Poplar	99.52	2.03
06 46 36 00-0770 LF 3-1/2" x 10-1/2" Custom Shaped Poplar	108.93	2.03
06 46 36 00-0771 LF 3-1/2" x 11-1/2" Custom Shaped Poplar	118.59	2.16
06 46 36 00-0772 Clear Heart Redwood <small>(06 46 36)</small>		
06 46 36 00-0773 LF 3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.56	1.40
06 46 36 00-0774 LF 3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.74	1.40
06 46 36 00-0775 LF 3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	12.93	1.40
06 46 36 00-0776 LF 3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	15.12	1.53
06 46 36 00-0777 LF 3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	17.45	1.53
06 46 36 00-0778 LF 3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	19.78	1.65
06 46 36 00-0779 LF 3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	24.16	1.65
06 46 36 00-0780 LF 3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	26.65	1.65
06 46 36 00-0781 LF 3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	26.77	1.78
06 46 36 00-0782 LF 3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	28.64	1.90
06 46 36 00-0783 LF 1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.29	1.40
06 46 36 00-0784 LF 1" x 2-1/2" Custom Shaped Clear Heart Redwood	13.25	1.40
06 46 36 00-0785 LF 1" x 3-1/2" Custom Shaped Clear Heart Redwood	16.21	1.53
06 46 36 00-0786 LF 1" x 4-1/2" Custom Shaped Clear Heart Redwood	19.17	1.53
06 46 36 00-0787 LF 1" x 5-1/2" Custom Shaped Clear Heart Redwood	22.32	1.65
06 46 36 00-0788 LF 1" x 6-1/2" Custom Shaped Clear Heart Redwood	25.43	1.65
06 46 36 00-0789 LF 1" x 7-1/2" Custom Shaped Clear Heart Redwood	32.23	1.65
06 46 36 00-0790 LF 1" x 8-1/2" Custom Shaped Clear Heart Redwood	35.72	1.78
06 46 36 00-0791 LF 1" x 9-1/2" Custom Shaped Clear Heart Redwood	39.11	1.78
06 46 36 00-0792 LF 1" x 10-1/2" Custom Shaped Clear Heart Redwood	42.74	1.90
06 46 36 00-0793 LF 1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	13.47	1.40
06 46 36 00-0794 LF 1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	17.92	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0795	LF		1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood.....	22.37	1.53
06 46 36 00-0796	LF		1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood.....	26.82	1.65
06 46 36 00-0797	LF		1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood.....	31.29	1.65
06 46 36 00-0798	LF		1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood.....	36.12	1.78
06 46 36 00-0799	LF		1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood.....	48.40	1.78
06 46 36 00-0800	LF		1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood.....	53.88	1.90
06 46 36 00-0801	LF		1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood.....	63.67	1.90
06 46 36 00-0802	LF		1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood.....	69.73	2.03
06 46 36 00-0803	LF		3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood.....	67.33	1.65
06 46 36 00-0804	LF		3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood.....	83.04	1.65
06 46 36 00-0805	LF		3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood.....	98.63	1.78
06 46 36 00-0806	LF		3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood.....	114.49	1.90
06 46 36 00-0807	LF		3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood.....	130.07	1.90
06 46 36 00-0808	LF		3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood.....	145.79	2.03
06 46 36 00-0809	LF		3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood.....	161.39	2.03
06 46 36 00-0810	LF		3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood.....	176.98	2.03
06 46 36 00-0811	LF		3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood.....	192.83	2.16
06 46 36 00-0812 Teak <small>(06 46 36)</small>					
06 46 36 00-0813	LF		3/4" x 1-1/2" Custom Shaped Teak.....	23.36	1.40
06 46 36 00-0814	LF		3/4" x 2-1/2" Custom Shaped Teak.....	32.95	1.40
06 46 36 00-0815	LF		3/4" x 3-1/2" Custom Shaped Teak.....	42.54	1.40
06 46 36 00-0816	LF		3/4" x 4-1/2" Custom Shaped Teak.....	52.13	1.53
06 46 36 00-0817	LF		3/4" x 5-1/2" Custom Shaped Teak.....	61.86	1.53
06 46 36 00-0818	LF		3/4" x 6-1/2" Custom Shaped Teak.....	71.59	1.65
06 46 36 00-0819	LF		3/4" x 7-1/2" Custom Shaped Teak.....	81.16	1.65
06 46 36 00-0820	LF		3/4" x 8-1/2" Custom Shaped Teak.....	90.78	1.65
06 46 36 00-0821	LF		3/4" x 9-1/2" Custom Shaped Teak.....	100.29	1.78
06 46 36 00-0822	LF		3/4" x 10-1/2" Custom Shaped Teak.....	110.06	1.90
06 46 36 00-0823	LF		3/4" x 11-1/2" Custom Shaped Teak.....	119.70	1.90
06 46 36 00-0824	LF		1-1/2" x 1-1/2" Custom Shaped Teak.....	53.68	1.40
06 46 36 00-0825	LF		1-1/2" x 2-1/2" Custom Shaped Teak.....	61.67	1.53
06 46 36 00-0826	LF		1-1/2" x 3-1/2" Custom Shaped Teak.....	80.70	1.53
06 46 36 00-0827	LF		1-1/2" x 4-1/2" Custom Shaped Teak.....	99.73	1.65
06 46 36 00-0828	LF		1-1/2" x 5-1/2" Custom Shaped Teak.....	118.78	1.65
06 46 36 00-0829	LF		1-1/2" x 6-1/2" Custom Shaped Teak.....	137.53	1.78
06 46 36 00-0830	LF		1-1/2" x 7-1/2" Custom Shaped Teak.....	157.10	1.78
06 46 36 00-0831	LF		1-1/2" x 8-1/2" Custom Shaped Teak.....	176.17	1.90
06 46 36 00-0832	LF		1-1/2" x 9-1/2" Custom Shaped Teak.....	195.13	1.90
06 46 36 00-0833	LF		1-1/2" x 10-1/2" Custom Shaped Teak.....	214.33	2.03
06 46 36 00-0834	LF		1-1/2" x 11-1/2" Custom Shaped Teak.....	233.42	2.03
06 46 36 00-0835 Walnut <small>(06 46 36)</small>					
06 46 36 00-0836	LF		3/4" x 1-1/2" Custom Shaped Walnut.....	12.87	1.40
06 46 36 00-0837	LF		3/4" x 2-1/2" Custom Shaped Walnut.....	17.20	1.40
06 46 36 00-0838	LF		3/4" x 3-1/2" Custom Shaped Walnut.....	21.55	1.40
06 46 36 00-0839	LF		3/4" x 4-1/2" Custom Shaped Walnut.....	25.89	1.53
06 46 36 00-0840	LF		3/4" x 5-1/2" Custom Shaped Walnut.....	30.38	1.53
06 46 36 00-0841	LF		3/4" x 6-1/2" Custom Shaped Walnut.....	34.85	1.65
06 46 36 00-0842	LF		3/4" x 7-1/2" Custom Shaped Walnut.....	39.18	1.65
06 46 36 00-0843	LF		3/4" x 8-1/2" Custom Shaped Walnut.....	43.55	1.65
06 46 36 00-0844	LF		3/4" x 9-1/2" Custom Shaped Walnut.....	47.82	1.78
06 46 36 00-0845	LF		3/4" x 10-1/2" Custom Shaped Walnut.....	52.34	1.90
06 46 36 00-0846	LF		3/4" x 11-1/2" Custom Shaped Walnut.....	56.73	1.90
06 46 36 00-0847	LF		1" x 1-1/2" Custom Shaped Walnut.....	15.37	1.40
06 46 36 00-0848	LF		1" x 2-1/2" Custom Shaped Walnut.....	20.92	1.40
06 46 36 00-0849	LF		1" x 3-1/2" Custom Shaped Walnut.....	26.43	1.53
06 46 36 00-0850	LF		1" x 4-1/2" Custom Shaped Walnut.....	31.98	1.53
06 46 36 00-0851	LF		1" x 5-1/2" Custom Shaped Walnut.....	37.62	1.65
06 46 36 00-0852	LF		1" x 6-1/2" Custom Shaped Walnut.....	43.32	1.65
06 46 36 00-0853	LF		1" x 7-1/2" Custom Shaped Walnut.....	48.80	1.65
06 46 36 00-0854	LF		1" x 8-1/2" Custom Shaped Walnut.....	54.39	1.78
06 46 36 00-0855	LF		1" x 9-1/2" Custom Shaped Walnut.....	59.82	1.78
06 46 36 00-0856	LF		1" x 10-1/2" Custom Shaped Walnut.....	65.56	1.90
06 46 36 00-0857	LF		1" x 11-1/2" Custom Shaped Walnut.....	71.11	1.90
06 46 36 00-0858	LF		1-1/4" x 1-1/2" Custom Shaped Walnut.....	18.81	1.40
06 46 36 00-0859	LF		1-1/4" x 2-1/2" Custom Shaped Walnut.....	26.02	1.40
06 46 36 00-0860	LF		1-1/4" x 3-1/2" Custom Shaped Walnut.....	33.18	1.53
06 46 36 00-0861	LF		1-1/4" x 4-1/2" Custom Shaped Walnut.....	40.39	1.53
06 46 36 00-0862	LF		1-1/4" x 5-1/2" Custom Shaped Walnut.....	47.69	1.65
06 46 36 00-0863	LF		1-1/4" x 6-1/2" Custom Shaped Walnut.....	55.04	1.65
06 46 36 00-0864	LF		1-1/4" x 7-1/2" Custom Shaped Walnut.....	62.19	1.78
06 46 36 00-0865	LF		1-1/4" x 8-1/2" Custom Shaped Walnut.....	69.43	1.78
06 46 36 00-0866	LF		1-1/4" x 9-1/2" Custom Shaped Walnut.....	76.52	1.78
06 46 36 00-0867	LF		1-1/4" x 10-1/2" Custom Shaped Walnut.....	83.90	1.90
06 46 36 00-0868	LF		1-1/4" x 11-1/2" Custom Shaped Walnut.....	91.12	2.03
06 46 36 00-0869	LF		1-1/2" x 1-1/2" Custom Shaped Walnut.....	25.40	1.40
06 46 36 00-0870	LF		1-1/2" x 2-1/2" Custom Shaped Walnut.....	35.82	1.53
06 46 36 00-0871	LF		1-1/2" x 3-1/2" Custom Shaped Walnut.....	46.23	1.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0872 LF 1-1/2" x 4-1/2" Custom Shaped Walnut	56.65	1.65
06 46 36 00-0873 LF 1-1/2" x 5-1/2" Custom Shaped Walnut	67.08	1.65
06 46 36 00-0874 LF 1-1/2" x 6-1/2" Custom Shaped Walnut	77.77	1.78
06 46 36 00-0875 LF 1-1/2" x 7-1/2" Custom Shaped Walnut	88.17	1.78
06 46 36 00-0876 LF 1-1/2" x 8-1/2" Custom Shaped Walnut	98.62	1.90
06 46 36 00-0877 LF 1-1/2" x 9-1/2" Custom Shaped Walnut	110.07	1.90
06 46 36 00-0878 LF 1-1/2" x 10-1/2" Custom Shaped Walnut	119.55	2.03
06 46 36 00-0879 LF 1-1/2" x 11-1/2" Custom Shaped Walnut	130.02	2.03
06 46 36 00-0880 LF 2" x 1-1/2" Custom Shaped Walnut	42.52	1.53
06 46 36 00-0881 LF 2" x 2-1/2" Custom Shaped Walnut	61.43	1.53
06 46 36 00-0882 LF 2" x 3-1/2" Custom Shaped Walnut	80.33	1.53
06 46 36 00-0883 LF 2" x 4-1/2" Custom Shaped Walnut	99.36	1.65
06 46 36 00-0884 LF 2" x 5-1/2" Custom Shaped Walnut	118.27	1.65
06 46 36 00-0885 LF 2" x 6-1/2" Custom Shaped Walnut	137.42	1.78
06 46 36 00-0886 LF 2" x 7-1/2" Custom Shaped Walnut	156.33	1.78
06 46 36 00-0887 LF 2" x 8-1/2" Custom Shaped Walnut	175.37	1.90
06 46 36 00-0888 LF 2" x 9-1/2" Custom Shaped Walnut	194.27	1.90
06 46 36 00-0889 LF 2" x 10-1/2" Custom Shaped Walnut	213.18	2.03
06 46 36 00-0890 LF 2" x 11-1/2" Custom Shaped Walnut	232.35	2.16
06 46 36 00-0891 LF 2-1/2" x 1-1/2" Custom Shaped Walnut	53.13	1.53
06 46 36 00-0892 LF 2-1/2" x 2-1/2" Custom Shaped Walnut	77.29	1.53
06 46 36 00-0893 LF 2-1/2" x 3-1/2" Custom Shaped Walnut	101.45	1.65
06 46 36 00-0894 LF 2-1/2" x 4-1/2" Custom Shaped Walnut	125.71	1.65
06 46 36 00-0895 LF 2-1/2" x 5-1/2" Custom Shaped Walnut	149.88	1.65
06 46 36 00-0896 LF 2-1/2" x 6-1/2" Custom Shaped Walnut	174.28	1.78
06 46 36 00-0897 LF 2-1/2" x 7-1/2" Custom Shaped Walnut	198.45	1.90
06 46 36 00-0898 LF 2-1/2" x 8-1/2" Custom Shaped Walnut	222.72	1.90
06 46 36 00-0899 LF 2-1/2" x 9-1/2" Custom Shaped Walnut	246.87	2.03
06 46 36 00-0900 LF 2-1/2" x 10-1/2" Custom Shaped Walnut	271.03	2.03
06 46 36 00-0901 LF 2-1/2" x 11-1/2" Custom Shaped Walnut	295.44	2.16

06 48 Wood Frames (06 40)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)

06 48 13 00-0001 Exterior Door Frames (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002 EA 3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	358.40	71.99
<i>For Birch, Add</i>	75.09	
<i>For Mahogany, Add</i>	182.36	
06 48 13 00-0003 EA 3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	376.90	75.45
<i>For Birch, Add</i>	79.34	
<i>For Mahogany, Add</i>	192.68	
06 48 13 00-0004 EA 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	395.42	78.38
<i>For Birch, Add</i>	83.58	
<i>For Mahogany, Add</i>	202.98	
06 48 13 00-0005 EA 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	430.89	83.88
<i>For Birch, Add</i>	92.06	
<i>For Mahogany, Add</i>	223.58	
06 48 13 00-0006 EA 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	467.13	89.90
<i>For Birch, Add</i>	100.56	
<i>For Mahogany, Add</i>	244.21	
06 48 13 00-0007 EA 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	538.56	72.24
06 48 13 00-0008 EA 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	548.21	75.45
06 48 13 00-0009 EA 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	557.82	78.65
06 48 13 00-0010 EA 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	574.61	83.76
06 48 13 00-0011 EA 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	594.05	90.15
06 48 13 00-0012 EA 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	420.54	72.24
06 48 13 00-0013 EA 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	440.84	75.45
06 48 13 00-0014 EA 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	461.25	78.65
06 48 13 00-0015 EA 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	499.32	83.76
06 48 13 00-0016 EA 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	539.94	90.15

06 48 16 Interior Wood Door Frames (06 48)

06 48 16 00-0001 Interior Door Frames (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002 EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	179.54	34.27
<i>For Oak Or Maple, Add</i>	34.42	
<i>For Birch, Add</i>	38.86	
<i>For Mahogany, Add</i>	94.38	
<i>For Walnut Frame, Add</i>	49.97	
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	180.81	34.40
<i>For Oak Or Maple, Add</i>	34.71	
<i>For Birch, Add</i>	39.19	
<i>For Mahogany, Add</i>	95.17	
<i>For Walnut Frame, Add</i>	50.39	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 48 Wood Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA		2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	183.00	35.04
			<i>For Oak Or Maple, Add</i>	34.97	
			<i>For Birch, Add</i>	39.49	
			<i>For Mahogany, Add</i>	95.90	
			<i>For Walnut Frame, Add</i>	50.77	
06 48 16 00-0005	EA		3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	185.86	35.93
			<i>For Oak Or Maple, Add</i>	35.32	
			<i>For Birch, Add</i>	39.88	
			<i>For Mahogany, Add</i>	96.84	
			<i>For Walnut Frame, Add</i>	51.27	
06 48 16 00-0006	EA		3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	190.12	36.83
			<i>For Oak Or Maple, Add</i>	36.07	
			<i>For Birch, Add</i>	40.72	
			<i>For Mahogany, Add</i>	98.89	
			<i>For Walnut Frame, Add</i>	52.35	
06 48 16 00-0007	EA		4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	200.81	39.13
			<i>For Oak Or Maple, Add</i>	37.97	
			<i>For Birch, Add</i>	42.87	
			<i>For Mahogany, Add</i>	104.12	
			<i>For Walnut Frame, Add</i>	55.12	
06 48 16 00-0008	EA		5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	213.39	42.33
			<i>For Oak Or Maple, Add</i>	39.89	
			<i>For Birch, Add</i>	45.03	
			<i>For Mahogany, Add</i>	109.37	
			<i>For Walnut Frame, Add</i>	57.90	
06 48 16 00-0009	EA		6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	224.73	45.01
			<i>For Oak Or Maple, Add</i>	41.79	
			<i>For Birch, Add</i>	47.19	
			<i>For Mahogany, Add</i>	114.60	
			<i>For Walnut Frame, Add</i>	60.67	
06 48 16 00-0010	LF		4-9/16", Pine Interior Door Frame	8.17	3.06
			<i>For Oak Or Maple, Add</i>	0.63	
			<i>For Birch, Add</i>	0.71	
			<i>For Mahogany, Add</i>	1.73	
			<i>For Walnut Frame, Add</i>	0.91	

06 49 Wood Screens and Exterior Wood Shutters (06 40)**06 49 19 Exterior Wood Shutters** (06 49)

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics (06)**06 51 Structural Plastic Shapes and Plates** (06 50)**06 51 13 Plastic Lumber** (06 51)**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber** (06 51 13)

06 51 13 00-0002	LF		2" x 6", Beam Or Girder, Recycled Plastic Lumber	11.79	2.06
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.27	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.80	
			<i>For White Color, Add</i>	3.76	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.19	
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber	14.98	2.24
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.35	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.06	
			<i>For White Color, Add</i>	5.00	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.24	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber	17.86	2.41
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.33	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.30	
			<i>For White Color, Add</i>	6.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.19	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber	25.94	2.86
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.08	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.97	
			<i>For White Color, Add</i>	9.29	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.87	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber	31.01	3.23
			<i>For Reinforced Structural Plastic Lumber, Add</i>	9.77	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.38	
			<i>For White Color, Add</i>	11.22	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.50	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber	16.96	2.78
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.81	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.17	
			<i>For White Color, Add</i>	5.52	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0008 LF 4" x 6", Beam Or Girder, Recycled Plastic Lumber.....	22.68	2.95
For Reinforced Structural Plastic Lumber, Add	6.83	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.66	
For White Color, Add	7.85	
For All Other Colors (Except Black, Brown Or White), Add	6.65	
06 51 13 00-0009 LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	23.60	3.04
For Reinforced Structural Plastic Lumber, Add	7.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.73	
For White Color, Add	8.18	
For All Other Colors (Except Black, Brown Or White), Add	6.93	
06 51 13 00-0010 LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	32.37	3.31
For Reinforced Structural Plastic Lumber, Add	10.22	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.49	
For White Color, Add	11.74	
For All Other Colors (Except Black, Brown Or White), Add	9.95	
06 51 13 00-0011 LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	43.92	3.49
For Reinforced Structural Plastic Lumber, Add	14.40	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.50	
For White Color, Add	16.55	
For All Other Colors (Except Black, Brown Or White), Add	14.01	
06 51 13 00-0012 Joists, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0013 LF 2" x 4", Joist, Recycled Plastic Lumber.....	7.63	1.15
For Reinforced Structural Plastic Lumber, Add	2.21	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.54	
For White Color, Add	2.54	
For All Other Colors (Except Black, Brown Or White), Add	2.15	
06 51 13 00-0014 LF 2" x 6", Joist, Recycled Plastic Lumber.....	10.51	1.22
For Reinforced Structural Plastic Lumber, Add	3.27	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.80	
For White Color, Add	3.76	
For All Other Colors (Except Black, Brown Or White), Add	3.19	
06 51 13 00-0015 LF 2" x 8", Joist, Recycled Plastic Lumber.....	13.69	1.34
For Reinforced Structural Plastic Lumber, Add	4.35	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.06	
For White Color, Add	5.00	
For All Other Colors (Except Black, Brown Or White), Add	4.24	
06 51 13 00-0016 LF 2" x 10", Joist, Recycled Plastic Lumber.....	16.71	1.61
For Reinforced Structural Plastic Lumber, Add	5.33	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.19	
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber.....	24.54	1.88
For Reinforced Structural Plastic Lumber, Add	8.08	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.97	
For White Color, Add	9.29	
For All Other Colors (Except Black, Brown Or White), Add	7.87	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber.....	29.86	2.41
For Reinforced Structural Plastic Lumber, Add	9.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.38	
For White Color, Add	11.22	
For All Other Colors (Except Black, Brown Or White), Add	9.50	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber.....	15.41	1.70
For Reinforced Structural Plastic Lumber, Add	4.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.17	
For White Color, Add	5.52	
For All Other Colors (Except Black, Brown Or White), Add	4.68	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber.....	21.02	1.79
For Reinforced Structural Plastic Lumber, Add	6.83	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.66	
For White Color, Add	7.85	
For All Other Colors (Except Black, Brown Or White), Add	6.65	
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber.....	22.06	1.97
For Reinforced Structural Plastic Lumber, Add	7.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.73	
For White Color, Add	8.18	
For All Other Colors (Except Black, Brown Or White), Add	6.93	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber.....	30.83	2.24
For Reinforced Structural Plastic Lumber, Add	10.22	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.49	
For White Color, Add	11.74	
For All Other Colors (Except Black, Brown Or White), Add	9.95	
06 51 13 00-0023 LF 6" x 8", Joist, Recycled Plastic Lumber.....	42.39	2.41
For Reinforced Structural Plastic Lumber, Add	14.40	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.50	
For White Color, Add	16.55	
For All Other Colors (Except Black, Brown Or White), Add	14.01	
06 51 13 00-0024 Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025 LF 4" x 4", Column, Recycled Plastic Lumber.....	18.24	3.67
For Reinforced Structural Plastic Lumber, Add	4.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.17	
For White Color, Add	5.52	
For All Other Colors (Except Black, Brown Or White), Add	4.68	
06 51 13 00-0026 LF 4" x 6", Column, Recycled Plastic Lumber.....	25.88	5.19
For Reinforced Structural Plastic Lumber, Add	6.83	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.66	
For White Color, Add	7.85	
For All Other Colors (Except Black, Brown Or White), Add	6.65	
06 51 13 00-0027 LF 5" x 5", Column, Recycled Plastic Lumber.....	27.57	5.82
For Reinforced Structural Plastic Lumber, Add	7.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.73	
For White Color, Add	8.18	
For All Other Colors (Except Black, Brown Or White), Add	6.93	
06 51 13 00-0028 LF 6" x 6", Column, Recycled Plastic Lumber.....	37.09	6.62
For Reinforced Structural Plastic Lumber, Add	10.22	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.49	
For White Color, Add	11.74	
For All Other Colors (Except Black, Brown Or White), Add	9.95	
06 51 13 00-0029 LF 6" x 8", Column, Recycled Plastic Lumber.....	50.57	8.15
For Reinforced Structural Plastic Lumber, Add	14.40	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.50	
For White Color, Add	16.55	
For All Other Colors (Except Black, Brown Or White), Add	14.01	
06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0031 LF 2" x 3", Walls, Recycled Plastic Lumber.....	6.88	1.15
For Reinforced Structural Plastic Lumber, Add	1.93	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.22	
For All Other Colors (Except Black, Brown Or White), Add	1.88	
06 51 13 00-0032 LF 2" x 4", Walls, Recycled Plastic Lumber.....	7.89	1.34
For Reinforced Structural Plastic Lumber, Add	2.21	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.54	
For White Color, Add	2.54	
For All Other Colors (Except Black, Brown Or White), Add	2.15	
06 51 13 00-0033 LF 2" x 6", Walls, Recycled Plastic Lumber.....	10.90	1.43
For Reinforced Structural Plastic Lumber, Add	3.27	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.80	
For White Color, Add	3.76	
For All Other Colors (Except Black, Brown Or White), Add	3.19	
06 51 13 00-0034 LF 2" x 8", Walls, Recycled Plastic Lumber.....	13.94	1.52
For Reinforced Structural Plastic Lumber, Add	4.35	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.06	
For White Color, Add	5.00	
For All Other Colors (Except Black, Brown Or White), Add	4.24	
06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0036 LF 5/4" x 4", Other Shapes, Recycled Plastic Lumber.....	6.70	1.02
For Reinforced Structural Plastic Lumber, Add	1.90	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.46	
For White Color, Add	2.18	
For All Other Colors (Except Black, Brown Or White), Add	1.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0037 LF 5/4" x 6", Other Shapes, Recycled Plastic Lumber	8.48	1.15
For Reinforced Structural Plastic Lumber, Add	2.52	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.61	
For White Color, Add	2.90	
For All Other Colors (Except Black, Brown Or White), Add	2.46	
06 51 13 00-0038 LF 5/4" x 8", Recycled Plastic Lumber	11.02	1.15
For Reinforced Structural Plastic Lumber, Add	3.46	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.84	
For White Color, Add	3.98	
For All Other Colors (Except Black, Brown Or White), Add	3.37	
06 51 13 00-0039 LF 1" x 4", Other Shapes, Recycled Plastic Lumber	6.74	1.02
For Reinforced Structural Plastic Lumber, Add	1.92	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.20	
For All Other Colors (Except Black, Brown Or White), Add	1.86	
06 51 13 00-0040 LF 1" x 6", Other Shapes, Recycled Plastic Lumber	7.44	1.15
For Reinforced Structural Plastic Lumber, Add	2.14	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.52	
For White Color, Add	2.46	
For All Other Colors (Except Black, Brown Or White), Add	2.08	
06 51 13 00-0041 LF 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	7.57	1.15
For Reinforced Structural Plastic Lumber, Add	2.19	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.53	
For White Color, Add	2.51	
For All Other Colors (Except Black, Brown Or White), Add	2.13	
06 51 13 00-0042 LF 2" x 2", Other Shapes, Recycled Plastic Lumber	4.71	0.98
For Reinforced Structural Plastic Lumber, Add	1.22	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.30	
For White Color, Add	1.40	
For All Other Colors (Except Black, Brown Or White), Add	1.19	
06 51 13 00-0043 LF 2" x 3", Other Shapes, Recycled Plastic Lumber	6.88	1.15
For Reinforced Structural Plastic Lumber, Add	1.93	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.22	
For All Other Colors (Except Black, Brown Or White), Add	1.88	
06 51 13 00-0044 LF 2" x 4", Other Shapes, Recycled Plastic Lumber	7.89	1.34
For Reinforced Structural Plastic Lumber, Add	2.21	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.54	
For White Color, Add	2.54	
For All Other Colors (Except Black, Brown Or White), Add	2.15	
06 51 13 00-0045 LF 2" x 6", Other Shapes, Recycled Plastic Lumber	10.90	1.43
For Reinforced Structural Plastic Lumber, Add	3.27	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.80	
For White Color, Add	3.76	
For All Other Colors (Except Black, Brown Or White), Add	3.19	
06 51 13 00-0046 LF 2" x 8", Other Shapes, Recycled Plastic Lumber	13.94	1.52
For Reinforced Structural Plastic Lumber, Add	4.35	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.06	
For White Color, Add	5.00	
For All Other Colors (Except Black, Brown Or White), Add	4.24	
06 51 13 00-0047 LF 2" x 10", Other Shapes, Recycled Plastic Lumber	16.71	1.61
For Reinforced Structural Plastic Lumber, Add	5.33	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.19	
06 51 13 00-0048 LF 2" x 12", Other Shapes, Recycled Plastic Lumber	20.13	1.70
For Reinforced Structural Plastic Lumber, Add	6.56	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.59	
For White Color, Add	7.53	
For All Other Colors (Except Black, Brown Or White), Add	6.38	
06 51 13 00-0049 LF 3" x 4", Other Shapes, Recycled Plastic Lumber	11.22	1.56
For Reinforced Structural Plastic Lumber, Add	3.32	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.81	
For White Color, Add	3.82	
For All Other Colors (Except Black, Brown Or White), Add	3.23	
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber	16.32	1.67
For Reinforced Structural Plastic Lumber, Add	5.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.25	
For White Color, Add	5.92	
For All Other Colors (Except Black, Brown Or White), Add	5.02	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber	21.18	1.79
For Reinforced Structural Plastic Lumber, Add	6.90	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.68	
For White Color, Add	7.92	
For All Other Colors (Except Black, Brown Or White), Add	6.71	
06 51 13 00-0052 LF 3" x 10", Other Shapes, Recycled Plastic Lumber	24.54	1.88
For Reinforced Structural Plastic Lumber, Add	8.08	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.97	
For White Color, Add	9.29	
For All Other Colors (Except Black, Brown Or White), Add	7.87	
06 51 13 00-0053 LF 3" x 12", Other Shapes, Recycled Plastic Lumber	29.86	2.41
For Reinforced Structural Plastic Lumber, Add	9.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.38	
For White Color, Add	11.22	
For All Other Colors (Except Black, Brown Or White), Add	9.50	
06 51 13 00-0054 LF 4" x 4", Other Shapes, Recycled Plastic Lumber	15.41	1.70
For Reinforced Structural Plastic Lumber, Add	4.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.17	
For White Color, Add	5.52	
For All Other Colors (Except Black, Brown Or White), Add	4.68	
06 51 13 00-0055 LF 4" x 6", Other Shapes, Recycled Plastic Lumber	21.02	1.79
For Reinforced Structural Plastic Lumber, Add	6.83	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.66	
For White Color, Add	7.85	
For All Other Colors (Except Black, Brown Or White), Add	6.65	
06 51 13 00-0056 LF 4" x 8", Other Shapes, Recycled Plastic Lumber	28.16	1.95
For Reinforced Structural Plastic Lumber, Add	9.39	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.29	
For White Color, Add	10.79	
For All Other Colors (Except Black, Brown Or White), Add	9.14	
06 51 13 00-0057 LF 5" x 5", Other Shapes, Recycled Plastic Lumber	22.06	1.97
For Reinforced Structural Plastic Lumber, Add	7.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.73	
For White Color, Add	8.18	
For All Other Colors (Except Black, Brown Or White), Add	6.93	
06 51 13 00-0058 LF 6" x 6", Other Shapes, Recycled Plastic Lumber	30.83	2.24
For Reinforced Structural Plastic Lumber, Add	10.22	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.49	
For White Color, Add	11.74	
For All Other Colors (Except Black, Brown Or White), Add	9.95	
06 51 13 00-0059 LF 6" x 8", Other Shapes, Recycled Plastic Lumber	42.39	2.41
For Reinforced Structural Plastic Lumber, Add	14.40	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.50	
For White Color, Add	16.55	
For All Other Colors (Except Black, Brown Or White), Add	14.01	
06 51 13 00-0060 LF 6" x 12", Other Shapes, Recycled Plastic Lumber	59.70	2.69
For Reinforced Structural Plastic Lumber, Add	20.67	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	5.03	
For White Color, Add	23.74	
For All Other Colors (Except Black, Brown Or White), Add	20.11	
06 51 13 00-0061 LF 8" x 8", Other Shapes, Recycled Plastic Lumber	53.12	2.59
For Reinforced Structural Plastic Lumber, Add	18.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	4.45	
For White Color, Add	21.01	
For All Other Colors (Except Black, Brown Or White), Add	17.79	
06 51 13 00-0062 LF 8" x 10", Other Shapes, Recycled Plastic Lumber	90.39	2.69
For Reinforced Structural Plastic Lumber, Add	32.02	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	7.79	
For White Color, Add	36.78	
For All Other Colors (Except Black, Brown Or White), Add	31.16	
06 51 13 00-0063 LF 10" x 10", Other Shapes, Recycled Plastic Lumber	125.20	2.81
For Reinforced Structural Plastic Lumber, Add	44.84	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	10.91	
For White Color, Add	51.51	
For All Other Colors (Except Black, Brown Or White), Add	43.63	
06 51 13 00-0064 LF 2" Diameter, Other Shapes, Recycled Plastic Lumber	5.01	0.89
For Reinforced Structural Plastic Lumber, Add	1.38	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.34	
For White Color, Add	1.59	
For All Other Colors (Except Black, Brown Or White), Add	1.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0065 LF 3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.09 4.60 1.12 5.28 4.47	1.15
06 51 13 00-0066 LF 4" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	15.55 5.04 1.23 5.79 4.91	1.34
06 51 13 00-0067 LF 5" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	19.24 6.27 1.53 7.20 6.10	1.61
06 51 13 00-0068 LF 6" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	42.24 14.63 3.56 16.81 14.24	1.88
06 51 13 00-0069 SF 1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.10	0.98
06 51 13 00-0070 SF 1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	5.92	1.02
06 51 13 00-0071 SF 3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	8.46	1.09
06 51 13 00-0072 SF 1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	10.74	1.13

06 51 23 Plastic Channel and Shapes (06 51)

06 51 23 00-0001 Channel (06 51 23)		
06 51 23 00-0002 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22).....	17.56	2.11
06 51 23 00-0003 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8).....	32.28	2.11
06 51 23 00-0004 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH).....	32.28	2.11
06 51 23 00-0005 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A).....	42.10	2.11
06 51 23 00-0006 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22).....	21.88	2.11
06 51 23 00-0007 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8).....	36.80	2.11
06 51 23 00-0008 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH).....	36.80	2.11
06 51 23 00-0009 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A).....	46.22	2.11
06 51 23 00-0010 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42).....	17.76	2.11
06 51 23 00-0011 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8).....	28.16	2.11
06 51 23 00-0012 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH).....	28.16	2.11
06 51 23 00-0013 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A).....	37.97	2.11
06 51 23 00-0014 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42).....	21.49	2.11
06 51 23 00-0015 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8).....	32.28	2.11
06 51 23 00-0016 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH).....	32.28	2.11
06 51 23 00-0017 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A).....	39.74	2.11

06 51 33 Carbon Fiber Plates (06 51)

06 51 33 00-0001 Carbon Fiber Plates (06 51 33)		
<i>Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte</i>		
06 51 33 00-0002 EA 6" x 6", 0.039" Thickness, Carbon Fiber Plates	19.15	
06 51 33 00-0003 EA 6" x 12", 0.039" Thickness, Carbon Fiber Plates	30.15	
06 51 33 00-0004 EA 6" x 24", 0.039" Thickness, Carbon Fiber Plates	52.03	
06 51 33 00-0005 EA 12" x 12", 0.039" Thickness, Carbon Fiber Plates	52.03	
06 51 33 00-0006 EA 12" x 24", 0.039" Thickness, Carbon Fiber Plates	92.87	
06 51 33 00-0007 EA 12" x 48", 0.039" Thickness, Carbon Fiber Plates	172.44	
06 51 33 00-0008 EA 24" x 24", 0.039" Thickness, Carbon Fiber Plates	173.08	
06 51 33 00-0009 EA 24" x 48", 0.039" Thickness, Carbon Fiber Plates	329.82	
06 51 33 00-0010 EA 38" x 48", 0.039" Thickness, Carbon Fiber Plates	494.93	
06 51 33 00-0011 EA 38" x 96", 0.039" Thickness, Carbon Fiber Plates	986.26	
06 51 33 00-0012 EA 6" x 6", 1/16" Thickness, Carbon Fiber Plates	23.98	
06 51 33 00-0013 EA 6" x 12", 1/16" Thickness, Carbon Fiber Plates	42.24	
06 51 33 00-0014 EA 6" x 24", 1/16" Thickness, Carbon Fiber Plates	72.58	
06 51 33 00-0015 EA 12" x 12", 1/16" Thickness, Carbon Fiber Plates	72.58	
06 51 33 00-0016 EA 12" x 24", 1/16" Thickness, Carbon Fiber Plates	129.12	
06 51 33 00-0017 EA 12" x 48", 1/16" Thickness, Carbon Fiber Plates	243.73	
06 51 33 00-0018 EA 24" x 24", 1/16" Thickness, Carbon Fiber Plates	244.37	
06 51 33 00-0019 EA 24" x 48", 1/16" Thickness, Carbon Fiber Plates	462.74	
06 51 33 00-0020 EA 38" x 48", 1/16" Thickness, Carbon Fiber Plates	700.36	
06 51 33 00-0021 EA 38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,397.11	
06 51 33 00-0022 EA 6" x 6", 0.079" Thickness, Carbon Fiber Plates	28.81	
06 51 33 00-0023 EA 6" x 12", 0.079" Thickness, Carbon Fiber Plates	47.07	
06 51 33 00-0024 EA 6" x 24", 0.079" Thickness, Carbon Fiber Plates	83.45	
06 51 33 00-0025 EA 12" x 12", 0.079" Thickness, Carbon Fiber Plates	83.45	
06 51 33 00-0026 EA 12" x 24", 0.079" Thickness, Carbon Fiber Plates	166.58	
06 51 33 00-0027 EA 12" x 48", 0.079" Thickness, Carbon Fiber Plates	318.65	
06 51 33 00-0028 EA 24" x 24", 0.079" Thickness, Carbon Fiber Plates	319.29	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	529.20	
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	804.28	
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,594.08	
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	32.44	
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	55.53	
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	91.91	
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	91.91	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	169.00	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	317.45	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	318.09	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	607.75	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	919.08	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,832.14	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	37.27	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	67.61	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	195.58	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	373.03	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	373.67	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	709.25	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,074.96	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,140.28	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	36.06	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	63.99	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	182.29	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	353.70	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	354.34	
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	673.00	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,062.88	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,078.65	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	44.52	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	88.15	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	133.00	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	133.00	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	230.63	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	439.49	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	440.13	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	842.18	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,275.56	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,545.09	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	50.56	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	90.57	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	152.33	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	152.33	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	262.05	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	505.96	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	506.60	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	963.02	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,456.82	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	2,895.53	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	51.77	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	96.61	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	165.62	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	145.08	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	291.05	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	510.79	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	511.43	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	970.27	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,473.74	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	2,925.74	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	60.23	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	108.70	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	181.33	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	181.33	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	327.30	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	625.59	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	626.23	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,192.61	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,812.09	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,601.24	

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	20.68	7.25
------------------	----	--------------------------------------	-------	------



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0003 LF 8" Diameter, Round Fiberglass Column.....	29.23	10.55
06 52 13 00-0004 LF 10" Diameter, Round Fiberglass Column.....	33.94	11.86
06 52 13 00-0005 LF 12" Diameter, Round Fiberglass Column.....	41.89	12.42
06 52 13 00-0006 LF 15" Diameter, Round Fiberglass Column.....	51.06	14.34
06 52 13 00-0007 EA 6" Diameter, Base And Cap For Round Fiberglass Columns	39.85	13.74
06 52 13 00-0008 EA 8" Diameter, Base And Cap For Round Fiberglass Columns	44.13	14.83
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns	51.98	16.48
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns	71.70	17.58
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns	96.98	19.23
 06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)		
06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column	21.89	7.25
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column	30.85	10.55
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column	35.99	11.86
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column	45.32	12.42
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column	55.53	14.39
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns	42.32	13.74
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns	47.03	14.83
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns	55.78	16.48
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns	79.01	17.58
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns	108.69	19.23
 06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)		
06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns	163.85	16.48
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns	218.22	19.23
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns	279.21	21.97
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns	194.50	16.48
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns	233.96	19.23
06 52 13 00-0029 EA 12" Scamozzi Cap And Base For Fiberglass Columns	340.51	21.97
06 52 13 00-0030 EA 8" Corinthian Cap And Base For Fiberglass Columns	244.21	16.48
06 52 13 00-0031 EA 10" Corinthian Cap And Base For Fiberglass Columns	296.09	19.23
06 52 13 00-0032 EA 12" Corinthian Cap And Base For Fiberglass Columns	391.87	21.97
06 52 13 00-0033 EA 8" Temple Of Winds Cap And Base For Fiberglass Columns	166.34	16.48
06 52 13 00-0034 EA 10" Temple Of Winds Cap And Base For Fiberglass Columns	223.19	19.23
06 52 13 00-0035 EA 12" Temple Of Winds Cap And Base For Fiberglass Columns	284.18	21.97
06 52 13 00-0036 EA 8" Greek Erectheum Cap And Base For Fiberglass Columns	166.34	16.48
06 52 13 00-0037 EA 10" Greek Erectheum Cap And Base For Fiberglass Columns	199.99	19.23
06 52 13 00-0038 EA 12" Greek Erectheum Cap And Base For Fiberglass Columns	263.47	21.97
 06 53 Plastic Decking (06 50)		
06 53 16 Plastic Stair Treads (06 53)		
06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)		
Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002 LF 1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	44.73	2.82
06 53 16 00-0003 LF 1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	60.63	3.38
06 53 16 00-0004 LF 2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	87.72	3.73
 06 60 Plastic Fabrications (06)		
06 65 Plastic Trim (06 60)		
06 65 00 00-0001 Plastic Moldings (06 65)		
Note: All dimensions are nominal.		
06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0003 LF 3-1/2" High, Base, Plastic Molding.....	9.03	2.54
06 65 00 00-0004 LF 4-1/2" High, Base, Plastic Molding.....	10.90	3.18
06 65 00 00-0005 LF 3/4" x 1", Base Shoe, Plastic Molding.....	7.99	2.67
 06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0007 LF 1" x 2" Cornice, Plastic Molding	8.03	2.54
06 65 00 00-0008 LF 1" x 4" Cornice, Plastic Molding	10.62	2.67
06 65 00 00-0009 LF 1" x 6" Cornice, Plastic Molding	15.69	2.80
06 65 00 00-0010 LF 1" x 8" Cornice, Plastic Molding	18.40	2.92
06 65 00 00-0011 LF 1" x 10" Cornice, Plastic Molding	21.54	3.05
06 65 00 00-0012 LF 1" x 12" Cornice, Plastic Molding	28.42	3.18
 06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0014 LF 9/16" x 1-5/8" Crown Or Bed, Plastic Molding.....	16.93	2.54
06 65 00 00-0015 LF 9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	22.95	3.18
06 65 00 00-0016 LF 9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	24.09	3.18
06 65 00 00-0017 LF 9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	25.23	3.18
06 65 00 00-0018 LF 5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	33.33	3.81

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0019 LF 11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	40.39	3.81
06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0021 LF 11/16" x 1-3/8" Dentil, Plastic Molding.....	13.91	2.54
06 65 00 00-0022 LF 5/8" x 2-1/2" Dentil, Plastic Molding.....	16.07	2.54
06 65 00 00-0023 LF 1-3/8" x 3-3/8" Dentil, Plastic Molding.....	20.94	2.54
06 65 00 00-0024 LF 1-1/2" x 4-1/2" Dentil, Plastic Molding.....	29.34	2.54
06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0026 LF 3/8" x 3/8" Cove, Plastic Molding.....	4.86	1.40
06 65 00 00-0027 LF 1/2" x 1/2" Cove, Plastic Molding.....	5.44	1.40
06 65 00 00-0028 LF 5/8" x 5/8" Cove, Plastic Molding.....	7.37	1.65
06 65 00 00-0029 LF 3/4" x 3/4" Cove, Plastic Molding.....	7.37	1.65
06 65 00 00-0030 LF 15/16" x 15/16" Cove, Plastic Molding.....	9.89	1.65
06 65 00 00-0031 LF 9/16" x 1-3/4" Cove, Plastic Molding.....	13.15	1.90
06 65 00 00-0032 LF 11/16" x 2-3/4" Cove, Plastic Molding.....	18.49	1.90
06 65 00 00-0033 Chair Rail, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0034 LF 1/2" x 1-5/8" Chair Rail, Plastic Molding.....	8.55	1.90
06 65 00 00-0035 LF 5/8" x 2-1/2" Chair Rail, Plastic Molding.....	11.56	2.54
06 65 00 00-0036 LF 5/8" x 3-1/2" Chair Rail, Plastic Molding.....	14.85	2.54
06 65 00 00-0037 Door, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0038 LF 1-1/8" Wide, Door, Plastic Molding.....	6.55	2.28
06 65 00 00-0039 LF 1-1/8" Wide, Detailed Door, Plastic Molding.....	6.62	2.28
06 65 00 00-0040 Trim, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0041 LF 1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	6.53	2.67
06 65 00 00-0042 LF 3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	7.72	2.67
06 65 00 00-0043 LF 1-1/4" x 2" Brick Mould, Plastic Molding.....	7.26	2.54
06 65 00 00-0044 LF 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	8.28	2.54
06 65 00 00-0045 LF 11/16" x 1-5/8" Drip Cap, Plastic Molding.....	6.27	2.54
06 65 00 00-0046 LF 2-3/4" x 2" Water Table, Plastic Molding.....	9.02	2.54
06 65 00 00-0047 LF 3/8" x 2" Garage Door Stop, Plastic Molding.....	6.83	2.54
06 65 00 00-0048 Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)		
Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049 LF 1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.25	1.02
06 65 00 00-0050 LF 1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.01	1.15
06 65 00 00-0051 LF 1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.83	1.27
06 65 00 00-0052 LF 1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	9.39	1.30
06 65 00 00-0053 LF 1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	11.10	1.34
06 65 00 00-0054 LF 5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.16	1.02
06 65 00 00-0055 LF 5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.41	1.15
06 65 00 00-0056 LF 5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	9.39	1.27
06 65 00 00-0057 LF 5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	11.53	1.30
06 65 00 00-0058 LF 5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	13.49	1.34
06 65 00 00-0059 LF 3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	11.04	1.30
06 65 00 00-0060 LF 5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	14.56	1.34
06 65 00 00-0061 SF 1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	7.77	1.15
06 65 00 00-0062 SF 3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	11.11	1.27
06 70 Structural Composites (06)		
06 74 Composite Gratings (06 70)		
06 74 13 Fiberglass Reinforced Gratings (06 74)		
06 74 13 00-0001 Molded Fiberglass Gratings And Coverings (06 74 13)		
06 74 13 00-0002 Vi-Corr Resin System (06 74 13 00-0001)		
Note: Orange or dark gray.		
06 74 13 00-0003 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	43.24	2.03
06 74 13 00-0004 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	42.00	2.03
06 74 13 00-0005 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	54.78	2.03
06 74 13 00-0006 SF 2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	59.34	2.60
06 74 13 00-0007 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	45.37	2.03
06 74 13 00-0008 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	44.09	2.03
06 74 13 00-0009 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	57.86	2.03
06 74 13 00-0010 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	62.24	2.60
06 74 13 00-0011 SF 1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	40.94	1.62
06 74 13 00-0012 SF 1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	66.29	1.78
06 74 13 00-0013 SF 3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	90.82	1.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)		
06 74 13 00-0015 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.78	2.03
06 74 13 00-0016 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	37.26	2.03
06 74 13 00-0017 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	47.92	2.03
06 74 13 00-0018 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.73	2.60
06 74 13 00-0019 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	41.52	2.03
06 74 13 00-0020 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	38.25	2.03
06 74 13 00-0021 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	52.09	2.60
06 74 13 00-0022 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	54.60	2.60
06 74 13 00-0023 SF 1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	36.10	1.62
06 74 13 00-0024 SF 1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	51.09	1.78
06 74 13 00-0025 SF 3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	70.16	1.96
06 74 13 00-0026 Corvex Polyester Resin (06 74 13 00-0001)		
Note: Dark gray.		
06 74 13 00-0027 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	33.76	2.03
06 74 13 00-0028 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	32.43	2.03
06 74 13 00-0029 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	39.30	2.03
06 74 13 00-0030 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	45.19	2.60
06 74 13 00-0031 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	35.98	2.03
06 74 13 00-0032 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	34.63	2.03
06 74 13 00-0033 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	41.86	2.03
06 74 13 00-0034 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	47.38	2.60
06 74 13 00-0035 SF 1/4" Corvex Polyester Resin, Fiberplate Covering	31.89	1.62
06 74 13 00-0036 SF 1/2" Corvex Polyester Resin, Fiberplate Covering	50.87	1.78
06 74 13 00-0037 SF 3/4" Corvex Polyester Resin, Fiberplate Covering	70.53	1.96
06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)		
06 74 13 00-0039 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	49.63	2.03
06 74 13 00-0040 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	48.19	2.03
06 74 13 00-0041 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	65.94	2.03
06 74 13 00-0042 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	70.47	2.60
06 74 13 00-0043 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	51.80	2.03
06 74 13 00-0044 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	50.39	2.03
06 74 13 00-0045 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	68.50	2.60
06 74 13 00-0046 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.58	2.60
06 74 13 00-0047 SF 1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	46.89	1.62
06 74 13 00-0048 SF 1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	75.81	1.78
06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	50.90	2.03
06 74 13 00-0051 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	49.36	2.03
06 74 13 00-0052 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	64.17	2.03
06 74 13 00-0053 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	68.80	2.60
06 74 13 00-0054 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	52.90	2.03
06 74 13 00-0055 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	51.64	2.03
06 74 13 00-0056 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	66.64	2.60
06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	71.30	2.03
06 74 13 00-0058 SF 1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	52.41	1.62
06 74 13 00-0059 SF 1/2" ELS Extremity Low Smoke Resin, Fiberplate Covering	94.46	1.78
06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
Note: For moderately corrosive environments, green.		
06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	36.22	2.60
06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.15	2.03
06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.95	2.60
06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	37.87	2.03
06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	28.27	2.60
06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	25.04	2.03
06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	32.37	2.60
06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	29.23	2.03
06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	40.90	2.60
06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	36.94	2.03
06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	45.96	2.60
06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.13	2.03
06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	35.96	2.60
06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	32.82	2.03

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	35.52	2.60
06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	39.30	2.60
06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	47.49	2.60
06 74 13 00-0082 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	44.82	2.60
06 74 13 00-0083 VEF Vinyl Ester Resin System (06 74 13 00-0060)		
06 74 13 00-0084 1" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	38.35	2.03
06 74 13 00-0086 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	34.29	2.03
06 74 13 00-0087 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	43.13	2.03
06 74 13 00-0088 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	49.51	2.03
06 74 13 00-0089 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin	29.44	2.03
06 74 13 00-0090 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin	26.31	2.03
06 74 13 00-0091 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	33.80	2.03
06 74 13 00-0092 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	31.01	2.03
06 74 13 00-0093 1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	42.10	2.03
06 74 13 00-0095 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	38.09	2.03
06 74 13 00-0096 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	48.13	2.03
06 74 13 00-0097 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	44.94	2.03
06 74 13 00-0098 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	37.84	2.03
06 74 13 00-0099 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	34.85	2.03
06 74 13 00-0100 2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0101 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	37.32	2.60
06 74 13 00-0102 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	34.41	2.60
06 74 13 00-0103 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin	50.01	2.60
06 74 13 00-0104 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin	48.57	2.60
06 80 Composite Fabrications (06)		
06 82 Composite Trim (06 80)		
06 82 00 00-0001 Fiberglass Castings (06 82)		
06 82 00 00-0002 Fiberglass Angle, Equal Legs (06 82 00 00-0001)		
06 82 00 00-0003 LF 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.59	3.38
06 82 00 00-0004 LF 1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin	10.04	3.38
06 82 00 00-0005 LF 3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	17.72	4.06
06 82 00 00-0006 LF 3" x 3" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin	19.54	4.06
06 82 00 00-0007 LF 4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	19.65	4.06
06 82 00 00-0008 LF 4" x 4" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin	20.96	4.06
06 82 00 00-0009 LF 4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	22.73	4.06
06 82 00 00-0010 LF 4" x 4" x 3/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin	25.53	4.06
06 82 00 00-0011 LF 6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	60.73	5.08
06 82 00 00-0012 LF 6" x 6" x 1/2" Thick Fiberglass Angle, VEF Vinyl Ester Resin	69.79	5.08
06 82 00 00-0013 Fiberglass Channels (06 82 00 00-0001)		
06 82 00 00-0014 LF 3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	11.09	5.08
06 82 00 00-0015 LF 3" x 1" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin	11.54	5.08
06 82 00 00-0016 LF 4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	22.81	5.75
06 82 00 00-0017 LF 4" x 1 1/8" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin	22.81	5.75
06 82 00 00-0018 LF 6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.53	5.75
06 82 00 00-0019 LF 6" x 1 11/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin	41.25	5.75
06 82 00 00-0020 LF 8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	33.39	5.75
06 82 00 00-0021 LF 8" x 2 3/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin	40.43	5.75
06 82 00 00-0022 LF 10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	50.90	7.90
06 82 00 00-0023 LF 10" x 2-3/4" x 1/2" Fiberglass Channel, VEF Vinyl Ester Resin	58.27	7.90
06 82 00 00-0024 Fiberglass Wide Flange Beams (06 82 00 00-0001)		
06 82 00 00-0025 LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	31.25	6.77
06 82 00 00-0026 LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	34.10	6.77
06 82 00 00-0027 LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	39.93	8.12
06 82 00 00-0028 LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	41.29	8.12
06 82 00 00-0029 LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	64.13	10.15
06 82 00 00-0030 LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	80.22	10.15
06 82 00 00-0031 LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	141.44	12.41
06 82 00 00-0032 LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	159.05	12.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0033	Fiberglass Flat Sheet (06 82 00 00-0001)	
Note: Not to be used for bathroom board.		
06 82 00 00-0034 SF 1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	25.84	5.75
06 82 00 00-0035 SF 1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	26.96	5.75
06 82 00 00-0036 SF 1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	40.38	6.77
06 82 00 00-0037 SF 1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	46.36	6.77
06 82 00 00-0038 SF 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	54.69	8.12
06 82 00 00-0039 SF 3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	63.67	8.12
06 82 00 00-0040 SF 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	73.68	10.15
06 82 00 00-0041 SF 1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	87.42	10.15
06 82 00 00-0042	Fiberglass Bars (06 82 00 00-0001)	
06 82 00 00-0043	Square Bars (06 82 00 00-0042)	
06 82 00 00-0044 LF 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.43	4.06
06 82 00 00-0045 LF 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	22.01	5.98
06 82 00 00-0046 LF 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	25.79	7.90
06 82 00 00-0047	Round Bars (06 82 00 00-0042)	
06 82 00 00-0048 LF 1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	9.99	3.38
06 82 00 00-0049 LF 1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	21.22	5.08
06 82 00 00-0050 LF 1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	23.94	5.08
06 82 00 00-0051 LF 1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	31.57	5.08
06 82 00 00-0052 LF 1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	37.70	5.75
06 82 00 00-0053	Fiberglass Tubes (06 82 00 00-0001)	
06 82 00 00-0054	Square Tube (06 82 00 00-0053)	
06 82 00 00-0055 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.22	3.38
06 82 00 00-0056 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.10	3.38
06 82 00 00-0057 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	16.51	4.06
06 82 00 00-0058 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.06	4.06
06 82 00 00-0059 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	31.24	5.08
06 82 00 00-0060 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	34.83	5.08
06 82 00 00-0061 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	36.77	6.09
06 82 00 00-0062 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	46.77	6.09
06 82 00 00-0063	Round Tube (06 82 00 00-0053)	
06 82 00 00-0064 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	10.76	3.38
06 82 00 00-0065 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.16	3.38
06 82 00 00-0066 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	19.97	4.06
06 82 00 00-0067 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	21.28	4.06
06 82 00 00-0068	Fiberglass Threaded Rods (06 82 00 00-0001)	
06 82 00 00-0069 LF 3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.34	2.60
06 82 00 00-0070 LF 1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.26	2.60
06 82 00 00-0071 LF 5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	17.51	2.93
06 82 00 00-0072 LF 3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	19.27	2.93
06 82 00 00-0073 LF 1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	21.28	2.93
06 82 00 00-0074	Grating Support Legs, VEFR Resin (06 82 00 00-0001)	
06 82 00 00-0075 EA Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	18.51	
06 82 00 00-0076 EA Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	7.93	
06 82 00 00-0077 EA Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	29.83	
06 82 00 00-0078	Fiberglass Netting (06 82 00 00-0001)	
06 82 00 00-0079 SF 1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.71	0.34
06 82 00 00-0080 SF 1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.71	0.34
06 82 00 00-0081 SF 3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.71	0.34
06 82 00 00-0082 SF 7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.71	0.34
06 82 00 00-0083 SF 1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.71	0.34
06 82 00 00-0084 SF 1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.69	0.34
06 82 00 00-0085 SF 1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.69	0.34
06 82 00 00-0086 SF 3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.69	0.34
06 82 00 00-0087 SF 7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.69	0.34
06 82 00 00-0088 SF 1" x 1" Mesh, Green Flexible Fiberglass Netting	0.69	0.34
06 82 00 00-0089	Fiberglass Stair Treads (06 82)	
06 82 00 00-0090	Fiberglass Stair Treads (06 82 00 00-0089)	

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>		
06 82 00 00-0092 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	105.57	17.71
06 82 00 00-0093 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	123.14	17.71
06 82 00 00-0094 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	140.73	17.71
06 82 00 00-0095 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	158.30	17.71
06 82 00 00-0096 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	116.11	17.71
06 82 00 00-0097 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	136.33	17.71
06 82 00 00-0098 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	156.55	17.71
06 82 00 00-0099 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	176.76	17.71
06 82 00 00-0100 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	132.29	17.71
06 82 00 00-0101 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	156.54	17.71
06 82 00 00-0102 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	180.80	17.71
06 82 00 00-0103 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	205.06	17.71
06 82 00 00-0104 12" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>		
06 82 00 00-0105 EA 1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	115.61	17.71
06 82 00 00-0106 EA 1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	135.70	17.71
06 82 00 00-0107 EA 1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	155.80	17.71
06 82 00 00-0108 EA 1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	175.89	17.71
06 82 00 00-0109 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	127.67	17.71
06 82 00 00-0110 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	150.77	17.71
06 82 00 00-0111 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	173.88	17.71
06 82 00 00-0112 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	196.98	17.71
06 82 00 00-0113 EA 2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	146.15	17.71
06 82 00 00-0114 EA 2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	173.88	17.71
06 82 00 00-0115 EA 2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	201.60	17.71
06 82 00 00-0116 EA 2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	229.33	17.71
06 82 00 00-0117 Other Fiberglass <small>(06 82)</small>		
06 82 00 00-0118 Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>		
06 82 00 00-0119 EA Standard Size Fiberglass Splash Block	18.02	3.37
06 83 Composite Paneling <small>(06 80)</small>		
06 83 16 Fiberglass Reinforced Paneling <small>(06 83)</small>		
06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83 16)</small>		
Note: Includes adhesive and trim.		
06 83 16 00-0002 SF Fiberglass Reinforced Polyester (FRP) Paneling	4.06	1.69
Note: Including Adhesive And Trim		

END OF SECTION 06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection ⁽⁰⁷⁾

07 01 50 Maintenance of Membrane Roofing ^(07 01)

07 01 50 19 Preparation for Re-Roofing ^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing ^(07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	36.27
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	64.00

07 01 50 81 Roof Replacement ^(07 01 50)

07 01 50 81-0001 Roof Repair ^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	24.15
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	21.65
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	19.71
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	18.34
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	27.33
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	24.84
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	22.90
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	21.52
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	20.97
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	18.79
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	17.17
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	16.11
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	7.51

07 01 50 81-0015 Emergency Roof Patch ^(07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	98.87
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	703.44

07 01 50 81-0018 Adhesives ^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer ^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only ^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint	4.64
------------------	----	---	------

2.00

07 01 50 91 Roofing Restoration ^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing ^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.15
		<i>For Up To 100, Add</i>	<i>0.11</i>
		<i>For >100 To 250, Add</i>	<i>0.05</i>
		<i>For >250 To 500, Add</i>	<i>0.02</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.01</i>
		<i>For >10,000 To 15,000, Deduct</i>	<i>-0.02</i>
		<i>For >15,000 To 30,000, Deduct</i>	<i>-0.02</i>
		<i>For >30,000, Deduct</i>	<i>-0.03</i>

07 05 Common Work Results for Thermal and Moisture Protection ⁽⁰⁷⁾

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,409.14
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,054.33
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	704.57
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	351.44

07 10 Dampproofing and Waterproofing ⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing**

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

the absence of hydrostatic pressure.

07 11 Dampproofing (07 10)**07 11 13 Bituminous Dampproofing** (07 11)

07 11 13 00-0001	Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)		
07 11 13 00-0002	CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	180.23	
07 11 13 00-0003	CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	274.02	
07 11 13 00-0004	Fibrous Asphalt Dampproofing, Troweled On (07 11 13)		
07 11 13 00-0005	CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	312.61	
07 11 13 00-0006	CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	489.23	
07 11 13 00-0007	Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008	CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	143.61	
07 11 13 00-0009	CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing	266.10	
07 11 19	Sheet Dampproofing (07 11)		
07 11 19 00-0001	Neoprene (07 11 19)		
07 11 19 00-0002	SF 1/16" Patch Neoprene Roof (5 To 20 SF)	37.58	

07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing** (07 13)

07 13 13 00-0001	15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13 13)		
07 13 13 00-0002	CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	328.89	113.15
	<i>For 30 LB Felt, Add</i>	76.93	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-33.95	
07 13 13 00-0003	CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	416.01	127.30
	<i>For 30 LB Felt, Add</i>	121.05	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-38.19	
07 13 13 00-0004	CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	503.13	141.44
	<i>For 30 LB Felt, Add</i>	165.18	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-42.43	
07 13 13 00-0005	CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	590.25	155.59
	<i>For 30 LB Felt, Add</i>	209.30	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-46.68	
07 13 13 00-0006	CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	677.37	169.74
	<i>For 30 LB Felt, Add</i>	253.43	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-50.92	
07 13 13 00-0007	Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008	CSF 1/8" Asphalt Coated Protective Board	280.63	112.90
	<i>For Application To Horizontal Surfaces, Deduct</i>	-37.65	
07 13 13 00-0009	CSF 1/4" Asphalt Coated Protective Board	372.50	117.24
	<i>For Application To Horizontal Surfaces, Deduct</i>	-39.08	
07 13 13 00-0010	CSF 3/8" Asphalt Coated Protective Board	483.20	122.17
	<i>For Application To Horizontal Surfaces, Deduct</i>	-40.71	
07 13 13 00-0011	CSF 1/2" Asphalt Coated Protective Board	539.67	127.09
	<i>For Application To Horizontal Surfaces, Deduct</i>	-42.37	
07 13 53	Elastomeric Sheet Waterproofing (07 13)		
07 13 53 00-0001	Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002	SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	7.79	1.17
	<i>For Floor Surfaces, Deduct</i>	-1.15	
07 13 53 00-0003	Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004	CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	488.19	164.13
	<i>For Application To Horizontal Surfaces, Deduct</i>	-49.23	
07 13 53 00-0005	CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	562.03	164.13
	<i>For Application To Horizontal Surfaces, Deduct</i>	-49.23	
07 13 53 00-0006	Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007	CSF 1/32" Butyl Sheet Waterproofing	101.49	41.03
	<i>For Joint Taping, Add</i>	14.53	
	<i>For Each Additional Ply, Add</i>	75.16	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-6.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	120.70 15.49 88.60 -6.17	41.03
07 13 53 00-0009 Butyl With Nylon <small>(07 13 53)</small>		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	112.47 15.08 82.84 -6.17	41.03
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	124.82 15.70 91.49 -6.17	41.03
07 13 53 00-0012 Neoprene Sheet Waterproofing <small>(07 13 53)</small>		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	175.65 18.24 127.07 -6.17	41.03
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	257.42 22.33 184.31 -6.17	41.03
07 13 53 00-0015 Neoprene With Nylon <small>(07 13 53)</small>		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	184.18 18.67 133.04 -6.17	41.03
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	271.05 23.01 193.85 -6.17	41.03
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) <small>(07 13 53)</small>		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	41.54 9.96 32.51 -5.14	15.49
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	42.58 10.02 33.24 -5.14	15.49
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	69.19 11.35 51.86 -5.14	15.49
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite..... Note: Includes seam tape, liquid mastic, anchors and termination bar. <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	104.37 76.87 -5.72	15.49
07 13 53 00-0023 Plastic Vapor Barrier (PVC) <small>(07 13 53)</small>		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	48.30 10.30 37.24 -5.14	17.15
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	59.79 11.18 45.41 -5.34	17.78
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	75.04 12.22 56.21 -5.52	18.41
07 13 53 00-0027 Vinyl Plastic Vapor Barrier <small>(07 13 53)</small>		
07 13 53 00-0028 CSF 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	47.99	15.87

07 14 Fluid-Applied Waterproofing (07 10)

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... Note: Includes primer. <i>For Application To Horizontal Surfaces, Deduct</i>	2.46 -0.22	
		<i>For Reinforcing Fabric, Add</i>	0.56	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... Note: Includes primer. <i>For Application To Horizontal Surfaces, Deduct</i>	2.90 -0.23	
		<i>For Reinforcing Fabric, Add</i>	0.56	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)				
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)				
07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing..... <i>For Application To Horizontal Surfaces, Deduct</i>	4.13 -0.50	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing..... <i>For Application To Horizontal Surfaces, Deduct</i>	4.72 -0.52	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing..... <i>For Application To Horizontal Surfaces, Deduct</i>	5.34 -0.55	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)				
07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer.....	2.81	
07 14 16 00-0007 Copolymer Compound (07 14 16)				
07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	4.47	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)				
07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene <i>For Application To Horizontal Surfaces, Deduct</i>	541.61 -59.79	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene..... <i>For Application To Horizontal Surfaces, Deduct</i>	1,050.46 -117.30	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene..... <i>For Application To Horizontal Surfaces, Deduct</i>	1,709.35 -175.86	
07 16 Cementitious and Reactive Waterproofing (07 10)				
07 16 13 Polymer Modified Cement Waterproofing (07 16)				
07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats..... Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	4.87	
07 16 16 Crystalline Waterproofing (07 16)				
07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	6.21	
07 16 19 Metal Oxide Waterproofing (07 16)				
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)				
		Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)..... <i>For Application To Horizontal Surfaces, Deduct</i>	492.60 -61.44	
07 17 Bentonite Waterproofing (07 10)				
07 17 13 Bentonite Panel Waterproofing (07 17)				
07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	467.64 -40.42	134.71
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	430.12 -43.75	142.33
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	586.17 -44.52	148.43
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled..... <i>For Application To Horizontal Surfaces, Deduct</i>	473.26 -37.02	123.45
07 18 Traffic Coatings (07 10)				
07 18 13 Pedestrian Traffic Coatings (07 18)				
07 18 13 00-0001 Pedestrian Traffic Coating (07 18 13)				
		Note: Gaco Western		
07 18 13 00-0002	SF	GACOCRETE A-17, Acrylic Elastomeric Coating.....	3.26	
07 18 13 00-0003	SF	Silicone Enhanced A-30, Acrylic Elastomeric Coating..... <i>For >2,000, Deduct</i>	2.81 -0.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 13 00-0004	SF		Quick Set A-31, Acrylic Elastomeric Coating	2.62	
07 18 13 00-0005	SF		A-32, Acrylic Elastomeric Coating.....	2.92	
			<i>For >2,000, Deduct</i>	-0.36	
07 18 13 00-0006	SF		Liquid Seam Tape A-3611, Acrylic Elastomeric Coating.....	3.03	
			<i>For >2,000, Deduct</i>	-0.40	
07 18 13 00-0007	SF		A-38, Acrylic Elastomeric Coating.....	2.99	
07 18 13 00-0008	SF		Acrylic Primer A-4121	2.11	
07 18 13 00-0009	SF		Two Component Epoxy Emulsion Primer Filler E-5320	3.46	
07 18 13 00-0010	SF		Two Component Epoxy Rust Inhibiting Primer E-5388.....	3.97	
07 18 13 00-0011	SF		Two Component 100% Solids Primer E-5481	4.30	
07 18 13 00-0012	SF		Hypalon Roof Coating H-25	3.89	
07 18 13 00-0013	SF		Neoprene Adhesive N-1207	3.08	
07 18 13 00-0014	SF		GACOSIL S-10 Silicone.....	3.37	
			<i>For >2,000, Deduct</i>	-0.51	
07 18 13 00-0015	SF		GACOSIL S-20 Silicone.....	3.46	
			<i>For >2,000, Deduct</i>	-0.55	
07 18 13 00-0016	SF		Urethane Primer/Sealer U-5677	2.26	
07 18 13 00-0017	SF		Single Component Polyurethane Coating, Ure-Shield Aluminum U-6006	3.14	
			<i>For >2,000, Deduct</i>	-0.43	
07 18 13 00-0018	SF		Two Component Polyurethane Coating U-62	4.72	
			<i>For >2,000, Deduct</i>	-0.76	
07 18 13 00-0019	SF		Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	4.18	
07 18 13 00-0020	SF		Two Component Polyurethane Coating U-66	4.66	
07 18 13 00-0021	SF		Two Component Polyurethane Coating U-8730	4.36	
07 18 13 00-0022	SF		Two Component Polyurethane Coating U-8782	4.30	
07 18 13 00-0023	SF		Two Component Polyurethane Aliphatic Coating UA-60	5.27	
07 18 13 00-0024	SF		Two Component Polyurethane Aliphatic Coating UA-7090	6.47	
07 18 13 00-0025	SF		Two Component Polyurethane Base Coating UB-64.....	4.12	
07 18 13 00-0026	SF		Two Component Polyurethane Base Coating UB-8380.....	4.06	
07 18 13 00-0027	SF		Etching Detergent D-09	2.30	
07 18 13 00-0028	LB		GacoShell Granules Additive To Coating	2.32	
07 18 13 00-0029	LB		Quartz Granules Additive To Coating	2.09	
07 18 13 00-0030	LF		4" Polyester Reinforcing Tape, 66-B.....	0.22	
07 18 13 00-0031	LF		6" Polyester Reinforcing Tape, 66-B.....	0.28	
07 18 13 00-0032	LF		4" Sontara Polyester Reinforcing Tape, 66-S	0.35	
07 18 13 00-0033	LF		6" Sontara Polyester Reinforcing Tape, 66-S	0.48	
07 18 13 00-0034	LF		2" Metal Roof Seam Sealing Tape, 66-MR	0.99	
07 18 13 00-0035	LF		3" Metal Roof Seam Sealing Tape, 66-MR	1.53	
07 18 13 00-0036	LF		4" Metal Roof Seam Sealing Tape, 66-MR	1.89	
07 18 13 00-0037	LF		6" Metal Roof Seam Sealing Tape, 66-MR	2.71	
07 18 13 00-0038	GAL		Polyurethane Coating Thinner T-5106.....	54.32	
07 18 13 00-0039	GAL		Compliant Thinner T-5110	113.18	
07 18 13 00-0040	GAL		Regular Thinner T-5112.....	31.69	
07 18 13 00-0041	GAL		Polyurethane Coating Thinner T-5116.....	40.74	
07 18 13 00-0042	GAL		Polyurethane Troweling Thinner T-5118	49.80	
07 18 13 00-0043	GAL		Compliant Thinner T-5125	54.32	
07 18 13 00-0044	GAL		Fast Polyurethane Coating Thinner T-5130.....	40.74	
07 18 13 00-0045	GAL		Silicone And U-62 Polyurethane Coating Thinner T-5135	40.74	

07 18 16 Vehicular Traffic Coatings (07 18)**07 18 16 00-0001 Preparation For Vehicular Traffic Coating (07 18 16)**

			See CSI section 03 01 30 71-0027 for crack repairs, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0002	SF		Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.15	
07 18 16 00-0003	SF		Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.51	

07 18 16 00-0004 Vehicular Traffic Coating (Sika) (07 18 16)

			Note: Excludes surface preparation, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0027 for crack repairs, 07 18 16 00-0001 for surface preparation, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0005	SF		23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720).....	3.79	
			Note: Excludes crack repair or caulking.		
07 18 16 00-0006	SF		12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.32	
			Note: Excludes crack repair or caulking.		
07 18 16 00-0007	SF		14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.47	
			Note: Excludes crack repair or caulking.		
07 18 16 00-0008	SF		16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.63	
			Note: Excludes crack repair or caulking.		
07 18 16 00-0009	SF		18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.77	
			Note: Excludes crack repair or caulking.		
07 18 16 00-0010	SF		14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.68	
			Note: Excludes crack repair or caulking.		
07 18 16 00-0011	SF		16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.92	
			Note: Excludes crack repair or caulking.		

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 18 Traffic Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

07 18 16 00-0012 SF 18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.16	
Note: Excludes crack repair or caulking.		

07 19 Water Repellents (07 10)**07 19 13 Acrylic Sealer (07 19)**

Note: Per coat.

07 19 13 00-0001 SF Spray On Concrete, Acrylic Sealer	2.58	
07 19 13 00-0002 SF Spray On Concrete Block/Brick, Acrylic Sealer	3.06	
07 19 13 00-0003 SF Spray On Stone, Acrylic Sealer	3.36	

07 19 16 Silane Water Repellents (07 19)**07 19 16 00-0001 Silane Concrete Sealer (07 19 16)**

07 19 16 00-0002 SF Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.73	
07 19 16 00-0003 SF Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.09	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)

07 19 16 00-0005 SF Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.30	
Note: 40% silane, alcohol based.		
07 19 16 00-0006 SF Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.91	
Note: 40% silane, alcohol based.		
07 19 16 00-0007 SF Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.49	
Note: 200 SF/GAL		
07 19 16 00-0008 SF Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.73	

07 20 Thermal Protection (07)**07 21 Thermal Insulation (07 20)****07 21 13 Board Insulation (07 21)**

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation (07 21 13)**07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation (07 21 13 13)****07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)**

07 21 13 13-0003 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.23	0.44
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0004 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	5.91	0.44
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0005 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.03	0.45
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0006 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.28	0.46
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0008 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.87	0.43
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0009 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.95	0.43
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0010 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.22	0.43
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0011 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.49	0.44
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0012 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.58	0.45
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
07 21 13 13-0013 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.67	0.46
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0014 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.76	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0015 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	6.85	0.48
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0016 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.95	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0001)</small>		
<i>Note: 15 PSI compressive strength.</i>		
07 21 13 13-0018 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.14	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.23	
<i>For 40 PSI Compressive Strength, Add</i>	0.54	
<i>For 60 PSI Compressive Strength, Add</i>	0.86	
<i>For 115 PSI Compressive Strength, Add</i>	3.72	
07 21 13 13-0019 SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.51	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.29	
<i>For 40 PSI Compressive Strength, Add</i>	0.68	
<i>For 60 PSI Compressive Strength, Add</i>	1.07	
<i>For 115 PSI Compressive Strength, Add</i>	4.67	
07 21 13 13-0020 SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.81	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.33	
<i>For 40 PSI Compressive Strength, Add</i>	0.79	
<i>For 60 PSI Compressive Strength, Add</i>	1.25	
<i>For 115 PSI Compressive Strength, Add</i>	5.44	
07 21 13 13-0021 SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.89	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.35	
<i>For 40 PSI Compressive Strength, Add</i>	0.82	
<i>For 60 PSI Compressive Strength, Add</i>	1.29	
<i>For 115 PSI Compressive Strength, Add</i>	5.62	
07 21 13 13-0022 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.36	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.58	
<i>For 40 PSI Compressive Strength, Add</i>	1.38	
<i>For 60 PSI Compressive Strength, Add</i>	2.14	
<i>For 115 PSI Compressive Strength, Add</i>	9.38	
07 21 13 13-0023 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	5.85	0.46
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.81	
<i>For 40 PSI Compressive Strength, Add</i>	1.93	
<i>For 60 PSI Compressive Strength, Add</i>	2.99	
<i>For 115 PSI Compressive Strength, Add</i>	13.16	
07 21 13 13-0024 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	6.61	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.93	
<i>For 40 PSI Compressive Strength, Add</i>	2.22	
<i>For 60 PSI Compressive Strength, Add</i>	3.42	
<i>For 115 PSI Compressive Strength, Add</i>	15.06	
07 21 13 13-0025 Mechanically Fastened Foam Board Insulation <small>(07 21 13 13)</small>		
<i>Note: Mechanically fastened to wood or steel.</i>		
07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation <small>(07 21 13 13-0025)</small>		
<i>Note: Mechanically fastened to wood or steel.</i>		
07 21 13 13-0027 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	4.17	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	5.95	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	7.09	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	9.43	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.81	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.89	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.16	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.43	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	



Thermal And Moisture Protection		07
Thermal Protection		07 20
Thermal Insulation		07 21

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0036 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.63	0.45
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.01	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.26	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.88	
07 21 13 13-0037 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.82	0.46
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Mechanically Fastened To Concrete, Add	1.67	
For Mechanically Fastened To Gypsum, Add	2.10	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.53	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.14	
07 21 13 13-0038 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.05	0.47
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Mechanically Fastened To Concrete, Add	1.71	
For Mechanically Fastened To Gypsum, Add	2.09	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.21	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.91	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.81	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.80	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.37	
07 21 13 13-0039 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.34	0.48
For Horizontal Surface Application, Deduct	-0.10	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Mechanically Fastened To Concrete, Add	1.76	
For Mechanically Fastened To Gypsum, Add	2.44	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.43	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.76	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.07	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	7.96	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.15	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.60	
07 21 13 13-0040 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.71	0.49
For Horizontal Surface Application, Deduct	-0.10	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Mechanically Fastened To Concrete, Add	1.81	
For Mechanically Fastened To Gypsum, Add	2.03	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.76	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.32	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.63	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.64	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.97	
07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0025)</small>		
Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.08	0.43
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.20	
For 40 PSI Compressive Strength, Add	0.46	
For 60 PSI Compressive Strength, Add	0.75	
For 115 PSI Compressive Strength, Add	3.22	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.13	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.20	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13	13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.45	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For 40 PSI Compressive Strength, Add</i>	0.60	
			<i>For 60 PSI Compressive Strength, Add</i>	0.97	
			<i>For 115 PSI Compressive Strength, Add</i>	4.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13	13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.75	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
			<i>For 40 PSI Compressive Strength, Add</i>	0.72	
			<i>For 60 PSI Compressive Strength, Add</i>	1.14	
			<i>For 115 PSI Compressive Strength, Add</i>	4.94	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13	13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.83	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.74	
			<i>For 60 PSI Compressive Strength, Add</i>	1.18	
			<i>For 115 PSI Compressive Strength, Add</i>	5.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13	13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.42	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.56	
			<i>For 40 PSI Compressive Strength, Add</i>	1.33	
			<i>For 60 PSI Compressive Strength, Add</i>	2.08	
			<i>For 115 PSI Compressive Strength, Add</i>	9.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 21 13	13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.00	0.46
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.81	
			<i>For 40 PSI Compressive Strength, Add</i>	1.93	
			<i>For 60 PSI Compressive Strength, Add</i>	2.99	
			<i>For 115 PSI Compressive Strength, Add</i>	13.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0048 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	6.90	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.95	
<i>For 40 PSI Compressive Strength, Add</i>	2.26	
<i>For 60 PSI Compressive Strength, Add</i>	3.50	
<i>For 115 PSI Compressive Strength, Add</i>	15.41	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.09	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.37	
07 21 13 16 Fibrous Board Insulation (07 21 13)		
07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0003 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.71	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0004 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.99	0.65
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0005 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.27	0.76
<i>For Horizontal Surface Application, Deduct</i>	-0.13	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0007 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.87	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0008 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.69	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0009 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.03	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0010 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.11	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0011 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.18	0.46
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation (07 21 13 16)		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012)		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.51	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0015	SF		2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.88	0.65
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 21 13 16-0016	SF		3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	5.24	0.76
			<i>For Horizontal Surface Application, Deduct</i>	-0.13	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 21 13 16-0017			Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF		1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.81	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 16-0019	SF		1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	5.73	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 16-0020	SF		2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.08	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 21 13 16-0021	SF		2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	8.26	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0022 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	9.33	0.46
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 21 13 19 Mineral Board Insulation (07 21 13)		
07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.05	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.44	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.84	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.55	0.60
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.25	0.65
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.66	0.76
<i>For Horizontal Surface Application, Deduct</i>	-0.13	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation (07 21 13 19)		
Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009)		
Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.85	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 19-0012 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.24	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 19-0013 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.64	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0014	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.44	0.60
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 21 13 19-0015	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	4.14	0.65
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 21 13 19-0016	SF		3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	5.64	0.76
			<i>For Horizontal Surface Application, Deduct</i>	-0.13	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 21 16			Blanket Insulation (07 21)		
			Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.		
07 21 16 00-0001			Fiberglass Flexible Insulation (07 21 16)		
			Note: Rolls or batts.		
07 21 16 00-0002			Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003	SF		3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.65	0.58
			<i>For >1,600, Deduct</i>	-0.16	
07 21 16 00-0004	SF		3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.76	0.58
			<i>For >1,600, Deduct</i>	-0.18	
07 21 16 00-0005	SF		3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.79	0.58
			<i>For >1,600, Deduct</i>	-0.19	
07 21 16 00-0006	SF		5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.28	0.58
			<i>For >1,600, Deduct</i>	-0.28	
07 21 16 00-0007	SF		6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	2.01	0.58
			<i>For >1,600, Deduct</i>	-0.22	
07 21 16 00-0008	SF		9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.69	0.72
			<i>For >1,600, Deduct</i>	-0.33	
07 21 16 00-0009	SF		12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	3.07	0.72
			<i>For >1,600, Deduct</i>	-0.37	
07 21 16 00-0010			Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0011	SF		3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.59	0.58
			<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0012	SF		3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.70	0.58
			<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0013	SF		3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	2.15	0.58
			<i>For >1,600, Deduct</i>	-0.26	
07 21 16 00-0014	SF		5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	2.21	0.58
			<i>For >1,600, Deduct</i>	-0.27	
07 21 16 00-0015	SF		6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.96	0.58
			<i>For >1,600, Deduct</i>	-0.21	
07 21 16 00-0016	SF		9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.56	0.72
			<i>For >1,600, Deduct</i>	-0.30	
07 21 16 00-0017	SF		12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	2.98	0.72
			<i>For >1,600, Deduct</i>	-0.35	
07 21 16 00-0018			Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation.....	1.84	0.58
			<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation.....	2.01	0.58
			<i>For >1,600, Deduct</i>	-0.23	
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation.....	2.25	0.58
			<i>For >1,600, Deduct</i>	-0.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0022 SF 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	3.13 -0.39	0.72
07 21 16 00-0023 SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	3.39 -0.43	0.72
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025 SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.69 -0.17	0.58
07 21 16 00-0026 SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.79 -0.19	0.58
07 21 16 00-0027 SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.35 -0.29	0.58
07 21 16 00-0028 SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.03 -0.22	0.58
07 21 16 00-0029 SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.61 -0.32	0.72
07 21 16 00-0030 SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.98 -0.35	0.72
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033 SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.81 -0.19	0.58
07 21 16 00-0034 SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.33 -0.28	0.58
07 21 16 00-0035 SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	3.46 -0.46	0.58
07 21 16 00-0036 SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	4.11 -0.58	0.58
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.71 -0.17	0.58
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.16 -0.25	0.58
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	3.16 -0.42	0.58
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	3.74 -0.50	0.58
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043 UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042) Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	2.34 -0.30	0.58
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	2.59 -0.34	0.58
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	2.85 -0.39	0.58
07 21 16 00-0047 SF 8", R-30 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	3.73 -0.55	0.58
07 21 19 Foamed-In-Place Insulation (07 21)		
07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002 EA Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,481.28	
07 21 19 00-0003 SF 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation..... <i>For Up To 250 SF, Add</i> <i>For >250 To 500 SF, Add</i> <i>For >500 To 1,000 SF, Add</i> <i>For >5,000 To 10,000 SF, Deduct</i> <i>For >10,000 SF, Deduct</i>	1.52 0.57 0.29 0.12 -0.18 -0.45	
07 21 19 00-0004 SF 1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation <i>For Up To 250 SF, Add</i> <i>For >250 To 500 SF, Add</i> <i>For >500 To 1,000 SF, Add</i> <i>For >5,000 To 10,000 SF, Deduct</i> <i>For >10,000 SF, Deduct</i>	2.06 0.75 0.38 0.16 -0.24 -0.59	
07 21 19 00-0005 SF 2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation..... <i>For Up To 250 SF, Add</i> <i>For >250 To 500 SF, Add</i> <i>For >500 To 1,000 SF, Add</i> <i>For >5,000 To 10,000 SF, Deduct</i> <i>For >10,000 SF, Deduct</i>	2.59 0.93 0.46 0.20 -0.30 -0.73	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21	19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.13	
			<i>For Up To 250 SF, Add</i>	1.10	
			<i>For >250 To 500 SF, Add</i>	0.55	
			<i>For >500 To 1,000 SF, Add</i>	0.24	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.35	
			<i>For >10,000 SF, Deduct</i>	-0.87	
07 21	19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.65	
			<i>For Up To 250 SF, Add</i>	1.27	
			<i>For >250 To 500 SF, Add</i>	0.64	
			<i>For >500 To 1,000 SF, Add</i>	0.27	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.41	
			<i>For >10,000 SF, Deduct</i>	-1.00	
07 21	19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.19	
			<i>For Up To 250 SF, Add</i>	1.45	
			<i>For >250 To 500 SF, Add</i>	0.73	
			<i>For >500 To 1,000 SF, Add</i>	0.31	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.47	
			<i>For >10,000 SF, Deduct</i>	-1.14	
07 21	19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.72	
			<i>For Up To 250 SF, Add</i>	1.62	
			<i>For >250 To 500 SF, Add</i>	0.81	
			<i>For >500 To 1,000 SF, Add</i>	0.35	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.52	
			<i>For >10,000 SF, Deduct</i>	-1.27	
07 21	19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.26	
			<i>For Up To 250 SF, Add</i>	1.80	
			<i>For >250 To 500 SF, Add</i>	0.90	
			<i>For >500 To 1,000 SF, Add</i>	0.39	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.58	
			<i>For >10,000 SF, Deduct</i>	-1.41	
07 21	19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.79	
			<i>For Up To 250 SF, Add</i>	1.97	
			<i>For >250 To 500 SF, Add</i>	0.99	
			<i>For >500 To 1,000 SF, Add</i>	0.43	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.64	
			<i>For >10,000 SF, Deduct</i>	-1.55	
07 21	19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.33	
			<i>For Up To 250 SF, Add</i>	2.15	
			<i>For >250 To 500 SF, Add</i>	1.08	
			<i>For >500 To 1,000 SF, Add</i>	0.46	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.70	
			<i>For >10,000 SF, Deduct</i>	-1.69	
07 21	19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.86	
			<i>For Up To 250 SF, Add</i>	2.32	
			<i>For >250 To 500 SF, Add</i>	1.16	
			<i>For >500 To 1,000 SF, Add</i>	0.50	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.75	
			<i>For >10,000 SF, Deduct</i>	-1.82	
07 21	19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.93	
			<i>For Up To 250 SF, Add</i>	1.10	
			<i>For >250 To 500 SF, Add</i>	0.55	
			<i>For >500 To 1,000 SF, Add</i>	0.23	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.35	
			<i>For >10,000 SF, Deduct</i>	-0.86	
07 21	19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.88	
			<i>For Up To 250 SF, Add</i>	1.39	
			<i>For >250 To 500 SF, Add</i>	0.69	
			<i>For >500 To 1,000 SF, Add</i>	0.30	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.44	
			<i>For >10,000 SF, Deduct</i>	-1.09	
07 21	19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.72	
			<i>For Up To 250 SF, Add</i>	1.62	
			<i>For >250 To 500 SF, Add</i>	0.81	
			<i>For >500 To 1,000 SF, Add</i>	0.35	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.52	
			<i>For >10,000 SF, Deduct</i>	-1.27	
07 21	19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.68	
			<i>For Up To 250 SF, Add</i>	1.92	
			<i>For >250 To 500 SF, Add</i>	0.96	
			<i>For >500 To 1,000 SF, Add</i>	0.41	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.62	
			<i>For >10,000 SF, Deduct</i>	-1.50	
07 21	19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.51	
			<i>For Up To 250 SF, Add</i>	2.15	
			<i>For >250 To 500 SF, Add</i>	1.07	
			<i>For >500 To 1,000 SF, Add</i>	0.47	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.70	
			<i>For >10,000 SF, Deduct</i>	-1.68	
07 21	19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.48	
			<i>For Up To 250 SF, Add</i>	2.45	
			<i>For >250 To 500 SF, Add</i>	1.22	
			<i>For >500 To 1,000 SF, Add</i>	0.53	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.80	
			<i>For >10,000 SF, Deduct</i>	-1.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0020 SF 4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.32	
For Up To 250 SF, Add	2.68	
For >250 To 500 SF, Add	1.34	
For >500 To 1,000 SF, Add	0.59	
For >5,000 To 10,000 SF, Deduct	-0.88	
For >10,000 SF, Deduct	-2.10	
07 21 19 00-0021 SF 4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.28	
For Up To 250 SF, Add	2.98	
For >250 To 500 SF, Add	1.49	
For >500 To 1,000 SF, Add	0.65	
For >5,000 To 10,000 SF, Deduct	-0.98	
For >10,000 SF, Deduct	-2.33	
07 21 19 00-0022 SF 5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.11	
For Up To 250 SF, Add	3.21	
For >250 To 500 SF, Add	1.61	
For >500 To 1,000 SF, Add	0.70	
For >5,000 To 10,000 SF, Deduct	-1.06	
For >10,000 SF, Deduct	-2.51	
07 21 19 00-0023 SF 5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.07	
For Up To 250 SF, Add	3.50	
For >250 To 500 SF, Add	1.75	
For >500 To 1,000 SF, Add	0.77	
For >5,000 To 10,000 SF, Deduct	-1.15	
For >10,000 SF, Deduct	-2.74	
07 21 19 00-0024 SF 6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.90	
For Up To 250 SF, Add	3.74	
For >250 To 500 SF, Add	1.87	
For >500 To 1,000 SF, Add	0.82	
For >5,000 To 10,000 SF, Deduct	-1.23	
For >10,000 SF, Deduct	-2.92	
07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames (07 21 19)		
07 21 19 00-0026 LF Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.29	
07 21 19 00-0027 LF Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	6.60	
07 21 19 00-0028 LF Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	7.93	
07 21 19 00-0029 LF Expanding Foam Insulation To Fill 8-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	9.30	
07 21 19 00-0030 LF Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame.....	10.75	
07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames (07 21 19)		
07 21 19 00-0032 LF Expanding Foam Insulation To Fill Window Frame.....	5.19	
07 21 23 Loose-Fill Insulation (07 21)		
07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002 CF R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	8.30	3.35
07 21 23 00-0003 CF R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.32	3.35
07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005 CF R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	10.63	3.35
07 21 23 00-0006 CF R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	10.55	3.35
07 21 26 Blown Insulation (07 21)		
07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003 SF 4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.65	1.38
07 21 26 00-0004 SF 5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.84	1.52
07 21 26 00-0005 SF 6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	2.04	1.66
07 21 26 00-0006 SF 7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	2.26	1.79
07 21 26 00-0007 SF 8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.41	1.87
07 21 26 00-0008 SF 10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.58	1.93
07 21 26 00-0009 SF 11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.76	2.00
07 21 26 00-0010 SF 12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.89	2.07
07 21 26 00-0011 SF 13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	3.10	2.21
07 21 26 00-0012 SF 14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	3.26	2.28
07 21 26 00-0013 SF 16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	3.49	2.35
07 21 26 00-0014 SF 18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.77	2.48
07 21 26 00-0015 SF 21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	4.35	2.76
07 21 26 00-0016 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0017 SF 3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.31	1.38
07 21 26 00-0018 SF 5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.05	1.66
07 21 26 00-0019 SF 7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.58	1.79
07 21 26 00-0020 SF 9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.22	1.93

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0021 Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001) Note: Includes drilling. Excludes patching.		
07 21 26 00-0022 SF 3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.21	1.38
07 21 26 00-0023 SF 5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.95	1.66
07 21 26 00-0024 SF 7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.48	1.79
07 21 26 00-0025 SF 9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.12	1.93
07 21 26 00-0026 Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0027 Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)		
07 21 26 00-0028 SF 3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.63	1.38
07 21 26 00-0029 SF 5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.91	1.52
07 21 26 00-0030 SF 6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.12	1.66
07 21 26 00-0031 SF 7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.40	1.79
07 21 26 00-0032 SF 8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.44	1.79
07 21 26 00-0033 SF 10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	2.77	1.93
07 21 26 00-0034 SF 11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	2.83	1.93
07 21 26 00-0035 SF 12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.08	2.07
07 21 26 00-0036 SF 13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.22	2.07
07 21 26 00-0037 SF 15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	3.47	2.21
07 21 26 00-0038 SF 16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.61	2.21
07 21 26 00-0039 New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)		
07 21 26 00-0040 SF 3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.02	1.38
07 21 26 00-0041 SF 5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.61	1.66
07 21 26 00-0042 SF 7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.99	1.79
07 21 26 00-0043 SF 9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.46	1.93
07 21 26 00-0044 Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026) Note: Includes drilling. Excludes patching.		
07 21 26 00-0045 SF 3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.92	1.38
07 21 26 00-0046 SF 5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.51	1.66
07 21 26 00-0047 SF 7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.89	1.79
07 21 26 00-0048 SF 9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.36	1.93
07 21 29 Sprayed Insulation (07 21)		
07 21 29 00-0001 Fiber Sprayed On Insulation (07 21 29) Note: Per each 1" of thickness.		
07 21 29 00-0002 SF 1" Thick, R2.7, Spray-on Perlite Insulation	2.37	0.71
07 21 29 00-0003 SF 1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	1.74	0.71
07 21 29 00-0004 Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005 SF 1" Thick, Spray-on Cellulose Insulation	3.33	0.71
07 21 53 Reflective Insulation (07 21)		
07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002 SF 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.31	
07 22 Roof and Deck Insulation (07 20)		
07 22 16 Roof Board Insulation (07 22) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001 Rigid Board Roofing Insulation (07 22 16) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003 Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.49	
07 22 16 00-0005 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.92	
07 22 16 00-0006 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.33	
07 22 16 00-0007 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.09	
07 22 16 00-0008 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.84	
07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)		



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0010 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.71	
07 22 16 00-0011 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	3.20	
07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0013 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.43	
07 22 16 00-0014 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.43	
07 22 16 00-0015 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.68	
07 22 16 00-0016 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.98	
07 22 16 00-0017 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	3.72	
07 22 16 00-0018 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	4.18	
07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0020 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	3.38	
07 22 16 00-0021 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	4.55	
07 22 16 00-0022 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	5.93	
07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0024 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	6.31	
07 22 16 00-0025 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	7.44	
07 22 16 00-0026 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	9.70	
07 22 16 00-0027 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	12.58	
07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0029 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.36	
<i>For Loose-Laid, Deduct</i>	-1.30	
07 22 16 00-0030 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.44	
<i>For Loose-Laid, Deduct</i>	-1.30	
07 22 16 00-0031 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.71	
<i>For Loose-Laid, Deduct</i>	-1.30	
07 22 16 00-0032 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.98	
<i>For Loose-Laid, Deduct</i>	-1.30	
07 22 16 00-0033 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	4.09	
<i>For Loose-Laid, Deduct</i>	-1.32	
07 22 16 00-0034 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	5.19	
<i>For Loose-Laid, Deduct</i>	-1.33	
07 22 16 00-0035 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	6.29	
<i>For Loose-Laid, Deduct</i>	-1.35	
07 22 16 00-0036 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	7.39	
<i>For Loose-Laid, Deduct</i>	-1.36	
07 22 16 00-0037 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	8.50	
<i>For Loose-Laid, Deduct</i>	-1.38	
07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
Note: 15 PSI compressive strength.		
07 22 16 00-0039 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	3.20	
<i>For Loose-Laid, Deduct</i>	-1.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.33	
<i>For 40 PSI Compressive Strength, Add</i>	0.79	
<i>For 60 PSI Compressive Strength, Add</i>	1.27	
<i>For 115 PSI Compressive Strength, Add</i>	5.48	
07 22 16 00-0040 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	3.28	
<i>For Loose-Laid, Deduct</i>	-1.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.35	
<i>For 40 PSI Compressive Strength, Add</i>	0.82	
<i>For 60 PSI Compressive Strength, Add</i>	1.31	
<i>For 115 PSI Compressive Strength, Add</i>	5.66	
07 22 16 00-0041 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	4.15	
<i>For Loose-Laid, Deduct</i>	-1.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.48	
<i>For 40 PSI Compressive Strength, Add</i>	1.15	
<i>For 60 PSI Compressive Strength, Add</i>	1.81	
<i>For 100 PSI Compressive Strength, Add</i>	2.33	
<i>For 115 PSI Compressive Strength, Add</i>	7.90	
07 22 16 00-0042 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	4.77	
<i>For Loose-Laid, Deduct</i>	-1.27	
<i>For 25 PSI Compressive Strength, Add</i>	0.58	
<i>For 40 PSI Compressive Strength, Add</i>	1.38	
<i>For 60 PSI Compressive Strength, Add</i>	2.16	
<i>For 115 PSI Compressive Strength, Add</i>	9.42	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0043	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.73	
			<i>For Loose-Laid, Deduct</i>	-1.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.73	
			<i>For 40 PSI Compressive Strength, Add</i>	1.74	
			<i>For 60 PSI Compressive Strength, Add</i>	2.71	
			<i>For 100 PSI Compressive Strength, Add</i>	3.49	
			<i>For 115 PSI Compressive Strength, Add</i>	11.89	
07 22 16 00-0044	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.27	
			<i>For Loose-Laid, Deduct</i>	-1.28	
			<i>For 25 PSI Compressive Strength, Add</i>	0.81	
			<i>For 40 PSI Compressive Strength, Add</i>	1.93	
			<i>For 60 PSI Compressive Strength, Add</i>	3.01	
			<i>For 115 PSI Compressive Strength, Add</i>	13.20	
07 22 16 00-0045	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.04	
			<i>For Loose-Laid, Deduct</i>	-1.30	
			<i>For 25 PSI Compressive Strength, Add</i>	0.93	
			<i>For 40 PSI Compressive Strength, Add</i>	2.22	
			<i>For 60 PSI Compressive Strength, Add</i>	3.44	
			<i>For 115 PSI Compressive Strength, Add</i>	15.10	
07 22 16 00-0046			Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0047	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.86	
			<i>For Loose-Laid, Deduct</i>	-1.25	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
07 22 16 00-0048	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.98	
			<i>For Loose-Laid, Deduct</i>	-1.25	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0049	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.15	
			<i>For Loose-Laid, Deduct</i>	-1.26	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0050	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.60	
			<i>For Loose-Laid, Deduct</i>	-1.27	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0051	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.05	
			<i>For Loose-Laid, Deduct</i>	-1.27	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0052	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.51	
			<i>For Loose-Laid, Deduct</i>	-1.28	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.33	
07 22 16 00-0053	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.00	
			<i>For Loose-Laid, Deduct</i>	-1.29	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
07 22 16 00-0054	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.45	
			<i>For Loose-Laid, Deduct</i>	-1.30	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
07 22 16 00-0055			Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0056	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.24	
07 22 16 00-0057			Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0002)</small>		
07 22 16 00-0058	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.07	
07 22 16 00-0059	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.26	
07 22 16 00-0060	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.38	
07 22 16 00-0061	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.45	
07 22 16 00-0062			Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0002)</small>		
07 22 16 00-0063	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.01	
07 22 16 00-0064	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.29	
07 22 16 00-0065	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.35	
07 22 16 00-0066			Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation <small>(07 22 16 00-0002)</small>		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.22	
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0069 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.84	
07 22 16 00-0070 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.07	
07 22 16 00-0071 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.59	
07 22 16 00-0072 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.81	
07 22 16 00-0073 SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.17	
07 22 16 00-0074 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0002)		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075 SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.27	
07 22 16 00-0076 SF 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.74	
07 22 16 00-0077 SF 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.29	
07 22 16 00-0078 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.66	
07 22 16 00-0079 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.11	
07 22 16 00-0080 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.61	
07 22 16 00-0081 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.51	
07 22 16 00-0082 Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0083 Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0084 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.23	
07 22 16 00-0085 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.64	
07 22 16 00-0086 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.07	
07 22 16 00-0087 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.84	
07 22 16 00-0088 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.61	
07 22 16 00-0089 Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0090 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.44	
07 22 16 00-0091 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.94	
07 22 16 00-0092 Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0093 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.14	
07 22 16 00-0094 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.38	
07 22 16 00-0095 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.69	
07 22 16 00-0096 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.42	
07 22 16 00-0097 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	3.89	
07 22 16 00-0098 Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0099 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.09	
07 22 16 00-0100 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.25	
07 22 16 00-0101 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	5.66	
07 22 16 00-0102 Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0103 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.02	
07 22 16 00-0104 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.15	
07 22 16 00-0105 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.42	
07 22 16 00-0106 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.31	
07 22 16 00-0107 Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0108 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.08	
07 22 16 00-0109 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.15	
07 22 16 00-0110 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.30	
07 22 16 00-0111 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.69	
07 22 16 00-0112 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.80	
07 22 16 00-0113 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.92	
07 22 16 00-0114 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.02	
07 22 16 00-0115 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.13	
07 22 16 00-0116 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.23	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0117	Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
	Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.90	
	For 25 PSI Compressive Strength, Add	0.27	
	For 40 PSI Compressive Strength, Add	0.64	
	For 60 PSI Compressive Strength, Add	1.04	
	For 115 PSI Compressive Strength, Add	4.44	
07 22 16 00-0119	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.98	
	For 25 PSI Compressive Strength, Add	0.28	
	For 40 PSI Compressive Strength, Add	0.67	
	For 60 PSI Compressive Strength, Add	1.08	
	For 115 PSI Compressive Strength, Add	4.62	
07 22 16 00-0120	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.85	
	For 25 PSI Compressive Strength, Add	0.42	
	For 40 PSI Compressive Strength, Add	1.00	
	For 60 PSI Compressive Strength, Add	1.58	
	For 100 PSI Compressive Strength, Add	2.03	
	For 115 PSI Compressive Strength, Add	6.86	
07 22 16 00-0121	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.62	
	For 25 PSI Compressive Strength, Add	0.52	
	For 40 PSI Compressive Strength, Add	1.22	
	For 60 PSI Compressive Strength, Add	1.94	
	For 115 PSI Compressive Strength, Add	8.42	
07 22 16 00-0122	SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	16.82	
	For 25 PSI Compressive Strength, Add	0.67	
	For 40 PSI Compressive Strength, Add	1.59	
	For 60 PSI Compressive Strength, Add	3.06	
	For 100 PSI Compressive Strength, Add	3.77	
	For 115 PSI Compressive Strength, Add	12.01	
07 22 16 00-0123	SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.00	
	For 25 PSI Compressive Strength, Add	0.75	
	For 40 PSI Compressive Strength, Add	1.78	
	For 60 PSI Compressive Strength, Add	2.79	
	For 115 PSI Compressive Strength, Add	12.18	
07 22 16 00-0124	SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.75	
	For 25 PSI Compressive Strength, Add	0.87	
	For 40 PSI Compressive Strength, Add	2.06	
	For 60 PSI Compressive Strength, Add	3.21	
	For 115 PSI Compressive Strength, Add	14.06	
07 22 16 00-0125	Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)		
07 22 16 00-0126	SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.58	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0127	SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.68	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0128	SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.86	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.16	
07 22 16 00-0129	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.31	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.21	
07 22 16 00-0130	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.78	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.25	
07 22 16 00-0131	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.24	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.29	
07 22 16 00-0132	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.60	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.34	
07 22 16 00-0133	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.16	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.38	
07 22 16 00-0134	Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0135	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.81	
07 22 16 00-0136	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.99	
07 22 16 00-0137	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.12	
07 22 16 00-0138	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.18	
07 22 16 00-0139	Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0140	SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.74	
07 22 16 00-0141	SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.02	
07 22 16 00-0142	SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.09	
07 22 16 00-0143	Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)		
	Note: Mechanically fastened to wood or steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.29	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.47	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0146 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.72	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.49	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.53	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0147 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.13	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0148 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.98	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0149 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	4.73	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.01	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.88	
07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.51	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0152 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	3.00	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.52	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.23	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.42	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0155 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.48	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.42	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0156 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.78	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.42	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0157 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.61	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0158 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.07	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.88	
07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-		
0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.18	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.42	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0161 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	4.43	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.88	
07 22 16 00-0162 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	5.91	
For Mechanically Fastened To Concrete, Add	1.67	
For Mechanically Fastened To Gypsum, Add	2.10	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.73	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.80	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.53	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.89	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.14	
07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board		
Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.20	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0165 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	7.33	
<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 22 16 00-0166 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.68	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.73	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.80	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.89	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0167 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	12.71	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.66	
07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation		
(07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.49	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0170 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.24	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.49	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0171 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.51	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.49	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0172 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.78	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.49	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0173 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.97	
<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 22 16 00-0174 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.80	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.92	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0175 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	6.42	
For Mechanically Fastened To Concrete, Add	1.71	
For Mechanically Fastened To Gypsum, Add	2.09	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.21	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.91	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.81	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.80	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.37	
07 22 16 00-0176 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	7.71	
For Mechanically Fastened To Concrete, Add	1.76	
For Mechanically Fastened To Gypsum, Add	2.06	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.43	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.76	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.51	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.15	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.15	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.04	
07 22 16 00-0177 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	9.34	
For Mechanically Fastened To Concrete, Add	1.81	
For Mechanically Fastened To Gypsum, Add	2.03	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.76	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.77	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.63	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.64	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.42	
07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0143)		
Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.00	
For 25 PSI Compressive Strength, Add	0.30	
For 40 PSI Compressive Strength, Add	0.72	
For 60 PSI Compressive Strength, Add	1.15	
For 115 PSI Compressive Strength, Add	4.97	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.42	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0180 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.08	
For 25 PSI Compressive Strength, Add	0.31	
For 40 PSI Compressive Strength, Add	0.74	
For 60 PSI Compressive Strength, Add	1.19	
For 115 PSI Compressive Strength, Add	5.15	
For Mechanically Fastened To Concrete, Add	1.57	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.42	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0181 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.04	
For 25 PSI Compressive Strength, Add	0.47	
For 40 PSI Compressive Strength, Add	1.11	
For 60 PSI Compressive Strength, Add	1.75	
For 100 PSI Compressive Strength, Add	2.25	
For 115 PSI Compressive Strength, Add	7.62	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0182 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.66	
For 25 PSI Compressive Strength, Add	0.56	
For 40 PSI Compressive Strength, Add	1.33	
For 60 PSI Compressive Strength, Add	2.09	
For 115 PSI Compressive Strength, Add	9.14	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Gypsum, Add	2.01	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0183 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.71	
<i>For 25 PSI Compressive Strength, Add</i>	0.73	
<i>For 40 PSI Compressive Strength, Add</i>	1.73	
<i>For 60 PSI Compressive Strength, Add</i>	2.70	
<i>For 100 PSI Compressive Strength, Add</i>	3.48	
<i>For 115 PSI Compressive Strength, Add</i>	11.83	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.72	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.88	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	
07 22 16 00-0184 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.81	
<i>For 40 PSI Compressive Strength, Add</i>	1.93	
<i>For 60 PSI Compressive Strength, Add</i>	3.00	
<i>For 115 PSI Compressive Strength, Add</i>	13.15	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.73	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.80	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.89	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0185 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.17	
<i>For 25 PSI Compressive Strength, Add</i>	0.95	
<i>For 40 PSI Compressive Strength, Add</i>	2.26	
<i>For 60 PSI Compressive Strength, Add</i>	3.52	
<i>For 115 PSI Compressive Strength, Add</i>	15.44	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.09	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.37	
07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.66	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.42	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.46	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0188 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.78	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.42	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.46	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0189 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.04	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.19	
<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

07 22 16 00-0190	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.49	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.23	
	For Mechanically Fastened To Concrete, Add	1.62	
	For Mechanically Fastened To Gypsum, Add	2.01	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.88	
07 22 16 00-0191	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.03	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.29	
	For Mechanically Fastened To Concrete, Add	1.67	
	For Mechanically Fastened To Gypsum, Add	2.04	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.72	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.71	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.53	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.88	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.06	
07 22 16 00-0192	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.49	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.33	
	For Mechanically Fastened To Concrete, Add	1.67	
	For Mechanically Fastened To Gypsum, Add	2.10	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.73	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.80	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.53	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.89	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.14	
07 22 16 00-0193	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.13	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.39	
	For Mechanically Fastened To Concrete, Add	1.71	
	For Mechanically Fastened To Gypsum, Add	2.02	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.21	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.81	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.80	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0194	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.58	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.44	
	For Mechanically Fastened To Concrete, Add	1.71	
	For Mechanically Fastened To Gypsum, Add	2.09	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.21	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.91	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.81	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.80	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.37	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.04	
	For Mechanically Fastened To Concrete, Add	1.57	
	For Mechanically Fastened To Gypsum, Add	2.07	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.47	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.87	
	For Mechanically Fastened To Concrete, Add	1.57	
	For Mechanically Fastened To Gypsum, Add	2.07	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.47	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.56	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.09	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0199 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.06	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.47	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0200 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.18	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.47	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0201 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.25	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.47	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)		
<small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0203 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.81	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.47	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0204 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.09	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.47	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0205 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.15	
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.47	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation		
<small>(07 22 16 00-0143)</small>		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0207 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.11	
<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	
07 22 16 00-0208 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.37	
<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.59	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.88	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

07 22 16 00-0209	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.82	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.90	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.06	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	
07 22 16 00-0210	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.07	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0211	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.72	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.42	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.85	
07 22 16 00-0212	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.94	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.09	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.37	
07 22 16 00-0213	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.48	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.23	
07 22 16 00-0214			Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0143)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0215	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.25	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.05	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	
07 22 16 00-0216	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.71	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.90	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.06	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0217	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.42	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.40	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0218 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.79	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.09	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.37	
07 22 16 00-0219 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.43	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.65	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.18	
07 22 16 00-0220 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.93	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.66	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.19	
07 22 16 00-0221 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	9.11	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.03	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.95	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.60	
07 22 16 00-0222 Rigid Board Tapered Roofing Insulation (07 22 16)		
Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226 SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
07 22 16 00-0227 SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.00	
<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0228 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.60	
<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0229 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.20	
<i>For 25 PSI Compressive Strength, Add</i>	0.52	
07 22 16 00-0230 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.80	
<i>For 25 PSI Compressive Strength, Add</i>	0.58	
07 22 16 00-0231 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	10.75	
<i>For 25 PSI Compressive Strength, Add</i>	0.64	
07 22 16 00-0232 SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.35	
<i>For 25 PSI Compressive Strength, Add</i>	0.70	
07 22 16 00-0233 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.95	
<i>For 25 PSI Compressive Strength, Add</i>	0.76	
07 22 16 00-0234 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.55	
<i>For 25 PSI Compressive Strength, Add</i>	0.82	
07 22 16 00-0235 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.50	
<i>For 25 PSI Compressive Strength, Add</i>	0.88	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0236			Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0224)</small>		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.75	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.30	
			<i>For 25 PSI Compressive Strength, Add</i>	0.43	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.50	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.67	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	12.25	
			<i>For 25 PSI Compressive Strength, Add</i>	0.79	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	14.80	
			<i>For 25 PSI Compressive Strength, Add</i>	0.91	
07 22 16 00-0243			Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0224)</small>		
07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.90	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.65	
			<i>For 25 PSI Compressive Strength, Add</i>	0.73	
07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	15.40	
			<i>For 25 PSI Compressive Strength, Add</i>	0.97	
07 22 16 00-0247	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	19.15	
			<i>For 25 PSI Compressive Strength, Add</i>	1.22	
07 22 16 00-0248			Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0223)</small>		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0249			Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>		
07 22 16 00-0250	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.38	
07 22 16 00-0251	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.33	
07 22 16 00-0252	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.78	
07 22 16 00-0253	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.23	
07 22 16 00-0254	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.68	
07 22 16 00-0255	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.64	
07 22 16 00-0256	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.09	
07 22 16 00-0257	SF		5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.54	
07 22 16 00-0258	SF		6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.99	
07 22 16 00-0259	SF		6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.95	
07 22 16 00-0260			Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>		
07 22 16 00-0261	SF		2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.15	
07 22 16 00-0262	SF		3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.55	
07 22 16 00-0263	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.46	
07 22 16 00-0264	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.87	
07 22 16 00-0265	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.77	
07 22 16 00-0266	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.17	
07 22 16 00-0267			Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0268 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.01	
07 22 16 00-0269 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.32	
07 22 16 00-0270 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.62	
07 22 16 00-0271 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	17.38	
07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0223)</small>		
<i>Note: Includes polyurethane adhesive.</i>		
07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>		
07 22 16 00-0274 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.92	
07 22 16 00-0275 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.86	
07 22 16 00-0276 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.43	
07 22 16 00-0277 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.00	
07 22 16 00-0278 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.57	
07 22 16 00-0279 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.53	
07 22 16 00-0280 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.10	
07 22 16 00-0281 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.67	
07 22 16 00-0282 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.24	
07 22 16 00-0283 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.19	
07 22 16 00-0284 Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>		
07 22 16 00-0285 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.63	
07 22 16 00-0286 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.15	
07 22 16 00-0287 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.29	
07 22 16 00-0288 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.81	
07 22 16 00-0289 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.95	
07 22 16 00-0290 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.47	
07 22 16 00-0291 Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>		
07 22 16 00-0292 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.72	
<i>For Mechanically Fastened To Concrete, Add</i>		1.67
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>		2.10
07 22 16 00-0293 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.39	
07 22 16 00-0294 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.04	
07 22 16 00-0295 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	18.71	
07 22 16 00-0296 Cold Adhesive Applied, Tapered Perlite Board <small>(07 22 16 00-0223)</small>		
<i>Note: Includes polyurethane adhesive.</i>		
07 22 16 00-0297 Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>		
07 22 16 00-0298 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.25	
07 22 16 00-0299 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.52	
07 22 16 00-0300 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.76	
07 22 16 00-0301 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.34	
07 22 16 00-0302 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.57	
07 22 16 00-0303 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.84	
07 22 16 00-0304 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.07	
07 22 16 00-0305 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.65	
07 22 16 00-0306 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.88	
07 22 16 00-0307 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.16	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0308	Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0296)		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.63
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.14
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.95
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.45
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.27
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.78
07 22 16 00-0315	Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0296)		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.37
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.68
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.01
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	23.32
07 22 16 00-0320	Hot-Mopped Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0321	Hot-Mopped, Tapered Polyisocyanurate Board (07 22 16 00-0320)		
07 22 16 00-0322	Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.65
		<i>For 25 PSI Compressive Strength, Add</i>	0.30
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.55
		<i>For 25 PSI Compressive Strength, Add</i>	0.32
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.15
		<i>For 25 PSI Compressive Strength, Add</i>	0.38
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.44
		<i>For 25 PSI Compressive Strength, Add</i>	0.44
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.35
		<i>For 25 PSI Compressive Strength, Add</i>	0.50
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.08
		<i>For 25 PSI Compressive Strength, Add</i>	0.53
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.68
		<i>For 25 PSI Compressive Strength, Add</i>	0.59
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.28
		<i>For 25 PSI Compressive Strength, Add</i>	0.65
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.88
		<i>For 25 PSI Compressive Strength, Add</i>	0.71
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	13.60
		<i>For 25 PSI Compressive Strength, Add</i>	0.74
07 22 16 00-0333	Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.52
		<i>For 25 PSI Compressive Strength, Add</i>	0.27
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.85
		<i>For 25 PSI Compressive Strength, Add</i>	0.35
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.05
		<i>For 25 PSI Compressive Strength, Add</i>	0.47
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.38
		<i>For 25 PSI Compressive Strength, Add</i>	0.56
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.58
		<i>For 25 PSI Compressive Strength, Add</i>	0.68
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	13.90
		<i>For 25 PSI Compressive Strength, Add</i>	0.77
07 22 16 00-0340	Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.45
		<i>For 25 PSI Compressive Strength, Add</i>	0.41
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.98
		<i>For 25 PSI Compressive Strength, Add</i>	0.62
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	14.50
		<i>For 25 PSI Compressive Strength, Add</i>	0.83
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	18.03
		<i>For 25 PSI Compressive Strength, Add</i>	1.03
07 22 16 00-0345	Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)		
07 22 16 00-0346	Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.37
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.07
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.31
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.24
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.48
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	12.16
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	13.39
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	13.33



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 22 16 00-0355	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	14.57	
	07 22 16 00-0356	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	16.26	
	07 22 16 00-0357			Hot-Mopped, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0345)</small>		
	07 22 16 00-0358	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	5.75	
	07 22 16 00-0359	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	8.69	
	07 22 16 00-0360	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.86	
	07 22 16 00-0361	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	12.78	
	07 22 16 00-0362	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	13.95	
	07 22 16 00-0363	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	16.88	
	07 22 16 00-0364			Hot-Mopped, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0345)</small>		
	07 22 16 00-0365	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	9.92	
	07 22 16 00-0366	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	14.01	
	07 22 16 00-0367	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	74.24	
	07 22 16 00-0368	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	22.19	
	07 22 16 00-0369			Mechanically Fastened Tapered Roofing Insulation <small>(07 22 16 00-0222)</small>		
				Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
	07 22 16 00-0370			Mechanically Fastened, Tapered Polyisocyanurate Board <small>(07 22 16 00-0369)</small>		
				Note: Mechanically fastened to wood or steel.		
	07 22 16 00-0371			Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>		
	07 22 16 00-0372	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.94	
				<i>For 25 PSI Compressive Strength, Add</i>	0.33	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.98	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
	07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.33	
				<i>For 25 PSI Compressive Strength, Add</i>	0.33	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	
	07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.93	
				<i>For 25 PSI Compressive Strength, Add</i>	0.39	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
	07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.68	
				<i>For 25 PSI Compressive Strength, Add</i>	0.47	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.84	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.27	
	07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.28	
				<i>For 25 PSI Compressive Strength, Add</i>	0.53	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.09	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.91	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.37	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.78
		<i>For 25 PSI Compressive Strength, Add</i>	0.55
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.38
		<i>For 25 PSI Compressive Strength, Add</i>	0.61
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.26
		<i>For 25 PSI Compressive Strength, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, Add</i>	1.81
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.86
		<i>For 25 PSI Compressive Strength, Add</i>	0.75
		<i>For Mechanically Fastened To Concrete, Add</i>	1.81
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	13.45
		<i>For 25 PSI Compressive Strength, Add</i>	0.78
		<i>For Mechanically Fastened To Concrete, Add</i>	1.81
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>	
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.64
		<i>For 25 PSI Compressive Strength, Add</i>	0.30
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.98
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.84
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.63
		<i>For 25 PSI Compressive Strength, Add</i>	0.36
		<i>For Mechanically Fastened To Concrete, Add</i>	1.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.71
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0385 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.98	
<i>For 25 PSI Compressive Strength, Add</i>	0.50	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.84	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.27	
07 22 16 00-0386 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.08	
<i>For 25 PSI Compressive Strength, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0387 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.56	
<i>For 25 PSI Compressive Strength, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0388 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.75	
<i>For 25 PSI Compressive Strength, Add</i>	0.81	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	
07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>		
07 22 16 00-0390 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.23	
<i>For 25 PSI Compressive Strength, Add</i>	0.42	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0391 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.30	
<i>For 25 PSI Compressive Strength, Add</i>	0.60	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0392 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.35	
<i>For 25 PSI Compressive Strength, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0393	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	18.24	
			<i>For 25 PSI Compressive Strength, Add</i>	1.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	2.30	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	4.65	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	4.29	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	6.98	
07 22 16 00-0394			Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0369)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395			Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>		
07 22 16 00-0396	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.26	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.98	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.67	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.72	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.84	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.27	
07 22 16 00-0400	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.09	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.37	
07 22 16 00-0401	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.67	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0402	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0403 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.85	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0404 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0405 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.90	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	
07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>		
07 22 16 00-0407 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.98	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0408 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.89	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	
07 22 16 00-0409 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.94	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.84	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.27	
07 22 16 00-0410 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.89	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0411 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.08	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0412 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	12.12	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	
07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0414 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0415 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0416 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	12.57	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	
07 22 16 00-0417 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	16.47	
<i>For Mechanically Fastened To Concrete, Add</i>	2.30	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	4.65	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	4.29	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	6.98	
07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0369)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0420 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.80	
<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.98	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0421 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.20	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0422 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0423 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.49	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.84	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.27	
07 22 16 00-0424 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.06	
<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.09	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.37	
07 22 16 00-0425 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.56	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0426 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.13	
<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0427 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.98	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0428 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.55	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0429 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	13.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.52
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.98
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.84
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.48
		<i>For Mechanically Fastened To Concrete, Add</i>	1.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.71
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.06
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.77
		<i>For Mechanically Fastened To Concrete, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.84
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.27
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.84
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.27
		<i>For Mechanically Fastened To Concrete, Add</i>	1.81
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	13.42
		<i>For Mechanically Fastened To Concrete, Add</i>	1.81
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.05
		<i>For Mechanically Fastened To Concrete, Add</i>	1.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.14
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.41
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0440 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	13.99	
For Mechanically Fastened To Concrete, Add	1.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.04	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.38	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.70	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.05	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.06	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.54	
07 22 16 00-0441 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	17.55	
For Mechanically Fastened To Concrete, Add	2.30	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.65	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.29	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.98	
07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0444 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.49	
For Mechanically Fastened To Concrete, Add	1.62	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.98	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0445 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.86	
For Mechanically Fastened To Concrete, Add	1.67	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.04	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.71	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.53	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.06	
07 22 16 00-0446 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.09	
For Mechanically Fastened To Concrete, Add	1.67	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.10	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.34	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.76	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.53	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.14	
07 22 16 00-0447 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.18	
For Mechanically Fastened To Concrete, Add	1.71	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.02	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.21	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.84	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.81	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.80	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.27	
07 22 16 00-0448 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.41	
For Mechanically Fastened To Concrete, Add	1.71	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.09	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.21	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.91	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.81	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.80	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.37	
07 22 16 00-0449 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.86	
For Mechanically Fastened To Concrete, Add	1.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.06	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.43	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.07	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.15	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.60	
07 22 16 00-0450 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.10	
For Mechanically Fastened To Concrete, Add	1.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.06	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.43	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.76	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.07	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.15	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.60	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

07 22 16 00-0451	SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.32	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0452	SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.55	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0453	SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	16.11	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0455	SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.88	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.98	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0456	SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.48	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.06	
07 22 16 00-0457	SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.80	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.21	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.53	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.84	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.81	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.80	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.27	
07 22 16 00-0458	SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.48	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0459	SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.93	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.03	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.76	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.10	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.32	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.63	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.64	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.97	
07 22 16 00-0460	SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	16.73	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

07 22 16 00-0461	Mechanically Fastened, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0442)</small>		
07 22 16 00-0462	SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.71	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.02	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.34	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.53	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.50	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0463	SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.71	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.06	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.43	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.07	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.15	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.15	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.60	
07 22 16 00-0464	SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	17.96	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.81	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.04	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.38	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.05	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.06	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	
07 22 16 00-0465	SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	22.41	
	<i>For Mechanically Fastened To Concrete, Add</i>	2.30	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	4.65	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.70	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	4.29	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	6.98	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.54	

07 22 16 00-0466	Demolish Rigid Board Roofing Insulation <small>(07 22 16)</small>		
	Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0467	SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.62	
07 22 16 00-0468	SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.64	
07 22 16 00-0469	SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.65	
07 22 16 00-0470	SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.68	
07 22 16 00-0471	SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.69	
07 22 16 00-0472	SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.71	
07 22 16 00-0473	SF Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.72	
07 22 16 00-0474	SF Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.74	
07 22 16 00-0475	SF Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.76	
07 22 16 00-0476	SF Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.78	
07 22 16 00-0477	SF Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.80	
07 22 16 00-0478	SF Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.81	
07 22 16 00-0479	SF Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.83	

07 24 Exterior Insulation and Finish Systems (07 20)

07 24 13	Polymer-Based Exterior Insulation and Finish System <small>(07 24)</small>		
07 24 13 00-0001	Exterior Insulation Finishing System (EIFS) <small>(07 24 13)</small>		
07 24 13 00-0002	Insulation For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0003	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.20	
	<i>For Up To 100, Add</i>	0.88	
	<i>For >100 To 500, Add</i>	0.44	
	<i>For >5,000, Deduct</i>	-0.18	
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.51	
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.26	
07 24 13 00-0004	SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.77	
	<i>For Up To 100, Add</i>	0.90	
	<i>For >100 To 500, Add</i>	0.45	
	<i>For >5,000, Deduct</i>	-0.18	
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.54	
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.27	
07 24 13 00-0005	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.32	
	<i>For Up To 100, Add</i>	0.91	
	<i>For >100 To 500, Add</i>	0.45	
	<i>For >5,000, Deduct</i>	-0.18	
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.72	
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.42	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	5.89		
		<i>For Up To 100, Add</i>	0.92		
		<i>For >100 To 500, Add</i>	0.46		
		<i>For >5,000, Deduct</i>	-0.18		
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.80		
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.54		
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	6.44		
		<i>For Up To 100, Add</i>	0.93		
		<i>For >100 To 500, Add</i>	0.47		
		<i>For >5,000, Deduct</i>	-0.19		
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.80		
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.54		
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	7.54		
		<i>For Up To 100, Add</i>	0.94		
		<i>For >100 To 500, Add</i>	0.47		
		<i>For >5,000, Deduct</i>	-0.19		
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	2.01		
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.72		
07 24 13 00-0009		Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>			
		Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.			
07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	5.53		
		<i>For Up To 100, Add</i>	1.77		
		<i>For >100 To 500, Add</i>	0.88		
		<i>For >5,000, Deduct</i>	-0.35		
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	6.11		
		<i>For Up To 100, Add</i>	1.77		
		<i>For >100 To 500, Add</i>	0.88		
		<i>For >5,000, Deduct</i>	-0.35		
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	7.70		
		<i>For Up To 100, Add</i>	1.77		
		<i>For >100 To 500, Add</i>	0.88		
		<i>For >5,000, Deduct</i>	-0.35		
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	8.17		
		<i>For Up To 100, Add</i>	1.77		
		<i>For >100 To 500, Add</i>	0.88		
		<i>For >5,000, Deduct</i>	-0.35		
07 24 13 00-0014		Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>			
07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.69		
		<i>For Up To 100, Add</i>	0.88		
		<i>For >100 To 500, Add</i>	0.44		
		<i>For >5,000, Deduct</i>	-0.18		
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	3.13		
		<i>For Up To 100, Add</i>	0.88		
		<i>For >100 To 500, Add</i>	0.44		
		<i>For >5,000, Deduct</i>	-0.18		
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	5.48		
		<i>For Up To 100, Add</i>	0.88		
		<i>For >100 To 500, Add</i>	0.44		
		<i>For >5,000, Deduct</i>	-0.18		
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	7.35		
		<i>For Up To 100, Add</i>	0.88		
		<i>For >100 To 500, Add</i>	0.44		
		<i>For >5,000, Deduct</i>	-0.18		
07 24 13 00-0019		Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>			
		Note: Includes all standard manufacturers' colors.			
07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.58		
		<i>For Up To 100, Add</i>	1.77		
		<i>For >100 To 500, Add</i>	0.88		
		<i>For >5,000, Deduct</i>	-0.35		
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.67		
		<i>For Up To 100, Add</i>	1.77		
		<i>For >100 To 500, Add</i>	0.88		
		<i>For >5,000, Deduct</i>	-0.35		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0022 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.37	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.88	
For >5,000, Deduct	-0.35	
07 24 13 00-0023 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.98	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.88	
For >5,000, Deduct	-0.35	
07 24 13 00-0024 SF Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.37	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.88	
For >5,000, Deduct	-0.35	
07 24 13 00-0025 SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.98	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.88	
For >5,000, Deduct	-0.35	
07 24 13 00-0026 SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	4.77	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.88	
For >5,000, Deduct	-0.35	
07 24 13 00-0027 SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	5.41	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.88	
For >5,000, Deduct	-0.35	
07 24 13 00-0028 SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	10.87	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.88	
For >5,000, Deduct	-0.35	
07 24 13 00-0029 Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0030 SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.38	
For Up To 100, Add	0.50	
For >100 To 500, Add	0.25	
For >5,000, Deduct	-0.10	
07 24 13 00-0031 SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.41	
For Up To 100, Add	0.50	
For >100 To 500, Add	0.25	
For >5,000, Deduct	-0.10	
07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0033 SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.89	
For Up To 100, Add	0.50	
For >100 To 500, Add	0.25	
For >5,000, Deduct	-0.10	
07 24 13 00-0034 SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.33	
For Up To 100, Add	0.50	
For >100 To 500, Add	0.25	
For >5,000, Deduct	-0.10	
07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0036 SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	2.88	
For Up To 100, Add	0.55	
For >100 To 500, Add	0.28	
For >5,000, Deduct	-0.11	
07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0038 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.20	
07 24 13 00-0039 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.53	
07 24 13 00-0040 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.92	
07 24 13 00-0041 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.72	
07 24 13 00-0042 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.53	
07 24 13 00-0043 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.92	
07 24 13 00-0044 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.30	
07 24 13 00-0045 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	6.18	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 24 13 00-0046	Demolish Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0047	SF Demolish Exterior Insulation Finishing Systems (EIFS).....	7.39	
	Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
	<i>For Up To 100, Add</i>	3.70	
	<i>For >100 To 500, Add</i>	1.85	
	<i>For >5,000, Deduct</i>	-0.74	

07 25 Weather Barriers (07)**07 26 Vapor Retarders** (07 25)**07 26 13 Above-Grade Vapor Retarders** (07 26)

07 26 13 00-0001	CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	33.85	
07 26 13 00-0002	CSF Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	31.60	
07 26 13 00-0003	CSF 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	38.80	
07 26 13 00-0004	CSF Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	49.38	
07 26 13 00-0005	CSF Regular Weight Red Rosin Sized Sheathing	29.29	
07 26 13 00-0006	CLF 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	98.86	
07 26 13 00-0007	CLF 4" Wide Self Adhering Butyl Sealing Tape	146.65	
07 26 13 00-0008	CLF 6" Wide Self Adhesive Butyl Sealing Tape	209.56	
07 26 13 00-0009	CLF 9" Wide Self Adhesive Butyl Sealing Tape	288.47	
07 26 13 00-0010	CSF Building Wrap (Tyvek).....	86.08	

07 27 Air Barriers (07 25)**07 27 23 Board Product Air Barriers** (07 27)**07 27 23 00-0001 Barriers For Plenums** (07 27 23)

07 27 23 00-0002	SF 0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF	13.80	3.81
	<i>For Up To 50, Add</i>	5.06	
	<i>For >50 To 200, Add</i>	2.87	
	<i>For >200 To 500, Add</i>	1.06	
	<i>For >2,500, Deduct</i>	-0.69	
07 27 23 00-0003	SF 0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF	14.94	3.81
	<i>For Up To 50, Add</i>	5.52	
	<i>For >50 To 200, Add</i>	3.13	
	<i>For >200 To 500, Add</i>	1.16	
	<i>For >2,500, Deduct</i>	-0.75	
07 27 23 00-0004	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	5.45	2.54
	<i>For Up To 50, Add</i>	2.67	
	<i>For >50 To 200, Add</i>	1.47	
	<i>For >200 To 500, Add</i>	0.50	
	<i>For >2,500, Deduct</i>	-0.27	
07 27 23 00-0005	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	9.95	3.81
	<i>For Up To 50, Add</i>	4.77	
	<i>For >50 To 200, Add</i>	2.64	
	<i>For >200 To 500, Add</i>	0.91	
	<i>For >2,500, Deduct</i>	-0.50	
07 27 23 00-0006	SF Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	6.86	2.54
	<i>For Up To 50, Add</i>	2.88	
	<i>For >50 To 200, Add</i>	1.61	
	<i>For >200 To 500, Add</i>	0.57	
	<i>For >2,500, Deduct</i>	-0.34	
07 27 23 00-0007	SF 1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	10.51	2.54
	<i>For Up To 50, Add</i>	3.27	
	<i>For >50 To 200, Add</i>	1.90	
	<i>For >200 To 500, Add</i>	0.74	
	<i>For >2,500, Deduct</i>	-0.53	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets (07 27 23)

07 27 23 00-0009	SF 1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.41	
07 27 23 00-0010	SF 2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.69	
07 27 23 00-0011	SF 3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.85	
07 27 23 00-0012	SF 4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.98	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes (07 30)**07 31 13 Asphalt Shingles** (07 31)**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** (07 31 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle <small>(07 31 13 13)</small> Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0002 SQ 200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	301.20	203.77
<i>For >35 To 75, Deduct</i>	-11.59	
<i>For >75 To 100, Deduct</i>	-18.54	
<i>For >100 To 200, Deduct</i>	-27.81	
<i>For >200, Deduct</i>	-41.71	
<i>For Steep Roof, Over 7 To 12, Add</i>	59.30	
07 31 13 13-0003 SQ 220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	315.90	213.99
<i>For >35 To 75, Deduct</i>	-12.14	
<i>For >75 To 100, Deduct</i>	-19.43	
<i>For >100 To 200, Deduct</i>	-29.14	
<i>For >200, Deduct</i>	-43.73	
<i>For Steep Roof, Over 7 To 12, Add</i>	62.25	
07 31 13 13-0004 SQ 230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	364.22	224.66
<i>For >35 To 75, Deduct</i>	-15.99	
<i>For >75 To 100, Deduct</i>	-24.30	
<i>For >100 To 200, Deduct</i>	-35.80	
<i>For >200, Deduct</i>	-52.41	
<i>For Steep Roof, Over 7 To 12, Add</i>	65.39	
 07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle <small>(07 31 13 13)</small> Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0006 SQ 245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	376.02	260.12
<i>For >35 To 75, Deduct</i>	-13.96	
<i>For >75 To 100, Deduct</i>	-22.66	
<i>For >100 To 200, Deduct</i>	-34.15	
<i>For >200, Deduct</i>	-51.56	
<i>For Steep Roof, Over 7 To 12, Add</i>	75.66	
07 31 13 13-0007 SQ 240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	396.40	247.68
<i>For >35 To 75, Deduct</i>	-17.12	
<i>For >75 To 100, Deduct</i>	-26.17	
<i>For >100 To 200, Deduct</i>	-38.65	
<i>For >200, Deduct</i>	-56.76	
<i>For Steep Roof, Over 7 To 12, Add</i>	72.07	
07 31 13 13-0008 SQ 265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	429.69	273.13
<i>For >35 To 75, Deduct</i>	-18.14	
<i>For >75 To 100, Deduct</i>	-27.97	
<i>For >100 To 200, Deduct</i>	-41.43	
<i>For >200, Deduct</i>	-61.10	
<i>For Steep Roof, Over 7 To 12, Add</i>	79.47	
07 31 13 13-0009 SQ 235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	413.27	235.90
<i>For >35 To 75, Deduct</i>	-19.88	
<i>For >75 To 100, Deduct</i>	-29.22	
<i>For >100 To 200, Deduct</i>	-42.53	
<i>For >200, Deduct</i>	-61.21	
<i>For Steep Roof, Over 7 To 12, Add</i>	68.62	
07 31 13 13-0010 SQ 300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium).....	465.60	286.81
<i>For >35 To 75, Deduct</i>	-20.49	
<i>For >75 To 100, Deduct</i>	-31.11	
<i>For >100 To 200, Deduct</i>	-45.82	
<i>For >200, Deduct</i>	-67.05	
<i>For Steep Roof, Over 7 To 12, Add</i>	83.42	
07 31 13 13-0011 SQ 300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	495.64	286.81
<i>For >35 To 75, Deduct</i>	-23.50	
<i>For >75 To 100, Deduct</i>	-34.71	
<i>For >100 To 200, Deduct</i>	-50.63	
<i>For >200, Deduct</i>	-73.06	
<i>For Steep Roof, Over 7 To 12, Add</i>	83.42	
07 31 13 13-0012 SQ 355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	541.44	316.15
<i>For >35 To 75, Deduct</i>	-25.40	
<i>For >75 To 100, Deduct</i>	-37.66	
<i>For >100 To 200, Deduct</i>	-55.01	
<i>For >200, Deduct</i>	-79.54	
<i>For Steep Roof, Over 7 To 12, Add</i>	91.99	
07 31 13 13-0013 SQ 340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	536.21	301.15
<i>For >35 To 75, Deduct</i>	-26.25	
<i>For >75 To 100, Deduct</i>	-38.34	
<i>For >100 To 200, Deduct</i>	-55.69	
<i>For >200, Deduct</i>	-79.87	
<i>For Steep Roof, Over 7 To 12, Add</i>	87.58	
07 31 13 13-0014 SQ 300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	532.57	286.81
<i>For >35 To 75, Deduct</i>	-27.19	
<i>For >75 To 100, Deduct</i>	-39.14	
<i>For >100 To 200, Deduct</i>	-56.54	
<i>For >200, Deduct</i>	-80.45	
<i>For Steep Roof, Over 7 To 12, Add</i>	83.42	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0015	SQ		355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	622.30	316.15
			<i>For >35 To 75, Deduct</i>	-33.48	
			<i>For >75 To 100, Deduct</i>	-47.37	
			<i>For >100 To 200, Deduct</i>	-67.95	
			<i>For >200, Deduct</i>	-95.71	
			<i>For Steep Roof, Over 7 To 12, Add</i>	91.99	
07 31 13 13-0016	SQ		355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	643.35	316.15
			<i>For >35 To 75, Deduct</i>	-35.59	
			<i>For >75 To 100, Deduct</i>	-49.89	
			<i>For >100 To 200, Deduct</i>	-71.31	
			<i>For >200, Deduct</i>	-99.92	
			<i>For Steep Roof, Over 7 To 12, Add</i>	91.99	
07 31 13 13-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	714.58	348.61
			<i>For >35 To 75, Deduct</i>	-39.77	
			<i>For >75 To 100, Deduct</i>	-55.64	
			<i>For >100 To 200, Deduct</i>	-79.47	
			<i>For >200, Deduct</i>	-111.22	
			<i>For Steep Roof, Over 7 To 12, Add</i>	101.42	
07 31 13 13-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	703.11	331.94
			<i>For >35 To 75, Deduct</i>	-40.13	
			<i>For >75 To 100, Deduct</i>	-55.70	
			<i>For >100 To 200, Deduct</i>	-79.30	
			<i>For >200, Deduct</i>	-110.44	
			<i>For Steep Roof, Over 7 To 12, Add</i>	96.58	
07 31 13 13-0019			Asphalt Shingle Accessories (07 31 13 13)		
07 31 13 13-0020	LF		Hip And Ridge Roll Vent Note: Excludes shingles.	8.82	1.22
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles	4.24	3.03
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles	5.12	3.37
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles.....	94.49	
07 31 16			Metal Shingles (07 31)		
07 31 16 00-0001			Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	781.71 30.00 47.00 37.00	195.44
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	1,055.96 30.00 47.00 37.00	213.61
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	14.13	2.81
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	14.77	2.81
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	9.37	2.81
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	10.64	2.81
07 31 16 00-0008			Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	589.47 24.75 -9.94 -25.92 -44.39 -60.37 109.10	170.44
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	566.10 24.75 -9.12 -24.42 -41.99 -57.28 108.17	169.07
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	951.81 24.75 -24.44 -51.28 -84.24 -111.09 109.10	170.44
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	873.60 24.75 -21.42 -45.94 -75.81 -100.33 108.17	169.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0013 LF Galvanized Steel Shingles, Ridge Or Valley.....	9.69	2.27
For Factory Applied 1" Polystyrene Insulation, Add	24.75	
For >50 To 75, Deduct	-0.21	
For >75 To 100, Deduct	-0.48	
For >100 To 200, Deduct	-0.80	
For >200, Deduct	-1.07	
For Steep Roof, Over 7 To 12, Add	1.42	
07 31 26 Slate Shingles (07 31)		
Note: Includes 30 LB felt and fasteners.		
07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)		
07 31 26 00-0002 SQ Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,536.06	290.72
For >50 To 75, Deduct	-35.60	
For >75 To 100, Deduct	-78.45	
For >100 To 200, Deduct	-130.21	
For >200, Deduct	-173.06	
For Graduated Shapes, Add	133.51	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0003 SQ Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,781.74	290.72
For >50 To 75, Deduct	-45.43	
For >75 To 100, Deduct	-95.65	
For >100 To 200, Deduct	-157.23	
For >200, Deduct	-207.45	
For Graduated Shapes, Add	170.36	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0004 SQ Slate Shingles, Penn Black Bangor.....	1,708.03	290.72
For >50 To 75, Deduct	-42.48	
For >75 To 100, Deduct	-90.49	
For >100 To 200, Deduct	-149.12	
For >200, Deduct	-197.13	
For Graduated Shapes, Add	159.30	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0005 SQ Slate Shingles, Vermont, Unfading Colors, Green.....	1,732.60	290.72
For >50 To 75, Deduct	-43.46	
For >75 To 100, Deduct	-92.21	
For >100 To 200, Deduct	-151.83	
For >200, Deduct	-200.57	
For Graduated Shapes, Add	162.99	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0006 SQ Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray.....	1,830.87	290.72
For >50 To 75, Deduct	-47.39	
For >75 To 100, Deduct	-99.09	
For >100 To 200, Deduct	-162.64	
For >200, Deduct	-214.33	
For Graduated Shapes, Add	177.73	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0007 SQ Slate Shingles, Vermont, Unfading Color, Purple.....	1,708.03	290.72
For >50 To 75, Deduct	-42.48	
For >75 To 100, Deduct	-90.49	
For >100 To 200, Deduct	-149.12	
For >200, Deduct	-197.13	
For Graduated Shapes, Add	159.30	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0008 SQ Slate Shingles, Vermont, Unfading Color, Black Or Gray.....	1,634.33	290.72
For >50 To 75, Deduct	-39.53	
For >75 To 100, Deduct	-85.33	
For >100 To 200, Deduct	-141.02	
For >200, Deduct	-186.82	
For Graduated Shapes, Add	148.25	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0009 SQ Slate Shingles, Vermont, Unfading Color, Red.....	3,169.48	290.72
For >50 To 75, Deduct	-100.94	
For >75 To 100, Deduct	-192.79	
For >100 To 200, Deduct	-309.88	
For >200, Deduct	-401.74	
For Graduated Shapes, Add	378.52	
For Steep Roof, Over 7 To 12, Add	206.72	
07 31 26 00-0010 SQ Slate Shingles, Vermont, Unfading Color, Variegated Purple.....	1,708.03	290.72
For >50 To 75, Deduct	-42.48	
For >75 To 100, Deduct	-90.49	
For >100 To 200, Deduct	-149.12	
For >200, Deduct	-197.13	
For Graduated Shapes, Add	159.30	
For Steep Roof, Over 7 To 12, Add	206.72	

07 31 29 Wood Shingles and Shakes (07 31)

07 31 29 13 Wood Shingles (07 31 29)

07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0003 SQ 3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	984.24	253.98
For Steep Roof, Over 7 To 12, Add	162.54	
For Pressure-Impregnated Treated (Preservative), Add	71.44	
07 31 29 13-0004 SQ 5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	714.37	190.48
For Steep Roof, Over 7 To 12, Add	121.91	
For Pressure-Impregnated Treated (Preservative), Add	50.01	
07 31 29 13-0005 SQ 4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	872.31	215.88
For Steep Roof, Over 7 To 12, Add	138.16	
For Pressure-Impregnated Treated (Preservative), Add	66.08	
07 31 29 13-0006 SQ 5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	714.62	177.78
For Steep Roof, Over 7 To 12, Add	113.78	
For Pressure-Impregnated Treated (Preservative), Add	53.86	
07 31 29 13-0007 SQ 5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	936.68	168.26
For Steep Roof, Over 7 To 12, Add	107.69	
For Pressure-Impregnated Treated (Preservative), Add	90.02	
07 31 29 13-0008 SQ 7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	726.85	142.86
For Steep Roof, Over 7 To 12, Add	91.43	
For Pressure-Impregnated Treated (Preservative), Add	66.17	
07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010 SQ 7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	695.31	228.58
For Pressure-Impregnated Treated (Preservative), Add	35.72	
07 31 29 13-0011 SQ 8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	679.38	215.88
For Pressure-Impregnated Treated (Preservative), Add	37.14	
07 31 29 13-0012 SQ 10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	689.70	187.31
For Pressure-Impregnated Treated (Preservative), Add	47.26	
07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015 SQ 3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	918.06	266.68
For Steep Roof, Over 7 To 12, Add	170.68	
For Pressure-Impregnated Treated (Preservative), Add	57.71	
07 31 29 13-0016 SQ 4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	819.17	241.28
For Steep Roof, Over 7 To 12, Add	154.42	
For Pressure-Impregnated Treated (Preservative), Add	50.49	
07 31 29 13-0017 SQ 4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	871.68	241.28
For Steep Roof, Over 7 To 12, Add	154.42	
For Pressure-Impregnated Treated (Preservative), Add	58.37	
07 31 29 13-0018 SQ 4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	777.91	215.88
For Steep Roof, Over 7 To 12, Add	138.16	
For Pressure-Impregnated Treated (Preservative), Add	51.92	
07 31 29 13-0019 SQ 5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	755.24	168.26
For Steep Roof, Over 7 To 12, Add	107.69	
For Pressure-Impregnated Treated (Preservative), Add	62.81	
07 31 29 13-0020 SQ 6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	618.21	146.04
For Steep Roof, Over 7 To 12, Add	93.46	
For Pressure-Impregnated Treated (Preservative), Add	48.92	
07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022 SQ 6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	674.91	241.28
For Pressure-Impregnated Treated (Preservative), Add	28.85	
07 31 29 13-0023 SQ 7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	651.72	228.58
For Pressure-Impregnated Treated (Preservative), Add	29.18	
07 31 29 13-0024 SQ 9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	626.19	203.19
For Pressure-Impregnated Treated (Preservative), Add	32.97	
07 31 29 16 Wood Shakes (07 31 29)		
07 31 29 16-0001 #1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003 SQ 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	720.47	206.36
For Steep Roof, Over 7 To 12, Add	132.07	
For Pressure-Impregnated Treated (Preservative), Add	46.16	
07 31 29 16-0004 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	823.05	206.36
For Steep Roof, Over 7 To 12, Add	132.07	
For Pressure-Impregnated Treated (Preservative), Add	61.55	
07 31 29 16-0005 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	759.69	168.26
For Steep Roof, Over 7 To 12, Add	107.69	
For Pressure-Impregnated Treated (Preservative), Add	63.48	
07 31 29 16-0006 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	803.29	168.26
For Steep Roof, Over 7 To 12, Add	107.69	
For Pressure-Impregnated Treated (Preservative), Add	70.02	
07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008 SQ 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	752.22	222.24
For Pressure-Impregnated Treated (Preservative), Add	46.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0009 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	854.80 61.55	222.24
07 31 29 16-0010 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	804.14 63.48	190.48
07 31 29 16-0011 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	847.74 70.02	190.48

07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)

07 31 29 19-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)

07 31 29 19-0002 LF Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative) Ridge, Add</i>	11.97 1.23 1.22	1.65
---	-----------------------	------

07 31 33 Composite Rubber Shingles (07 31)

07 31 33 00-0001 SQ Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black. <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,364.04 134.44 344.51 167.61 -21.01 -55.11 -89.21 -136.40 94.94 189.87	261.91
07 31 33 00-0002 SQ Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,924.22 210.07 167.61 -35.01 -83.12 -131.22 -192.42 134.95 269.90	261.91
07 31 33 00-0003 SQ Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,594.70 385.53 167.61 -26.77 -66.64 -106.51 -159.47 111.42 222.82	261.91
07 31 33 00-0004 SQ Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	2,039.55 166.74 167.61 -37.89 -88.88 -139.87 -203.96 143.19 286.37	261.91
07 31 33 00-0005 LF Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	16.43	1.76

07 32 Roof Tiles (07 30)

07 32 13 Clay Roof Tiles (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002 SQ Lanai Or Classic Tile, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	1,336.95 -47.13 -92.33 -129.68 -159.18 -180.82 54.98	275.72
07 32 13 00-0003 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	1,588.71 -62.23 -117.51 -162.41 -196.94 -221.10 72.60	275.72

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0004 SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,588.71	275.72
For>25 To 50, Deduct	-62.23	
For>50 To 75, Deduct	-117.51	
For>75 To 100, Deduct	-162.41	
For>100 To 200, Deduct	-196.94	
For>200, Deduct	-221.10	
For 20 Year Warranty, Add	72.60	
07 32 13 00-0005 SQ Americana (Blue) Tile, 158 Piece Per SQ	1,802.32	275.72
For>25 To 50, Deduct	-75.05	
For>50 To 75, Deduct	-138.87	
For>75 To 100, Deduct	-190.18	
For>100 To 200, Deduct	-228.99	
For>200, Deduct	-255.28	
For 20 Year Warranty, Add	87.56	
07 32 13 00-0006 SQ French Tile Roofing, Red, 133 Piece Per SQ	1,595.01	337.11
For>25 To 50, Deduct	-55.25	
For>50 To 75, Deduct	-108.94	
For>75 To 100, Deduct	-153.42	
For>100 To 200, Deduct	-188.69	
For>200, Deduct	-214.75	
For 20 Year Warranty, Add	64.46	
07 32 13 00-0007 SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,970.79	337.11
For>25 To 50, Deduct	-77.80	
For>50 To 75, Deduct	-146.51	
For>75 To 100, Deduct	-202.27	
For>100 To 200, Deduct	-245.05	
For>200, Deduct	-274.87	
For 20 Year Warranty, Add	90.76	
07 32 13 00-0008 SQ Norman Tile Roofing, 317 Piece Per SQ	2,518.67	454.79
For>25 To 50, Deduct	-96.56	
For>50 To 75, Deduct	-183.67	
For>75 To 100, Deduct	-254.68	
For>100 To 200, Deduct	-309.60	
For>200, Deduct	-348.43	
For 20 Year Warranty, Add	112.66	
07 32 13 00-0009 SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,407.00	337.11
For>25 To 50, Deduct	-43.97	
For>50 To 75, Deduct	-90.14	
For>75 To 100, Deduct	-128.97	
For>100 To 200, Deduct	-160.49	
For>200, Deduct	-184.67	
For 20 Year Warranty, Add	51.30	
07 32 13 00-0010 SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,711.41	337.11
For>25 To 50, Deduct	-62.23	
For>50 To 75, Deduct	-120.58	
For>75 To 100, Deduct	-168.55	
For>100 To 200, Deduct	-206.15	
For>200, Deduct	-233.37	
For 20 Year Warranty, Add	72.60	
07 32 13 00-0011 SQ Spanish Tile Roofing, Red, 171 Piece Per SQ	1,198.77	252.41
For>25 To 50, Deduct	-41.63	
For>50 To 75, Deduct	-82.01	
For>75 To 100, Deduct	-115.45	
For>100 To 200, Deduct	-141.95	
For>200, Deduct	-161.51	
For 20 Year Warranty, Add	48.57	
07 32 13 00-0012 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,526.82	252.41
For>25 To 50, Deduct	-61.32	
For>50 To 75, Deduct	-114.82	
For>75 To 100, Deduct	-158.10	
For>100 To 200, Deduct	-191.16	
For>200, Deduct	-214.00	
For 20 Year Warranty, Add	71.54	
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,809.09	252.41
For>25 To 50, Deduct	-78.25	
For>50 To 75, Deduct	-143.04	
For>75 To 100, Deduct	-194.79	
For>100 To 200, Deduct	-233.50	
For>200, Deduct	-259.16	
For 20 Year Warranty, Add	91.30	
07 32 13 00-0014 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,209.99	395.67
For>25 To 50, Deduct	-85.12	
For>50 To 75, Deduct	-161.65	
For>75 To 100, Deduct	-223.99	
For>100 To 200, Deduct	-272.15	
For>200, Deduct	-306.12	
For 20 Year Warranty, Add	99.31	
07 32 13 00-0015 SQ One Piece Mission Tile Roofing, 75 Piece Per SQ	1,008.90	275.72
For>25 To 50, Deduct	-27.44	
For>50 To 75, Deduct	-59.53	
For>75 To 100, Deduct	-87.04	
For>100 To 200, Deduct	-109.97	
For>200, Deduct	-128.33	
For 20 Year Warranty, Add	32.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0016 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ	1,351.72	395.67
For >25 To 50, Deduct	-33.62	
For >50 To 75, Deduct	-75.82	
For >75 To 100, Deduct	-112.42	
For >100 To 200, Deduct	-143.41	
For >200, Deduct	-168.80	
For 20 Year Warranty, Add	39.23	

07 32 16 Concrete Roof Tiles (07 32)

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earhtone Colors, Corrugated	1,209.33	417.95
For >50 To 75, Deduct	-14.93	
For >75 To 100, Deduct	-47.03	
For >100 To 200, Deduct	-82.87	
For >200, Deduct	-114.96	
For Steep Roof, Over 7 To 12, Add	267.53	
07 32 16 00-0003 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,590.59	417.95
For >50 To 75, Deduct	-30.18	
For >75 To 100, Deduct	-73.72	
For >100 To 200, Deduct	-124.80	
For >200, Deduct	-168.34	
For Steep Roof, Over 7 To 12, Add	267.53	
07 32 16 00-0004 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	1,285.58	417.95
For >50 To 75, Deduct	-17.98	
For >75 To 100, Deduct	-52.37	
For >100 To 200, Deduct	-91.25	
For >200, Deduct	-125.64	
For Steep Roof, Over 7 To 12, Add	267.53	
07 32 16 00-0005 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	1,216.64	373.95
For >50 To 75, Deduct	-18.75	
For >75 To 100, Deduct	-51.50	
For >100 To 200, Deduct	-88.95	
For >200, Deduct	-121.71	
For Steep Roof, Over 7 To 12, Add	239.36	

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007 EA Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	6.44
07 32 16 00-0008 EA Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	4.24
07 32 16 00-0009 EA Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	6.40
07 32 16 00-0010 EA Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	7.33
07 32 16 00-0011 EA 3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	7.63

07 34 Roofing Underlayment (07 30)

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0002 SQ 15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	39.35	8.44
For Steep Roof, Over 7 To 12, Add	5.40	
For >50 To 75, Deduct	-0.90	
For >75 To 100, Deduct	-1.99	
For >100 To 200, Deduct	-3.32	
For >200, Deduct	-4.83	
07 34 00 00-0003 SQ 30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	60.76	11.61
For Steep Roof, Over 7 To 12, Add	7.43	
For >50 To 75, Deduct	-1.50	
For >75 To 100, Deduct	-3.21	
For >100 To 200, Deduct	-5.29	
For >200, Deduct	-7.58	
07 34 00 00-0004 SQ 30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	67.83	11.61
For Steep Roof, Over 7 To 12, Add	7.43	
For >50 To 75, Deduct	-1.78	
For >75 To 100, Deduct	-3.70	
For >100 To 200, Deduct	-6.07	
For >200, Deduct	-8.57	
07 34 00 00-0005 SQ Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	75.27	17.59
For Steep Roof, Over 7 To 12, Add	11.25	
For >50 To 75, Deduct	-1.60	
For >75 To 100, Deduct	-3.69	
For >100 To 200, Deduct	-6.17	
For >200, Deduct	-9.13	
07 34 00 00-0006 SQ 17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	83.64	17.59
For Steep Roof, Over 7 To 12, Add	11.25	
For >50 To 75, Deduct	-1.94	
For >75 To 100, Deduct	-4.27	
For >100 To 200, Deduct	-7.09	
For >200, Deduct	-10.30	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	97.44	17.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.25	
			<i>For >50 To 75, Deduct</i>	-2.49	
			<i>For >75 To 100, Deduct</i>	-5.24	
			<i>For >100 To 200, Deduct</i>	-8.61	
			<i>For >200, Deduct</i>	-12.23	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	90.54	17.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.25	
			<i>For >50 To 75, Deduct</i>	-2.21	
			<i>For >75 To 100, Deduct</i>	-4.76	
			<i>For >100 To 200, Deduct</i>	-7.85	
			<i>For >200, Deduct</i>	-11.27	
07 34 00 00-0009			Self-Adhering, Roofing Underlayment^(07 34)		
			Note: Standard slope.		
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	157.17	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-4.58	
			<i>For >75 To 100, Deduct</i>	-9.08	
			<i>For >100 To 200, Deduct</i>	-14.73	
			<i>For >200, Deduct</i>	-20.30	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	237.16	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-7.78	
			<i>For >75 To 100, Deduct</i>	-14.68	
			<i>For >100 To 200, Deduct</i>	-23.53	
			<i>For >200, Deduct</i>	-31.50	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G).....	167.06	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-4.98	
			<i>For >75 To 100, Deduct</i>	-9.78	
			<i>For >100 To 200, Deduct</i>	-15.82	
			<i>For >200, Deduct</i>	-21.68	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	157.17	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-4.58	
			<i>For >75 To 100, Deduct</i>	-9.08	
			<i>For >100 To 200, Deduct</i>	-14.73	
			<i>For >200, Deduct</i>	-20.30	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	225.62	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-7.32	
			<i>For >75 To 100, Deduct</i>	-13.87	
			<i>For >100 To 200, Deduct</i>	-22.26	
			<i>For >200, Deduct</i>	-29.88	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	189.48	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-5.87	
			<i>For >75 To 100, Deduct</i>	-11.34	
			<i>For >100 To 200, Deduct</i>	-18.28	
			<i>For >200, Deduct</i>	-24.82	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®).....	282.62	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-9.60	
			<i>For >75 To 100, Deduct</i>	-17.86	
			<i>For >100 To 200, Deduct</i>	-28.53	
			<i>For >200, Deduct</i>	-37.86	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	323.42	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-11.23	
			<i>For >75 To 100, Deduct</i>	-20.72	
			<i>For >100 To 200, Deduct</i>	-33.02	
			<i>For >200, Deduct</i>	-43.57	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	476.50	21.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	13.64	
			<i>For >50 To 75, Deduct</i>	-17.35	
			<i>For >75 To 100, Deduct</i>	-31.44	
			<i>For >100 To 200, Deduct</i>	-49.86	
			<i>For >200, Deduct</i>	-65.00	

07 40 Roofing and Siding Panels⁽⁰⁷⁾



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----------------	------------------------	----------------------

07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001		Exposed Fastener Metal Roofing <small>(07 41 13)</small>		
		Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.		
07 41 13 00-0002		Galvanized Exposed Fastener Metal Roofing <small>(07 41 13 00-0001)</small>		
07 41 13 00-0003		Galvanized Steel Exposed Fastener Metal Roof Panels <small>(07 41 13 00-0002)</small>		
07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	9.20	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.49	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.99	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.50	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.09	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.74	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.60	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0011		Galvanized Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0002)</small>		
		See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	29.56	3.36
		For Steep Roof, Over 7 To 12, Add	4.34	
		For Fluoropolymer (Kynar®) Coating, Add	1.60	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	18.53	2.20
		For Steep Roof, Over 7 To 12, Add	2.89	
		For Fluoropolymer (Kynar®) Coating, Add	0.95	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	35.85	3.36
		For Steep Roof, Over 7 To 12, Add	4.34	
		For Fluoropolymer (Kynar®) Coating, Add	2.23	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	30.14	3.36
		For Steep Roof, Over 7 To 12, Add	4.34	
		For Fluoropolymer (Kynar®) Coating, Add	1.66	
07 41 13 00-0016		Aluminum Exposed Fastener Metal Roofing <small>(07 41 13 00-0001)</small>		
07 41 13 00-0017		Aluminum Exposed Fastener Metal Roof Panels <small>(07 41 13 00-0016)</small>		
07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.74	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.00	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.61	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.42	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	9.23	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	10.24	3.22
		For Fluoropolymer (Kynar®) Coating, Add	1.31	
		For Steep Roof, Over 7 To 12, Add	1.65	
07 41 13 00-0024		Aluminum Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0016)</small>		
07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	33.42	3.36
		For Steep Roof, Over 7 To 12, Add	4.34	
		For Fluoropolymer (Kynar®) Coating, Add	1.99	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing.....	20.75	2.33
		For Steep Roof, Over 7 To 12, Add	2.89	
		For Fluoropolymer (Kynar®) Coating, Add	1.17	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	41.28	3.36
		For Steep Roof, Over 7 To 12, Add	4.34	
		For Fluoropolymer (Kynar®) Coating, Add	2.77	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0028 LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	34.14 4.34 2.06	3.36
07 41 13 00-0029 Standing Seam Roofs <small>(07 41 13)</small> Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0029)</small> Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0030)</small>		
07 41 13 00-0032 SF Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.13 2.05 1.97 0.83 3.53 2.12 0.35	3.43
07 41 13 00-0033 SF Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.82 2.05 2.01 0.84 3.71 2.22 0.37	3.43
07 41 13 00-0034 SF Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.53 2.05 1.94 0.82 3.38 2.03 0.34	3.43
07 41 13 00-0035 SF Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.77 2.05 1.95 0.82 3.44 2.07 0.34	3.43
07 41 13 00-0036 SF Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.04 2.05 1.97 0.83 3.51 2.11 0.35	3.43
07 41 13 00-0037 SF Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	15.04 2.05 2.02 0.85 3.76 2.26 0.38	3.43
07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing <small>(07 41 13 00-0030)</small>		
07 41 13 00-0039 LF Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	31.16 4.07 1.71	3.36
07 41 13 00-0040 LF 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	19.48 2.71 1.11	2.33
07 41 13 00-0041 LF Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	38.08 4.07 1.85	3.36
07 41 13 00-0042 LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	31.79 4.07 1.72	3.36
07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0029)</small> Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0043)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	14.61	3.43
<i>For Steep Roof, Over 6 To 12, Add</i>	2.05	
<i>For Panels <16" Wide, Add</i>	2.00	
<i>For 140 MPH Wind Load, Add</i>	0.84	
<i>For Up To 1,500, Add</i>	3.65	
<i>For >1,500 To 5,000, Add</i>	2.19	
<i>For >5,000 To 10,000, Add</i>	0.37	
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	15.20	3.43
<i>For Steep Roof, Over 6 To 12, Add</i>	2.05	
<i>For Panels <16" Wide, Add</i>	2.03	
<i>For 140 MPH Wind Load, Add</i>	0.85	
<i>For Up To 1,500, Add</i>	3.80	
<i>For >1,500 To 5,000, Add</i>	2.28	
<i>For >5,000 To 10,000, Add</i>	0.38	
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.28	3.43
<i>For Steep Roof, Over 6 To 12, Add</i>	2.05	
<i>For Panels <16" Wide, Add</i>	1.98	
<i>For 140 MPH Wind Load, Add</i>	0.83	
<i>For Up To 1,500, Add</i>	3.57	
<i>For >1,500 To 5,000, Add</i>	2.14	
<i>For >5,000 To 10,000, Add</i>	0.36	
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.36	3.43
<i>For Steep Roof, Over 6 To 12, Add</i>	2.05	
<i>For Panels <16" Wide, Add</i>	2.03	
<i>For 140 MPH Wind Load, Add</i>	0.85	
<i>For Up To 1,500, Add</i>	3.84	
<i>For >1,500 To 5,000, Add</i>	2.30	
<i>For >5,000 To 10,000, Add</i>	0.38	
07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	35.40	3.36
<i>For Steep Roof, Over 6 To 12, Add</i>	4.07	
<i>For 140 MPH Wind Load, Add</i>	1.79	
07 41 13 00-0051 LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	21.92	2.33
<i>For Steep Roof, Over 6 To 12, Add</i>	2.71	
<i>For 140 MPH Wind Load, Add</i>	1.16	
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	44.05	3.36
<i>For Steep Roof, Over 6 To 12, Add</i>	4.07	
<i>For 140 MPH Wind Load, Add</i>	1.97	
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	36.19	3.36
<i>For Steep Roof, Over 6 To 12, Add</i>	4.07	
<i>For 140 MPH Wind Load, Add</i>	1.81	
07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	27.05	4.11
<i>For Steep Roof, Over 6 To 12, Add</i>	3.08	
<i>For Panels <16" Wide, Add</i>	3.25	
<i>For 140 MPH Wind Load, Add</i>	1.36	
<i>For Up To 1,500, Add</i>	6.76	
<i>For >1,500 To 5,000, Add</i>	4.06	
<i>For >5,000 To 10,000, Add</i>	0.68	
07 41 13 00-0057 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	30.62	4.11
<i>For Steep Roof, Over 6 To 12, Add</i>	3.08	
<i>For Panels <16" Wide, Add</i>	3.43	
<i>For 140 MPH Wind Load, Add</i>	1.43	
<i>For Up To 1,500, Add</i>	7.66	
<i>For >1,500 To 5,000, Add</i>	4.59	
<i>For >5,000 To 10,000, Add</i>	0.77	
07 41 13 00-0058 SF Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.85	4.11
<i>For Steep Roof, Over 6 To 12, Add</i>	3.08	
<i>For Panels <16" Wide, Add</i>	3.64	
<i>For 140 MPH Wind Load, Add</i>	1.52	
<i>For Up To 1,500, Add</i>	8.71	
<i>For >1,500 To 5,000, Add</i>	5.23	
<i>For >5,000 To 10,000, Add</i>	0.87	
07 41 13 00-0059 SF Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	40.28	4.11
<i>For Steep Roof, Over 6 To 12, Add</i>	3.08	
<i>For Panels <16" Wide, Add</i>	3.91	
<i>For 140 MPH Wind Load, Add</i>	1.63	
<i>For Up To 1,500, Add</i>	10.07	
<i>For >1,500 To 5,000, Add</i>	6.04	
<i>For >5,000 To 10,000, Add</i>	1.01	
07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0061 LF Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	80.51	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	4.49	
<i>For 140 MPH Wind Load, Add</i>	2.81	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0062 LF 9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	43.73 2.98 1.67	2.46
07 41 13 00-0063 LF Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	110.38 4.46 3.40	3.75
07 41 13 00-0064 LF Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	82.88 4.49 2.86	3.75
07 41 13 00-0065 Metal Roof Surfacing (07 41 13)		
07 41 13 00-0066 SF Acrylic, Metal Roof Primer, One Coat <i>For Steep Roof, Over 7 To 12, Add</i>	0.49 0.07	
07 41 13 00-0067 SF Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	0.74 0.07	
07 41 16 Insulated Metal Roof Panels (07 41)		
07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16)		
07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel (07 41 16 00-0001) Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.		
07 41 16 00-0003 SF 2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	26.48	4.44
07 41 16 00-0004 SF 2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	29.16	4.80
07 41 16 00-0005 SF 3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	30.99	5.21
07 41 16 00-0006 SF 4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	32.45	5.50
07 41 16 00-0007 SF 5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	34.01	5.80
07 41 16 00-0008 SF 6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	35.29	6.10
07 41 33 Plastic Roof Panels (07 41)		
07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide.....	8.62	2.35
07 41 33 00-0004 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide.....	8.44	2.11
07 41 33 00-0005 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	9.06	2.35
07 41 33 00-0006 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	8.82	2.11
07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008 LF 1" "J" Channel, Starter Strip Trim.....	4.88	1.76
07 41 33 00-0009 LF 3-1/2" "J" Channel, Starter Strip Trim.....	8.24	1.76
07 41 33 00-0010 LF Outside Corner Post, 7/8" Pocket.....	9.20	1.76
07 41 33 00-0011 LF Inside Corner Post, 7/8" Pocket.....	6.60	1.76
07 41 33 00-0012 Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013 Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014 SF 8 Ounce Corrugated Fiberglass Panel.....	7.15	1.88
07 41 33 00-0015 SF 12 Ounce Corrugated Fiberglass Panel.....	8.24	1.88
07 42 Wall Panels (07 40)		
07 42 13 Metal Wall Panels (07 42)		
07 42 13 19 Insulated Metal Wall Panels (07 42 13)		
07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19) Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002 SF 1" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	25.98 -3.94	5.08
07 42 13 19-0003 SF 1-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	28.15 -4.21	5.71
07 42 13 19-0004 SF 1-3/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	30.12 -4.48	6.35
07 42 13 19-0005 SF 2-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	32.22 -4.75	6.61
07 42 13 19-0006 SF 3-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	36.50 -5.52	7.24
07 42 13 19-0007 SF 4-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	42.35 -6.62	8.00
07 42 13 23 Metal Composite Material Wall Panels (07 42 13)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

07 42 13 23-0001			24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <small>(07 42 13 23)</small> Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	24.08 0.24 0.12	2.97
07 42 13 23-0003	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	27.06 0.24 0.12	3.36
07 42 13 23-0004	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	29.59 0.24 0.12	3.81
07 42 13 23-0005	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	33.07 0.24 0.12	5.04

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001			Insulated Freezer And Chiller Panels <small>(07 42 63)</small> Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002			Polyurethane Sandwich Panel <small>(07 42 63 00-0001)</small> Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF		2" 22 Gauge Freezer Panel Sheet Metal Both Faces	28.01	2.39
07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces	29.67	2.39
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces	35.34	2.39
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces	38.27	2.54
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces	40.65	2.54
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	25.12	1.97
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	27.34	1.97
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	32.97	2.11
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	31.98	2.11
07 42 63 00-0012	SF		6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	37.64	2.11

07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)

Note: With .040 aluminum baked enamel finish.					
07 42 63 00-0014	SF		2" Freezer Panel 0.040" Aluminum Finish Both Faces	19.04	2.39
07 42 63 00-0015	SF		3" Freezer Panel 0.040" Aluminum Finish Both Faces	20.34	2.39
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces	23.72	2.39
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces	25.82	2.54
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces	27.29	2.54
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	17.06	1.97
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	18.37	1.97
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	19.75	2.11
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.13	2.11
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	25.19	2.11

07 42 93 Soffit Panels (07 42)

07 42 93 00-0001			Aluminum Soffit And Fascia <small>(07 42 93)</small> Note: Excludes J-channel.		
07 42 93 00-0002	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	5.07 -0.09	1.78
07 42 93 00-0003	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	6.24 -0.18	1.87
07 42 93 00-0004	LF		1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	6.84 -0.20	1.92
07 42 93 00-0005	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	8.53 -0.31	2.02
07 42 93 00-0006	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	10.43 -0.42	2.21
07 42 93 00-0007	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	13.87 -0.64	2.45
07 42 93 00-0008	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	17.36 -0.86	2.69
07 42 93 00-0009	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	20.89 -1.08	2.95
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia	5.93	1.73
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia	6.48	1.78
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia	7.59	1.83
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia	8.78	1.87

07 46 Siding (07 40)

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 46 16****Aluminum Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001	Aluminum Coil Stock Cladding (07 46 16)		
	Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF 0.016" Thick, Aluminum Clad Siding	14.04	4.76
07 46 16 00-0003	SF 0.019" Thick, Aluminum Clad Siding	14.21	4.76
07 46 16 00-0004	SF 0.024" Thick, Aluminum Clad Siding	14.49	4.76

07 46 16 00-0005**Aluminum Siding Panels (07 46 16)****07 46 16 00-0006****Corrugated Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF 0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.57	2.58
07 46 16 00-0008	SF 0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.96	2.58
07 46 16 00-0009	SF 0.024", Painted Finish, Corrugated Aluminum Siding Panel	11.19	2.58
07 46 16 00-0010	SF 0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.58	2.58

07 46 16 00-0011**V- Beam Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF 0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.48	2.58
07 46 16 00-0013	SF 0.040", Painted Finish, V- Beam Aluminum Siding Panel	15.09	2.58
07 46 16 00-0014	SF 0.050", Painted Finish, V- Beam Aluminum Siding Panel	18.90	2.58

07 46 16 00-0015**Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF 0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.19	2.58
07 46 16 00-0017	SF 0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.74	2.58
07 46 16 00-0018	SF 0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.69	2.58

07 46 16 00-0019**Aluminum Siding Accessories (07 46 16)**

07 46 16 00-0020	LF 3/8" Pocket, Aluminum J-Channel	3.93	1.66
07 46 16 00-0021	LF 1/2" Pocket, Aluminum J-Channel	3.93	1.66
07 46 16 00-0022	LF 3/4" Pocket, Aluminum J-Channel	4.62	1.66
07 46 16 00-0023	LF 3/8" Pocket, Aluminum F-Channel	4.26	1.66
07 46 16 00-0024	LF 1/2" Pocket, Aluminum F-Channel	4.26	1.66

07 46 19**Steel Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001**Steel Siding Panels (07 46 19)****07 46 19 00-0002****Corrugated Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF 20 Gauge, Painted Finish, Corrugated Steel Siding Panel	13.37	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	2.05	
07 46 19 00-0004	SF 22 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.31	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.79	
07 46 19 00-0005	SF 24 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.05	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.72	
07 46 19 00-0006	SF 26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.93	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.94	
07 46 19 00-0007	SF 28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.71	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.89	
07 46 19 00-0008	SF 30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.57	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.85	

07 46 19 00-0009**Box Ribbed Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF 20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.58	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.85	
07 46 19 00-0011	SF 22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.10	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.73	
07 46 19 00-0012	SF 24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.78	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.65	
07 46 19 00-0013	SF 26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.25	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.52	
07 46 19 00-0014	SF 28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.12	2.58
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.24	

07 46 19 00-0015**Clapboard Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF 29 Gauge, Painted Finish, Clapboard Steel Siding Panel	10.45	1.29
------------------	---	-------	------

07 46 23**Wood Siding (07 46)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001			Wood Lap Siding <small>(07 46 23)</small>		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding	4.42	1.71
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding	4.97	1.82
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding	5.54	1.93
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.72	1.71
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.24	1.71
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.34	1.71
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.78	1.71
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding	6.16	1.71
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.62	1.82
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic	4.62	1.82

07 46 23 00-0012			Tongue And Groove Siding <small>(07 46 23)</small>		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.41	1.71
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding	4.87	1.71
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding	4.52	1.71
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding	5.14	1.71

07 46 29			Plywood Siding <small>(07 46)</small>		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.					
07 46 29 00-0001			T-111 Siding <small>(07 46 29)</small>		
07 46 29 00-0002	SF		5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.03	0.89
			<i>For Pressure Treated, Add</i>	0.18	

07 46 33			Plastic Siding <small>(07 46)</small>		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.					
07 46 33 00-0001			Vinyl Siding <small>(07 46 33)</small>		
Note: Includes standard manufacturer's colors.					
07 46 33 00-0002			Vinyl Siding Panels <small>(07 46 33 00-0001)</small>		
Note: Excludes J-channels, starter strips and trim.					
07 46 33 00-0003			Horizontal Vinyl Siding Panels <small>(07 46 33 00-0002)</small>		
Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.					
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.88	2.17
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.64	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.62	2.05
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.64	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.43	1.95
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.64	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.24	1.86
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.64	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.98	1.72
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.64	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	

07 46 33 00-0009			Vertical Vinyl Siding Panels <small>(07 46 33 00-0002)</small>		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	7.07	2.17
			<i>For Manufacturer's Custom Colors, Add</i>	0.14	

07 46 33 00-0011			Vinyl Siding Accessories <small>(07 46 33 00-0001)</small>		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding	7.23	1.66
			<i>For Manufacturer's Custom Colors, Add</i>	0.19	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding	13.19	1.66
			<i>For Manufacturer's Custom Colors, Add</i>	0.49	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding	5.73	1.66
			<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding	6.99	1.66
			<i>For Manufacturer's Custom Colors, Add</i>	0.18	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding	4.25	1.66
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0017 LF 1/2" Pocket, J-Channel For Vinyl Siding	3.97	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0018 LF 5/8" Pocket, J-Channel For Vinyl Siding	3.91	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0019 LF 3/4" Pocket, J-Channel For Vinyl Siding	4.09	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0020 LF 1" Pocket, J-Channel For Vinyl Siding	4.87	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0021 LF 1-1/4" Pocket, J-Channel For Vinyl Siding	5.30	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0022 LF 2-1/2" Pocket, J-Channel For Vinyl Siding	5.93	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0023 LF 1/2" Pocket, F-Channel For Vinyl Siding	4.05	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0024 LF 3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.20	2.30
<i>For Manufacturer's Custom Colors, Add</i>	0.23	
07 46 33 00-0025 LF 3/4" Pocket, 5" Lineal Trim For Vinyl Siding	9.62	2.30
<i>For Manufacturer's Custom Colors, Add</i>	0.25	
07 46 33 00-0026 LF 1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.55	2.30
<i>For Manufacturer's Custom Colors, Add</i>	0.30	
07 46 33 00-0027 LF 3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.49	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0028 LF Vinyl Starter Strip For Vinyl Siding	6.81	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0029 LF Undersill Trim For Vinyl Siding	5.86	1.66
<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)		
Note: Excludes J-channel.		
07 46 33 00-0031 LF 6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.97	1.78
<i>For 0.038" Thick, Deduct</i>	-0.63	
<i>For 0.040" Thick, Deduct</i>	-0.54	
<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0032 LF 10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.08	1.87
<i>For 0.038" Thick, Deduct</i>	-1.06	
<i>For 0.040" Thick, Deduct</i>	-0.90	
<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0033 LF 1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.65	1.92
<i>For 0.038" Thick, Deduct</i>	-1.29	
<i>For 0.040" Thick, Deduct</i>	-1.08	
<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0034 LF 1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.24	2.02
<i>For 0.038" Thick, Deduct</i>	-1.92	
<i>For 0.040" Thick, Deduct</i>	-1.62	
<i>For Manufacturer's Custom Colors, Add</i>	0.21	
07 46 33 00-0035 LF 2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	10.05	2.21
<i>For 0.038" Thick, Deduct</i>	-2.58	
<i>For 0.040" Thick, Deduct</i>	-2.15	
<i>For Manufacturer's Custom Colors, Add</i>	0.28	
07 46 33 00-0036 LF 3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	13.30	2.45
<i>For 0.038" Thick, Deduct</i>	-3.87	
<i>For 0.040" Thick, Deduct</i>	-3.23	
<i>For Manufacturer's Custom Colors, Add</i>	0.42	
07 46 33 00-0037 LF 4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	16.60	2.69
<i>For 0.038" Thick, Deduct</i>	-5.15	
<i>For 0.040" Thick, Deduct</i>	-4.33	
<i>For Manufacturer's Custom Colors, Add</i>	0.56	
07 46 33 00-0038 LF 5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	19.94	2.95
<i>For 0.038" Thick, Deduct</i>	-6.44	
<i>For 0.040" Thick, Deduct</i>	-5.40	
<i>For Manufacturer's Custom Colors, Add</i>	0.70	
07 46 33 00-0039 LF 4" Exposure, Vinyl Fascia	5.17	1.73
<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0040 LF 6" Exposure, Vinyl Fascia	5.75	1.78
<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0041 LF 8" Exposure, Vinyl Fascia	5.68	1.83
<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0042 LF 10" Exposure, Vinyl Fascia	6.49	1.87
<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0043 Fiberglass Siding (07 46 33)		
07 46 33 00-0044 Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045 SF 6 Ounce Corrugated Fiberglass Panels	7.53	2.56
07 46 33 00-0046 SF 8 Ounce Corrugated Fiberglass Panels	7.99	2.30
07 46 33 00-0047 SF 12 Ounce Corrugated Fiberglass Panels	8.82	2.30
07 46 33 00-0048 Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049 SF 6 Ounce Flat Fiberglass Panels	7.23	2.30
07 46 33 00-0050 SF 8 Ounce Flat Fiberglass Panels	7.99	2.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

07 46 46 Fiber-Cement Siding (07 46)

Note: Smooth or patterns. Includes sealer and primer.

07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding <small>(07 46 46)</small>		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.85	2.69
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.52	2.56
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.38	2.50
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.22	2.42
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.94	2.30
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.65	2.17
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	1.49	0.64
07 46 46 00-0009			Fiber Cement Shingle Siding <small>(07 46 46)</small>		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding.....	9.27	2.36
07 46 46 00-0011			Fiber Cement Vertical Panel Siding <small>(07 46 46)</small>		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding.....	5.00	1.92
07 46 46 00-0013			Fiber Cement Trim Boards <small>(07 46 46)</small>		
07 46 46 00-0014			7/16" Thick, Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.28	1.28
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.01	1.41
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.71	1.53
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	6.04	1.79
07 46 46 00-0019			3/4" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.40	1.28
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.19	1.41
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.01	1.53
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.38	1.79
07 46 46 00-0024			1" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board.....	3.55	1.28
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board.....	4.46	1.41
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board.....	5.40	1.53
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board.....	7.04	1.79
07 46 46 00-0029			Fiber Cement Fascia Board <small>(07 46 46)</small>		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	6.75	2.54
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	8.30	2.82
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	9.13	2.82
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	11.94	3.32
07 46 46 00-0034			Fiber Cement Soffit Boards <small>(07 46 46)</small>		
07 46 46 00-0035	SF		1/4" Thick, Non-Vented Fiber Cement Soffit.....	7.65	1.83
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit.....	8.16	1.83

07 46 63 Fabricated Panel Assemblies with Siding (07 46)

07 46 63 00-0001			Metal Liner Panels <small>(07 46 63)</small>		
07 46 63 00-0002			Galvanized Metal Liner Panels <small>(07 46 63 00-0001)</small>		
07 46 63 00-0003	SF		24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	11.32	2.30
07 46 63 00-0004	SF		22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	12.38	2.30
07 46 63 00-0005	SF		20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	14.25	2.30
07 46 63 00-0006	SF		18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	14.44	2.30

07 50 Membrane Roofing (07)

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing (07 50)

07 51 13			Built-Up Asphalt Roofing <small>(07 51)</small>		
07 51 13 00-0001			Built-Up Asphalt Roofing Components <small>(07 51 13)</small>		
07 51 13 00-0002			Built-Up Asphalt Membrane Roofing <small>(07 51 13 00-0001)</small>		

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
07 51 13 00-0005 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	115.80	
For Up To 10, Add	30.57	
For >10 To 20, Add	17.14	
For >20 To 40, Add	9.50	
For >75 To 100, Deduct	-4.75	
For >100 To 200, Deduct	-10.42	
For >200, Deduct	-15.17	
07 51 13 00-0006 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	321.04	
For Up To 10, Add	71.62	
For >10 To 20, Add	37.66	
For >20 To 40, Add	19.76	
For >75 To 100, Deduct	-9.88	
For >100 To 200, Deduct	-20.68	
For >200, Deduct	-30.56	
07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	7.67	
07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	85.21	
For Up To 10, Add	24.59	
For >10 To 20, Add	14.18	
For >20 To 40, Add	8.03	
For >75 To 100, Deduct	-4.02	
For >100 To 200, Deduct	-8.98	
For >200, Deduct	-12.99	
07 51 13 00-0012 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	91.06	
For Up To 10, Add	25.76	
For >10 To 20, Add	14.76	
For >20 To 40, Add	8.33	
For >75 To 100, Deduct	-4.16	
For >100 To 200, Deduct	-9.27	
For >200, Deduct	-13.43	
07 51 13 00-0013 SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	97.71	
For Up To 10, Add	27.09	
For >10 To 20, Add	15.43	
For >20 To 40, Add	8.66	
For >75 To 100, Deduct	-4.33	
For >100 To 200, Deduct	-9.60	
For >200, Deduct	-13.93	
07 51 13 00-0014 SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	171.46	
For Up To 10, Add	41.84	
For >10 To 20, Add	22.80	
For >20 To 40, Add	12.35	
For >75 To 100, Deduct	-6.17	
For >100 To 200, Deduct	-13.29	
For >200, Deduct	-19.46	
07 51 13 00-0015 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	290.46	
For Up To 10, Add	65.64	
For >10 To 20, Add	34.70	
For >20 To 40, Add	18.30	
For >75 To 100, Deduct	-9.15	
For >100 To 200, Deduct	-19.24	
For >200, Deduct	-28.39	
07 51 13 00-0016 SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	220.04	
For Up To 10, Add	52.27	
For >10 To 20, Add	28.20	
For >20 To 40, Add	15.13	
For >75 To 100, Deduct	-7.57	
For >100 To 200, Deduct	-16.16	
For >200, Deduct	-23.73	
07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	4.88	
07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0021 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	89.82	
For Up To 10, Add	21.67	
For >10 To 20, Add	11.76	
For >20 To 40, Add	6.34	
For >75 To 100, Deduct	-3.17	
For >100 To 200, Deduct	-6.80	
For >200, Deduct	-9.98	
07 51 13 00-0022 SQ Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	170.22	
For Up To 10, Add	37.75	
For >10 To 20, Add	19.80	
For >20 To 40, Add	10.36	
For >75 To 100, Deduct	-5.18	
For >100 To 200, Deduct	-10.82	
For >200, Deduct	-16.01	
07 51 13 00-0023 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	289.21	
For Up To 10, Add	61.54	
For >10 To 20, Add	31.70	
For >20 To 40, Add	16.31	
For >75 To 100, Deduct	-8.16	
For >100 To 200, Deduct	-16.77	
For >200, Deduct	-24.93	
07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	5.91	
07 51 13 00-0026 Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	112.14	
For Up To 10, Add	29.84	
For >10 To 20, Add	16.77	
For >20 To 40, Add	9.31	
For >75 To 100, Deduct	-4.66	
For >100 To 200, Deduct	-10.24	
For >200, Deduct	-14.89	
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	127.23	
For Up To 10, Add	32.86	
For >10 To 20, Add	18.28	
For >20 To 40, Add	10.07	
For >75 To 100, Deduct	-5.03	
For >100 To 200, Deduct	-10.99	
For >200, Deduct	-16.03	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	81.55	
For Up To 10, Add	23.85	
For >10 To 20, Add	13.81	
For >20 To 40, Add	7.85	
For >75 To 100, Deduct	-3.92	
For >100 To 200, Deduct	-8.79	
For >200, Deduct	-12.72	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	96.64	
For Up To 10, Add	26.87	
For >10 To 20, Add	15.32	
For >20 To 40, Add	8.60	
For >75 To 100, Deduct	-4.30	
For >100 To 200, Deduct	-9.55	
For >200, Deduct	-13.85	
07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	40.97	
For Up To 10, Add	11.90	
For >10 To 20, Add	6.87	
For >20 To 40, Add	3.90	
For >75 To 100, Deduct	-1.95	
For >100 To 200, Deduct	-4.36	
For >200, Deduct	-6.31	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	56.06	
For Up To 10, Add	14.91	
For >10 To 20, Add	8.38	
For >20 To 40, Add	4.65	
For >75 To 100, Deduct	-2.33	
For >100 To 200, Deduct	-5.12	
For >200, Deduct	-7.44	
07 51 13 00-0036 Surfacing (07 51 13 00-0001)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	180.44	
			<i>For Up To 10, Add</i>	54.61	
			<i>For >10 To 20, Add</i>	31.94	
			<i>For >20 To 40, Add</i>	18.29	
			<i>For >75 To 100, Deduct</i>	-9.14	
			<i>For >100 To 200, Deduct</i>	-20.60	
			<i>For >200, Deduct</i>	-29.74	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	269.25	
			<i>For Up To 10, Add</i>	72.38	
			<i>For >10 To 20, Add</i>	40.82	
			<i>For >20 To 40, Add</i>	22.73	
			<i>For >75 To 100, Deduct</i>	-11.36	
			<i>For >100 To 200, Deduct</i>	-25.04	
			<i>For >200, Deduct</i>	-36.40	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness	187.68	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid	52.50	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			<i>For Up To 10, Add</i>	12.94	
			<i>For >10 To 20, Add</i>	7.08	
			<i>For >20 To 40, Add</i>	3.85	
			<i>For >75 To 100, Deduct</i>	-1.92	
			<i>For >100 To 200, Deduct</i>	-4.15	
			<i>For >200, Deduct</i>	-6.08	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	131.43	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			<i>For Up To 10, Add</i>	30.73	
			<i>For >10 To 20, Add</i>	16.48	
			<i>For >20 To 40, Add</i>	8.79	
			<i>For >75 To 100, Deduct</i>	-4.40	
			<i>For >100 To 200, Deduct</i>	-9.35	
			<i>For >200, Deduct</i>	-13.75	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat	116.74	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			<i>For Up To 10, Add</i>	27.79	
			<i>For >10 To 20, Add</i>	15.01	
			<i>For >20 To 40, Add</i>	8.06	
			<i>For >75 To 100, Deduct</i>	-4.03	
			<i>For >100 To 200, Deduct</i>	-8.62	
			<i>For >200, Deduct</i>	-12.65	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat	156.82	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			<i>For Up To 10, Add</i>	35.81	
			<i>For >10 To 20, Add</i>	19.02	
			<i>For >20 To 40, Add</i>	10.06	
			<i>For >75 To 100, Deduct</i>	-5.03	
			<i>For >100 To 200, Deduct</i>	-10.62	
			<i>For >200, Deduct</i>	-15.65	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat	158.13	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	36.07	
			<i>For >10 To 20, Add</i>	19.15	
			<i>For >20 To 40, Add</i>	10.13	
			<i>For >75 To 100, Deduct</i>	-5.06	
			<i>For >100 To 200, Deduct</i>	-10.69	
			<i>For >200, Deduct</i>	-15.75	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	47.07	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat	163.53	
			Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	37.15	
			<i>For >10 To 20, Add</i>	19.69	
			<i>For >20 To 40, Add</i>	10.40	
			<i>For >75 To 100, Deduct</i>	-5.20	
			<i>For >100 To 200, Deduct</i>	-10.96	
			<i>For >200, Deduct</i>	-16.16	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	48.85	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast	2.58	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast	4.52	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	40.57	
07 51 13 00-0049			Walkway Pads <small>(07 51 13 00-0001)</small>		
			Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	32.95	
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	39.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

07 51 13 00-0052			Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip	4.48	
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip	4.63	
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip	5.32	
07 51 13 00-0056	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.36	
07 51 13 00-0057	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	4.51	
07 51 13 00-0058	LF		1/2" x 6" Perlite Tapered Edge Strip	5.01	
07 51 13 00-0059	LF		1/2" x 12" Perlite Tapered Edge Strip	5.80	
07 51 13 00-0060	LF		1" x 12" Perlite Tapered Edge Strip	6.02	
07 51 13 00-0061	LF		1" x 24" Perlite Tapered Edge Strip	6.84	
07 51 13 00-0062	LF		1-1/2" x 12" Perlite Tapered Edge Strip	6.76	
07 51 13 00-0063	LF		1-1/2" x 18" Perlite Tapered Edge Strip	8.26	
07 51 13 00-0064	LF		1-1/2" x 24" Perlite Tapered Edge Strip	9.34	

07 51 13 00-0065			Asphalt Primer (07 51 13 00-0001)		
07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems	37.65	
<p>Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.</p>					

07 51 13 00-0067			Demolish Built-Up Roofing (07 51 13 00-0001)		
<p>Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.</p>					
07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System	389.08	
				For Up To 10, Add	96.53
				For >10 To 25, Add	57.92
07 51 13 00-0069	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System	300.15	
<p>Note: Includes protective surfacing.</p>					
				For Up To 10, Add	74.46
				For >10 To 25, Add	44.68

07 51 13 00-0070			Roofing System Warranty (07 51 13 00-0001)		
<p>Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.</p>					
07 51 13 00-0071	EA		Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	630.21	
07 51 13 00-0072	SQ		>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.00	
07 51 13 00-0073	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	720.24	
07 51 13 00-0074	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.40	
07 51 13 00-0075	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	990.33	
07 51 13 00-0076	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	19.81	

07 51 13 00-0077			Built-Up Roofing Components (Tremco) (07 51 13)		
<p>Note: All tasks presented as a single layer. Adhesives are priced separately.</p>					

07 51 13 00-0078			Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0079	SQ		BURmastic Composite Ply, Cold Applied BUR Component	144.27	
<p>Note: Asphalt coated polyester/glass/polyester trillaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.</p>					
07 51 13 00-0080	SQ		BURmastic Premium Composite Ply, Cold Applied BUR Component	175.09	
<p>Note: Asphalt coated polyester/glass/polyester trillaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.</p>					
07 51 13 00-0081	SQ		BURmastic Supreme Composite Ply, Cold Applied BUR Component	201.56	
<p>Note: Asphalt coated polyester/glass/polyester trillaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.</p>					
07 51 13 00-0082	SQ		28 LB BURmastic Glass Ply, Cold Applied BUR Component	45.75	
<p>Note: Asphalt coated fiberglass base or ply sheet. Type II.</p>					
07 51 13 00-0083	SQ		33 LB BURmastic Glass Ply, Cold Applied BUR Component	66.40	
<p>Note: Asphalt coated fiberglass base or ply sheet. Type II.</p>					
07 51 13 00-0084	SQ		POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component	276.28	
<p>Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.</p>					
07 51 13 00-0085	SQ		POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component	255.56	
<p>Note: A smooth surfaced, non-woven fiberglass/scrium fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.</p>					

07 51 13 00-0086			Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0077)		
07 51 13 00-0087	SQ		POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component	156.04	
<p>Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.</p>					
07 51 13 00-0088	SQ		POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component	413.89	
<p>Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.</p>					
07 51 13 00-0089	SQ		POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component	684.85	
<p>Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.</p>					

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0090 SQ POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component.....	182.18	
Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0091 SQ POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component.....	279.83	
Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0092 SQ POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component.....	679.31	
Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0093 SQ POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component.....	494.17	
Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0094 SQ POWERply HE FR Cap Sheet, Hot Applied BUR Component.....	490.45	
Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
07 51 13 00-0095 Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0096 SQ POWERply SA Base Sheet, Self Adhesive Roofing.....	284.69	
Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		
07 51 13 00-0097 SQ POWERply SA FR Membrane, Self Adhesive Roofing.....	563.51	
Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.		
07 51 13 00-0098 Flashings (07 51 13 00-0077)		
07 51 13 00-0099 LF 11-1/2" Hypalon Elastomeric Flashing.....	17.38	
Note: 45 mils.		
07 51 13 00-0100 LF 19" Hypalon Elastomeric Flashing.....	28.15	
Note: 45 mils.		
07 51 13 00-0101 LF 25" Hypalon Elastomeric Flashing.....	37.38	
Note: 45 mils.		
07 51 13 00-0102 LF 38" Hypalon Elastomeric Flashing.....	54.88	
Note: 45 mils.		
07 51 13 00-0103 LF 60-1/2" Hypalon Elastomeric Flashing.....	90.30	
Note: 45 mils.		
07 51 13 00-0104 LF 12" TRA Elastomeric Flashing Membrane.....	13.71	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0105 LF 18" TRA Elastomeric Flashing Membrane.....	22.27	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0106 LF 24" TRA Elastomeric Flashing Membrane.....	29.69	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0107 LF 36" TRA Elastomeric Flashing Membrane.....	43.43	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0108 LF 60" TRA Elastomeric Flashing Membrane.....	73.06	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0109 LF 4" BURmesh Fabric.....	3.78	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0110 LF 6" BURmesh Fabric.....	3.95	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0111 LF 12" BURmesh Fabric.....	5.58	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0112 LF 36" BURmesh Fabric.....	14.45	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0113 Cold Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0114 SQ BURmastic Inter-Ply Cold Applied Adhesive.....	176.03	
07 51 13 00-0115 SQ BURmastic Flood Coat Cold Applied Adhesive.....	290.33	
07 51 13 00-0116 SQ BURmastic SF Inter-Ply Cold Applied Adhesive.....	224.44	
07 51 13 00-0117 SQ BURmastic LV Inter-Ply Cold Applied Adhesive.....	176.03	
07 51 13 00-0118 SQ POWERply Standard Inter-Ply Cold Applied Adhesive.....	88.77	
07 51 13 00-0119 SQ POWERply Standard Flood Coat Cold Applied Adhesive.....	197.97	
07 51 13 00-0120 SQ POWERply White On White Cold Applied Adhesive.....	195.34	
07 51 13 00-0121 SQ Rock-It Cold Applied Adhesive For Gravel Applications.....	547.21	
07 51 13 00-0122 SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC).....	302.67	
Note: For insulation only.		
07 51 13 00-0123 SQ ECOLastic Cold Applied Adhesive.....	339.45	
07 51 13 00-0124 Hot Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0125 SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	62.75	
07 51 13 00-0126 SQ Premium III Asphalt Flood Coat Hot Applied Adhesive.....	116.83	
07 51 13 00-0127 Flashings Adhesives (07 51 13 00-0077)		
07 51 13 00-0128 LF Sheeting Bond Flashing Adhesive.....	20.97	
Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0129 LF Polyroof SF Flashing Mastic.....	27.90	
Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0130 LF ELS Flashing Mastic.....	16.81	
Note: Used for repairing flashings and asphalt built-up roof defects.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0131 LF TremSEAL D General Purpose Sealant	6.38	
07 51 13 00-0132 LF TremSEAL HP High Performance Sealant	6.56	
07 51 13 00-0133 LF TremSEAL S Silicone Sealant	6.41	
07 51 13 00-0134 Surfacing <small>(07 51 13 00-0077)</small>		
07 51 13 00-0135 SQ TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	262.82	
07 51 13 00-0136 SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	587.30	
07 51 13 00-0137 SQ Polar Coat.....	149.93	
07 51 13 00-0138 SQ Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	184.15	
07 51 13 00-0139 SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	537.47	
07 51 13 00-0140 SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	242.36	
07 51 13 00-0141 SQ 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	69.36	
07 51 13 00-0142 Walkway Protection Pads <small>(07 51 13 00-0077)</small>		
07 51 13 00-0143 LF 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	33.64	
07 51 13 00-0144 Primer <small>(07 51 13 00-0077)</small>		
07 51 13 00-0145 SQ TREMprime WB Primer	37.93	
Note: Water based polymer modified asphalt primer.		
07 51 13 00-0146 SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	86.06	
07 51 13 00-0147 Liquid Applied Roofing <small>(07 51 13 00-0077)</small>		
07 51 13 00-0148 SQ Trem-LAR LRM H Waterproofing (Horizontal)	446.55	
Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0149 SQ Trem-LAR LRM V Waterproofing (Vertical)	454.54	
Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0150 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces	585.00	
Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0151 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces	761.75	
Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0152 SQ AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating	443.29	
Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0153 SQ AlphaGuard Glass Mat	85.13	
Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0154 SQ AlphaGuard C-Prime Primer	85.84	
Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0155 SQ AlphaGuard M-Prime Primer	92.32	
Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0156 SQ Geogard Primer	67.82	
Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0157 SQ AlphaGuard Primer WB	60.91	
Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
07 51 13 00-0158 Atactic-Polypropylene (APP) Products <small>(07 51 13 00-0077)</small>		
07 51 13 00-0159 SQ POWERply Atactic-Polypropylene (APP) Base Sheet	230.30	
07 51 13 00-0160 SQ POWERply Atactic-Polypropylene (APP) FR	436.14	
07 51 13 00-0161 SQ POWERply Atactic-Polypropylene (APP) Smooth	349.51	
07 51 13 00-0162 Tri-Polymer Alloy (TPA) White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0163 SQ 45 Mil Tri-Polymer Alloy (TPA) White Membrane	611.24	
07 51 13 00-0164 SQ 60 Mil Tri-Polymer Alloy (TPA) White Membrane	840.16	
07 51 13 00-0165 SQ 80 Mil Tri-Polymer Alloy (TPA) White Membrane	955.42	
07 51 13 00-0166 Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0167 SQ 45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	703.82	
07 51 13 00-0168 SQ 60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	864.52	
07 51 13 00-0169 SQ 80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,058.72	
07 51 13 00-0170 Tri-Polymer Alloy (TPA) Membrane Accessories <small>(07 51 13 00-0077)</small>		
07 51 13 00-0171 EA >1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	125.78	
07 51 13 00-0172 EA >4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	142.87	
07 51 13 00-0173 LF 36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	20.05	
07 51 13 00-0174 SQ Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	68.61	
07 51 13 00-0175 Thermoplastic Polyolefin (TPO) Polyester White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0176 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	326.60	
07 51 13 00-0177 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	331.25	
07 51 13 00-0178 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	592.61	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0179			Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0180	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	380.64	
07 51 13 00-0181	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	429.71	
07 51 13 00-0182	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	626.99	
07 51 13 00-0183			Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) <small>(07 51 13 00-0077)</small>		
07 51 13 00-0184	SQ		45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510).....	1,029.66	
07 51 13 00-0185			Single Ply Adhesives <small>(07 51 13 00-0077)</small>		
07 51 13 00-0186	SQ		Low VOC, TPA Bonding Adhesive (Tremco).....	165.76	
07 51 13 00-0187	SQ		Water Based, TPA Bonding Adhesive (Tremco).....	187.39	
07 51 13 00-0188	SQ		Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco).....	162.62	
07 51 13 00-0189	SQ		Low VOC, TPO Bonding Adhesive (Tremco).....	108.07	
07 51 13 00-0190			Warranty (Tremco) <small>(07 51 13 00-0077)</small>		
07 51 13 00-0191	EA		Up To 10,000 SF 15 Year Roofing System Warranty.....	1,500.00	
07 51 13 00-0192	SF		>10,000 SF 15 Year Roofing System Warranty.....	0.15	
07 51 13 00-0193	EA		Up To 10,000 SF 20 Year Roofing System Warranty.....	2,000.00	
07 51 13 00-0194	SF		>10,000 SF 20 Year Roofing System Warranty.....	0.20	
07 51 13 00-0195			Built-Up Roofing Components (Garland) <small>(07 51 13)</small> Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196			Modified Cap Membranes <small>(07 51 13 00-0195)</small> See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197			Modified Cap Membranes, Hot/Cold Applied <small>(07 51 13 00-0196)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ		Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil.....	719.81	
07 51 13 00-0199	SQ		Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil.....	514.92	
07 51 13 00-0200	SQ		Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	637.57	
07 51 13 00-0201	SQ		Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials.....	662.53	
07 51 13 00-0202	SQ		Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil.....	922.49	
07 51 13 00-0203	SQ		Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil.....	1,037.05	
07 51 13 00-0204	SQ		Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil..... Note: Low strength cap sheet for hot or cold modified systems used with gravel.	435.37	
07 51 13 00-0205	SQ		Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil.....	549.45	
07 51 13 00-0206	SQ		BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil.....	335.95	
07 51 13 00-0207			Modified Cap Membranes, Self-Adhering <small>(07 51 13 00-0196)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ		Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil..... Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	651.51	
07 51 13 00-0209			Modified Cap Membranes, Torch-Applied <small>(07 51 13 00-0196)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ		Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil..... Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	802.07	
07 51 13 00-0211	SQ		Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	872.57	
07 51 13 00-0212	SQ		Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil.....	919.56	
07 51 13 00-0213	SQ		Stressply® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil.....	840.25	
07 51 13 00-0214	SQ		Stressply® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil.....	890.19	
07 51 13 00-0215	SQ		Stressply® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil.....	934.25	
07 51 13 00-0216			Modified Cap Membranes, Coal Tar Pitch Systems <small>(07 51 13 00-0196)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	07 51	13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	739.24		
	07 51	13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,169.23		
	07 51	13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	951.88		
07 51	13 00-0220	Base Ply <small>(07 51 13 00-0195)</small>					
				Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane.			
	07 51	13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	658.12		
	07 51	13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	413.58		
	07 51	13 00-0223	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	94.65		
				Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.			
	07 51	13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	62.63		
				Note: Inner ply felts for hot applied built up and modified BUR systems.			
	07 51	13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	76.27		
	07 51	13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	82.88		
	07 51	13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	128.99		
				Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.			
	07 51	13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	419.07		
	07 51	13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	361.46		
				Note: Self adhering base ply for self adhering 2 ply system.			
	07 51	13 00-0230	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	337.15		
	07 51	13 00-0231	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	367.08		
	07 51	13 00-0232	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	304.66		
	07 51	13 00-0233	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	5.42		
	07 51	13 00-0234	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	15.05		
	07 51	13 00-0235	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	72.97		
	07 51	13 00-0236	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.06		
	07 51	13 00-0237	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.12		
	07 51	13 00-0238	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.98		
	07 51	13 00-0239	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	159.56		
07 51	13 00-0240	Coatings And Mastics For Roof Installation, Restoration And Repairs <small>(07 51 13 00-0195)</small>					
	07 51	13 00-0241	SQ	Water Based Roof Primer, CarlaPrime VOC Primer	46.08		
	07 51	13 00-0242	SQ	Black-Knight® Primer	42.63		
	07 51	13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	175.69		
	07 51	13 00-0244	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	185.96		
	07 51	13 00-0245	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	296.17		
	07 51	13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	476.91		
	07 51	13 00-0247	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	490.60		
	07 51	13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	229.23		
	07 51	13 00-0249	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	379.01		
	07 51	13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	585.13		
	07 51	13 00-0251	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	972.36		
	07 51	13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Interply	407.09		
	07 51	13 00-0253	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Flood Coat	420.78		
	07 51	13 00-0254	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	893.24		
	07 51	13 00-0255	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	386.55		
	07 51	13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	188.80		
	07 51	13 00-0257	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	202.49		
	07 51	13 00-0258	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	175.85		
	07 51	13 00-0259	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	164.18		
	07 51	13 00-0260	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	20.67		
				Note: Adheres all insulation layers for cold systems.			
	07 51	13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	199.36		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	193.26	
	07 51 13 00-0263	LF	Silver-Flash® Alumitized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	24.52	
	07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	258.14	
	07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,478.18	
	07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	328.98	
	07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	401.53	
	07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	149.35	
	07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	492.46	
	07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	148.23	

Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.

07 52 Modified Bituminous Membrane Roofing ^(07 50)**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** ^(07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing ^(07 52 13)**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing** ^(07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets ^(07 52 13 11-0001)

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	214.18
		For Up To 10, Add	50.25
		For >10 To 20, Add	26.98
		For >20 To 40, Add	14.41
		For >75 To 100, Deduct	-7.21
		For >100 To 200, Deduct	-15.34
		For >200, Deduct	-22.55
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	261.04
		For Up To 10, Add	59.62
		For >10 To 20, Add	31.66
		For >20 To 40, Add	16.76
		For >75 To 100, Deduct	-8.38
		For >100 To 200, Deduct	-17.68
		For >200, Deduct	-26.06
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	410.68
		For Up To 10, Add	89.55
		For >10 To 20, Add	46.63
		For >20 To 40, Add	24.24
		For >75 To 100, Deduct	-12.12
		For >100 To 200, Deduct	-25.17
		For >200, Deduct	-37.28
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	414.20
		For Up To 10, Add	90.95
		For >10 To 20, Add	47.51
		For >20 To 40, Add	24.77
		For >75 To 100, Deduct	-12.38
		For >100 To 200, Deduct	-25.78
		For >200, Deduct	-38.16
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	296.01
		For Up To 10, Add	67.32
		For >10 To 20, Add	35.69
		For >20 To 40, Add	18.86
		For >75 To 100, Deduct	-9.43
		For >100 To 200, Deduct	-19.87
		For >200, Deduct	-29.30
		For Factory Applied White Reflective Surfacing, Add	104.40
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	343.41
		For Up To 10, Add	76.80
		For >10 To 20, Add	40.43
		For >20 To 40, Add	21.23
		For >75 To 100, Deduct	-10.61
		For >100 To 200, Deduct	-22.24
		For >200, Deduct	-32.86
		For Factory Applied White Reflective Surfacing, Add	104.40
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	472.56
		For Up To 10, Add	102.63
		For >10 To 20, Add	53.34
		For >20 To 40, Add	27.69
		For >75 To 100, Deduct	-13.84
		For >100 To 200, Deduct	-28.70
		For >200, Deduct	-42.54
		For Factory Applied White Reflective Surfacing, Add	104.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing <small>(07 52 13 11-0001)</small>		
07 52 13 11-0011 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	5.98	
07 52 13 11-0012 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.15	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
 07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>		
07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>		
<small>Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.</small>		
07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>		
07 52 13 13-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	154.14	
<i>For Up To 10, Add</i>	38.23	
<i>For >10 To 20, Add</i>	20.97	
<i>For >20 To 40, Add</i>	11.41	
<i>For >75 To 100, Deduct</i>	-5.70	
<i>For >100 To 200, Deduct</i>	-12.33	
<i>For >200, Deduct</i>	-18.04	
07 52 13 13-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	201.01	
<i>For Up To 10, Add</i>	47.60	
<i>For >10 To 20, Add</i>	25.65	
<i>For >20 To 40, Add</i>	13.75	
<i>For >75 To 100, Deduct</i>	-6.88	
<i>For >100 To 200, Deduct</i>	-14.68	
<i>For >200, Deduct</i>	-21.55	
07 52 13 13-0005 SQ 150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	241.59	
<i>For Up To 10, Add</i>	59.44	
<i>For >10 To 20, Add</i>	32.50	
<i>For >20 To 40, Add</i>	17.64	
<i>For >75 To 100, Deduct</i>	-8.82	
<i>For >100 To 200, Deduct</i>	-19.03	
<i>For >200, Deduct</i>	-27.85	
07 52 13 13-0006 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	253.58	
<i>For Up To 10, Add</i>	61.83	
<i>For >10 To 20, Add</i>	33.70	
<i>For >20 To 40, Add</i>	18.24	
<i>For >75 To 100, Deduct</i>	-9.12	
<i>For >100 To 200, Deduct</i>	-19.63	
<i>For >200, Deduct</i>	-28.75	
07 52 13 13-0007 SQ 180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	350.93	
<i>For Up To 10, Add</i>	81.30	
<i>For >10 To 20, Add</i>	43.43	
<i>For >20 To 40, Add</i>	23.11	
<i>For >75 To 100, Deduct</i>	-11.55	
<i>For >100 To 200, Deduct</i>	-24.50	
<i>For >200, Deduct</i>	-36.05	
07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	241.59	
<i>For Up To 10, Add</i>	59.44	
<i>For >10 To 20, Add</i>	32.50	
<i>For >20 To 40, Add</i>	17.64	
<i>For >75 To 100, Deduct</i>	-8.82	
<i>For >100 To 200, Deduct</i>	-19.03	
<i>For >200, Deduct</i>	-27.85	
07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	256.58	
<i>For Up To 10, Add</i>	62.43	
<i>For >10 To 20, Add</i>	34.00	
<i>For >20 To 40, Add</i>	18.39	
<i>For >75 To 100, Deduct</i>	-9.19	
<i>For >100 To 200, Deduct</i>	-19.78	
<i>For >200, Deduct</i>	-28.97	
07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	350.93	
<i>For Up To 10, Add</i>	81.30	
<i>For >10 To 20, Add</i>	43.43	
<i>For >20 To 40, Add</i>	23.11	
<i>For >75 To 100, Deduct</i>	-11.55	
<i>For >100 To 200, Deduct</i>	-24.50	
<i>For >200, Deduct</i>	-36.05	
07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	251.03	
<i>For Up To 10, Add</i>	61.32	
<i>For >10 To 20, Add</i>	33.44	
<i>For >20 To 40, Add</i>	18.11	
<i>For >75 To 100, Deduct</i>	-9.06	
<i>For >100 To 200, Deduct</i>	-19.50	
<i>For >200, Deduct</i>	-28.56	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	265.58	
For Up To 10, Add	64.23	
For >10 To 20, Add	34.90	
For >20 To 40, Add	18.84	
For >75 To 100, Deduct	-9.42	
For >100 To 200, Deduct	-20.23	
For >200, Deduct	-29.65	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	301.28	
For Up To 10, Add	71.37	
For >10 To 20, Add	38.47	
For >20 To 40, Add	20.62	
For >75 To 100, Deduct	-10.31	
For >100 To 200, Deduct	-22.01	
For >200, Deduct	-32.32	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 13 13-0014 SQ 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	305.63	
For Up To 10, Add	72.24	
For >10 To 20, Add	38.90	
For >20 To 40, Add	20.84	
For >75 To 100, Deduct	-10.42	
For >100 To 200, Deduct	-22.23	
For >200, Deduct	-32.65	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 13 13-0015 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	427.58	
For Up To 10, Add	96.63	
For >10 To 20, Add	51.10	
For >20 To 40, Add	26.94	
For >75 To 100, Deduct	-13.47	
For >100 To 200, Deduct	-28.33	
For >200, Deduct	-41.80	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing		
Flashing <small>(07 52 13 13-0001)</small>		
07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.52	
07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.67	
07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.61	
07 52 13 13-0020 SF 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.76	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.16	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.38	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous		
Membrane Roofing <small>(07 52 13)</small>		
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous		
Membrane Roofing <small>(07 52 13 14)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen		
Roofing Base And Ply Sheets <small>(07 52 13 14-0001)</small>		
07 52 13 14-0003 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	229.22	
For Up To 10, Add	49.55	
For >10 To 20, Add	25.70	
For >20 To 40, Add	13.31	
For >75 To 100, Deduct	-6.66	
For >100 To 200, Deduct	-13.77	
For >200, Deduct	-20.43	
07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52)</small>		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.		
See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous		
Membrane Roofing <small>(07 52 16)</small>		
07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified		
Bituminous Membrane Roofing <small>(07 52 16 11)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified		
Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 11-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	168.30	
<i>For Up To 10, Add</i>	41.07	
<i>For >10 To 20, Add</i>	22.39	
<i>For >20 To 40, Add</i>	12.12	
<i>For >75 To 100, Deduct</i>	-6.06	
<i>For >100 To 200, Deduct</i>	-13.05	
<i>For >200, Deduct</i>	-19.11	
07 52 16 11-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	220.33	
<i>For Up To 10, Add</i>	51.48	
<i>For >10 To 20, Add</i>	27.59	
<i>For >20 To 40, Add</i>	14.72	
<i>For >75 To 100, Deduct</i>	-7.36	
<i>For >100 To 200, Deduct</i>	-15.65	
<i>For >200, Deduct</i>	-23.01	
07 52 16 11-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	227.04	
<i>For Up To 10, Add</i>	52.82	
<i>For >10 To 20, Add</i>	28.26	
<i>For >20 To 40, Add</i>	15.06	
<i>For >75 To 100, Deduct</i>	-7.53	
<i>For >100 To 200, Deduct</i>	-15.98	
<i>For >200, Deduct</i>	-23.51	
07 52 16 11-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	310.04	
<i>For Up To 10, Add</i>	69.42	
<i>For >10 To 20, Add</i>	36.56	
<i>For >20 To 40, Add</i>	19.21	
<i>For >75 To 100, Deduct</i>	-9.60	
<i>For >100 To 200, Deduct</i>	-20.13	
<i>For >200, Deduct</i>	-29.74	
07 52 16 11-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	394.04	
<i>For Up To 10, Add</i>	86.22	
<i>For >10 To 20, Add</i>	44.96	
<i>For >20 To 40, Add</i>	23.41	
<i>For >75 To 100, Deduct</i>	-11.70	
<i>For >100 To 200, Deduct</i>	-24.33	
<i>For >200, Deduct</i>	-36.04	
07 52 16 11-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	327.93	
<i>For Up To 10, Add</i>	73.70	
<i>For >10 To 20, Add</i>	38.88	
<i>For >20 To 40, Add</i>	20.45	
<i>For >75 To 100, Deduct</i>	-10.23	
<i>For >100 To 200, Deduct</i>	-21.47	
<i>For >200, Deduct</i>	-31.69	
07 52 16 11-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	336.96	
<i>For Up To 10, Add</i>	75.51	
<i>For >10 To 20, Add</i>	39.78	
<i>For >20 To 40, Add</i>	20.91	
<i>For >75 To 100, Deduct</i>	-10.45	
<i>For >100 To 200, Deduct</i>	-21.92	
<i>For >200, Deduct</i>	-32.37	
07 52 16 11-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	294.66	
<i>For Up To 10, Add</i>	67.05	
<i>For >10 To 20, Add</i>	35.55	
<i>For >20 To 40, Add</i>	18.79	
<i>For >75 To 100, Deduct</i>	-9.40	
<i>For >100 To 200, Deduct</i>	-19.80	
<i>For >200, Deduct</i>	-29.20	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 11-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	298.56	
<i>For Up To 10, Add</i>	67.83	
<i>For >10 To 20, Add</i>	35.94	
<i>For >20 To 40, Add</i>	18.99	
<i>For >75 To 100, Deduct</i>	-9.49	
<i>For >100 To 200, Deduct</i>	-20.00	
<i>For >200, Deduct</i>	-29.49	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 11-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	334.56	
<i>For Up To 10, Add</i>	75.03	
<i>For >10 To 20, Add</i>	39.54	
<i>For >20 To 40, Add</i>	20.79	
<i>For >75 To 100, Deduct</i>	-10.39	
<i>For >100 To 200, Deduct</i>	-21.80	
<i>For >200, Deduct</i>	-32.19	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 11-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	340.56	
<i>For Up To 10, Add</i>	76.23	
<i>For >10 To 20, Add</i>	40.14	
<i>For >20 To 40, Add</i>	21.09	
<i>For >75 To 100, Deduct</i>	-10.54	
<i>For >100 To 200, Deduct</i>	-22.10	
<i>For >200, Deduct</i>	-32.64	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	393.06	
For Up To 10, Add	86.73	
For >10 To 20, Add	45.39	
For >20 To 40, Add	23.71	
For >75 To 100, Deduct	-11.86	
For >100 To 200, Deduct	-24.72	
For >200, Deduct	-36.58	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 11-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	488.70	
For Up To 10, Add	105.85	
For >10 To 20, Add	54.96	
For >20 To 40, Add	28.49	
For >75 To 100, Deduct	-14.25	
For >100 To 200, Deduct	-29.51	
For >200, Deduct	-43.75	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 11-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	301.17	
For Up To 10, Add	68.35	
For >10 To 20, Add	36.20	
For >20 To 40, Add	19.12	
For >75 To 100, Deduct	-9.56	
For >100 To 200, Deduct	-20.13	
For >200, Deduct	-29.69	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 11-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	310.56	
For Up To 10, Add	70.23	
For >10 To 20, Add	37.14	
For >20 To 40, Add	19.59	
For >75 To 100, Deduct	-9.79	
For >100 To 200, Deduct	-20.60	
For >200, Deduct	-30.39	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 11-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	361.56	
For Up To 10, Add	80.43	
For >10 To 20, Add	42.24	
For >20 To 40, Add	22.14	
For >75 To 100, Deduct	-11.07	
For >100 To 200, Deduct	-23.15	
For >200, Deduct	-34.22	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 11-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	362.76	
For Up To 10, Add	80.67	
For >10 To 20, Add	42.36	
For >20 To 40, Add	22.20	
For >75 To 100, Deduct	-11.10	
For >100 To 200, Deduct	-23.21	
For >200, Deduct	-34.31	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 11-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	385.56	
For Up To 10, Add	85.23	
For >10 To 20, Add	44.64	
For >20 To 40, Add	23.34	
For >75 To 100, Deduct	-11.67	
For >100 To 200, Deduct	-24.35	
For >200, Deduct	-36.02	
For Factory Applied White Reflective Surfacing, Add	104.40	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 11-0001)

07 52 16 11-0022 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.21	
07 52 16 11-0023 SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.79	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 11-0024 SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.82	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 11-0025 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.24	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 11-0026 SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.77	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 11-0027 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.73	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 11-0028 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.85	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 11-0029 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.94	
For Factory Applied White Reflective Surfacing, Add	1.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0030 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.47	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 11-0031 SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.69	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 11-0032 SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.56	
07 52 16 11-0033 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	14.30	
 07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing		
<i>(07 52 16)</i>		
07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <i>(07 52 16 12)</i>		
Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <i>(07 52 16 12-0001)</i>		
07 52 16 12-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	137.71	
<i>For Up To 10, Add</i>	35.09	
<i>For >10 To 20, Add</i>	19.43	
<i>For >20 To 40, Add</i>	10.66	
<i>For >75 To 100, Deduct</i>	-5.33	
<i>For >100 To 200, Deduct</i>	-11.60	
<i>For >200, Deduct</i>	-16.93	
07 52 16 12-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	189.75	
<i>For Up To 10, Add</i>	45.49	
<i>For >10 To 20, Add</i>	24.63	
<i>For >20 To 40, Add</i>	13.26	
<i>For >75 To 100, Deduct</i>	-6.63	
<i>For >100 To 200, Deduct</i>	-14.20	
<i>For >200, Deduct</i>	-20.83	
07 52 16 12-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	196.46	
<i>For Up To 10, Add</i>	46.84	
<i>For >10 To 20, Add</i>	25.30	
<i>For >20 To 40, Add</i>	13.60	
<i>For >75 To 100, Deduct</i>	-6.80	
<i>For >100 To 200, Deduct</i>	-14.54	
<i>For >200, Deduct</i>	-21.34	
07 52 16 12-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	279.46	
<i>For Up To 10, Add</i>	63.44	
<i>For >10 To 20, Add</i>	33.60	
<i>For >20 To 40, Add</i>	17.75	
<i>For >75 To 100, Deduct</i>	-8.87	
<i>For >100 To 200, Deduct</i>	-18.69	
<i>For >200, Deduct</i>	-27.56	
07 52 16 12-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	363.46	
<i>For Up To 10, Add</i>	80.24	
<i>For >10 To 20, Add</i>	42.00	
<i>For >20 To 40, Add</i>	21.95	
<i>For >75 To 100, Deduct</i>	-10.97	
<i>For >100 To 200, Deduct</i>	-22.89	
<i>For >200, Deduct</i>	-33.86	
07 52 16 12-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	297.41	
<i>For Up To 10, Add</i>	67.74	
<i>For >10 To 20, Add</i>	35.94	
<i>For >20 To 40, Add</i>	19.00	
<i>For >75 To 100, Deduct</i>	-9.50	
<i>For >100 To 200, Deduct</i>	-20.03	
<i>For >200, Deduct</i>	-29.53	
07 52 16 12-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	306.44	
<i>For Up To 10, Add</i>	69.55	
<i>For >10 To 20, Add</i>	36.84	
<i>For >20 To 40, Add</i>	19.45	
<i>For >75 To 100, Deduct</i>	-9.73	
<i>For >100 To 200, Deduct</i>	-20.48	
<i>For >200, Deduct</i>	-30.21	
07 52 16 12-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	264.14	
<i>For Up To 10, Add</i>	61.09	
<i>For >10 To 20, Add</i>	32.61	
<i>For >20 To 40, Add</i>	17.34	
<i>For >75 To 100, Deduct</i>	-8.67	
<i>For >100 To 200, Deduct</i>	-18.37	
<i>For >200, Deduct</i>	-27.04	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	268.04	
For Up To 10, Add	61.87	
For >10 To 20, Add	33.00	
For >20 To 40, Add	17.53	
For >75 To 100, Deduct	-8.77	
For >100 To 200, Deduct	-18.56	
For >200, Deduct	-27.33	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	304.04	
For Up To 10, Add	69.07	
For >10 To 20, Add	36.60	
For >20 To 40, Add	19.33	
For >75 To 100, Deduct	-9.67	
For >100 To 200, Deduct	-20.36	
For >200, Deduct	-30.03	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	310.04	
For Up To 10, Add	70.27	
For >10 To 20, Add	37.20	
For >20 To 40, Add	19.63	
For >75 To 100, Deduct	-9.82	
For >100 To 200, Deduct	-20.66	
For >200, Deduct	-30.48	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	362.54	
For Up To 10, Add	80.77	
For >10 To 20, Add	42.45	
For >20 To 40, Add	22.26	
For >75 To 100, Deduct	-11.13	
For >100 To 200, Deduct	-23.29	
For >200, Deduct	-34.42	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	458.17	
For Up To 10, Add	99.89	
For >10 To 20, Add	52.01	
For >20 To 40, Add	27.04	
For >75 To 100, Deduct	-13.52	
For >100 To 200, Deduct	-28.07	
For >200, Deduct	-41.59	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	270.65	
For Up To 10, Add	62.39	
For >10 To 20, Add	33.26	
For >20 To 40, Add	17.66	
For >75 To 100, Deduct	-8.83	
For >100 To 200, Deduct	-18.70	
For >200, Deduct	-27.53	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	280.04	
For Up To 10, Add	64.27	
For >10 To 20, Add	34.20	
For >20 To 40, Add	18.13	
For >75 To 100, Deduct	-9.07	
For >100 To 200, Deduct	-19.16	
For >200, Deduct	-28.23	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	331.04	
For Up To 10, Add	74.47	
For >10 To 20, Add	39.30	
For >20 To 40, Add	20.68	
For >75 To 100, Deduct	-10.34	
For >100 To 200, Deduct	-21.71	
For >200, Deduct	-32.06	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	332.24	
For Up To 10, Add	74.71	
For >10 To 20, Add	39.42	
For >20 To 40, Add	20.74	
For >75 To 100, Deduct	-10.37	
For >100 To 200, Deduct	-21.77	
For >200, Deduct	-32.15	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	355.04	
For Up To 10, Add	79.27	
For >10 To 20, Add	41.70	
For >20 To 40, Add	21.88	
For >75 To 100, Deduct	-10.94	
For >100 To 200, Deduct	-22.91	
For >200, Deduct	-33.86	
For Factory Applied White Reflective Surfacing, Add	104.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

07 52 16 12-0021			Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 12-0001)</small>		
07 52 16 12-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.01	
07 52 16 12-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.59	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.62	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0025	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.98	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0026	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.04	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0027	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.57	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0028	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	6.53	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0029	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.65	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0030	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.74	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0031	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.17	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0032	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.49	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 12-0033	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	7.36	
07 52 16 12-0034	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	14.10	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
(07 52 16)

07 52 16 13-0001			Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 13)</small>		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002			Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 13-0001)</small>		
07 52 16 13-0003	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	283.58	
			<i>For Up To 10, Add</i>	67.83	
			<i>For >10 To 20, Add</i>	36.70	
			<i>For >20 To 40, Add</i>	19.74	
			<i>For >75 To 100, Deduct</i>	-9.87	
			<i>For >100 To 200, Deduct</i>	-21.13	
			<i>For >200, Deduct</i>	-31.00	
07 52 16 13-0004	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	254.48	
			<i>For Up To 10, Add</i>	62.01	
			<i>For >10 To 20, Add</i>	33.79	
			<i>For >20 To 40, Add</i>	18.28	
			<i>For >75 To 100, Deduct</i>	-9.14	
			<i>For >100 To 200, Deduct</i>	-19.67	
			<i>For >200, Deduct</i>	-28.81	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 13-0005	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	288.68	
			<i>For Up To 10, Add</i>	68.85	
			<i>For >10 To 20, Add</i>	37.21	
			<i>For >20 To 40, Add</i>	19.99	
			<i>For >75 To 100, Deduct</i>	-10.00	
			<i>For >100 To 200, Deduct</i>	-21.38	
			<i>For >200, Deduct</i>	-31.38	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 13-0006	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	443.72	
			<i>For Up To 10, Add</i>	99.86	
			<i>For >10 To 20, Add</i>	52.71	
			<i>For >20 To 40, Add</i>	27.75	
			<i>For >75 To 100, Deduct</i>	-13.87	
			<i>For >100 To 200, Deduct</i>	-29.13	
			<i>For >200, Deduct</i>	-43.01	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	264.26	
			<i>For Up To 10, Add</i>	63.97	
			<i>For >10 To 20, Add</i>	34.76	
			<i>For >20 To 40, Add</i>	18.77	
			<i>For >75 To 100, Deduct</i>	-9.39	
			<i>For >100 To 200, Deduct</i>	-20.16	
			<i>For >200, Deduct</i>	-29.55	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch- Applied.....	304.58	
For Up To 10, Add	72.03	
For >10 To 20, Add	38.80	
For >20 To 40, Add	20.79	
For >75 To 100, Deduct	-10.39	
For >100 To 200, Deduct	-22.18	
For >200, Deduct	-32.57	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 13-0009 SQ 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch- Applied.....	317.57	
For Up To 10, Add	74.83	
For >10 To 20, Add	40.24	
For >20 To 40, Add	21.54	
For >75 To 100, Deduct	-10.77	
For >100 To 200, Deduct	-22.95	
For >200, Deduct	-33.72	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 13-0010 SQ 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch- Applied.....	411.68	
For Up To 10, Add	93.65	
For >10 To 20, Add	49.66	
For >20 To 40, Add	26.24	
For >75 To 100, Deduct	-13.12	
For >100 To 200, Deduct	-27.66	
For >200, Deduct	-40.78	
For Factory Applied White Reflective Surfacing, Add	104.40	
07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 13-0001)</small>		
07 52 16 13-0012 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.02	
07 52 16 13-0013 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.00	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 13-0014 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.54	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 13-0015 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch- Applied.....	4.19	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 13-0016 SF 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch- Applied.....	4.27	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 13-0017 SF 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch- Applied.....	5.22	
For Factory Applied White Reflective Surfacing, Add	1.04	
07 52 16 13-0018 SF 150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.42	
07 52 16 13-0019 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	13.12	
07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 14)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 16 14-0001)</small>		
07 52 16 14-0003 SQ 35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened.....	177.52	
For Up To 10, Add	39.21	
For >10 To 20, Add	20.53	
For >20 To 40, Add	10.73	
For >75 To 100, Deduct	-5.36	
For >100 To 200, Deduct	-11.19	
For >200, Deduct	-16.55	
07 52 16 14-0004 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	136.47	
For Up To 10, Add	31.00	
For >10 To 20, Add	16.42	
For >20 To 40, Add	8.67	
For >75 To 100, Deduct	-4.34	
For >100 To 200, Deduct	-9.14	
For >200, Deduct	-13.47	
07 52 16 14-0005 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	176.88	
For Up To 10, Add	39.08	
For >10 To 20, Add	20.46	
For >20 To 40, Add	10.70	
For >75 To 100, Deduct	-5.35	
For >100 To 200, Deduct	-11.16	
For >200, Deduct	-16.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0006 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	221.52	
<i>For Up To 10, Add</i>	48.01	
<i>For >10 To 20, Add</i>	24.93	
<i>For >20 To 40, Add</i>	12.93	
<i>For >75 To 100, Deduct</i>	-6.46	
<i>For >100 To 200, Deduct</i>	-13.39	
<i>For >200, Deduct</i>	-19.85	
07 52 16 14-0007 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	278.22	
<i>For Up To 10, Add</i>	59.35	
<i>For >10 To 20, Add</i>	30.60	
<i>For >20 To 40, Add</i>	15.76	
<i>For >75 To 100, Deduct</i>	-7.88	
<i>For >100 To 200, Deduct</i>	-16.22	
<i>For >200, Deduct</i>	-24.11	
07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 14-0001)</small>		
07 52 16 14-0009 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	3.47	
07 52 16 14-0010 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	3.55	
07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 15)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003 SQ 60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	142.12	
<i>For Up To 10, Add</i>	32.87	
<i>For >10 To 20, Add</i>	17.55	
<i>For >20 To 40, Add</i>	9.33	
<i>For >75 To 100, Deduct</i>	-4.66	
<i>For >100 To 200, Deduct</i>	-9.88	
<i>For >200, Deduct</i>	-14.55	
07 52 16 15-0004 SQ 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	150.63	
<i>For Up To 10, Add</i>	34.57	
<i>For >10 To 20, Add</i>	18.40	
<i>For >20 To 40, Add</i>	9.75	
<i>For >75 To 100, Deduct</i>	-4.88	
<i>For >100 To 200, Deduct</i>	-10.31	
<i>For >200, Deduct</i>	-15.19	
07 52 16 15-0005 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	254.53	
<i>For Up To 10, Add</i>	55.69	
<i>For >10 To 20, Add</i>	29.04	
<i>For >20 To 40, Add</i>	15.12	
<i>For >75 To 100, Deduct</i>	-7.56	
<i>For >100 To 200, Deduct</i>	-15.71	
<i>For >200, Deduct</i>	-23.27	
07 52 16 15-0006 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	304.39	
<i>For Up To 10, Add</i>	65.66	
<i>For >10 To 20, Add</i>	34.02	
<i>For >20 To 40, Add</i>	17.61	
<i>For >75 To 100, Deduct</i>	-8.80	
<i>For >100 To 200, Deduct</i>	-18.21	
<i>For >200, Deduct</i>	-27.01	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 15-0007 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	451.39	
<i>For Up To 10, Add</i>	95.06	
<i>For >10 To 20, Add</i>	48.72	
<i>For >20 To 40, Add</i>	24.96	
<i>For >75 To 100, Deduct</i>	-12.48	
<i>For >100 To 200, Deduct</i>	-25.56	
<i>For >200, Deduct</i>	-38.04	
<i>For Factory Applied White Reflective Surfacing, Add</i>	104.40	
07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 15-0001)</small>		
07 52 16 15-0009 SF 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	3.98	
07 52 16 15-0010 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.46	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	
07 52 16 15-0011 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	5.93	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.04	

07 53 Elastomeric Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices.

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered	604.20	88.93
		Note: Includes adhesive.		
		<i>For Up To 10, Add</i>	156.41	
		<i>For >10 To 20, Add</i>	87.10	
		<i>For >20 To 40, Add</i>	48.00	
		<i>For >75 To 100, Deduct</i>	-24.00	
		<i>For >100 To 200, Deduct</i>	-52.44	
		<i>For >200, Deduct</i>	-76.44	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted	464.56	44.47
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	110.70	
		<i>For >10 To 20, Add</i>	59.80	
		<i>For >20 To 40, Add</i>	32.12	
		<i>For >75 To 100, Deduct</i>	-16.06	
		<i>For >100 To 200, Deduct</i>	-34.34	
		<i>For >200, Deduct</i>	-50.40	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	493.35	66.70
		Note: Includes fasteners.		
		<i>For Up To 10, Add</i>	125.35	
		<i>For >10 To 20, Add</i>	69.35	
		<i>For >20 To 40, Add</i>	38.01	
		<i>For >75 To 100, Deduct</i>	-19.00	
		<i>For >100 To 200, Deduct</i>	-41.34	
		<i>For >200, Deduct</i>	-60.35	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For Mechanically Fastened To Concrete Decks, Add</i>	33.35	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	34.62	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)**07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes** (07 53 23)

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	313.66	44.47
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	80.52	
		<i>For >10 To 20, Add</i>	44.71	
		<i>For >20 To 40, Add</i>	24.58	
		<i>For >75 To 100, Deduct</i>	-12.29	
		<i>For >100 To 200, Deduct</i>	-26.80	
		<i>For >200, Deduct</i>	-39.09	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For Low Slope Fire Rated, Add</i>	8.39	
		<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	31.49	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	408.86	47.24
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	100.67	
		<i>For >10 To 20, Add</i>	55.06	
		<i>For >20 To 40, Add</i>	29.89	
		<i>For >75 To 100, Deduct</i>	-14.95	
		<i>For >100 To 200, Deduct</i>	-32.25	
		<i>For >200, Deduct</i>	-47.20	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For 20 Year Warranty, Add</i>	7.00	
		<i>For 25 Year Warranty, Add</i>	9.00	
		<i>For Low Slope Fire Rated, Add</i>	8.39	
		<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	31.49	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	555.48	50.02
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	131.11	
		<i>For >10 To 20, Add</i>	70.56	
		<i>For >20 To 40, Add</i>	37.78	
		<i>For >75 To 100, Deduct</i>	-18.89	
		<i>For >100 To 200, Deduct</i>	-40.28	
		<i>For >200, Deduct</i>	-59.17	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For 20 Year Warranty, Add</i>	7.00	
		<i>For 25 Year Warranty, Add</i>	9.00	
		<i>For Low Slope Fire Rated, Add</i>	8.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0005 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	376.36	66.70
Note: Includes adhesive and fasteners.		
For Up To 10, Add	101.95	
For >10 To 20, Add	57.65	
For >20 To 40, Add	32.16	
For >75 To 100, Deduct	-16.08	
For >100 To 200, Deduct	-35.49	
For >200, Deduct	-51.57	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	8.39	
For Low VOC Adhesive, Add	23.35	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	31.49	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
For Integral Polyester Fleece-Backing, Add	108.12	
07 53 23 00-0006 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	471.55	69.48
Note: Includes adhesive and fasteners.		
For Up To 10, Add	122.10	
For >10 To 20, Add	68.00	
For >20 To 40, Add	37.47	
For >75 To 100, Deduct	-18.74	
For >100 To 200, Deduct	-40.95	
For >200, Deduct	-59.68	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	8.39	
For Low VOC Adhesive, Add	23.35	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	31.49	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
For Integral Polyester Fleece-Backing, Add	120.42	
07 53 23 00-0007 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	618.18	72.25
Note: Includes adhesive and fasteners.		
For Up To 10, Add	152.54	
For >10 To 20, Add	83.50	
For >20 To 40, Add	45.36	
For >75 To 100, Deduct	-22.68	
For >100 To 200, Deduct	-48.97	
For >200, Deduct	-71.65	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	8.39	
For Low VOC Adhesive, Add	23.35	
For Reinforced Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
For Integral Polyester Fleece-Backing, Add	133.84	
07 53 23 00-0008 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	496.26	88.93
Note: Includes adhesive and fasteners.		
For Up To 10, Add	134.82	
For >10 To 20, Add	76.31	
For >20 To 40, Add	42.60	
For >75 To 100, Deduct	-21.30	
For >100 To 200, Deduct	-47.05	
For >200, Deduct	-68.35	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	8.39	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	31.49	
For Low VOC Adhesive, Add	58.38	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
For Integral Polyester Fleece-Backing, Add	108.12	
07 53 23 00-0009 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	591.46	91.71
Note: Includes adhesive and fasteners.		
For Up To 10, Add	154.98	
For >10 To 20, Add	86.66	
For >20 To 40, Add	47.92	
For >75 To 100, Deduct	-23.96	
For >100 To 200, Deduct	-52.50	
For >200, Deduct	-76.46	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	8.39	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	31.49	
For Low VOC Adhesive, Add	58.38	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
For Integral Polyester Fleece-Backing, Add	120.42	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	738.07	94.49
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	185.41	
			For >10 To 20, Add	102.15	
			For >20 To 40, Add	55.80	
			For >75 To 100, Deduct	-27.90	
			For >100 To 200, Deduct	-60.53	
			For >200, Deduct	-88.43	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.39	
			For Low VOC Adhesive, Add	58.38	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
			For Integral Polyester Fleece-Backing, Add	133.84	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	342.21	66.70
			Note: Includes fasteners.		
			For Up To 10, Add	95.12	
			For >10 To 20, Add	54.23	
			For >20 To 40, Add	30.45	
			For >75 To 100, Deduct	-15.23	
			For >100 To 200, Deduct	-33.79	
			For >200, Deduct	-49.01	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	8.39	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	31.49	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
			For Mechanically Fastened To Concrete Decks, Add	33.35	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.62	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	437.40	69.48
			Note: Includes fasteners.		
			For Up To 10, Add	115.27	
			For >10 To 20, Add	64.58	
			For >20 To 40, Add	35.77	
			For >75 To 100, Deduct	-17.88	
			For >100 To 200, Deduct	-39.24	
			For >200, Deduct	-57.12	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.39	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	31.49	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
			For Mechanically Fastened To Concrete Decks, Add	34.74	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	36.01	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	584.03	72.25
			Note: Includes fasteners.		
			For Up To 10, Add	145.71	
			For >10 To 20, Add	80.08	
			For >20 To 40, Add	43.65	
			For >75 To 100, Deduct	-21.83	
			For >100 To 200, Deduct	-47.27	
			For >200, Deduct	-69.09	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.39	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.04	
			For Mechanically Fastened To Concrete Decks, Add	36.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	37.40	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories <small>(07 53 23)</small>		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	71.30	
			For Up To 10, Add	18.71	
			For >10 To 20, Add	10.46	
			For >20 To 40, Add	5.79	
			For >75 To 100, Deduct	-2.89	
			For >100 To 200, Deduct	-6.34	
			For >200, Deduct	-9.24	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	73.75	
			Note: 55% solids by volume.		
			For Up To 10, Add	19.20	
			For >10 To 20, Add	10.71	
			For >20 To 40, Add	5.91	
			For >75 To 100, Deduct	-2.96	
			For >100 To 200, Deduct	-6.47	
			For >200, Deduct	-9.42	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	44.95	10.56
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot	64.32	10.56
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot	120.20	10.56
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	159.40	11.67
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	34.93	6.45
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	6.64	1.66
07 53 23 00-0023 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	8.30	2.50

07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	518.09	50.02
<i>For Up To 10, Add</i>	123.63	
<i>For >10 To 20, Add</i>	66.82	
<i>For >20 To 40, Add</i>	35.91	
<i>For >75 To 100, Deduct</i>	-17.95	
<i>For >100 To 200, Deduct</i>	-38.41	
<i>For >200, Deduct</i>	-56.37	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive.	578.70	72.25
<i>For Up To 10, Add</i>	144.64	
<i>For >10 To 20, Add</i>	79.55	
<i>For >20 To 40, Add</i>	43.39	
<i>For >75 To 100, Deduct</i>	-21.69	
<i>For >100 To 200, Deduct</i>	-47.00	
<i>For >200, Deduct</i>	-68.69	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	695.46	94.49
<i>For Up To 10, Add</i>	176.89	
<i>For >10 To 20, Add</i>	97.89	
<i>For >20 To 40, Add</i>	53.67	
<i>For >75 To 100, Deduct</i>	-26.84	
<i>For >100 To 200, Deduct</i>	-58.40	
<i>For >200, Deduct</i>	-85.23	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	206.92	44.47
<i>For Up To 10, Add</i>	59.17	
<i>For >10 To 20, Add</i>	34.03	
<i>For >20 To 40, Add</i>	19.24	
<i>For >75 To 100, Deduct</i>	-9.62	
<i>For >100 To 200, Deduct</i>	-21.46	
<i>For >200, Deduct</i>	-31.08	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	30.28	
07 54 19 00-0003 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	228.31	47.24
<i>For Up To 10, Add</i>	64.56	
<i>For >10 To 20, Add</i>	37.00	
<i>For >20 To 40, Add</i>	20.86	
<i>For >75 To 100, Deduct</i>	-10.43	
<i>For >100 To 200, Deduct</i>	-23.23	
<i>For >200, Deduct</i>	-33.66	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	30.28	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54	19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	251.33	48.63
			Note: Includes ballast.		
			For Up To 10, Add	69.72	
			For >10 To 20, Add	39.72	
			For >20 To 40, Add	22.29	
			For >75 To 100, Deduct	-11.15	
			For >100 To 200, Deduct	-24.73	
			For >200, Deduct	-35.87	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	30.28	
07 54	19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	262.91	50.02
			Note: Includes ballast.		
			For Up To 10, Add	72.59	
			For >10 To 20, Add	41.30	
			For >20 To 40, Add	23.15	
			For >75 To 100, Deduct	-11.58	
			For >100 To 200, Deduct	-25.65	
			For >200, Deduct	-37.23	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	30.28	
07 54	19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	412.44	88.93
			Note: Includes adhesive.		
			For Up To 10, Add	118.06	
			For >10 To 20, Add	67.92	
			For >20 To 40, Add	38.41	
			For >75 To 100, Deduct	-19.20	
			For >100 To 200, Deduct	-42.85	
			For >200, Deduct	-62.06	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	80.85	
			For Integral Polyester Fleece-Backing, Add	30.28	
07 54	19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	433.85	91.71
			Note: Includes adhesive.		
			For Up To 10, Add	123.46	
			For >10 To 20, Add	70.90	
			For >20 To 40, Add	40.04	
			For >75 To 100, Deduct	-20.02	
			For >100 To 200, Deduct	-44.62	
			For >200, Deduct	-64.64	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	80.85	
			For Integral Polyester Fleece-Backing, Add	30.28	
07 54	19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	456.86	93.10
			Note: Includes adhesive.		
			For Up To 10, Add	128.61	
			For >10 To 20, Add	73.62	
			For >20 To 40, Add	41.46	
			For >75 To 100, Deduct	-20.73	
			For >100 To 200, Deduct	-46.12	
			For >200, Deduct	-66.85	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	80.85	
			For Integral Polyester Fleece-Backing, Add	30.28	
07 54	19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	468.43	94.49
			Note: Includes adhesive.		
			For Up To 10, Add	131.48	
			For >10 To 20, Add	75.19	
			For >20 To 40, Add	42.32	
			For >75 To 100, Deduct	-21.16	
			For >100 To 200, Deduct	-47.04	
			For >200, Deduct	-68.20	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	80.85	
			For Integral Polyester Fleece-Backing, Add	30.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0010 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened 227.52		66.70
Note: Includes fasteners.		
For Up To 10, Add	72.18	
For >10 To 20, Add	42.76	
For >20 To 40, Add	24.72	
For >75 To 100, Deduct	-12.36	
For >100 To 200, Deduct	-28.05	
For >200, Deduct	-40.41	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	30.28	
For Mechanically Fastened To Concrete Decks, Add	33.35	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.62	
07 54 19 00-0011 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened 248.90		69.48
Note: Includes fasteners.		
For Up To 10, Add	77.57	
For >10 To 20, Add	45.73	
For >20 To 40, Add	26.34	
For >75 To 100, Deduct	-13.17	
For >100 To 200, Deduct	-29.81	
For >200, Deduct	-42.98	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	30.28	
For Mechanically Fastened To Concrete Decks, Add	34.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	36.01	
07 54 19 00-0012 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened 271.93		70.87
Note: Includes fasteners.		
For Up To 10, Add	82.73	
For >10 To 20, Add	48.45	
For >20 To 40, Add	27.77	
For >75 To 100, Deduct	-13.89	
For >100 To 200, Deduct	-31.31	
For >200, Deduct	-45.20	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	30.28	
For Mechanically Fastened To Concrete Decks, Add	35.44	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	36.71	
07 54 19 00-0013 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened 283.51		72.25
Note: Includes fasteners.		
For Up To 10, Add	85.61	
For >10 To 20, Add	50.03	
For >20 To 40, Add	28.63	
For >75 To 100, Deduct	-14.31	
For >100 To 200, Deduct	-32.24	
For >200, Deduct	-46.55	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	30.28	
For Mechanically Fastened To Concrete Decks, Add	36.13	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	37.40	
07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015 SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat 71.30		
For Up To 10, Add	18.71	
For >10 To 20, Add	10.46	
For >20 To 40, Add	5.79	
For >75 To 100, Deduct	-2.89	
For >100 To 200, Deduct	-6.34	
For >200, Deduct	-9.24	
07 54 19 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat 73.75		
Note: 55% solids by volume.		
For Up To 10, Add	19.20	
For >10 To 20, Add	10.71	
For >20 To 40, Add	5.91	
For >75 To 100, Deduct	-2.96	
For >100 To 200, Deduct	-6.47	
For >200, Deduct	-9.42	
07 54 19 00-0017 EA Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot 74.44		9.45
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018 EA >3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot 104.50		10.56
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019 EA >7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot 133.65		11.67
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020 EA 6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket 170.02		11.67
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021 LF 36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad 29.94		6.45
07 54 19 00-0022 SF Polyvinyl Chloride (PVC) Membrane Base Flashing 7.90		1.66

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0023	SF		Polyvinyl Chloride (PVC) Membrane Curb Flashing	9.56	2.50
07 54 19 00-0024	SF		Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	10.68	1.66
Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.					
07 54 23 Thermoplastic-Polyolefin Roofing (07 54)					
07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)					
Note: Includes polyester fabric reinforcement and hot air welding of seams.					
07 54 23 00-0002	SQ		45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	439.71	88.93
Note: Includes adhesive.					
For Up To 10, Add				123.51	
For >10 To 20, Add				70.65	
For >20 To 40, Add				39.77	
For >75 To 100, Deduct				-19.89	
For >100 To 200, Deduct				-44.22	
For >200, Deduct				-64.10	
For 15 Year Warranty, Add				3.00	
For Low VOC Adhesive, Add				58.38	
For Integral Polyester Fleece-Backing, Add				33.25	
07 54 23 00-0003	SQ		50 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	460.13	90.32
Note: Includes adhesive.					
For Up To 10, Add				128.15	
For >10 To 20, Add				73.11	
For >20 To 40, Add				41.07	
For >75 To 100, Deduct				-20.54	
For >100 To 200, Deduct				-45.59	
For >200, Deduct				-66.12	
For 15 Year Warranty, Add				3.00	
For 20 Year Warranty, Add				7.00	
For 25 Year Warranty, Add				9.00	
For Low VOC Adhesive, Add				58.38	
For Integral Polyester Fleece-Backing, Add				33.25	
07 54 23 00-0004	SQ		60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	470.77	91.71
Note: Includes adhesive.					
For Up To 10, Add				130.84	
For >10 To 20, Add				74.59	
For >20 To 40, Add				41.88	
For >75 To 100, Deduct				-20.94	
For >100 To 200, Deduct				-46.47	
For >200, Deduct				-67.41	
For 15 Year Warranty, Add				3.00	
For 20 Year Warranty, Add				7.00	
For 25 Year Warranty, Add				9.00	
For Low VOC Adhesive, Add				58.38	
For Integral Polyester Fleece-Backing, Add				33.25	
07 54 23 00-0005	SQ		80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	607.30	94.49
Note: Includes adhesive.					
For Up To 10, Add				159.26	
For >10 To 20, Add				89.08	
For >20 To 40, Add				49.26	
For >75 To 100, Deduct				-24.63	
For >100 To 200, Deduct				-53.99	
For >200, Deduct				-78.62	
For 15 Year Warranty, Add				3.00	
For 20 Year Warranty, Add				7.00	
For 25 Year Warranty, Add				9.00	
For Low VOC Adhesive, Add				58.38	
For Integral Polyester Fleece-Backing, Add				33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	293.02	66.70
Note: Includes fasteners.					
For Up To 10, Add				85.28	
For >10 To 20, Add				49.31	
For >20 To 40, Add				27.99	
For >75 To 100, Deduct				-14.00	
For >100 To 200, Deduct				-31.33	
For >200, Deduct				-45.32	
For 15 Year Warranty, Add				3.00	
For Integral Polyester Fleece-Backing, Add				33.25	
For Mechanically Fastened To Concrete Decks, Add				33.35	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add				34.62	
07 54 23 00-0007	SQ		50 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	313.42	68.09
Note: Includes fasteners.					
For Up To 10, Add				89.92	
For >10 To 20, Add				51.77	
For >20 To 40, Add				29.29	
For >75 To 100, Deduct				-14.64	
For >100 To 200, Deduct				-32.69	
For >200, Deduct				-47.34	
For 15 Year Warranty, Add				3.00	
For 20 Year Warranty, Add				7.00	
For 25 Year Warranty, Add				9.00	
For Integral Polyester Fleece-Backing, Add				33.25	
For Mechanically Fastened To Concrete Decks, Add				34.04	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add				35.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0008 SQ 60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	324.05	69.48
Note: Includes fasteners.		
For Up To 10, Add	92.60	
For >10 To 20, Add	53.25	
For >20 To 40, Add	30.10	
For >75 To 100, Deduct	-15.05	
For >100 To 200, Deduct	-33.57	
For >200, Deduct	-48.62	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Integral Polyester Fleece-Backing, Add	33.25	
For Mechanically Fastened To Concrete Decks, Add	34.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	36.01	
07 54 23 00-0009 SQ 80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	460.60	72.25
Note: Includes fasteners.		
For Up To 10, Add	121.02	
For >10 To 20, Add	67.74	
For >20 To 40, Add	37.48	
For >75 To 100, Deduct	-18.74	
For >100 To 200, Deduct	-41.10	
For >200, Deduct	-59.84	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Integral Polyester Fleece-Backing, Add	33.25	
For Mechanically Fastened To Concrete Decks, Add	36.13	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	37.40	
07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0011 SQ Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	84.79	
For Up To 10, Add	21.40	
For >10 To 20, Add	11.81	
For >20 To 40, Add	6.46	
For >75 To 100, Deduct	-3.23	
For >100 To 200, Deduct	-7.02	
For >200, Deduct	-10.25	
07 54 23 00-0012 SQ Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	73.75	
Note: 55% solids by volume.		
For Up To 10, Add	19.20	
For >10 To 20, Add	10.71	
For >20 To 40, Add	5.91	
For >75 To 100, Deduct	-2.96	
For >100 To 200, Deduct	-6.47	
For >200, Deduct	-9.42	
For Tan Or Gray Color, Add	2.58	
07 54 23 00-0013 EA Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	64.13	9.45
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014 EA >3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	69.23	10.56
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015 EA 6" Diameter, Prefabricated TPO Penetration Pocket.....	127.09	11.67
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016 LF 30" Wide, TPO Walkway Protection Pad	29.57	6.45
07 54 23 00-0017 SF Thermoplastic Polyolefin Membrane Base Flashing	8.25	1.66
07 54 23 00-0018 SF Thermoplastic Polyolefin Curb Flashing	7.12	1.66
For Tan Or Gray Color, Add	0.11	
07 54 23 00-0019 SF Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing.....	12.10	1.66
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		
07 56 Fluid-Applied Roofing (07 50)		
07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,060.00	148.30
For Each Additional Coat, Add	159.00	
07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing	1,384.36	156.28
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing	1,549.45	174.54
07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	446.62	89.55
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	533.42	89.55
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	598.69	89.55
07 56 00 00-0010 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On (07 56)		
Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0012 SQ Elastomeric Installation Over Urethane Foam	986.36	
07 56 00 00-0013 SQ Elastomeric Installation Over Decks	1,012.19	
07 56 00 00-0014 SQ Elastomeric Installation Over Exterior, Waterproofing	401.66	
07 56 00 00-0015 SQ Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof	1,302.76	
07 56 00 00-0016 SQ Elastomeric Installation Over New Construction, Waterproofing.....	715.34	
07 56 00 00-0017 SQ Elastomeric Installation Over Mobile Home	474.74	
07 56 00 00-0018 SQ Elastomeric Installation Over Corrugated Metal Roofs	553.97	
07 56 00 00-0019 SQ Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,065.58	
07 56 00 00-0020 SQ 4" Acrylic Gel With Fabric (Apply At Edges).....	3.83	
07 56 00 00-0021 SQ 6" Acrylic Gel With Fabric (Apply At Edges).....	5.44	
07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies (07 56) Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023 SF Up To 50 SF White (High-Albedo) Polyurethane Coating	11.29	
07 56 00 00-0024 SF >50 To 100 SF White (High-Albedo) Polyurethane Coating	10.81	
07 56 00 00-0025 SF >100 To 500 SF White (High-Albedo) Polyurethane Coating	10.33	
07 56 00 00-0026 SEA >500 To 1,000 SF White (High-Albedo) Polyurethane Coating	9.73	
07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0028 SQ 90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane	1,807.72	89.55
Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.		
07 56 00 00-0029 Urethane Liquid Roofing Membrane (07 56) Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030 SQ Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	97.19	
07 56 00 00-0031 LF Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	5.29	
07 56 00 00-0032 SQ White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	370.87	
07 56 00 00-0033 SQ White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	95.60	
07 56 00 00-0034 SQ White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	915.17	
07 56 00 00-0035 SQ White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,383.83	
07 56 00 00-0036 SQ White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	946.80	
07 56 00 00-0037 SQ White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	244.14	
07 57 Coated Foamed Roofing (07 50)		
07 57 13 Sprayed Polyurethane Foam Roofing (07 57) Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	343.24	54.71
07 57 13 00-0005 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	409.42	58.62
07 57 13 00-0006 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	475.60	62.53
07 57 13 00-0007 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	548.22	66.44
07 57 13 00-0008 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	620.84	70.34
07 57 13 00-0009 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	680.57	74.25
07 57 13 00-0010 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	740.29	78.16
07 57 13 00-0011 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	806.47	82.07
07 57 13 00-0012 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	872.64	85.97
07 57 13 00-0013 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	938.81	89.89
07 57 13 00-0014 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,004.99	93.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0015				Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0016	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	353.27	54.71
07 57 13 00-0017	SQ			1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	419.45	58.62
07 57 13 00-0018	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	485.63	62.53
07 57 13 00-0019	SQ			2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	551.80	66.44
07 57 13 00-0020	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	617.97	70.34
07 57 13 00-0021	SQ			3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	684.15	74.25
07 57 13 00-0022	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	750.32	78.16
07 57 13 00-0023	SQ			4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	816.50	82.07
07 57 13 00-0024	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	882.67	85.97
07 57 13 00-0025	SQ			5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	948.84	89.89
07 57 13 00-0026	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,015.02	93.79
07 57 13 00-0027				Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0028	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	377.63	54.71
07 57 13 00-0029	SQ			1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	441.66	58.62
07 57 13 00-0030	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	505.69	62.53
07 57 13 00-0031	SQ			2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	571.86	66.44
07 57 13 00-0032	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	638.03	70.34
07 57 13 00-0033	SQ			3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	731.01	74.25
07 57 13 00-0034	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	823.98	78.16
07 57 13 00-0035	SQ			4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	895.60	82.07
07 57 13 00-0036	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	967.22	85.97
07 57 13 00-0037	SQ			5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,038.83	89.89
07 57 13 00-0038	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,110.46	93.79
07 57 13 00-0039				Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0040				Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0041	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	384.80	54.71
07 57 13 00-0042	SQ			1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	456.42	58.62
07 57 13 00-0043	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	528.05	62.53
07 57 13 00-0044	SQ			2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	599.66	66.44
07 57 13 00-0045	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	671.28	70.34
07 57 13 00-0046	SQ			3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	742.90	74.25
07 57 13 00-0047	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	814.52	78.16
07 57 13 00-0048	SQ			4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	886.14	82.07
07 57 13 00-0049	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	957.76	85.97

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0050 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,029.37	89.89
07 57 13 00-0051 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,101.00	93.79
07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0053 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	398.98	54.71
07 57 13 00-0054 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	470.61	58.62
07 57 13 00-0055 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	542.23	62.53
07 57 13 00-0056 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	613.85	66.44
07 57 13 00-0057 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	685.46	70.34
07 57 13 00-0058 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	757.09	74.25
07 57 13 00-0059 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	828.70	78.16
07 57 13 00-0060 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	900.33	82.07
07 57 13 00-0061 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	971.94	85.97
07 57 13 00-0062 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,043.56	89.89
07 57 13 00-0063 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,115.18	93.79
07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	410.02	54.71
07 57 13 00-0066 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	481.64	58.62
07 57 13 00-0067 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	553.27	62.53
07 57 13 00-0068 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	624.88	66.44
07 57 13 00-0069 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	696.50	70.34
07 57 13 00-0070 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	768.12	74.25
07 57 13 00-0071 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	839.74	78.16
07 57 13 00-0072 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	911.36	82.07
07 57 13 00-0073 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	982.98	85.97
07 57 13 00-0074 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,054.59	89.89
07 57 13 00-0075 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,126.22	93.79
07 58 Roll Roofing <small>(07 50)</small>		
07 58 00 00-0001 Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002 SQ Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	255.54	35.17
07 59 Membrane Roofing Termination Bar <small>(07 50)</small>		
07 59 00 00-0001 Membrane Roofing Termination Bar <small>(07 59)</small> Note: Includes fasteners and caulking.		
07 59 00 00-0002 LF Membrane Roofing Termination Bar.....	5.04	1.60
07 60 Flashing and Sheet Metal <small>(07)</small>		
07 61 Sheet Metal Roofing <small>(07 60)</small>		
07 61 13 Standing Seam Sheet Metal Roofing <small>(07 61)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0001 Standing Seam Concealed Fastener Roofing <small>(07 61 13)</small>		
07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0003 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	36.81	3.98
<i>For Steep Roof, Over 6 To 12, Add</i>	2.38	
<i>For Panels <16" Wide, Add</i>	3.31	
<i>For 140 MPH Wind Load, Add</i>	1.37	
<i>For Up To 1,500, Add</i>	9.20	
<i>For >1,500 To 5,000, Add</i>	5.52	
<i>For >5,000 To 10,000, Add</i>	0.92	
07 61 13 00-0004 SF Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	40.30	4.31
<i>For Steep Roof, Over 6 To 12, Add</i>	2.58	
<i>For Panels <16" Wide, Add</i>	3.61	
<i>For 140 MPH Wind Load, Add</i>	1.49	
<i>For Up To 1,500, Add</i>	10.08	
<i>For >1,500 To 5,000, Add</i>	6.05	
<i>For >5,000 To 10,000, Add</i>	1.01	
07 61 13 00-0005 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	47.42	4.71
<i>For Steep Roof, Over 6 To 12, Add</i>	2.82	
<i>For Panels <16" Wide, Add</i>	4.11	
<i>For 140 MPH Wind Load, Add</i>	1.70	
<i>For Up To 1,500, Add</i>	11.86	
<i>For >1,500 To 5,000, Add</i>	7.11	
<i>For >5,000 To 10,000, Add</i>	1.19	
07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0007 SF 0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	42.98	4.31
<i>For Steep Roof, Over 6 To 12, Add</i>	2.58	
<i>For Panels <16" Wide, Add</i>	3.74	
<i>For 140 MPH Wind Load, Add</i>	1.55	
<i>For Up To 1,500, Add</i>	10.75	
<i>For >1,500 To 5,000, Add</i>	6.45	
<i>For >5,000 To 10,000, Add</i>	1.07	
<i>For Tin/Copper, Deduct</i>	-0.69	
07 61 13 00-0008 SF 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	51.94	4.49
<i>For Steep Roof, Over 6 To 12, Add</i>	2.69	
<i>For Panels <16" Wide, Add</i>	4.26	
<i>For 140 MPH Wind Load, Add</i>	1.76	
<i>For Up To 1,500, Add</i>	12.99	
<i>For >1,500 To 5,000, Add</i>	7.79	
<i>For >5,000 To 10,000, Add</i>	1.30	
<i>For Tin/Copper, Deduct</i>	-0.86	
07 61 13 00-0009 SF 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	58.97	4.71
<i>For Steep Roof, Over 6 To 12, Add</i>	2.82	
<i>For Panels <16" Wide, Add</i>	4.69	
<i>For 140 MPH Wind Load, Add</i>	1.93	
<i>For Up To 1,500, Add</i>	14.74	
<i>For >1,500 To 5,000, Add</i>	8.85	
<i>For >5,000 To 10,000, Add</i>	1.47	
<i>For Tin/Copper, Deduct</i>	-0.99	
07 61 13 00-0010 SF 0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	73.79	4.92
<i>For Steep Roof, Over 6 To 12, Add</i>	2.95	
<i>For Panels <16" Wide, Add</i>	5.51	
<i>For 140 MPH Wind Load, Add</i>	2.26	
<i>For Up To 1,500, Add</i>	18.45	
<i>For >1,500 To 5,000, Add</i>	11.07	
<i>For >5,000 To 10,000, Add</i>	1.84	
<i>For Tin/Copper, Deduct</i>	-1.28	
07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0012 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	153.51	8.21
<i>For Steep Roof, Over 6 To 12, Add</i>	6.16	
<i>For 140 MPH Wind Load, Add</i>	4.71	
07 61 13 00-0013 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	89.11	8.21
<i>For Steep Roof, Over 6 To 12, Add</i>	6.16	
<i>For 140 MPH Wind Load, Add</i>	3.42	
07 61 13 00-0014 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	214.41	8.21
<i>For Steep Roof, Over 6 To 12, Add</i>	6.16	
<i>For 140 MPH Wind Load, Add</i>	5.93	
07 61 13 00-0015 LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	158.33	8.21
<i>For Steep Roof, Over 6 To 12, Add</i>	6.16	
<i>For 140 MPH Wind Load, Add</i>	4.81	
07 61 16 Batten Seam Sheet Metal Roofing <small>(07 61)</small>		
07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16)</small>		
07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16 00-0001)</small>		

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0003 SF 16 Ounce Copper Batten Seam Concealed Fastener Roofing	45.31	4.71
For Steep Roof, Over 6 To 12, Add	2.82	
For Panels <16" Wide, Add	4.00	
For 140 MPH Wind Load, Add	1.66	
For Up To 1,500, Add	11.33	
For >1,500 To 5,000, Add	6.80	
For >5,000 To 10,000, Add	1.13	
07 61 16 00-0004 SF 18 Ounce Copper Batten Seam Concealed Fastener Roofing	50.00	4.94
For Steep Roof, Over 6 To 12, Add	2.96	
For Panels <16" Wide, Add	4.32	
For 140 MPH Wind Load, Add	1.79	
For Up To 1,500, Add	12.50	
For >1,500 To 5,000, Add	7.50	
For >5,000 To 10,000, Add	1.25	
07 61 16 00-0005 SF 20 Ounce Copper Batten Seam Concealed Fastener Roofing	58.22	5.17
For Steep Roof, Over 6 To 12, Add	3.10	
For Panels <16" Wide, Add	4.82	
For 140 MPH Wind Load, Add	1.99	
For Up To 1,500, Add	14.56	
For >1,500 To 5,000, Add	8.73	
For >5,000 To 10,000, Add	1.46	
07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)	45.94	4.31
07 61 16 00-0007 SF 0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	45.94	4.31
For Steep Roof, Over 6 To 12, Add	2.58	
For Panels <16" Wide, Add	3.89	
For 140 MPH Wind Load, Add	1.61	
For Up To 1,500, Add	11.49	
For >1,500 To 5,000, Add	6.89	
For >5,000 To 10,000, Add	1.15	
For Tin/Copper, Deduct	-0.75	
07 61 16 00-0008 SF 0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	56.17	4.49
For Steep Roof, Over 6 To 12, Add	2.70	
For Panels <16" Wide, Add	4.47	
For 140 MPH Wind Load, Add	1.84	
For Up To 1,500, Add	14.04	
For >1,500 To 5,000, Add	8.43	
For >5,000 To 10,000, Add	1.40	
For Tin/Copper, Deduct	-0.94	
07 61 16 00-0009 SF 0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	62.91	4.71
For Steep Roof, Over 6 To 12, Add	2.82	
For Panels <16" Wide, Add	4.88	
For 140 MPH Wind Load, Add	2.01	
For Up To 1,500, Add	15.73	
For >1,500 To 5,000, Add	9.44	
For >5,000 To 10,000, Add	1.57	
For Tin/Copper, Deduct	-1.07	
07 61 16 00-0010 SF 0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	78.86	4.92
For Steep Roof, Over 6 To 12, Add	2.95	
For Panels <16" Wide, Add	5.76	
For 140 MPH Wind Load, Add	2.36	
For Up To 1,500, Add	19.72	
For >1,500 To 5,000, Add	11.83	
For >5,000 To 10,000, Add	1.97	
For Tin/Copper, Deduct	-1.38	
07 61 19 Flat Seam Sheet Metal Roofing (07 61)		
07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003 SF 16 Ounce Copper Flat Seam Concealed Fastener Roofing	35.09	4.31
For Steep Roof, Over 6 To 12, Add	2.58	
For Panels <16" Wide, Add	3.35	
For 140 MPH Wind Load, Add	1.39	
For Up To 1,500, Add	8.77	
For >1,500 To 5,000, Add	5.26	
For >5,000 To 10,000, Add	0.88	
07 61 19 00-0004 SF 18 Ounce Copper Flat Seam Concealed Fastener Roofing	38.57	4.49
For Steep Roof, Over 6 To 12, Add	2.70	
For Panels <16" Wide, Add	3.59	
For 140 MPH Wind Load, Add	1.49	
For Up To 1,500, Add	9.64	
For >1,500 To 5,000, Add	5.79	
For >5,000 To 10,000, Add	0.96	
07 61 19 00-0005 SF 20 Ounce Copper Flat Seam Concealed Fastener Roofing	44.60	4.71
For Steep Roof, Over 6 To 12, Add	2.82	
For Panels <16" Wide, Add	3.97	
For 140 MPH Wind Load, Add	1.64	
For Up To 1,500, Add	11.15	
For >1,500 To 5,000, Add	6.69	
For >5,000 To 10,000, Add	1.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		
07 61 19 00-0007 SF 0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	40.30	4.31
<i>For Steep Roof, Over 6 To 12, Add</i>	2.58	
<i>For Panels <16" Wide, Add</i>	3.61	
<i>For 140 MPH Wind Load, Add</i>	1.49	
<i>For Up To 1,500, Add</i>	10.08	
<i>For >1,500 To 5,000, Add</i>	6.05	
<i>For >5,000 To 10,000, Add</i>	1.01	
<i>For Tin/Copper, Deduct</i>	-0.63	
07 61 19 00-0008 SF 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	49.13	4.49
<i>For Steep Roof, Over 6 To 12, Add</i>	2.70	
<i>For Panels <16" Wide, Add</i>	4.12	
<i>For 140 MPH Wind Load, Add</i>	1.70	
<i>For Up To 1,500, Add</i>	12.28	
<i>For >1,500 To 5,000, Add</i>	7.37	
<i>For >5,000 To 10,000, Add</i>	1.23	
<i>For Tin/Copper, Deduct</i>	-0.80	
07 61 19 00-0009 SF 0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	55.17	4.71
<i>For Steep Roof, Over 6 To 12, Add</i>	2.82	
<i>For Panels <16" Wide, Add</i>	4.50	
<i>For 140 MPH Wind Load, Add</i>	1.85	
<i>For Up To 1,500, Add</i>	13.79	
<i>For >1,500 To 5,000, Add</i>	8.28	
<i>For >5,000 To 10,000, Add</i>	1.38	
<i>For Tin/Copper, Deduct</i>	-0.92	
07 61 19 00-0010 SF 0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	69.00	4.92
<i>For Steep Roof, Over 6 To 12, Add</i>	2.95	
<i>For Panels <16" Wide, Add</i>	5.27	
<i>For 140 MPH Wind Load, Add</i>	2.17	
<i>For Up To 1,500, Add</i>	17.25	
<i>For >1,500 To 5,000, Add</i>	10.35	
<i>For >5,000 To 10,000, Add</i>	1.73	
<i>For Tin/Copper, Deduct</i>	-1.18	
 07 62 Sheet Metal Flashing and Trim <small>(07 60)</small>		
07 62 13 Fabricated Copings <small>(07 62)</small>		
07 62 13 00-0001 Lead Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0002 SF 2.5 LB/SF Sheet Lead Flashing.....	25.60	6.92
<i>For Up To 100, Add</i>	6.40	
07 62 13 00-0003 SF 4 LB/SF Sheet Lead Flashing.....	32.86	6.92
<i>For Up To 100, Add</i>	8.22	
 07 62 13 00-0004 Copper Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0005 Copper Flashing And Trim <small>(07 62 13 00-0004)</small>		
07 62 13 00-0006 SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	41.10	6.75
<i>For Up To 100, Add</i>	10.28	
<i>For >500 To 2,000, Deduct</i>	-5.61	
<i>For >2,000, Deduct</i>	-7.00	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.67	
<i>For Wrap Around Window Panning, Add</i>	13.36	
07 62 13 00-0007 SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	42.40	6.92
<i>For Up To 100, Add</i>	10.60	
<i>For >500 To 2,000, Deduct</i>	-5.79	
<i>For >2,000, Deduct</i>	-7.21	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.79	
<i>For Wrap Around Window Panning, Add</i>	13.96	
07 62 13 00-0008 SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	48.75	7.37
<i>For Up To 100, Add</i>	12.19	
<i>For >500 To 2,000, Deduct</i>	-6.63	
<i>For >2,000, Deduct</i>	-8.34	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.93	
<i>For Wrap Around Window Panning, Add</i>	14.63	
07 62 13 00-0009 SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	60.86	7.68
<i>For Up To 100, Add</i>	15.22	
<i>For >500 To 2,000, Deduct</i>	-8.22	
<i>For >2,000, Deduct</i>	-10.49	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	3.07	
<i>For Wrap Around Window Panning, Add</i>	15.36	
 07 62 13 00-0010 Stainless Steel Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0011 Stainless Steel Flashing And Trim <small>(07 62 13 00-0010)</small>		
07 62 13 00-0012 SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	12.61	3.69
<i>For Up To 100, Add</i>	3.15	
<i>For Wrap Around Window Panning, Add</i>	9.48	
<i>For Mechanically Keyed Flashing, Add</i>	1.25	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0013 SF 30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	13.54	4.15
For Up To 100, Add	3.39	
For Wrap Around Window Panning, Add	9.63	
For Mechanically Keyed Flashing, Add	1.56	
07 62 13 00-0014 SF 28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	14.48	4.60
For Up To 100, Add	3.62	
For Wrap Around Window Panning, Add	9.79	
For Mechanically Keyed Flashing, Add	1.88	
07 62 13 00-0015 SF 26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	15.97	5.07
For Up To 100, Add	3.99	
For Wrap Around Window Panning, Add	10.10	
For Mechanically Keyed Flashing, Add	2.35	
07 62 13 00-0016 SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	18.49	5.38
For Up To 100, Add	4.62	
For Wrap Around Window Panning, Add	10.67	
For Mechanically Keyed Flashing, Add	3.13	
07 62 13 00-0017 SF 22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	20.11	5.65
For Up To 100, Add	5.03	
For Wrap Around Window Panning, Add	11.29	
For Mechanically Keyed Flashing, Add	3.53	
07 62 13 00-0018 SF 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	21.51	5.99
For Up To 100, Add	5.38	
For Wrap Around Window Panning, Add	11.95	
For Mechanically Keyed Flashing, Add	3.82	
07 62 13 00-0019 Aluminum Flashing And Trim (07 62 13)		
07 62 13 00-0020 Aluminum Flashing And Trim (07 62 13 00-0019)		
07 62 13 00-0021 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim	13.90	4.76
For Up To 100, Add	3.48	
For Baked Aluminum Colors, Add	0.33	
For Wrap Around Window Panning, Add	10.59	
07 62 13 00-0022 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim	14.62	4.76
For Up To 100, Add	3.66	
For Baked Aluminum Colors, Add	0.40	
For Wrap Around Window Panning, Add	10.59	
07 62 13 00-0023 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim	15.19	4.76
For Up To 100, Add	3.80	
For Baked Aluminum Colors, Add	0.46	
For Wrap Around Window Panning, Add	10.59	
07 62 13 00-0024 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim	16.02	4.76
For Up To 100, Add	4.01	
For Baked Aluminum Colors, Add	0.54	
For Wrap Around Window Panning, Add	10.59	
07 62 13 00-0025 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim	17.18	4.76
For Up To 100, Add	4.30	
For Baked Aluminum Colors, Add	0.66	
For Wrap Around Window Panning, Add	10.59	
07 62 13 00-0026 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim	17.89	4.76
For Up To 100, Add	4.47	
For Baked Aluminum Colors, Add	0.73	
For Wrap Around Window Panning, Add	10.59	
07 62 13 00-0027 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim	18.46	4.76
For Up To 100, Add	4.62	
For Baked Aluminum Colors, Add	0.79	
For Wrap Around Window Panning, Add	10.59	
07 62 13 00-0028 Steel Flashing And Trim (07 62 13)		
07 62 13 00-0029 Galvanized Steel Flashing And Trim (07 62 13 00-0028)		
07 62 13 00-0030 SF 28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	14.36	4.60
For Up To 100, Add	3.59	
For Wrap Around Window Panning, Add	9.79	
07 62 13 00-0031 SF 26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	14.92	5.07
For Up To 100, Add	3.73	
For Wrap Around Window Panning, Add	10.10	
07 62 13 00-0032 SF 24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	15.87	5.38
For Up To 100, Add	3.97	
For Wrap Around Window Panning, Add	10.67	
07 62 13 00-0033 SF 22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	16.87	5.65
For Up To 100, Add	4.22	
For Wrap Around Window Panning, Add	11.29	
07 62 13 00-0034 SF 20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	18.20	5.99
For Up To 100, Add	4.55	
For Wrap Around Window Panning, Add	11.95	
07 62 19 Fabricated Gravel Stops and Fasciae (07 62)		
07 62 19 00-0001 Drip Edge (07 62 19)		
07 62 19 00-0002 Aluminum Drip Edge (07 62 19 00-0001)		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	12.59	1.76
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.70	1.88
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.73	2.11
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.34	2.23
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	27.25	2.35
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.47	1.76
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	16.68	1.88
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	19.20	2.11
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.09	2.23
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	28.91	2.35
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.35	1.76
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.85	1.88
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.61	2.11
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	24.85	2.23
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	31.25	2.35
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	16.11	1.76
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.19	1.88
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.39	2.11
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	28.37	2.23
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	35.94	2.35
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	16.69	1.76
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.07	1.88
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	24.32	2.11
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	29.54	2.23
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	37.50	2.35
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	18.74	1.76
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.71	1.88
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	27.54	2.11
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	33.64	2.23
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	42.97	2.35
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.67	1.76
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	27.61	1.88
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	32.18	2.11
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	39.50	2.23
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	50.78	2.35
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	25.19	1.76
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	32.30	1.88
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	37.75	2.11
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	46.53	2.23
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	60.15	2.35
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	10.32	1.76
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	12.61	1.88
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	14.16	2.11
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	16.79	2.23
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	20.98	2.35
07 62 19 00-0059		0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	10.93	1.76
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	13.28	1.88

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0062 LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	15.17	2.11
07 62 19 00-0063 LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	18.00	2.23
07 62 19 00-0064 LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	22.12	2.35
07 62 19 00-0065 0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0066 LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	11.53	1.76
07 62 19 00-0067 LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	14.09	1.88
07 62 19 00-0068 LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	16.14	2.11
07 62 19 00-0069 LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	19.21	2.23
07 62 19 00-0070 LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	23.74	2.35
07 62 19 00-0071 0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0072 LF Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	12.74	1.76
07 62 19 00-0073 LF >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	15.71	1.88
07 62 19 00-0074 LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	18.06	2.11
07 62 19 00-0075 LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	21.64	2.23
07 62 19 00-0076 LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	26.97	2.35
07 62 19 00-0077 0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0078 LF Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	13.15	1.76
07 62 19 00-0079 LF >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	16.31	1.88
07 62 19 00-0080 LF >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	18.70	2.11
07 62 19 00-0081 LF >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	22.45	2.23
07 62 19 00-0082 LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	28.05	2.35
07 62 19 00-0083 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0084 LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	14.56	1.76
07 62 19 00-0085 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	18.13	1.88
07 62 19 00-0086 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	20.92	2.11
07 62 19 00-0087 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	25.27	2.23
07 62 19 00-0088 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	31.82	2.35
07 62 19 00-0089 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0090 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	16.58	1.76
07 62 19 00-0091 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	20.82	1.88
07 62 19 00-0092 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	24.12	2.11
07 62 19 00-0093 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	29.31	2.23
07 62 19 00-0094 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	37.21	2.35
07 62 19 00-0095 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0096 LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	19.01	1.76
07 62 19 00-0097 LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	24.06	1.88
07 62 19 00-0098 LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	27.96	2.11
07 62 19 00-0099 LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	34.16	2.23
07 62 19 00-0100 LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	43.67	2.35
07 62 19 00-0101 Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0102 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0103 LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.03	1.76
07 62 19 00-0104 LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.30	1.88
07 62 19 00-0105 LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.42	2.11
07 62 19 00-0106 LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.21	2.23
07 62 19 00-0107 LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.46	2.35
07 62 19 00-0108 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0109 LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.96	1.76
07 62 19 00-0110 LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.33	1.88
07 62 19 00-0111 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.97	2.11
07 62 19 00-0112 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.08	2.23
07 62 19 00-0113 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	30.22	2.35
07 62 19 00-0114 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0115 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.90	1.76
07 62 19 00-0116 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.57	1.88
07 62 19 00-0117 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.48	2.11
07 62 19 00-0118 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.94	2.23
07 62 19 00-0119 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	32.71	2.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0120				0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.76	1.76
			LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.06	1.88
			LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.43	2.11
			LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.67	2.23
			LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.67	2.35
07 62 19 00-0126				0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.38	1.76
			LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.99	1.88
			LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.41	2.11
			LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.91	2.23
			LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.33	2.35
07 62 19 00-0132				0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.55	1.76
			LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.78	1.88
			LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.82	2.11
			LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.25	2.23
			LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	45.13	2.35
07 62 19 00-0138				0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.66	1.76
			LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.92	1.88
			LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.74	2.11
			LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.46	2.23
			LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	53.41	2.35
07 62 19 00-0144				0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.38	1.76
			LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.89	1.88
			LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.64	2.11
			LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	48.92	2.23
			LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	63.34	2.35
07 62 19 00-0150				Galvanized Steel Drip Edge (07 62 19 00-0001)		
				Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151				Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0152				26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
			LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	12.01	1.76
			LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	14.78	1.88
			LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	16.89	2.11
			LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	20.16	2.23
			LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	25.00	2.35
07 62 19 00-0158				24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
			LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	13.02	1.76
			LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	16.14	1.88
			LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	18.49	2.11
			LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	22.19	2.23
			LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	27.69	2.35
07 62 19 00-0164				KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0165				26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
			LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	15.04	1.76
			LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	18.85	1.88
			LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	21.70	2.11
			LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	26.22	2.23
			LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	33.09	2.35
07 62 19 00-0171				24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
			LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	16.50	1.76
			LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	20.81	1.88
			LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	24.02	2.11
			LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	29.15	2.23
			LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	36.99	2.35

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 62 19 00-0177		Stainless Steel Drip Edge (07 62 19 00-0001) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	20.63	1.76
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	26.22	1.88
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	30.53	2.11
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	37.42	2.23
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	48.01	2.35
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	25.47	1.76
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	32.67	1.88
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	38.22	2.11
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	47.09	2.23
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	60.90	2.35
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	31.16	1.76
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	40.26	1.88
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	47.22	2.11
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	58.47	2.23
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	76.08	2.35

07 63 Sheet Metal Roofing Specialties (07 60)

07 63 00 00-0001		Pitch Pockets (07 63) Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	96.48	
		<i>For Pourable Sealer Filled, Add</i>	39.13	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	19.58	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	115.23	
		<i>For Pourable Sealer Filled, Add</i>	88.10	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.17	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	139.64	
		<i>For Pourable Sealer Filled, Add</i>	156.54	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	78.09	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	153.73	
		<i>For Pourable Sealer Filled, Add</i>	195.67	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	98.15	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	166.80	
		<i>For Pourable Sealer Filled, Add</i>	234.80	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	117.42	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	195.84	
		<i>For Pourable Sealer Filled, Add</i>	352.20	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	175.02	
07 63 00 00-0009		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	106.53	
		<i>For Pourable Sealer Filled, Add</i>	39.13	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	19.58	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	127.01	
		<i>For Pourable Sealer Filled, Add</i>	88.10	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.17	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	153.76	
		<i>For Pourable Sealer Filled, Add</i>	156.54	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	78.09	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	171.47	
		<i>For Pourable Sealer Filled, Add</i>	195.67	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	98.15	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	184.60	
		<i>For Pourable Sealer Filled, Add</i>	234.80	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	117.42	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	214.73	
		<i>For Pourable Sealer Filled, Add</i>	352.20	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	175.02	
07 63 00 00-0016		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	109.58	
		<i>For Pourable Sealer Filled, Add</i>	39.13	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	19.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0018 EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	129.58	
<i>For Pourable Sealer Filled, Add</i>	88.10	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.17	
07 63 00 00-0019 EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	150.49	
<i>For Pourable Sealer Filled, Add</i>	156.54	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	78.09	
07 63 00 00-0020 EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	163.86	
<i>For Pourable Sealer Filled, Add</i>	195.67	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	98.15	
07 63 00 00-0021 EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	176.02	
<i>For Pourable Sealer Filled, Add</i>	234.80	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	117.42	
07 63 00 00-0022 SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	203.15	
<i>For Pourable Sealer Filled, Add</i>	352.20	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	175.02	
07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00		
<small>00-0001</small> Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024 EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	77.77	
<i>For Pourable Sealer Filled, Add</i>	39.13	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	19.58	
07 63 00 00-0025 EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	89.36	
<i>For Pourable Sealer Filled, Add</i>	88.10	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.17	
07 63 00 00-0026 EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	104.76	
<i>For Pourable Sealer Filled, Add</i>	156.54	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	78.09	
07 63 00 00-0027 EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	114.54	
<i>For Pourable Sealer Filled, Add</i>	195.67	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	98.15	
07 63 00 00-0028 EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	124.32	
<i>For Pourable Sealer Filled, Add</i>	234.80	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	117.42	
07 63 00 00-0029 SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	148.95	
<i>For Pourable Sealer Filled, Add</i>	352.20	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	175.02	
07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)		
Note: Includes 6" skirt base.		
07 63 00 00-0031 EA 1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	115.21	40.27
07 63 00 00-0032 EA 1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	115.21	40.27
07 63 00 00-0033 EA 2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	134.63	40.27
07 63 00 00-0034 EA 3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	145.73	40.27
07 63 00 00-0035 EA 4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	151.28	40.27
07 63 00 00-0036 EA 4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	154.05	40.27
07 63 00 00-0037 EA 6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	181.79	40.27
07 63 00 00-0038 EA 8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	194.28	40.27
07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)		
07 63 00 00-0040 EA 2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	98.55	26.03
07 63 00 00-0041 EA 3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	99.66	26.03
07 63 00 00-0042 EA 4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	103.68	26.03
07 63 00 00-0043 EA 6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	107.14	26.03
07 65 Flexible Flashing (07 60)		
07 65 16 Modified Bituminous Sheet Flashing (07 65)		
07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems (07 65 16)		
See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.		
07 65 16 00-0002 SF 60 Mil, Urethane Elastomer Liquid Applied Flashing.....	14.39	2.23
Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.		
07 65 19 Plastic Sheet Flashing (07 65)		
07 65 19 00-0001 Plastic Flashing And Trim (07 65 19)		
07 65 19 00-0002 Neoprene Flashing (07 65 19 00-0001)		
07 65 19 00-0003 60 Mil Neoprene Flashing (07 65 19 00-0002)		
07 65 19 00-0004 LF 6" Wide Strip, 60 Mil, Neoprene Flashing.....	9.90	3.16
07 65 19 00-0005 LF 12" Wide Strip, 60 Mil, Neoprene Flashing.....	13.15	3.40
07 65 19 00-0006 LF 18" Wide Strip, 60 Mil, Neoprene Flashing.....	16.75	3.75
07 65 19 00-0007 LF 24" Wide Strip, 60 Mil, Neoprene Flashing.....	20.56	4.22
07 65 33 Flexible Roof Boot (07 65)		

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 65 Flexible Flashing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 65 33 00-0001			Neoprene Roof Boot ^(07 65 33)		
07 65 33 00-0002	EA		2" Diameter Pipe, Neoprene Roof Boot	58.53	9.73
07 65 33 00-0003	EA		3" Diameter Pipe, Neoprene Roof Boot	70.17	10.90
07 65 33 00-0004	EA		4" Diameter Pipe, Neoprene Roof Boot	79.00	11.73

07 70 Roof and Wall Specialties and Accessories ⁽⁰⁷⁾**07 71 Roof Specialties ^(07 70)****07 71 13 Manufactured Copings ^(07 71)****07 71 13 00-0001 Galvanized Steel Copings ^(07 71 13)****07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized****Steel Cleats ^(07 71 13 00-0001)**

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	34.18	2.53
		For Up To 25 LF, Add	5.11	
		For >25 To 100 LF, Add	2.55	
		For >1,000 LF, Deduct	-0.42	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.07	2.74
		For Up To 25 LF, Add	5.44	
		For >25 To 100 LF, Add	2.72	
		For >1,000 LF, Deduct	-0.46	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	41.11	2.88
		For Up To 25 LF, Add	6.04	
		For >25 To 100 LF, Add	3.02	
		For >1,000 LF, Deduct	-0.48	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	47.72	3.16
		For Up To 25 LF, Add	6.88	
		For >25 To 100 LF, Add	3.44	
		For >1,000 LF, Deduct	-0.53	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	57.63	3.30
		For Up To 25 LF, Add	7.97	
		For >25 To 100 LF, Add	3.98	
		For >1,000 LF, Deduct	-0.55	

07 71 13 00-0008 Aluminum Copings ^(07 71 13)**07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats ^(07 71 13 00-0008)**

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats ^(07 71 13 00-0009)

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	27.19	2.53
		For Up To 25 LF, Add	4.41	
		For >25 To 100 LF, Add	2.20	
		For >1,000 LF, Deduct	-0.42	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.03	2.74
		For Up To 25 LF, Add	4.73	
		For >25 To 100 LF, Add	2.37	
		For >1,000 LF, Deduct	-0.46	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.81	2.88
		For Up To 25 LF, Add	5.31	
		For >25 To 100 LF, Add	2.65	
		For >1,000 LF, Deduct	-0.48	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	40.33	3.16
		For Up To 25 LF, Add	6.14	
		For >25 To 100 LF, Add	3.07	
		For >1,000 LF, Deduct	-0.53	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	50.05	3.30
		For Up To 25 LF, Add	7.21	
		For >25 To 100 LF, Add	3.60	
		For >1,000 LF, Deduct	-0.55	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats ^(07 71 13 00-0009)

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.49	2.53
		For Up To 25 LF, Add	4.64	
		For >25 To 100 LF, Add	2.32	
		For >1,000 LF, Deduct	-0.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0018 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.48	2.74
<i>For Up To 25 LF, Add</i>	4.98	
<i>For >25 To 100 LF, Add</i>	2.49	
<i>For >1,000 LF, Deduct</i>	-0.46	
07 71 13 00-0019 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.71	2.88
<i>For Up To 25 LF, Add</i>	5.60	
<i>For >25 To 100 LF, Add</i>	2.80	
<i>For >1,000 LF, Deduct</i>	-0.48	
07 71 13 00-0020 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	43.84	3.16
<i>For Up To 25 LF, Add</i>	6.49	
<i>For >25 To 100 LF, Add</i>	3.25	
<i>For >1,000 LF, Deduct</i>	-0.53	
07 71 13 00-0021 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	54.50	3.30
<i>For Up To 25 LF, Add</i>	7.65	
<i>For >25 To 100 LF, Add</i>	3.83	
<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.38	2.53
<i>For Up To 25 LF, Add</i>	4.83	
<i>For >25 To 100 LF, Add</i>	2.41	
<i>For >1,000 LF, Deduct</i>	-0.42	
07 71 13 00-0024 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.66	2.74
<i>For Up To 25 LF, Add</i>	5.19	
<i>For >25 To 100 LF, Add</i>	2.60	
<i>For >1,000 LF, Deduct</i>	-0.46	
07 71 13 00-0025 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	40.32	2.88
<i>For Up To 25 LF, Add</i>	5.96	
<i>For >25 To 100 LF, Add</i>	2.98	
<i>For >1,000 LF, Deduct</i>	-0.48	
07 71 13 00-0026 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	50.30	3.16
<i>For Up To 25 LF, Add</i>	7.14	
<i>For >25 To 100 LF, Add</i>	3.57	
<i>For >1,000 LF, Deduct</i>	-0.53	
07 71 13 00-0027 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	64.96	3.30
<i>For Up To 25 LF, Add</i>	8.70	
<i>For >25 To 100 LF, Add</i>	4.35	
<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
<small>Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	37.53	2.53
<i>For Up To 25 LF, Add</i>	5.44	
<i>For >25 To 100 LF, Add</i>	2.72	
<i>For >1,000 LF, Deduct</i>	-0.42	
07 71 13 00-0031 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.04	2.74
<i>For Up To 25 LF, Add</i>	5.83	
<i>For >25 To 100 LF, Add</i>	2.92	
<i>For >1,000 LF, Deduct</i>	-0.46	
07 71 13 00-0032 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.86	2.88
<i>For Up To 25 LF, Add</i>	6.61	
<i>For >25 To 100 LF, Add</i>	3.31	
<i>For >1,000 LF, Deduct</i>	-0.48	
07 71 13 00-0033 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	56.11	3.16
<i>For Up To 25 LF, Add</i>	7.72	
<i>For >25 To 100 LF, Add</i>	3.86	
<i>For >1,000 LF, Deduct</i>	-0.53	
07 71 13 00-0034 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	70.09	3.30
<i>For Up To 25 LF, Add</i>	9.21	
<i>For >25 To 100 LF, Add</i>	4.61	
<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.86	2.53
<i>For Up To 25 LF, Add</i>	5.77	
<i>For >25 To 100 LF, Add</i>	2.89	
<i>For >1,000 LF, Deduct</i>	-0.42	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.58	2.74
			For Up To 25 LF, Add	6.19	
			For >25 To 100 LF, Add	3.09	
			For >1,000 LF, Deduct	-0.46	
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	51.07	2.88
			For Up To 25 LF, Add	7.03	
			For >25 To 100 LF, Add	3.52	
			For >1,000 LF, Deduct	-0.48	
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	61.19	3.16
			For Up To 25 LF, Add	8.23	
			For >25 To 100 LF, Add	4.11	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	76.55	3.30
			For Up To 25 LF, Add	9.86	
			For >25 To 100 LF, Add	4.93	
			For >1,000 LF, Deduct	-0.55	
07 71 13 00-0041			0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.60	2.53
			For Up To 25 LF, Add	6.05	
			For >25 To 100 LF, Add	3.02	
			For >1,000 LF, Deduct	-0.42	
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.75	2.74
			For Up To 25 LF, Add	6.50	
			For >25 To 100 LF, Add	3.25	
			For >1,000 LF, Deduct	-0.46	
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	56.29	2.88
			For Up To 25 LF, Add	7.55	
			For >25 To 100 LF, Add	3.78	
			For >1,000 LF, Deduct	-0.48	
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	70.56	3.16
			For Up To 25 LF, Add	9.16	
			For >25 To 100 LF, Add	4.58	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	91.71	3.30
			For Up To 25 LF, Add	11.38	
			For >25 To 100 LF, Add	5.69	
			For >1,000 LF, Deduct	-0.55	
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048			0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	39.53	2.53
			For Up To 25 LF, Add	5.64	
			For >25 To 100 LF, Add	2.82	
			For >1,000 LF, Deduct	-0.42	
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.17	2.74
			For Up To 25 LF, Add	6.05	
			For >25 To 100 LF, Add	3.02	
			For >1,000 LF, Deduct	-0.46	
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.38	2.88
			For Up To 25 LF, Add	6.86	
			For >25 To 100 LF, Add	3.43	
			For >1,000 LF, Deduct	-0.48	
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	59.16	3.16
			For Up To 25 LF, Add	8.02	
			For >25 To 100 LF, Add	4.01	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	73.96	3.30
			For Up To 25 LF, Add	9.60	
			For >25 To 100 LF, Add	4.80	
			For >1,000 LF, Deduct	-0.55	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

07 71 13 00-0054	0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>	
07 71 13 00-0055	LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.06
	For Up To 25 LF, Add	5.99
	For >25 To 100 LF, Add	3.00
	For >1,000 LF, Deduct	-0.42
07 71 13 00-0056	LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.93
	For Up To 25 LF, Add	6.42
	For >25 To 100 LF, Add	3.21
	For >1,000 LF, Deduct	-0.46
07 71 13 00-0057	LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	53.84
	For Up To 25 LF, Add	7.31
	For >25 To 100 LF, Add	3.65
	For >1,000 LF, Deduct	-0.48
07 71 13 00-0058	LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	64.54
	For Up To 25 LF, Add	8.56
	For >25 To 100 LF, Add	4.28
	For >1,000 LF, Deduct	-0.53
07 71 13 00-0059	LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	80.81
	For Up To 25 LF, Add	10.29
	For >25 To 100 LF, Add	5.14
	For >1,000 LF, Deduct	-0.55

07 71 13 00-0060	0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>	
07 71 13 00-0061	LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.96
	For Up To 25 LF, Add	6.28
	For >25 To 100 LF, Add	3.14
	For >1,000 LF, Deduct	-0.42
07 71 13 00-0062	LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.28
	For Up To 25 LF, Add	6.76
	For >25 To 100 LF, Add	3.38
	For >1,000 LF, Deduct	-0.46
07 71 13 00-0063	LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	59.38
	For Up To 25 LF, Add	7.86
	For >25 To 100 LF, Add	3.93
	For >1,000 LF, Deduct	-0.48
07 71 13 00-0064	LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	74.48
	For Up To 25 LF, Add	9.56
	For >25 To 100 LF, Add	4.78
	For >1,000 LF, Deduct	-0.53
07 71 13 00-0065	LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	96.88
	For Up To 25 LF, Add	11.89
	For >25 To 100 LF, Add	5.95
	For >1,000 LF, Deduct	-0.55

07 71 13 00-0066	Removal And Reinstallation Of Metal Coping <small>(07 71 13)</small>	
07 71 13 00-0067	LF Removal And Reinstallation Of Metal Coping	10.67
	For Up To 25 LF, Add	5.34
	For >25 To 100 LF, Add	2.67
	For >1,000 LF, Deduct	-1.07

07 71 19 Manufactured Gravel Stops and Fasciae (07 71)

07 71 19 00-0001	Gravel Stop <small>(07 71 19)</small>	
07 71 19 00-0002	Aluminum Gravel Stop <small>(07 71 19 00-0001)</small>	
07 71 19 00-0003	Aluminum Gravel Stop <small>(07 71 19 00-0002)</small>	
07 71 19 00-0004	KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>	
07 71 19 00-0005	0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>	
07 71 19 00-0006	LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	38.85
	For Up To 25 LF, Add	6.23
	For >25 To 100 LF, Add	3.11
	For >1,000 LF, Deduct	-0.59
07 71 19 00-0007	LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	40.18
	For Up To 25 LF, Add	6.79
	For >25 To 100 LF, Add	3.39
	For >1,000 LF, Deduct	-0.69

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0008 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	41.54	2.58
For Up To 25 LF, Add	7.29	
For >25 To 100 LF, Add	3.65	
For >1,000 LF, Deduct	-0.79	
07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	41.28	2.00
For Up To 25 LF, Add	6.47	
For >25 To 100 LF, Add	3.24	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0011 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	42.71	2.35
For Up To 25 LF, Add	7.04	
For >25 To 100 LF, Add	3.52	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0012 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	44.21	2.58
For Up To 25 LF, Add	7.56	
For >25 To 100 LF, Add	3.78	
For >1,000 LF, Deduct	-0.79	
07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	44.44	2.00
For Up To 25 LF, Add	6.79	
For >25 To 100 LF, Add	3.39	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0015 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	45.74	2.35
For Up To 25 LF, Add	7.34	
For >25 To 100 LF, Add	3.67	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0016 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	47.58	2.58
For Up To 25 LF, Add	7.90	
For >25 To 100 LF, Add	3.95	
For >1,000 LF, Deduct	-0.79	
07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.59	2.00
For Up To 25 LF, Add	7.00	
For >25 To 100 LF, Add	3.50	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0019 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	47.97	2.35
For Up To 25 LF, Add	7.57	
For >25 To 100 LF, Add	3.78	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0020 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	49.93	2.58
For Up To 25 LF, Add	8.13	
For >25 To 100 LF, Add	4.07	
For >1,000 LF, Deduct	-0.79	
07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	25.39	2.00
For Up To 25 LF, Add	4.88	
For >25 To 100 LF, Add	2.44	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0024 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	27.39	2.35
For Up To 25 LF, Add	5.51	
For >25 To 100 LF, Add	2.75	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0025 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	29.40	2.58
For Up To 25 LF, Add	6.08	
For >25 To 100 LF, Add	3.04	
For >1,000 LF, Deduct	-0.79	
07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0027 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	27.41	2.00
For Up To 25 LF, Add	5.09	
For >25 To 100 LF, Add	2.54	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0028 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	29.14	2.35
For Up To 25 LF, Add	5.68	
For >25 To 100 LF, Add	2.84	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0029 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	30.74	2.58
For Up To 25 LF, Add	6.21	
For >25 To 100 LF, Add	3.11	
For >1,000 LF, Deduct	-0.79	
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	29.43 5.29 2.64 -0.59	2.00
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	31.16 5.88 2.94 -0.69	2.35
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	32.93 6.43 3.22 -0.79	2.58
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	31.62 5.51 2.75 -0.59	2.00
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	33.18 6.09 3.04 -0.69	2.35
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	34.56 6.60 3.30 -0.79	2.58
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	46.32 6.98 3.49 -0.59	2.00
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	47.97 7.57 3.78 -0.69	2.35
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	49.44 8.08 4.04 -0.79	2.58
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	49.24 7.27 3.63 -0.59	2.00
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	51.01 7.87 3.93 -0.69	2.35
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	52.63 8.40 4.20 -0.79	2.58
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	53.04 7.65 3.82 -0.59	2.00
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	54.65 8.23 4.12 -0.69	2.35
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	56.00 8.74 4.37 -0.79	2.58
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	55.61 7.91 3.95 -0.59	2.00

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.32	2.35
For Up To 25 LF, Add	8.50	
For >25 To 100 LF, Add	4.25	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.77	2.58
For Up To 25 LF, Add	9.02	
For >25 To 100 LF, Add	4.51	
For >1,000 LF, Deduct	-0.79	
07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	43.82	2.11
For Up To 25 LF, Add	6.96	
For >25 To 100 LF, Add	3.48	
For >1,000 LF, Deduct	-0.65	
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	46.60	2.52
For Up To 25 LF, Add	7.71	
For >25 To 100 LF, Add	3.85	
For >1,000 LF, Deduct	-0.76	
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.77	2.87
For Up To 25 LF, Add	8.45	
For >25 To 100 LF, Add	4.22	
For >1,000 LF, Deduct	-0.87	
07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	46.25	2.11
For Up To 25 LF, Add	7.21	
For >25 To 100 LF, Add	3.60	
For >1,000 LF, Deduct	-0.65	
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.13	2.52
For Up To 25 LF, Add	7.96	
For >25 To 100 LF, Add	3.98	
For >1,000 LF, Deduct	-0.76	
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.44	2.87
For Up To 25 LF, Add	8.71	
For >25 To 100 LF, Add	4.36	
For >1,000 LF, Deduct	-0.87	
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.41	2.11
For Up To 25 LF, Add	7.52	
For >25 To 100 LF, Add	3.76	
For >1,000 LF, Deduct	-0.65	
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.16	2.52
For Up To 25 LF, Add	8.26	
For >25 To 100 LF, Add	4.13	
For >1,000 LF, Deduct	-0.76	
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.81	2.87
For Up To 25 LF, Add	9.05	
For >25 To 100 LF, Add	4.52	
For >1,000 LF, Deduct	-0.87	
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.56	2.11
For Up To 25 LF, Add	7.74	
For >25 To 100 LF, Add	3.87	
For >1,000 LF, Deduct	-0.65	
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.39	2.52
For Up To 25 LF, Add	8.49	
For >25 To 100 LF, Add	4.24	
For >1,000 LF, Deduct	-0.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.16	2.87
<i>For Up To 25 LF, Add</i>	9.28	
<i>For >25 To 100 LF, Add</i>	4.64	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	32.22	2.11
<i>For Up To 25 LF, Add</i>	5.80	
<i>For >25 To 100 LF, Add</i>	2.90	
<i>For >1,000 LF, Deduct</i>	-0.65	
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	34.50	2.52
<i>For Up To 25 LF, Add</i>	6.50	
<i>For >25 To 100 LF, Add</i>	3.25	
<i>For >1,000 LF, Deduct</i>	-0.76	
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	37.12	2.87
<i>For Up To 25 LF, Add</i>	7.18	
<i>For >25 To 100 LF, Add</i>	3.59	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	33.90	2.11
<i>For Up To 25 LF, Add</i>	5.97	
<i>For >25 To 100 LF, Add</i>	2.99	
<i>For >1,000 LF, Deduct</i>	-0.65	
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	36.25	2.52
<i>For Up To 25 LF, Add</i>	6.67	
<i>For >25 To 100 LF, Add</i>	3.34	
<i>For >1,000 LF, Deduct</i>	-0.76	
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	38.97	2.87
<i>For Up To 25 LF, Add</i>	7.37	
<i>For >25 To 100 LF, Add</i>	3.68	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	36.08	2.11
<i>For Up To 25 LF, Add</i>	6.19	
<i>For >25 To 100 LF, Add</i>	3.09	
<i>For >1,000 LF, Deduct</i>	-0.65	
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	38.34	2.52
<i>For Up To 25 LF, Add</i>	6.88	
<i>For >25 To 100 LF, Add</i>	3.44	
<i>For >1,000 LF, Deduct</i>	-0.76	
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	41.16	2.87
<i>For Up To 25 LF, Add</i>	7.58	
<i>For >25 To 100 LF, Add</i>	3.79	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	37.56	2.11
<i>For Up To 25 LF, Add</i>	6.34	
<i>For >25 To 100 LF, Add</i>	3.17	
<i>For >1,000 LF, Deduct</i>	-0.65	
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	39.88	2.52
<i>For Up To 25 LF, Add</i>	7.04	
<i>For >25 To 100 LF, Add</i>	3.52	
<i>For >1,000 LF, Deduct</i>	-0.76	
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	42.78	2.87
<i>For Up To 25 LF, Add</i>	7.75	
<i>For >25 To 100 LF, Add</i>	3.87	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	51.29	2.11
<i>For Up To 25 LF, Add</i>	7.71	
<i>For >25 To 100 LF, Add</i>	3.85	
<i>For >1,000 LF, Deduct</i>	-0.65	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	54.40	2.52
For Up To 25 LF, Add	8.49	
For >25 To 100 LF, Add	4.24	
For >1,000 LF, Deduct	-0.76	
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	57.67	2.87
For Up To 25 LF, Add	9.24	
For >25 To 100 LF, Add	4.62	
For >1,000 LF, Deduct	-0.87	
07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	54.20	2.11
For Up To 25 LF, Add	8.00	
For >25 To 100 LF, Add	4.00	
For >1,000 LF, Deduct	-0.65	
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	57.44	2.52
For Up To 25 LF, Add	8.79	
For >25 To 100 LF, Add	4.40	
For >1,000 LF, Deduct	-0.76	
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	60.86	2.87
For Up To 25 LF, Add	9.55	
For >25 To 100 LF, Add	4.78	
For >1,000 LF, Deduct	-0.87	
07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.00	2.11
For Up To 25 LF, Add	8.38	
For >25 To 100 LF, Add	4.19	
For >1,000 LF, Deduct	-0.65	
07 71 19 00-0101 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	61.07	2.52
For Up To 25 LF, Add	9.16	
For >25 To 100 LF, Add	4.58	
For >1,000 LF, Deduct	-0.76	
07 71 19 00-0102 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	64.22	2.87
For Up To 25 LF, Add	9.89	
For >25 To 100 LF, Add	4.95	
For >1,000 LF, Deduct	-0.87	
07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	60.58	2.11
For Up To 25 LF, Add	8.64	
For >25 To 100 LF, Add	4.32	
For >1,000 LF, Deduct	-0.65	
07 71 19 00-0105 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	63.74	2.52
For Up To 25 LF, Add	9.42	
For >25 To 100 LF, Add	4.71	
For >1,000 LF, Deduct	-0.76	
07 71 19 00-0106 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	67.00	2.87
For Up To 25 LF, Add	10.17	
For >25 To 100 LF, Add	5.08	
For >1,000 LF, Deduct	-0.87	
07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	37.25	2.00
For Up To 25 LF, Add	6.07	
For >25 To 100 LF, Add	3.03	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0111 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	48.93	2.35
For Up To 25 LF, Add	7.66	
For >25 To 100 LF, Add	3.83	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0112 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	72.52	2.58
For Up To 25 LF, Add	10.39	
For >25 To 100 LF, Add	5.20	
For >1,000 LF, Deduct	-0.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0113 24 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0114 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	46.35	2.00
<i>For Up To 25 LF, Add</i>	6.98	
<i>For >25 To 100 LF, Add</i>	3.49	
<i>For >1,000 LF, Deduct</i>	-0.59	
07 71 19 00-0115 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	61.07	2.35
<i>For Up To 25 LF, Add</i>	8.88	
<i>For >25 To 100 LF, Add</i>	4.44	
<i>For >1,000 LF, Deduct</i>	-0.69	
07 71 19 00-0116 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	90.73	2.58
<i>For Up To 25 LF, Add</i>	12.21	
<i>For >25 To 100 LF, Add</i>	6.11	
<i>For >1,000 LF, Deduct</i>	-0.79	
07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0118 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	56.03	2.00
<i>For Up To 25 LF, Add</i>	7.95	
<i>For >25 To 100 LF, Add</i>	3.97	
<i>For >1,000 LF, Deduct</i>	-0.59	
07 71 19 00-0119 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	73.97	2.35
<i>For Up To 25 LF, Add</i>	10.17	
<i>For >25 To 100 LF, Add</i>	5.08	
<i>For >1,000 LF, Deduct</i>	-0.69	
07 71 19 00-0120 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	110.08	2.58
<i>For Up To 25 LF, Add</i>	14.15	
<i>For >25 To 100 LF, Add</i>	7.07	
<i>For >1,000 LF, Deduct</i>	-0.79	
07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0107)</small>		
<small>Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0123 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	44.00	2.11
<i>For Up To 25 LF, Add</i>	6.98	
<i>For >25 To 100 LF, Add</i>	3.49	
<i>For >1,000 LF, Deduct</i>	-0.65	
07 71 19 00-0124 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	57.69	2.52
<i>For Up To 25 LF, Add</i>	8.82	
<i>For >25 To 100 LF, Add</i>	4.41	
<i>For >1,000 LF, Deduct</i>	-0.76	
07 71 19 00-0125 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	83.78	2.87
<i>For Up To 25 LF, Add</i>	11.85	
<i>For >25 To 100 LF, Add</i>	5.92	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0127 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	53.11	2.11
<i>For Up To 25 LF, Add</i>	7.89	
<i>For >25 To 100 LF, Add</i>	3.95	
<i>For >1,000 LF, Deduct</i>	-0.65	
07 71 19 00-0128 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	69.83	2.52
<i>For Up To 25 LF, Add</i>	10.03	
<i>For >25 To 100 LF, Add</i>	5.02	
<i>For >1,000 LF, Deduct</i>	-0.76	
07 71 19 00-0129 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	101.98	2.87
<i>For Up To 25 LF, Add</i>	13.67	
<i>For >25 To 100 LF, Add</i>	6.83	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	62.78	2.11
<i>For Up To 25 LF, Add</i>	8.86	
<i>For >25 To 100 LF, Add</i>	4.43	
<i>For >1,000 LF, Deduct</i>	-0.65	
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	82.73	2.52
<i>For Up To 25 LF, Add</i>	11.32	
<i>For >25 To 100 LF, Add</i>	5.66	
<i>For >1,000 LF, Deduct</i>	-0.76	
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	121.33	2.87
<i>For Up To 25 LF, Add</i>	15.60	
<i>For >25 To 100 LF, Add</i>	7.80	
<i>For >1,000 LF, Deduct</i>	-0.87	
07 71 19 00-0134 Galvanized Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0135 Galvanized Steel Gravel Stop <small>(07 71 19 00-0134)</small>		
07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop <small>(07 71 19 00-0135)</small>		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0137			24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	35.65	2.00
			For Up To 25 LF, Add	5.97	
			For >25 To 100 LF, Add	2.95	
			For >1,000 LF, Deduct	-0.59	
07 71 19 00-0139	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	36.92	2.35
			For Up To 25 LF, Add	6.46	
			For >25 To 100 LF, Add	3.23	
			For >1,000 LF, Deduct	-0.69	
07 71 19 00-0140	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	38.44	2.58
			For Up To 25 LF, Add	6.98	
			For >25 To 100 LF, Add	3.49	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0141			Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142			KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143			24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	40.76	2.11
			For Up To 25 LF, Add	6.66	
			For >25 To 100 LF, Add	3.33	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0145	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	43.53	2.52
			For Up To 25 LF, Add	7.40	
			For >25 To 100 LF, Add	3.70	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0146	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	46.91	2.87
			For Up To 25 LF, Add	8.16	
			For >25 To 100 LF, Add	4.08	
			For >1,000 LF, Deduct	-0.87	
07 71 19 00-0147			Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148			Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149			20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	59.57	2.00
			For Up To 25 LF, Add	8.30	
			For >25 To 100 LF, Add	4.15	
			For >1,000 LF, Deduct	-0.59	
07 71 19 00-0151	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	68.22	2.35
			For Up To 25 LF, Add	9.59	
			For >25 To 100 LF, Add	4.80	
			For >1,000 LF, Deduct	-0.69	
07 71 19 00-0152	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	78.80	2.58
			For Up To 25 LF, Add	11.02	
			For >25 To 100 LF, Add	5.51	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0153			16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	72.31	2.00
			For Up To 25 LF, Add	9.58	
			For >25 To 100 LF, Add	4.79	
			For >1,000 LF, Deduct	-0.59	
07 71 19 00-0155	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	83.79	2.35
			For Up To 25 LF, Add	11.15	
			For >25 To 100 LF, Add	5.57	
			For >1,000 LF, Deduct	-0.69	
07 71 19 00-0156	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	95.79	2.58
			For Up To 25 LF, Add	12.72	
			For >25 To 100 LF, Add	6.36	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0157			Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158			20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	62.00	2.11
			For Up To 25 LF, Add	8.78	
			For >25 To 100 LF, Add	4.39	
			For >1,000 LF, Deduct	-0.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0160 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	71.33 10.18 5.09 -0.76	2.52
07 71 19 00-0161 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	82.74 11.74 5.87 -0.87	2.87
07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0157)</small>		
07 71 19 00-0163 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	74.74 10.05 5.03 -0.65	2.11
07 71 19 00-0164 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	86.90 11.74 5.87 -0.76	2.52
07 71 19 00-0165 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	99.73 13.44 6.72 -0.87	2.87
07 71 19 00-0166 Fascia <small>(07 71 19)</small>		
07 71 19 00-0167 Snap-On Cover Fascia <small>(07 71 19 00-0166)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0168)</small>		
07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0169)</small>		
07 71 19 00-0171 LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	43.56 6.70 3.35 -0.59	2.93
07 71 19 00-0172 LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	48.99 7.34 3.67 -0.61	3.05
07 71 19 00-0173 LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	52.48 7.78 3.89 -0.63	3.16
07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0169)</small>		
07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0176 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	302.78 33.56 16.78 -0.82	4.11
07 71 19 00-0177 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	323.39 35.62 17.81 -0.82	4.11
07 71 19 00-0178 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	336.33 36.91 18.46 -0.82	4.11
07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0180 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	246.66 27.95 13.97 -0.82	4.11
07 71 19 00-0181 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	257.06 28.99 14.49 -0.82	4.11

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	263.40	4.11
For Up To 25 LF, Add	29.62	
For >25 To 100 LF, Add	14.81	
For >1,000 LF, Deduct	-0.82	
07 71 19 00-0183 Aluminum Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0186 LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	24.07	2.93
For Up To 25 LF, Add	4.75	
For >25 To 100 LF, Add	2.38	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0187 LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.17	3.05
For Up To 25 LF, Add	5.15	
For >25 To 100 LF, Add	2.58	
For >1,000 LF, Deduct	-0.61	
07 71 19 00-0188 LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.83	3.16
For Up To 25 LF, Add	5.42	
For >25 To 100 LF, Add	2.71	
For >1,000 LF, Deduct	-0.63	
07 71 19 00-0189 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0190 LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.26	2.93
For Up To 25 LF, Add	4.87	
For >25 To 100 LF, Add	2.44	
For >1,000 LF, Deduct	-0.59	
07 71 19 00-0191 LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.70	3.05
For Up To 25 LF, Add	5.31	
For >25 To 100 LF, Add	2.65	
For >1,000 LF, Deduct	-0.61	
07 71 19 00-0192 LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.55	3.16
For Up To 25 LF, Add	5.59	
For >25 To 100 LF, Add	2.80	
For >1,000 LF, Deduct	-0.63	
07 71 19 00-0193 Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0184)		
07 71 19 00-0194 Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	153.08	4.11
For Up To 25 LF, Add	18.59	
For >25 To 100 LF, Add	9.29	
For >1,000 LF, Deduct	-0.82	
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	165.95	4.11
For Up To 25 LF, Add	19.88	
For >25 To 100 LF, Add	9.94	
For >1,000 LF, Deduct	-0.82	
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	171.58	4.11
For Up To 25 LF, Add	20.44	
For >25 To 100 LF, Add	10.22	
For >1,000 LF, Deduct	-0.82	
07 71 19 00-0198 Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	121.36	4.11
For Up To 25 LF, Add	15.42	
For >25 To 100 LF, Add	7.71	
For >1,000 LF, Deduct	-0.82	
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	127.77	4.11
For Up To 25 LF, Add	16.06	
For >25 To 100 LF, Add	8.03	
For >1,000 LF, Deduct	-0.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	130.58	4.11
<i>For Up To 25 LF, Add</i>	16.34	
<i>For >25 To 100 LF, Add</i>	8.17	
<i>For >1,000 LF, Deduct</i>	-0.82	
07 71 19 00-0202 Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0203 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	27.71	2.93
<i>For Up To 25 LF, Add</i>	5.12	
<i>For >25 To 100 LF, Add</i>	2.56	
<i>For >1,000 LF, Deduct</i>	-0.59	
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	31.38	3.05
<i>For Up To 25 LF, Add</i>	5.57	
<i>For >25 To 100 LF, Add</i>	2.79	
<i>For >1,000 LF, Deduct</i>	-0.61	
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	33.33	3.16
<i>For Up To 25 LF, Add</i>	5.87	
<i>For >25 To 100 LF, Add</i>	2.93	
<i>For >1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	29.14	2.93
<i>For Up To 25 LF, Add</i>	5.26	
<i>For >25 To 100 LF, Add</i>	2.63	
<i>For >1,000 LF, Deduct</i>	-0.59	
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	33.22	3.05
<i>For Up To 25 LF, Add</i>	5.76	
<i>For >25 To 100 LF, Add</i>	2.88	
<i>For >1,000 LF, Deduct</i>	-0.61	
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	35.39	3.16
<i>For Up To 25 LF, Add</i>	6.08	
<i>For >25 To 100 LF, Add</i>	3.04	
<i>For >1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	189.31	4.11
<i>For Up To 25 LF, Add</i>	22.21	
<i>For >25 To 100 LF, Add</i>	11.11	
<i>For >1,000 LF, Deduct</i>	-0.82	
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	205.39	4.11
<i>For Up To 25 LF, Add</i>	23.82	
<i>For >25 To 100 LF, Add</i>	11.91	
<i>For >1,000 LF, Deduct</i>	-0.82	
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	212.42	4.11
<i>For Up To 25 LF, Add</i>	24.52	
<i>For >25 To 100 LF, Add</i>	12.26	
<i>For >1,000 LF, Deduct</i>	-0.82	
07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	149.65	4.11
<i>For Up To 25 LF, Add</i>	18.25	
<i>For >25 To 100 LF, Add</i>	9.12	
<i>For >1,000 LF, Deduct</i>	-0.82	
07 71 19 00-0218 EA Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	157.67	4.11
<i>For Up To 25 LF, Add</i>	19.05	
<i>For >25 To 100 LF, Add</i>	9.52	
<i>For >1,000 LF, Deduct</i>	-0.82	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0219 EA Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	161.17	4.11
For Up To 25 LF, Add	19.40	
For >25 To 100 LF, Add	9.70	
For >1,000 LF, Deduct	-0.82	
07 71 23 Manufactured Gutters and Downspouts (07 71)		
Note: Includes all necessary support straps.		
07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0004 LF 5", 0.027" Thick, K-Style Aluminum Gutter	12.39	5.68
For Up To 100', Add	2.64	
For >100' To 250', Add	1.09	
For >1,000', Deduct	-0.94	
For Kynar 500® Finish, Add	1.36	
07 71 23 00-0005 LF 6", 0.027" Thick, K-Style Aluminum Gutter	13.69	5.99
For Up To 100', Add	2.84	
For >100' To 250', Add	1.18	
For >1,000', Deduct	-0.98	
For Kynar 500® Finish, Add	1.74	
07 71 23 00-0006 LF 5", 0.032" Thick, K-Style Aluminum Gutter	12.83	5.68
For Up To 100', Add	2.69	
For >100' To 250', Add	1.11	
For >1,000', Deduct	-0.94	
For Kynar 500® Finish, Add	1.56	
07 71 23 00-0007 LF 6", 0.032" Thick, K-Style Aluminum Gutter	14.25	5.99
For Up To 100', Add	2.90	
For >100' To 250', Add	1.20	
For >1,000', Deduct	-0.98	
For Kynar 500® Finish, Add	1.99	
07 71 23 00-0008 LF 7", 0.032" Thick, K-Style Aluminum Gutter	24.86	6.29
For Up To 100', Add	4.07	
For >100' To 250', Add	1.77	
For >1,000', Deduct	-1.06	
For Kynar 500® Finish, Add	6.42	
07 71 23 00-0009 LF 8", 0.032" Thick, K-Style Aluminum Gutter	27.27	7.07
For Up To 100', Add	4.48	
For >100' To 250', Add	1.95	
For >1,000', Deduct	-1.17	
For Kynar 500® Finish, Add	7.02	
07 71 23 00-0010 LF 8", 0.040" Thick, K-Style Aluminum Gutter	30.28	7.07
For Up To 100', Add	4.78	
For >100' To 250', Add	2.10	
For >1,000', Deduct	-1.17	
For Kynar 500® Finish, Add	8.37	
07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012 LF 5", 0.027" Thick, Half Round Aluminum Gutter	21.11	5.68
For Up To 100', Add	3.52	
For >100' To 250', Add	1.52	
For >1,000', Deduct	-0.94	
For Kynar 500® Finish, Add	5.28	
07 71 23 00-0013 LF 6", 0.032" Thick, Half Round Aluminum Gutter	25.12	5.99
For Up To 100', Add	3.99	
For >100' To 250', Add	1.75	
For >1,000', Deduct	-0.98	
For Kynar 500® Finish, Add	6.88	
07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015 LF 6", 0.027" Thick, Box Style Aluminum Gutter	22.57	7.07
For Up To 100', Add	4.01	
For >100' To 250', Add	1.71	
For >1,000', Deduct	-1.17	
For Kynar 500® Finish, Add	4.91	
07 71 23 00-0016 LF 6", 0.032" Thick, Box Style Aluminum Gutter	22.62	7.07
For Up To 100', Add	4.01	
For >100' To 250', Add	1.71	
For >1,000', Deduct	-1.17	
For Kynar 500® Finish, Add	4.93	
07 71 23 00-0017 LF 7", 0.032" Thick, Box Style Aluminum Gutter	26.09	7.53
For Up To 100', Add	4.48	
For >100' To 250', Add	1.93	
For >1,000', Deduct	-1.24	
For Kynar 500® Finish, Add	6.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0018 LF 8", 0.032" Thick, Box Style Aluminum Gutter..... <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	29.28 4.91 2.12 -1.32 7.23	7.99
07 71 23 00-0019 Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020 K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021 EA 5", K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.13 0.47	
07 71 23 00-0022 EA 6", K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.98 0.86	
07 71 23 00-0023 EA 7", K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	10.18 3.20	
07 71 23 00-0024 EA 8", K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.77 3.91	
07 71 23 00-0025 Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026 EA 5", Half Round Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	6.31 1.45	
07 71 23 00-0027 EA 6", Half Round Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	9.47 2.88	
07 71 23 00-0028 Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029 EA 6", Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.05 3.59	
07 71 23 00-0030 EA 7", Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.96 4.00	
07 71 23 00-0031 EA 8", Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	13.95 4.89	
07 71 23 00-0032 Aluminum Gutter Miters (07 71 23 00-0001) Note: Inside or outside miters.		
07 71 23 00-0033 K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034 EA 5", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	23.82 3.74	
07 71 23 00-0035 EA 6", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	30.97 6.47	
07 71 23 00-0036 EA 7", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	86.88 31.15	
07 71 23 00-0037 EA 8", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	94.25 33.91	
07 71 23 00-0038 Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039 EA 5", Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	39.07 10.60	
07 71 23 00-0040 EA 6", Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	59.98 19.53	
07 71 23 00-0041 Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042 EA 6", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	70.83 24.41	
07 71 23 00-0043 EA 7", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	104.19 38.94	
07 71 23 00-0044 EA 8", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	113.09 42.39	
07 71 23 00-0045 Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	17.20 4.14 1.29 2.67 3.86	3.84
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	24.95 7.63 2.37 4.92 7.12	3.84
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0050	LF		3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	8.13	3.69
			<i>For Up To 100', Add</i>	1.41	
			<i>For >100 To 250', Add</i>	0.61	
			<i>For >1,000', Deduct</i>	-0.40	
			<i>For Kynar 500® Finish, Add</i>	1.86	
			<i>For 0.024" Thick, Add</i>	0.58	
			<i>For 0.027" Thick, Add</i>	1.20	
			<i>For 0.031" Thick, Add</i>	1.74	
07 71 23 00-0051	LF		4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	9.10	3.69
			<i>For Up To 100', Add</i>	1.51	
			<i>For >100 To 250', Add</i>	0.65	
			<i>For >1,000', Deduct</i>	-0.40	
			<i>For Kynar 500® Finish, Add</i>	2.30	
			<i>For 0.024" Thick, Add</i>	0.72	
			<i>For 0.027" Thick, Add</i>	1.48	
			<i>For 0.031" Thick, Add</i>	2.15	
07 71 23 00-0052			Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053	LF		2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	6.11	3.69
			<i>For Up To 100', Add</i>	1.21	
			<i>For >100 To 250', Add</i>	0.51	
			<i>For >1,000', Deduct</i>	-0.40	
			<i>For Kynar 500® Finish, Add</i>	0.95	
			<i>For 0.024" Thick, Add</i>	0.30	
			<i>For 0.027" Thick, Add</i>	0.61	
			<i>For 0.031" Thick, Add</i>	0.89	
07 71 23 00-0054	LF		3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	7.35	3.69
			<i>For Up To 100', Add</i>	1.33	
			<i>For >100 To 250', Add</i>	0.57	
			<i>For >1,000', Deduct</i>	-0.40	
			<i>For Kynar 500® Finish, Add</i>	1.51	
			<i>For 0.024" Thick, Add</i>	0.47	
			<i>For 0.027" Thick, Add</i>	0.97	
			<i>For 0.031" Thick, Add</i>	1.41	
07 71 23 00-0055	LF		4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	12.55	3.69
			<i>For Up To 100', Add</i>	1.85	
			<i>For >100 To 250', Add</i>	0.83	
			<i>For >1,000', Deduct</i>	-0.40	
			<i>For Kynar 500® Finish, Add</i>	3.85	
			<i>For 0.024" Thick, Add</i>	1.20	
			<i>For 0.027" Thick, Add</i>	2.48	
			<i>For 0.031" Thick, Add</i>	3.60	
07 71 23 00-0056			Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057	EA		Thru-Wall Aluminum Scupper Outlet.....	257.74	26.37
			<i>For Kynar 500® Finish, Add</i>	76.41	
07 71 23 00-0058	EA		Aluminum Leader/Conductor Head.....	238.92	29.31
			<i>For Kynar 500® Finish, Add</i>	81.14	
07 71 23 00-0059			Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060			Copper Gutters (07 71 23 00-0059)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061			K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062	LF		4", 16 Ounce, K-Style Copper Gutter.....	20.58	5.38
			<i>For Up To 100', Add</i>	3.39	
			<i>For >100' To 250', Add</i>	1.47	
			<i>For >1,000', Deduct</i>	-0.89	
07 71 23 00-0063	LF		5", 16 Ounce, K-Style Copper Gutter.....	28.32	5.68
			<i>For Up To 100', Add</i>	4.24	
			<i>For >100' To 250', Add</i>	1.88	
			<i>For >1,000', Deduct</i>	-0.94	
07 71 23 00-0064	LF		6", 16 Ounce, K-Style Copper Gutter.....	33.44	5.99
			<i>For Up To 100', Add</i>	4.82	
			<i>For >100' To 250', Add</i>	2.16	
			<i>For >1,000', Deduct</i>	-0.98	
07 71 23 00-0065	LF		5", 20 Ounce, K-Style Copper Gutter.....	35.14	5.68
			<i>For Up To 100', Add</i>	4.92	
			<i>For >100' To 250', Add</i>	2.23	
			<i>For >1,000', Deduct</i>	-0.94	
07 71 23 00-0066	LF		6", 20 Ounce, K-Style Copper Gutter.....	43.09	5.99
			<i>For Up To 100', Add</i>	5.78	
			<i>For >100' To 250', Add</i>	2.65	
			<i>For >1,000', Deduct</i>	-0.98	
07 71 23 00-0067	LF		7", 20 Ounce, K-Style Copper Gutter.....	50.06	6.29
			<i>For Up To 100', Add</i>	6.59	
			<i>For >100' To 250', Add</i>	3.03	
			<i>For >1,000', Deduct</i>	-1.06	
07 71 23 00-0068	LF		8", 20 Ounce, K-Style Copper Gutter.....	55.63	7.07
			<i>For Up To 100', Add</i>	7.31	
			<i>For >100' To 250', Add</i>	3.37	
			<i>For >1,000', Deduct</i>	-1.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)						
07 71 23 00-0070	LF			5", 16 Ounce, Half Round Copper Gutter .....24.78		5.68
				<i>For Up To 100', Add</i>	3.88	
				<i>For >100' To 250', Add</i>	1.71	
				<i>For >1,000', Deduct</i>	-0.94	
07 71 23 00-0071	LF			6", 16 Ounce, Half Round Copper Gutter .....30.80		5.99
				<i>For Up To 100', Add</i>	4.55	
				<i>For >100' To 250', Add</i>	2.03	
				<i>For >1,000', Deduct</i>	-0.98	
07 71 23 00-0072	LF			7", 16 Ounce, Half Round Copper Gutter .....50.07		6.29
				<i>For Up To 100', Add</i>	6.60	
				<i>For >100' To 250', Add</i>	3.03	
				<i>For >1,000', Deduct</i>	-1.06	
07 71 23 00-0073	LF			5", 20 Ounce, Half Round Copper Gutter .....28.50		5.68
				<i>For Up To 100', Add</i>	4.26	
				<i>For >100' To 250', Add</i>	1.89	
				<i>For >1,000', Deduct</i>	-0.94	
07 71 23 00-0074	LF			6", 20 Ounce, Half Round Copper Gutter .....34.75		5.99
				<i>For Up To 100', Add</i>	4.95	
				<i>For >100' To 250', Add</i>	2.23	
				<i>For >1,000', Deduct</i>	-0.98	
07 71 23 00-0075	LF			7", 20 Ounce, Half Round Copper Gutter .....52.48		6.29
				<i>For Up To 100', Add</i>	6.84	
				<i>For >100' To 250', Add</i>	3.15	
				<i>For >1,000', Deduct</i>	-1.06	
07 71 23 00-0076	LF			8", 20 Ounce, Half Round Copper Gutter .....59.53		7.07
				<i>For Up To 100', Add</i>	7.70	
				<i>For >100' To 250', Add</i>	3.56	
				<i>For >1,000', Deduct</i>	-1.17	
07 71 23 00-0077 Box Style Copper Gutters (07 71 23 00-0060)						
07 71 23 00-0078	LF			5", 16 Ounce, Box Style Copper Gutter .....28.45		6.45
				<i>For Up To 100', Add</i>	4.46	
				<i>For >100' To 250', Add</i>	1.96	
				<i>For >1,000', Deduct</i>	-1.08	
07 71 23 00-0079	LF			6", 16 Ounce, Box Style Copper Gutter .....30.58		7.07
				<i>For Up To 100', Add</i>	4.81	
				<i>For >100' To 250', Add</i>	2.11	
				<i>For >1,000', Deduct</i>	-1.17	
07 71 23 00-0080	LF			7", 16 Ounce, Box Style Copper Gutter .....36.64		7.53
				<i>For Up To 100', Add</i>	5.53	
				<i>For >100' To 250', Add</i>	2.45	
				<i>For >1,000', Deduct</i>	-1.24	
07 71 23 00-0081	LF			8", 16 Ounce, Box Style Copper Gutter .....37.55		7.99
				<i>For Up To 100', Add</i>	5.74	
				<i>For >100' To 250', Add</i>	2.54	
				<i>For >1,000', Deduct</i>	-1.32	
07 71 23 00-0082	LF			5", 20 Ounce, Box Style Copper Gutter .....32.08		6.45
				<i>For Up To 100', Add</i>	4.82	
				<i>For >100' To 250', Add</i>	2.14	
				<i>For >1,000', Deduct</i>	-1.08	
07 71 23 00-0083	LF			6", 20 Ounce, Box Style Copper Gutter .....34.22		7.07
				<i>For Up To 100', Add</i>	5.17	
				<i>For >100' To 250', Add</i>	2.29	
				<i>For >1,000', Deduct</i>	-1.17	
07 71 23 00-0084	LF			7", 20 Ounce, Box Style Copper Gutter .....40.27		7.53
				<i>For Up To 100', Add</i>	5.89	
				<i>For >100' To 250', Add</i>	2.64	
				<i>For >1,000', Deduct</i>	-1.24	
07 71 23 00-0085	LF			8", 20 Ounce, Box Style Copper Gutter .....41.18		7.99
				<i>For Up To 100', Add</i>	6.10	
				<i>For >100' To 250', Add</i>	2.72	
				<i>For >1,000', Deduct</i>	-1.32	
07 71 23 00-0086 Copper Gutter End Caps (07 71 23 00-0059)						
07 71 23 00-0087 K-Style, Copper Gutter End Caps (07 71 23 00-0086)						
07 71 23 00-0088	EA			4", K-Style Copper Gutter End Cap .....7.10		
07 71 23 00-0089	EA			5", K-Style Copper Gutter End Cap .....7.55		
07 71 23 00-0090	EA			6", K-Style Copper Gutter End Cap .....7.99		
07 71 23 00-0091	EA			7", K-Style Copper Gutter End Cap .....19.89		
07 71 23 00-0092	EA			8", K-Style Copper Gutter End Cap .....24.07		
07 71 23 00-0093 Half Round, Copper Gutter End Caps (07 71 23 00-0086)						
07 71 23 00-0094	EA			4", Half Round Copper Gutter End Cap .....8.42		
07 71 23 00-0095	EA			5", Half Round Copper Gutter End Cap .....9.36		
07 71 23 00-0096	EA			6", Half Round Copper Gutter End Cap .....13.72		
07 71 23 00-0097	EA			7", Half Round Copper Gutter End Cap .....39.65		
07 71 23 00-0098	EA			8", Half Round Copper Gutter End Cap .....46.68		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0099 Box Style, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0100 EA 5", Box Style Copper Gutter End Cap.....	15.43	
07 71 23 00-0101 EA 6", Box Style Copper Gutter End Cap.....	16.16	
07 71 23 00-0102 EA 7", Box Style Copper Gutter End Cap.....	16.89	
07 71 23 00-0103 EA 8", Box Style Copper Gutter End Cap.....	18.34	
07 71 23 00-0104 Copper Gutter Miters (07 71 23 00-0059)		
Note: Inside or outside miters.		
07 71 23 00-0105 K-Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0106 EA 4", K-Style Copper Gutter Miter.....	44.25	
07 71 23 00-0107 EA 5", K-Style Copper Gutter Miter.....	49.91	
07 71 23 00-0108 EA 6", K-Style Copper Gutter Miter.....	70.34	
07 71 23 00-0109 EA 7", K-Style Copper Gutter Miter.....	97.98	
07 71 23 00-0110 EA 8", K-Style Copper Gutter Miter.....	114.47	
07 71 23 00-0111 Half Round, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0112 EA 4", Half Round Copper Gutter Miter.....	66.98	
07 71 23 00-0113 EA 5", Half Round Copper Gutter Miter.....	62.51	
07 71 23 00-0114 EA 6", Half Round Copper Gutter Miter.....	88.56	
07 71 23 00-0115 EA 7", Half Round Copper Gutter Miter.....	105.05	
07 71 23 00-0116 EA 8", Half Round Copper Gutter Miter.....	123.62	
07 71 23 00-0117 Box Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0118 EA 5", 16 Ounce Box Style Copper Gutter Miter.....	73.57	
07 71 23 00-0119 EA 6", 16 Ounce Box Style Copper Gutter Miter.....	76.10	
07 71 23 00-0120 EA 7", 16 Ounce Box Style Copper Gutter Miter.....	82.98	
07 71 23 00-0121 EA 8", 16 Ounce Box Style Copper Gutter Miter.....	84.88	
07 71 23 00-0122 EA 5", 20 Ounce Box Style Copper Gutter Miter.....	80.83	
07 71 23 00-0123 EA 6", 20 Ounce Box Style Copper Gutter Miter.....	83.37	
07 71 23 00-0124 EA 7", 20 Ounce Box Style Copper Gutter Miter.....	90.25	
07 71 23 00-0125 EA 8", 20 Ounce Box Style Copper Gutter Miter.....	98.74	
07 71 23 00-0126 Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0127 EA 2" Diameter, Round Copper Wire Strainer.....	21.92	3.84
07 71 23 00-0128 EA 3" Diameter, Round Copper Wire Strainer.....	26.50	3.84
07 71 23 00-0129 EA 4" Diameter, Round Copper Wire Strainer.....	41.44	3.84
07 71 23 00-0130 EA 5" Diameter, Round Copper Wire Strainer.....	54.45	3.84
07 71 23 00-0131 EA 6" Diameter, Round Copper Wire Strainer.....	65.34	3.84
07 71 23 00-0132 Copper Downspouts (07 71 23 00-0059)		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133 Round Copper Downspouts (07 71 23 00-0132)		
07 71 23 00-0134 LF 2" Diameter, 16 Ounce, Round Copper Downspout.....	27.03	3.69
For Up To 100', Add	3.30	
For >100 To 250', Add	1.55	
For >1,000', Deduct	-0.40	
07 71 23 00-0135 LF 3" Diameter, 16 Ounce, Round Copper Downspout.....	19.17	3.69
For Up To 100', Add	2.52	
For >100 To 250', Add	1.16	
For >1,000', Deduct	-0.40	
07 71 23 00-0136 LF 4" Diameter, 16 Ounce, Round Copper Downspout.....	23.87	3.69
For Up To 100', Add	2.99	
For >100 To 250', Add	1.39	
For >1,000', Deduct	-0.40	
07 71 23 00-0137 LF 5" Diameter, 16 Ounce, Round Copper Downspout.....	37.48	3.69
For Up To 100', Add	4.35	
For >100 To 250', Add	2.07	
For >1,000', Deduct	-0.40	
07 71 23 00-0138 LF 6" Diameter, 16 Ounce, Round Copper Downspout.....	47.87	3.69
For Up To 100', Add	5.39	
For >100 To 250', Add	2.59	
For >1,000', Deduct	-0.40	
07 71 23 00-0139 LF 3" Diameter, 20 Ounce, Round Copper Downspout.....	25.54	3.69
For Up To 100', Add	3.15	
For >100 To 250', Add	1.48	
For >1,000', Deduct	-0.40	
07 71 23 00-0140 LF 4" Diameter, 20 Ounce, Round Copper Downspout.....	32.80	3.69
For Up To 100', Add	3.88	
For >100 To 250', Add	1.84	
For >1,000', Deduct	-0.40	
07 71 23 00-0141 LF 5" Diameter, 20 Ounce, Round Copper Downspout.....	49.28	3.69
For Up To 100', Add	5.53	
For >100 To 250', Add	2.66	
For >1,000', Deduct	-0.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0142 Square Copper Downspouts (07 71 23 00-0132)						
	07 71 23 00-0143	LF		3" Diameter, 16 Ounce, Square Copper Downspout	13.62	3.69
				<i>For Up To 100', Add</i>	1.96	
				<i>For >100 To 250', Add</i>	0.88	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0144	LF		4" Diameter, 16 Ounce, Square Copper Downspout	16.74	3.69
				<i>For Up To 100', Add</i>	2.27	
				<i>For >100 To 250', Add</i>	1.04	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0145	LF		5" Diameter, 16 Ounce, Square Copper Downspout	23.48	3.69
				<i>For Up To 100', Add</i>	2.95	
				<i>For >100 To 250', Add</i>	1.37	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0146	LF		3" Diameter, 20 Ounce, Square Copper Downspout	15.55	3.69
				<i>For Up To 100', Add</i>	2.15	
				<i>For >100 To 250', Add</i>	0.98	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0147	LF		4" Diameter, 20 Ounce, Square Copper Downspout	19.45	3.69
				<i>For Up To 100', Add</i>	2.54	
				<i>For >100 To 250', Add</i>	1.17	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0148	LF		5" Diameter, 20 Ounce, Square Copper Downspout	27.45	3.69
				<i>For Up To 100', Add</i>	3.34	
				<i>For >100 To 250', Add</i>	1.57	
				<i>For >1,000', Deduct</i>	-0.40	
07 71 23 00-0149 Rectangular Copper Downspouts (07 71 23 00-0132)						
	07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout	19.65	3.69
				<i>For Up To 100', Add</i>	2.56	
				<i>For >100 To 250', Add</i>	1.18	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout	24.56	3.69
				<i>For Up To 100', Add</i>	3.05	
				<i>For >100 To 250', Add</i>	1.43	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout	34.46	3.69
				<i>For Up To 100', Add</i>	4.04	
				<i>For >100 To 250', Add</i>	1.92	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout	22.70	3.69
				<i>For Up To 100', Add</i>	2.87	
				<i>For >100 To 250', Add</i>	1.33	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout	28.79	3.69
				<i>For Up To 100', Add</i>	3.48	
				<i>For >100 To 250', Add</i>	1.64	
				<i>For >1,000', Deduct</i>	-0.40	
	07 71 23 00-0155	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout	40.85	3.69
				<i>For Up To 100', Add</i>	4.68	
				<i>For >100 To 250', Add</i>	2.24	
				<i>For >1,000', Deduct</i>	-0.40	
07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)						
	07 71 23 00-0157	EA		Thru-Wall Copper Scupper Outlet.....	219.09	26.37
	07 71 23 00-0158	EA		Copper Leader/Conductor Head.....	308.31	29.31
	07 71 23 00-0159	EA		Copper Eave Box.....	148.08	23.04
07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)						
07 71 23 00-0161 Galvanized Steel Gutters (07 71 23 00-0160)						
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.						
07 71 23 00-0162 K-Style Galvanized Steel Gutters (07 71 23 00-0161)						
	07 71 23 00-0163	LF		5", 26 Gauge, K-Style Galvanized Steel Gutter	14.98	5.68
				<i>For Up To 100', Add</i>	2.90	
				<i>For >100' To 250', Add</i>	1.22	
				<i>For >1,000', Deduct</i>	-0.94	
				<i>For Kynar 500® Finish, Add</i>	2.52	
				<i>For 24 Gauge, Add</i>	1.57	
				<i>For 22 Gauge, Add</i>	3.09	
	07 71 23 00-0164	LF		6", 26 Gauge, K-Style Galvanized Steel Gutter	17.15	5.99
				<i>For Up To 100', Add</i>	3.19	
				<i>For >100' To 250', Add</i>	1.35	
				<i>For >1,000', Deduct</i>	-0.98	
				<i>For Kynar 500® Finish, Add</i>	3.29	
				<i>For 24 Gauge, Add</i>	2.05	
				<i>For 22 Gauge, Add</i>	4.03	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0165 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter	33.11	6.29
For Up To 100', Add	4.90	
For >100' To 250', Add	2.19	
For >1,000', Deduct	-1.06	
For Kynar 500® Finish, Add	10.13	
For 24 Gauge, Add	6.31	
For 22 Gauge, Add	12.39	
07 71 23 00-0166 LF 8", 26 Gauge, K-Style Galvanized Steel Gutter	35.05	7.07
For Up To 100', Add	5.26	
For >100' To 250', Add	2.34	
For >1,000', Deduct	-1.17	
For Kynar 500® Finish, Add	10.52	
For 24 Gauge, Add	6.55	
For 22 Gauge, Add	12.86	
07 71 23 00-0167 Half Round Galvanized Steel Gutters (07 71 23 00-0161)		
07 71 23 00-0168 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter	20.77	5.68
For Up To 100', Add	3.48	
For >100' To 250', Add	1.51	
For >1,000', Deduct	-0.94	
For Kynar 500® Finish, Add	5.13	
For 24 Gauge, Add	3.19	
For 22 Gauge, Add	6.27	
07 71 23 00-0169 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter	25.68	5.99
For Up To 100', Add	4.04	
For >100' To 250', Add	1.78	
For >1,000', Deduct	-0.98	
For Kynar 500® Finish, Add	7.13	
For 24 Gauge, Add	4.44	
For 22 Gauge, Add	8.72	
07 71 23 00-0170 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter	61.08	6.29
For Up To 100', Add	7.70	
For >100' To 250', Add	3.58	
For >1,000', Deduct	-1.06	
For Kynar 500® Finish, Add	22.72	
For 24 Gauge, Add	14.14	
For 22 Gauge, Add	27.77	
07 71 23 00-0171 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter	65.27	7.07
For Up To 100', Add	8.28	
For >100' To 250', Add	3.85	
For >1,000', Deduct	-1.17	
For Kynar 500® Finish, Add	24.12	
For 24 Gauge, Add	15.01	
For 22 Gauge, Add	29.48	
07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)		
07 71 23 00-0173 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter	24.75	6.45
For Up To 100', Add	4.09	
For >100' To 250', Add	1.78	
For >1,000', Deduct	-1.08	
For Kynar 500® Finish, Add	6.30	
For 22 Gauge, Add	3.08	
07 71 23 00-0174 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter	28.79	7.07
For Up To 100', Add	4.63	
For >100' To 250', Add	2.02	
For >1,000', Deduct	-1.17	
For Kynar 500® Finish, Add	7.70	
For 22 Gauge, Add	3.77	
07 71 23 00-0175 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter	35.34	6.29
For Up To 100', Add	5.12	
For >100' To 250', Add	2.30	
For >1,000', Deduct	-1.06	
For Kynar 500® Finish, Add	11.14	
For 22 Gauge, Add	5.45	
07 71 23 00-0176 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter	39.62	7.99
For Up To 100', Add	5.94	
For >100' To 250', Add	2.64	
For >1,000', Deduct	-1.32	
For Kynar 500® Finish, Add	11.88	
For 22 Gauge, Add	5.81	
07 71 23 00-0177 Galvanized Steel Gutter End Caps (07 71 23 00-0160)		
07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0179 EA 5", K-Style Galvanized Steel Gutter End Cap	6.44	
For Kynar 500® Finish, Add	1.51	
07 71 23 00-0180 EA 6", K-Style Galvanized Steel Gutter End Cap	7.32	
For Kynar 500® Finish, Add	1.91	
07 71 23 00-0181 EA 7", K-Style Galvanized Steel Gutter End Cap	15.17	
For Kynar 500® Finish, Add	5.44	
07 71 23 00-0182 EA 8", K-Style Galvanized Steel Gutter End Cap	21.72	
For Kynar 500® Finish, Add	8.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0184 EA 5", Half Round Galvanized Steel Gutter End Cap.....	8.10	
For Kynar 500® Finish, Add	2.26	
07 71 23 00-0185 EA 6", Half Round Galvanized Steel Gutter End Cap.....	9.23	
For Kynar 500® Finish, Add	2.77	
07 71 23 00-0186 EA 7", Half Round Galvanized Steel Gutter End Cap.....	16.67	
For Kynar 500® Finish, Add	6.12	
07 71 23 00-0187 EA 8", Half Round Galvanized Steel Gutter End Cap.....	22.31	
For Kynar 500® Finish, Add	8.65	
07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0189 EA 5", Box Style Galvanized Steel Gutter End Cap.....	14.04	
For Kynar 500® Finish, Add	4.93	
07 71 23 00-0190 EA 6", Box Style Galvanized Steel Gutter End Cap.....	16.78	
For Kynar 500® Finish, Add	6.17	
07 71 23 00-0191 EA 7", Box Style Galvanized Steel Gutter End Cap.....	18.72	
For Kynar 500® Finish, Add	7.04	
07 71 23 00-0192 EA 8", Box Style Galvanized Steel Gutter End Cap.....	24.87	
For Kynar 500® Finish, Add	9.81	
07 71 23 00-0193 Galvanized Steel Gutter Miters (07 71 23 00-0160)		
Note: Inside or outside miters.		
07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0195 EA 5", K-Style Galvanized Steel Gutter Miter.....	38.28	
For Kynar 500® Finish, Add	10.25	
07 71 23 00-0196 EA 6", K-Style Galvanized Steel Gutter Miter.....	60.15	
For Kynar 500® Finish, Add	19.60	
07 71 23 00-0197 EA 7", K-Style Galvanized Steel Gutter Miter.....	94.27	
For Kynar 500® Finish, Add	34.47	
07 71 23 00-0198 EA 8", K-Style Galvanized Steel Gutter Miter.....	105.76	
For Kynar 500® Finish, Add	39.09	
07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0200 EA 5", Half Round Galvanized Steel Gutter Miter.....	51.15	
For Kynar 500® Finish, Add	16.04	
07 71 23 00-0201 EA 6", Half Round Galvanized Steel Gutter Miter.....	57.31	
For Kynar 500® Finish, Add	18.32	
07 71 23 00-0202 EA 7", Half Round Galvanized Steel Gutter Miter.....	156.12	
For Kynar 500® Finish, Add	62.31	
07 71 23 00-0203 EA 8", Half Round Galvanized Steel Gutter Miter.....	165.04	
For Kynar 500® Finish, Add	65.77	
07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0205 EA 5", Box Style Galvanized Steel Gutter Miter.....	48.57	
For Kynar 500® Finish, Add	14.88	
07 71 23 00-0206 EA 6", Box Style Galvanized Steel Gutter Miter.....	77.19	
For Kynar 500® Finish, Add	27.27	
07 71 23 00-0207 EA 7", Box Style Galvanized Steel Gutter Miter.....	99.40	
For Kynar 500® Finish, Add	36.78	
07 71 23 00-0208 EA 8", Box Style Galvanized Steel Gutter Miter.....	105.76	
For Kynar 500® Finish, Add	39.09	
07 71 23 00-0209 Galvanized Steel Gutter Wire Strainers (07 71 23 00-0160)		
07 71 23 00-0210 EA 3" Diameter, Round Galvanized Steel Wire Strainer.....	15.33	3.84
For Kynar 500® Finish, Add	3.30	
07 71 23 00-0211 EA 4" Diameter, Round Galvanized Steel Wire Strainer.....	21.57	3.84
For Kynar 500® Finish, Add	6.11	
07 71 23 00-0212 Galvanized Steel Downspouts (07 71 23 00-0160)		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213 Round Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0214 LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	8.08	3.69
For Up To 100', Add	1.41	
For >100 To 250', Add	0.60	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	1.84	
For 24 Gauge, Add	1.15	
For 22 Gauge, Add	2.25	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0215 LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	9.84	3.69
For Up To 100', Add	1.58	
For >100 To 250', Add	0.69	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	2.63	
For 24 Gauge, Add	1.64	
For 22 Gauge, Add	3.22	
07 71 23 00-0216 LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	13.08	3.69
For Up To 100', Add	1.91	
For >100 To 250', Add	0.85	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	4.09	
For 24 Gauge, Add	2.55	
For 22 Gauge, Add	5.00	
07 71 23 00-0217 LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	28.04	3.69
For Up To 100', Add	3.40	
For >100 To 250', Add	1.60	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	10.82	
For 24 Gauge, Add	6.73	
For 22 Gauge, Add	13.23	
07 71 23 00-0218 Square Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0219 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.06	3.69
For Up To 100', Add	1.50	
For >100 To 250', Add	0.65	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	2.28	
For 24 Gauge, Add	1.42	
For 22 Gauge, Add	2.79	
07 71 23 00-0220 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout	11.37	3.69
For Up To 100', Add	1.74	
For >100 To 250', Add	0.77	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	3.32	
For 24 Gauge, Add	2.07	
For 22 Gauge, Add	4.06	
07 71 23 00-0221 Rectangular Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0222 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.22	3.69
For Up To 100', Add	1.42	
For >100 To 250', Add	0.61	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	1.90	
For 24 Gauge, Add	1.18	
For 22 Gauge, Add	2.33	
07 71 23 00-0223 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.24	3.69
For Up To 100', Add	1.62	
For >100 To 250', Add	0.71	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	2.81	
For 24 Gauge, Add	1.75	
For 22 Gauge, Add	3.44	
07 71 23 00-0224 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	18.28	3.69
For Up To 100', Add	2.43	
For >100 To 250', Add	1.11	
For >1,000', Deduct	-0.40	
For Kynar 500® Finish, Add	6.43	
For 24 Gauge, Add	4.00	
For 22 Gauge, Add	7.86	
07 71 23 00-0225 Galvanized Steel Devices (07 71 23 00-0160)		
07 71 23 00-0226 EA Galvanized Steel Leader/Conductor Head.....	320.20	29.31
For Kynar 500® Finish, Add	117.71	
07 71 23 00-0227 EA Thru-Wall Galvanized Steel Scupper Outlet	185.32	26.37
For Kynar 500® Finish, Add	43.83	
07 71 23 00-0228 Stainless Steel Gutters And Downspouts (07 71 23)		
Note: AISI type 304 stainless steel.		
07 71 23 00-0229 Stainless Steel Gutters (07 71 23 00-0228)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0230 K-Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0231 LF 5", 26 Gauge, K-Style Stainless Steel Gutter.....	30.57	5.68
For Up To 100', Add	4.46	
For >100' To 250', Add	2.00	
For >1,000', Deduct	-0.94	
For 316 Stainless Steel, Add	8.06	
For 24 Gauge, Add	7.00	
For 22 Gauge, Add	13.99	
For 20 Gauge, Add	20.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0232 LF 6", 26 Gauge, K-Style Stainless Steel Gutter.....	36.34	5.99
For Up To 100', Add	5.11	
For >100' To 250', Add	2.31	
For >1,000', Deduct	-0.98	
For 316 Stainless Steel, Add	10.07	
For 24 Gauge, Add	8.75	
For 22 Gauge, Add	17.50	
For 20 Gauge, Add	26.24	
07 71 23 00-0233 Half Round, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0234 LF 5", 26 Gauge, Half Round Stainless Steel Gutter	41.47	5.68
For Up To 100', Add	5.55	
For >100' To 250', Add	2.54	
For >1,000', Deduct	-0.94	
For 316 Stainless Steel, Add	12.20	
For 24 Gauge, Add	10.59	
For 22 Gauge, Add	21.19	
For 20 Gauge, Add	31.78	
07 71 23 00-0235 LF 6", 26 Gauge, Half Round Stainless Steel Gutter	49.89	5.99
For Up To 100', Add	6.46	
For >100' To 250', Add	2.99	
For >1,000', Deduct	-0.98	
For 316 Stainless Steel, Add	15.22	
For 24 Gauge, Add	13.22	
For 22 Gauge, Add	26.44	
For 20 Gauge, Add	39.66	
07 71 23 00-0236 Box Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0237 LF 5", 26 Gauge, Box Style Stainless Steel Gutter	40.99	6.45
For Up To 100', Add	5.71	
For >100' To 250', Add	2.59	
For >1,000', Deduct	-1.08	
For 316 Stainless Steel, Add	11.49	
For 24 Gauge, Add	9.98	
For 22 Gauge, Add	19.95	
For 20 Gauge, Add	29.93	
For 18 Gauge, Add	50.18	
For Seamless Gutter, Add	0.10	
07 71 23 00-0238 LF 6", 26 Gauge, Box Style Stainless Steel Gutter	49.65	7.07
For Up To 100', Add	6.72	
For >100' To 250', Add	3.07	
For >1,000', Deduct	-1.17	
For 316 Stainless Steel, Add	14.43	
For 24 Gauge, Add	12.53	
For 22 Gauge, Add	25.07	
For 20 Gauge, Add	37.60	
For 18 Gauge, Add	63.05	
For Seamless Gutter, Add	-0.15	
07 71 23 00-0239 LF 7", 26 Gauge, Box Style Stainless Steel Gutter	58.33	7.53
For Up To 100', Add	7.70	
For >100' To 250', Add	3.54	
For >1,000', Deduct	-1.24	
For 316 Stainless Steel, Add	17.44	
For 24 Gauge, Add	15.14	
For 22 Gauge, Add	30.29	
For 20 Gauge, Add	45.43	
For 18 Gauge, Add	76.18	
For Seamless Gutter, Add	-0.43	
07 71 23 00-0240 LF 8", 26 Gauge, Box Style Stainless Steel Gutter	63.35	7.99
For Up To 100', Add	8.32	
For >100' To 250', Add	3.83	
For >1,000', Deduct	-1.32	
For 316 Stainless Steel, Add	19.05	
For 24 Gauge, Add	16.55	
For 22 Gauge, Add	33.09	
For 20 Gauge, Add	49.64	
For 18 Gauge, Add	83.23	
For Seamless Gutter, Add	-0.53	
07 71 23 00-0241 Stainless Steel Gutter End Caps (07 71 23 00-0228)		
07 71 23 00-0242 K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0243 EA 5", K-Style Stainless Steel Gutter End Cap	9.71	
For 316 Stainless Steel, Add	2.52	
07 71 23 00-0244 EA 6", K-Style Stainless Steel Gutter End Cap	11.04	
For 316 Stainless Steel, Add	3.02	
07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0246 EA 5", Half Round Stainless Steel Gutter End Cap	11.37	
For 316 Stainless Steel, Add	3.15	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0247	EA		6", Half Round Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	13.03 3.78	
07 71 23 00-0248			Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0249	EA		5", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	12.13 3.15	
07 71 23 00-0250	EA		6", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	13.79 3.78	
07 71 23 00-0251	EA		7", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	14.32 4.08	
07 71 23 00-0252	EA		8", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	17.31 5.03	
07 71 23 00-0253			Stainless Steel Gutter Miters (07 71 23 00-0228) Note: Inside or outside box miters.		
07 71 23 00-0254			K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0255	EA		5", K-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	49.77 13.02	
07 71 23 00-0256	EA		6", K-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	77.38 23.10	
07 71 23 00-0257			Half Round, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0258	EA		5", Half Round Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	116.09 38.22	
07 71 23 00-0259	EA		6", Half Round Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	141.44 47.44	
07 71 23 00-0260			Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0261	EA		5", Box-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	56.62 15.62	
07 71 23 00-0262	EA		6", Box-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	89.54 27.72	
07 71 23 00-0263	EA		7", Box-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	102.76 32.34	
07 71 23 00-0264	EA		8", Box-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	116.15 36.96	
07 71 23 00-0265			Stainless Steel Gutter Wire Strainers (07 71 23 00-0228)		
07 71 23 00-0266	EA		3" Diameter, Round Stainless Steel Wire Strainer	47.43	3.84
07 71 23 00-0267	EA		4" Diameter, Round Stainless Steel Wire Strainer	48.51	3.84
07 71 23 00-0268			Stainless Steel Downspouts (07 71 23 00-0228) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269			Round Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0270	LF		3" Diameter, 26 Gauge, Round Stainless Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	17.69 2.37 1.08 -0.40 5.21 4.52 9.04 13.56	3.69
07 71 23 00-0271	LF		4" Diameter, 26 Gauge, Round Stainless Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	23.00 2.90 1.35 -0.40 7.22 6.27 12.55 18.82	3.69
07 71 23 00-0272	LF		5" Diameter, 26 Gauge, Round Stainless Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	33.03 3.90 1.85 -0.40 11.04 9.58 19.17 28.75	3.69
07 71 23 00-0273			Rectangular Stainless Steel Downspouts (07 71 23 00-0268)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0274 LF 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	18.08	3.69
For Up To 100', Add	2.41	
For >100 To 250', Add	1.10	
For >1,000', Deduct	-0.40	
For 316 Stainless Steel, Add	5.35	
For 24 Gauge, Add	4.65	
For 22 Gauge, Add	9.30	
For 20 Gauge, Add	13.95	
For 18 Gauge, Add	23.39	
07 71 23 00-0275 LF 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout.....	23.80	3.69
For Up To 100', Add	2.98	
For >100 To 250', Add	1.39	
For >1,000', Deduct	-0.40	
For 316 Stainless Steel, Add	7.53	
For 24 Gauge, Add	6.54	
For 22 Gauge, Add	13.07	
For 20 Gauge, Add	19.61	
For 18 Gauge, Add	32.88	
07 71 23 00-0276 LF 4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout.....	30.48	3.69
For Up To 100', Add	3.65	
For >100 To 250', Add	1.72	
For >1,000', Deduct	-0.40	
For 316 Stainless Steel, Add	10.07	
For 24 Gauge, Add	8.74	
For 22 Gauge, Add	17.48	
For 20 Gauge, Add	26.23	
For 18 Gauge, Add	43.97	
07 71 23 00-0277 Stainless Steel Devices (07 71 23 00-0228)		
07 71 23 00-0278 EA Thru-Wall Stainless Steel Scupper Outlet.....	295.20	34.56
For 316 Stainless Steel, Add	68.41	
07 71 23 00-0279 EA Stainless Steel Leader/Conductor Head.....	443.01	34.56
For 316 Stainless Steel, Add	139.16	
07 71 23 00-0280 Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0281 Vinyl Gutters (07 71 23 00-0280)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282 K-Style Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0283 LF 4", K-Style Vinyl Gutter.....	13.02	3.84
For Up To 100', Add	2.26	
For >100' To 250', Add	0.97	
For >1,000', Deduct	-0.64	
07 71 23 00-0284 LF 5", K-Style Vinyl Gutter.....	16.43	3.84
For Up To 100', Add	2.60	
For >100' To 250', Add	1.14	
For >1,000', Deduct	-0.64	
07 71 23 00-0285 Half Round Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0286 LF 4", Half Round Vinyl Gutter.....	13.41	3.84
For Up To 100', Add	2.30	
For >100' To 250', Add	0.99	
For >1,000', Deduct	-0.64	
07 71 23 00-0287 LF 5", Half Round Vinyl Gutter.....	14.03	3.84
For Up To 100', Add	2.36	
For >100' To 250', Add	1.02	
For >1,000', Deduct	-0.64	
07 71 23 00-0288 Vinyl Gutter End Caps (07 71 23 00-0280)		
07 71 23 00-0289 K-Style, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0290 EA 4", K-Style Vinyl Gutter End Cap.....	7.88	
07 71 23 00-0291 EA 5", K-Style Vinyl Gutter End Cap.....	10.71	
07 71 23 00-0292 Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0293 EA 4", Half Round Vinyl Gutter End Cap.....	8.93	
07 71 23 00-0294 EA 5", Half Round Vinyl Gutter End Cap.....	8.46	
07 71 23 00-0295 Vinyl Gutter Miters (07 71 23 00-0280)		
Note: Inside or outside miters.		
07 71 23 00-0296 K-Style, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0297 EA 4", K-Style Vinyl Gutter Miter.....	19.19	
07 71 23 00-0298 EA 5", K-Style Vinyl Gutter Miter.....	28.32	
07 71 23 00-0299 Half Round, Vinyl Gutter Miters (07 71 23 00-0295)		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0300	EA		4", Half Round Vinyl Gutter Miter	19.19	
07 71 23 00-0301	EA		5", Half Round Vinyl Gutter Miter	20.76	
07 71 23 00-0302			Vinyl Downspouts (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303			Round Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0304	LF		2-1/2" Diameter, Round Vinyl Downspout.....	8.51	3.69
			For Up To 100', Add	1.45	
			For >100 To 250', Add	0.63	
			For >1,000', Deduct	-0.40	
07 71 23 00-0305	LF		3" Diameter, Round Vinyl Downspout.....	8.84	3.69
			For Up To 100', Add	1.48	
			For >100 To 250', Add	0.64	
			For >1,000', Deduct	-0.40	
07 71 23 00-0306			Square Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0307	LF		2-1/2", Square Vinyl Downspout	8.37	3.69
			For Up To 100', Add	1.44	
			For >100 To 250', Add	0.62	
			For >1,000', Deduct	-0.40	
07 71 23 00-0308			Rectangular Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0309	LF		2" x 3", Rectangular Vinyl Downspout.....	10.51	3.69
			For Up To 100', Add	1.65	
			For >100 To 250', Add	0.73	
			For >1,000', Deduct	-0.40	
07 71 23 00-0310			Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0311			Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0310)		
07 71 23 00-0312	EA		2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	336.70	5.53
07 71 23 00-0313	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	438.76	5.53
07 71 23 00-0314	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	523.62	5.53
07 71 23 00-0315			Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0310)		
07 71 23 00-0316	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	581.39	5.53
07 71 23 00-0317	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	710.17	5.53
07 71 23 00-0318	EA		5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,288.48	5.53
07 71 23 00-0319			Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		
07 71 23 00-0320	EA		3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	1,175.54	38.06
			For Polished Brass Finish (-PB), Add	109.94	
			For Chrome Plated Finish (-CP), Add	164.91	
			For Vandal Proof (-U), Add	54.97	
07 71 23 00-0321	EA		4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	1,200.91	50.75
			For Polished Brass Finish (-PB), Add	109.94	
			For Chrome Plated Finish (-CP), Add	164.91	
			For Vandal Proof (-U), Add	54.97	
07 71 23 00-0322	EA		6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,284.80	61.84
			For Polished Brass Finish (-PB), Add	116.11	
			For Chrome Plated Finish (-CP), Add	174.17	
			For Vandal Proof (-U), Add	58.06	
07 71 23 00-0323	EA		8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,373.16	78.08
			For Polished Brass Finish (-PB), Add	121.70	
			For Chrome Plated Finish (-CP), Add	182.55	
			For Vandal Proof (-U), Add	60.85	
07 71 23 00-0324	EA		10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,480.16	96.19
			For Polished Brass Finish (-PB), Add	128.78	
			For Chrome Plated Finish (-CP), Add	193.17	
			For Vandal Proof (-U), Add	64.39	
07 71 23 00-0325	EA		12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,634.59	134.28
			For Polished Brass Finish (-PB), Add	136.60	
			For Chrome Plated Finish (-CP), Add	204.90	
			For Vandal Proof (-U), Add	68.30	
07 71 23 00-0326	EA		15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,816.68	186.75
			For Polished Brass Finish (-PB), Add	144.32	
			For Chrome Plated Finish (-CP), Add	216.48	
			For Vandal Proof (-U), Add	72.16	
07 71 23 00-0327			Wall Mounted Downspout Nozzle (07 71 23)		
07 71 23 00-0328	EA		3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	313.47	38.06
			For Nickel Bronze Finish (-NB), Add	166.14	
			For Polished Bronze Finish (-PB), Add	130.54	
			For Chrome Plated Finish (-CP), Add	211.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0329 EA 4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	338.84	50.75
<i>For Nickel Bronze Finish (-NB), Add</i>	166.14	
<i>For Polished Bronze Finish (-PB), Add</i>	130.54	
<i>For Chrome Plated Finish (-CP), Add</i>	211.23	
07 71 23 00-0330 EA 6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	686.67	61.84
<i>For Nickel Bronze Finish (-NB), Add</i>	168.90	
<i>For Polished Bronze Finish (-PB), Add</i>	95.71	
<i>For Chrome Plated Finish (-CP), Add</i>	247.72	
07 71 23 00-0331 EA 8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	1,010.77	78.08
<i>For Nickel Bronze Finish (-NB), Add</i>	145.29	
<i>For Polished Bronze Finish (-PB), Add</i>	111.10	
<i>For Chrome Plated Finish (-CP), Add</i>	247.84	
07 71 23 00-0332 EA 10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	1,301.90	96.19
<i>For Nickel Bronze Finish (-NB), Add</i>	188.62	
<i>For Polished Bronze Finish (-PB), Add</i>	144.24	
<i>For Chrome Plated Finish (-CP), Add</i>	321.76	
07 71 23 00-0333 EA 12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12).....	1,664.39	134.28
<i>For Nickel Bronze Finish (-NB), Add</i>	237.29	
<i>For Polished Bronze Finish (-PB), Add</i>	181.46	
<i>For Chrome Plated Finish (-CP), Add</i>	404.79	
07 71 23 00-0334 Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0335 LF Aluminum Mesh Gutter Leaf Guard.....	4.08	1.02
<i>For Up To 100', Add</i>	0.71	
<i>For >100' To 250', Add</i>	0.31	
<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0336 LF Vinyl Mesh Gutter Leaf Guard.....	3.21	1.02
<i>For Up To 100', Add</i>	0.62	
<i>For >100' To 250', Add</i>	0.26	
<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0337 LF 6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	17.05	1.27
<i>For Up To 100', Add</i>	2.09	
<i>For >100' To 250', Add</i>	0.98	
<i>For >1,000', Deduct</i>	-0.26	
07 71 23 00-0338 LF 9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	24.32	1.27
<i>For Up To 100', Add</i>	2.82	
<i>For >100' To 250', Add</i>	1.35	
<i>For >1,000', Deduct</i>	-0.26	
07 71 23 00-0339 LF 6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	12.98	1.27
<i>For Up To 100', Add</i>	1.60	
<i>For >100' To 250', Add</i>	0.75	
<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0340 LF 9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	19.95	1.27
<i>For Up To 100', Add</i>	2.30	
<i>For >100' To 250', Add</i>	1.10	
<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0341 EA Cleanout Roof Drain.....	160.22	
Note: Includes removing dome and flushing.		
07 71 23 00-0342 LF Cleanout Roof Gutters And Downspouts.....	1.87	
07 71 26 Reglets (07 71)		
07 71 26 00-0001 Counter Flashing With Reglet (07 71 26)		
Note: Includes reglet cut.		
07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004 LF 28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	16.81	5.22
07 71 26 00-0005 LF 26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	16.99	5.22
07 71 26 00-0006 LF 24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	17.29	5.22
07 71 26 00-0007 LF 22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	18.45	5.22
07 71 26 00-0008 LF 20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	19.11	5.22
07 71 26 00-0009 LF 18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	19.87	5.22
07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011 LF 28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.68	5.22
07 71 26 00-0012 LF 26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.94	5.22
07 71 26 00-0013 LF 24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.38	5.22
07 71 26 00-0014 LF 22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	22.06	5.22
07 71 26 00-0015 LF 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	23.01	5.22
07 71 26 00-0016 LF 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	24.11	5.22
07 71 26 00-0017 Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019 LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.33	5.22
07 71 26 00-0020 LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.10	5.22
07 71 26 00-0021 LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.88	5.22
07 71 26 00-0022 LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.43	5.22

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0023 LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.68	5.22
07 71 26 00-0024 LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	20.49	5.22
07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026 LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.56	5.22
07 71 26 00-0027 LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.05	5.22
07 71 26 00-0028 LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.55	5.22
07 71 26 00-0029 LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.90	5.22
07 71 26 00-0030 LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	15.70	5.22
07 71 26 00-0031 LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	16.85	5.22
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	14.97	5.22
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	15.68	5.22
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	16.40	5.22
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	16.92	5.22
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	18.07	5.22
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	19.74	5.22
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	20.18	5.22
07 71 26 00-0042 LF 22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	21.48	5.22
07 71 26 00-0043 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	21.91	5.22
07 71 26 00-0044 Copper Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0045 Copper Counter Flashing With Reglet (07 71 26 00-0044)		
07 71 26 00-0046 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	72.26	5.22
07 72 Roof Accessories (07 70)		
07 72 13 Manufactured Curbs (07 72)		
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13)		
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001)		
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	964.47	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	66.19	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	162.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-30.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.24	
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	979.76	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	67.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	165.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-36.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.21	
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,063.04	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.27	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	178.57	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-45.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	29.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.56	
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,121.67	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	78.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	190.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	35.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.87	
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,164.99	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	82.46	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	198.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.06	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	136.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,413.94	302.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	103.58	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	244.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-99.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-3.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.89	
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	984.86	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	166.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.54	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	134.94	
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,065.59	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.08	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-57.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.54	
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,098.73	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	75.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	185.71	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-70.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	52.75	
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,111.47	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	77.11	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	188.26	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	122.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.98	
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,373.17	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	99.50	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	236.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	138.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	181.35	
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,502.32	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	108.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	258.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	161.51	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	212.71	
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,182.83	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	84.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	202.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,291.61	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	91.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	220.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-88.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.26	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,319.64	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	94.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	226.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,448.80	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	103.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	248.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-122.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-26.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,555.02	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	110.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	265.62	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	
07 72 13 00-0022 EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,681.63	393.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	119.00	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	287.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-169.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-34.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	37.67	
07 72 13 00-0023 EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,319.64	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	94.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	226.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	177.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

07 72 13 00-0024	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,420.76	332.81
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	100.48	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	242.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-128.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-23.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.35	
07 72 13 00-0025	EA		62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,552.47	363.07
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	109.86	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	265.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-166.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-62.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-0.12	
07 72 13 00-0026	EA		62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,577.96	363.07
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.41	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	270.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	143.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.26	
07 72 13 00-0027	EA		62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,709.67	393.31
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.80	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	292.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-210.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-103.56	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	32.98	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)

07 72 13 00-0029	EA		26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	997.60	242.04
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.51	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	169.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-30.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	38.24	
07 72 13 00-0030	EA		26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,005.25	242.04
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	170.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-36.86	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.21	
07 72 13 00-0031	EA		26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,088.53	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	74.82	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	183.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-45.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.62	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.56	
07 72 13 00-0032	EA		26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,154.80	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.44	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	196.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-60.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	35.94	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.87	
07 72 13 00-0033	EA		26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,203.22	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.29	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	206.61	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.06	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	136.86	
07 72 13 00-0034	EA		26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,444.53	302.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.63	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	251.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-99.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-3.65	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	36.89	
07 72 13 00-0035	EA		38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,007.79	242.04
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.52	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	171.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.54	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.94	
07 72 13 00-0036	EA		38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,134.41	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	192.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-57.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.54	
07 72 13 00-0037	EA		38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,185.38	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.50	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	203.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-70.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	52.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,244.00	272.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.36	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	214.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.84	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	122.25	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.98	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,413.94	302.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.58	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	244.97	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	138.68	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	181.35	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,553.29	332.81
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.73	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	269.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	161.51	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	212.71	
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,213.42	272.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.31	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	208.65	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-73.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	20.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.62	
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,317.09	302.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	93.89	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	225.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-88.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-1.26	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	41.41	
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,357.87	302.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	97.97	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	233.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-105.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-30.43	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.09	
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,489.57	332.81
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	107.36	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	256.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-122.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-26.84	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	41.41	
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,603.45	363.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	114.96	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	275.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.96	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	152.44	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	205.78	
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,737.71	393.31
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.61	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	298.38	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-169.28	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-34.87	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.67	
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,357.87	302.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	97.97	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	233.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.24	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.65	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	177.72	
07 72 13 00-0048 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,461.54	332.81
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	104.55	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	250.71	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-128.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-23.77	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.35	
07 72 13 00-0049 EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,595.80	363.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	114.20	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	273.78	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-166.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-62.01	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-0.12	
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,628.93	363.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	117.51	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	280.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.04	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	143.58	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.26	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,765.74	393.31
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	127.41	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	303.98	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-210.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-103.56	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	32.98	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,015.44	242.04
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.29	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	172.83	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-30.03	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.77	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	38.24	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,023.09	242.04
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.05	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	174.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-36.86	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	22.88	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.21	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,101.28	272.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.09	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	186.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-45.05	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.62	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.56	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,175.19	272.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.48	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	201.00	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-60.05	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	35.94	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.87	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,231.26	272.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	89.09	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	212.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.52	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.06	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	136.86	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,480.21	302.55
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	110.20	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	258.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-99.64	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-3.65	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	36.89	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,023.09	242.04
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.05	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	174.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.20	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.54	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.94	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,101.28	272.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.09	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	186.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-57.32	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.27	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.54	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,231.26	272.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	89.09	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	212.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-70.97	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	22.88	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	52.75	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,292.43	272.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	95.21	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	224.45	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.84	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	122.25	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.98	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,444.53	302.55
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.63	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	251.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.60	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	138.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	181.35	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,586.43	332.81
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	117.04	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	275.69	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	161.51	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	212.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0065 EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,233.81	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	89.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	212.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0066 EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,249.22	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	87.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	212.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-88.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.26	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0067 EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,383.36	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	100.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	238.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0068 EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,520.16	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	110.42	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	262.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-122.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-26.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0069 EA 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,634.03	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	118.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	281.42	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	
07 72 13 00-0070 EA 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,773.39	393.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	128.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	305.51	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-169.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-34.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	37.67	
07 72 13 00-0071 EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,383.36	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	100.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	238.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	177.72	
07 72 13 00-0072 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,489.57	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	107.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	256.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-128.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-23.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.35	
07 72 13 00-0073 EA 62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,628.93	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	117.51	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	280.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-62.01	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-0.12	
07 72 13 00-0074 EA 62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,662.07	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	120.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	287.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	250.26	
07 72 13 00-0075 EA 62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,803.97	393.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	131.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	311.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-210.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-103.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.98	
07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078 EA 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	936.43	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	63.39	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	157.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-30.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.24	
07 72 13 00-0079 EA 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	969.56	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	66.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	163.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-36.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.21	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0080 EA 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,108.92	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	76.86	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	187.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-45.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	29.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.56	
07 72 13 00-0081 EA 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,185.38	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	84.50	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	35.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.87	
07 72 13 00-0082 EA 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,241.45	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	90.11	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	214.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.06	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	136.86	
07 72 13 00-0083 EA 26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,520.99	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	114.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	266.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-99.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-3.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.89	
07 72 13 00-0084 EA 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,030.73	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.54	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	134.94	
07 72 13 00-0085 EA 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,129.31	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	78.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	191.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-57.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.54	
07 72 13 00-0086 EA 38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,154.80	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	81.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	196.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-70.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	52.75	
07 72 13 00-0087 EA 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,177.74	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	83.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	201.51	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	122.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.98	
07 72 13 00-0088 EA 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,459.82	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	108.16	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	254.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	138.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	181.35	
07 72 13 00-0089 EA 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,604.27	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	118.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	279.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	161.51	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	212.71	
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,244.00	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	90.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	214.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,355.32	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	97.71	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	233.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-88.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.26	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0092 EA 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,396.10	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	101.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	241.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0093 EA 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,535.45	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	111.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	265.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-122.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-26.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0094	EA 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,649.32 119.55 284.48 32.96 152.44 205.78	363.07
07 72 13 00-0095	EA 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,791.23 129.96 309.08 -169.28 -34.87 37.67	393.31
07 72 13 00-0096	EA 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,396.10 101.79 241.40 26.24 96.65 177.72	302.55
07 72 13 00-0097	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,502.32 108.63 258.86 -128.31 -23.77 42.35	332.81
07 72 13 00-0098	EA 62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,644.22 119.04 283.46 -166.55 -62.01 -0.12	363.07
07 72 13 00-0099	EA 62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,679.91 122.61 290.60 39.04 143.58 250.26	363.07
07 72 13 00-0100	EA 62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,824.36 133.27 315.71 -210.22 -103.56 32.98	393.31
07 72 13 00-0101	12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0102	EA 26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	959.37 65.68 161.62 -30.03 14.77 38.24	242.04
07 72 13 00-0103	EA 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	997.60 69.51 169.27 -36.86 22.88 44.21	242.04
07 72 13 00-0104	EA 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,147.15 80.68 195.39 -45.05 29.62 44.56	272.29
07 72 13 00-0105	EA 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,231.26 89.09 212.22 -60.05 35.94 50.87	272.29
07 72 13 00-0106	EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,300.07 95.97 225.98 19.52 124.06 136.86	272.29
07 72 13 00-0107	EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,531.18 115.30 268.42 -99.64 -3.65 36.89	302.55

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0108 EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,063.87	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	76.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	182.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.54	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	134.94	
07 72 13 00-0109 EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,170.09	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	82.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	199.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-57.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.54	
07 72 13 00-0110 EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,203.22	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	86.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	206.61	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-70.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	52.75	
07 72 13 00-0111 EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,233.81	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	89.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	212.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	122.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.98	
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,520.99	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	114.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	266.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	138.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	181.35	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,678.18	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	126.22	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	294.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	161.51	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	212.71	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,289.88	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	94.95	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,406.30	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	102.81	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	243.44	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-88.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.26	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,454.72	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	107.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	253.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,596.62	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	118.06	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	277.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-122.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-26.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,720.69	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	126.69	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	298.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,872.79	393.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	138.11	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	325.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-169.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-34.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	37.67	
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,454.72	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	107.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	253.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	177.72	
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,568.58	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	115.26	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	272.12	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-128.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-23.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0122	EA			62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,715.59 126.18 297.74 -166.55 -62.01 -0.12	363.07
07 72 13 00-0123	EA			62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,753.82 130.00 305.38 39.04 143.58 250.26	363.07
07 72 13 00-0124	EA			62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,911.02 141.94 333.04 -210.22 -103.56 32.98	393.31
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>						
07 72 13 00-0126	EA			26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	977.21 67.47 165.19 -30.03 14.77 38.24	242.04
07 72 13 00-0127	EA			26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,017.99 71.54 173.34 -36.86 22.88 44.21	242.04
07 72 13 00-0128	EA			26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,170.09 82.97 199.98 -45.05 29.62 44.56	272.29
07 72 13 00-0129	EA			26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,261.84 92.15 218.33 -60.05 35.94 50.87	272.29
07 72 13 00-0130	EA			26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,338.30 99.79 233.62 19.52 124.06 136.86	272.29
07 72 13 00-0131	EA			26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,612.74 123.46 284.73 -99.64 -3.65 36.89	302.55
07 72 13 00-0132	EA			38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,089.35 78.68 187.62 11.20 96.54 134.94	242.04
07 72 13 00-0133	EA			38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,213.42 87.31 208.65 -57.32 32.27 68.54	272.29
07 72 13 00-0134	EA			38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,259.29 91.89 217.82 -70.97 22.88 52.75	272.29
07 72 13 00-0135	EA			38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,269.49 92.91 219.86 19.84 122.25 149.98	272.29

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,566.87	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	118.87	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	275.56	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	138.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	181.35	
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,729.15	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	131.31	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	304.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	161.51	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	212.71	
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,320.46	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	98.01	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	230.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,328.16	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	95.00	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	227.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-88.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.26	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,492.95	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	111.48	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	260.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,642.50	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	122.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	286.90	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-122.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-26.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	41.41	
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,766.56	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	131.27	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	307.93	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,928.86	393.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	143.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	336.61	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-169.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-34.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	37.67	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,492.95	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	111.48	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	260.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	177.72	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,614.46	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	119.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	281.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-128.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-23.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.35	
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,758.92	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	130.51	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	306.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-62.01	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-0.12	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,804.79	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	135.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	315.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	250.26	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,967.09	393.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	147.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	344.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-210.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-103.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.98	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0149				Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small> Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150				6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151	EA			14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	919.79	242.04
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.72	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	153.70	
07 72 13 00-0152	EA			23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,059.49	242.04
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.69	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	181.64	
07 72 13 00-0153	EA			32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,212.82	272.29
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.25	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	208.53	
07 72 13 00-0154	EA			41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,324.37	272.29
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	98.40	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	230.84	
07 72 13 00-0155	EA			50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,464.87	302.55
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	108.67	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	255.16	
07 72 13 00-0156				12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0157	EA			14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,124.35	242.04
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.18	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	194.62	
07 72 13 00-0158	EA			23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,313.95	242.04
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	101.14	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	232.54	
07 72 13 00-0159	EA			32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,394.93	272.29
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	105.46	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	244.95	
07 72 13 00-0160	EA			41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,466.21	272.29
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.58	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	259.21	
07 72 13 00-0161	EA			50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,641.64	302.55
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	126.35	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	290.51	
07 72 13 00-0162	EA			64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	2,594.37	332.81
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	217.84	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	477.27	
07 72 13 00-0163				18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0164	EA			17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,460.42	242.04
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	115.79	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	261.83	
07 72 13 00-0165	EA			24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,654.29	242.04
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	135.17	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	300.60	
07 72 13 00-0166	EA			31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,960.16	272.29
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	161.98	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	358.00	
07 72 13 00-0167				Wood, Prefabricated Roof Curbs <small>(07 72 13)</small> Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168				Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0169				2 x 6 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0170 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	777.91 47.54 125.33 -30.03 14.77 38.24	242.04
07 72 13 00-0171 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	866.35 52.60 139.23 -45.05 29.62 44.56	272.29
07 72 13 00-0172 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	921.83 58.15 150.33 19.52 124.06 136.86	272.29
07 72 13 00-0173 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	915.42 57.51 149.05 -70.97 22.88 52.75	272.29
07 72 13 00-0174 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	930.36 59.00 152.04 19.84 122.25 149.98	272.29
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,042.27 66.41 170.64 25.60 138.68 181.35	302.55
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	926.09 58.57 151.18 -73.72 20.15 43.62	272.29
07 72 13 00-0177 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,061.47 68.33 174.48 -105.10 -30.43 42.09	302.55
07 72 13 00-0178 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,212.74 75.89 197.17 32.96 152.44 205.78	363.07
07 72 13 00-0179 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,023.07 64.49 166.80 26.24 96.65 177.72	302.55
07 72 13 00-0180 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,124.30 70.83 183.26 -128.31 -23.77 42.35	332.81
07 72 13 00-0181 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,255.41 80.16 205.70 39.04 143.58 250.26	363.07
07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0188)		
07 72 13 00-0183 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	790.71 48.82 127.89 -30.03 14.77 38.24	242.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0184 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	881.29	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	54.09	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	142.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-45.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	29.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.56	
07 72 13 00-0185 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	962.36	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	62.20	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	158.44	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.06	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	136.86	
07 72 13 00-0186 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	941.03	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.07	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	154.17	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-70.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	52.75	
07 72 13 00-0187 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	962.36	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	62.20	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	158.44	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	122.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.98	
07 72 13 00-0188 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,074.27	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	69.61	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	177.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	138.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	181.35	
07 72 13 00-0189 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	949.56	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.92	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	155.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0190 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,091.34	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	71.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	180.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0191 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,242.61	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	78.88	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	
07 72 13 00-0192 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,046.54	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	66.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	171.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	177.72	
07 72 13 00-0193 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,152.03	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	73.60	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	188.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-128.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-23.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.35	
07 72 13 00-0194 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,285.28	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	83.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	211.67	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	250.26	
07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0188)</small>		
07 72 13 00-0196 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	799.25	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	49.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	129.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-30.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.24	
07 72 13 00-0197 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	896.22	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.59	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	145.21	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-45.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	29.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.56	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0198 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	966.63	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	62.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.06	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	136.86	
07 72 13 00-0199 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	955.96	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	61.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	157.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-70.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	52.75	
07 72 13 00-0200 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	981.56	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	64.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	162.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	122.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.98	
07 72 13 00-0201 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,095.61	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	71.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	181.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	138.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	181.35	
07 72 13 00-0202 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	964.50	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	62.41	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	158.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,110.54	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	73.24	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	184.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,261.81	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	80.80	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	206.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,061.47	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	174.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	177.72	
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,169.10	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	75.31	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	192.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-128.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-23.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.35	
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,306.61	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	85.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	215.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	250.26	
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	809.92	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	131.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-30.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.24	
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	904.76	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	56.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	146.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-45.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	29.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.56	
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	985.83	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	64.55	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	163.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.06	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	136.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,002.90 66.25 166.54 19.84 122.25 149.98	272.29
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,119.08 74.09 186.00 25.60 138.68 181.35	302.55
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	983.70 64.33 162.70 -73.72 20.15 43.62	272.29
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,131.88 75.37 188.56 -105.10 -30.43 42.09	302.55
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,287.41 83.36 212.10 32.96 152.44 205.78	363.07
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,186.17 77.02 195.63 -128.31 -23.77 42.35	332.81
07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	794.98 49.24 128.74 -30.03 14.77 38.24	242.04
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	881.29 54.09 142.22 -45.05 29.62 44.56	272.29
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	949.56 60.92 155.88 19.52 124.06 136.86	272.29
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	934.63 59.43 152.89 -70.97 22.88 52.75	272.29
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	953.83 61.35 156.73 19.84 122.25 149.98	272.29
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,067.87 68.97 175.76 25.60 138.68 181.35	302.55
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	945.29 60.49 155.02 -73.72 20.15 43.62	272.29

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,084.94 70.68 179.17 -105.10 -30.43 42.09	302.55
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,236.21 78.24 201.86 32.96 152.44 205.78	363.07
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,048.67 67.05 171.92 26.24 96.65 177.72	302.55
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,147.77 73.18 187.95 -128.31 -23.77 42.35	332.81
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,285.28 83.15 211.67 39.04 143.58 250.26	363.07
07 72 13 00-0232			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0233	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	809.92 50.74 131.73 -30.03 14.77 38.24	242.04
07 72 13 00-0234	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	898.36 55.80 145.64 -45.05 29.62 44.56	272.29
07 72 13 00-0235	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	975.16 63.48 161.00 19.52 124.06 136.86	272.29
07 72 13 00-0236	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	960.23 61.99 158.01 -70.97 22.88 52.75	272.29
07 72 13 00-0237	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	987.96 64.76 163.56 19.84 122.25 149.98	272.29
07 72 13 00-0238	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,106.27 72.81 183.44 25.60 138.68 181.35	302.55
07 72 13 00-0239	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	975.16 63.48 161.00 -73.72 20.15 43.62	272.29
07 72 13 00-0240	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,121.21 74.30 186.42 -105.10 -30.43 42.09	302.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,276.75	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	82.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	209.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,076.40	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	69.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	177.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	177.72	
07 72 13 00-0243 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,179.77	332.81
For Sloped Roofs Up To 1 In 12 Pitch, Add	76.38	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-128.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-23.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.35	
07 72 13 00-0244 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,321.55	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	86.77	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	218.93	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	250.26	
07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0246 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	822.72	242.04
For Sloped Roofs Up To 1 In 12 Pitch, Add	52.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	134.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-30.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.24	
07 72 13 00-0247 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	915.42	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	57.51	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	149.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-45.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	29.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.56	
07 72 13 00-0248 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,000.76	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	66.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	166.12	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.06	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	136.86	
07 72 13 00-0249 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	979.43	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	63.91	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	161.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-70.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	52.75	
07 72 13 00-0250 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,013.57	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	67.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	168.68	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	122.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.98	
07 72 13 00-0251 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,134.01	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	75.58	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	188.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	138.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	181.35	
07 72 13 00-0252 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	994.36	272.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	65.40	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	164.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-73.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	43.62	
07 72 13 00-0253 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,144.68	302.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	76.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	191.12	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-105.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-30.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.09	
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,302.35	363.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	84.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	215.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.78	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0255	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,097.74	302.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	181.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.65	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	177.72	
07 72 13 00-0256	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,203.24	332.81
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	78.72	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	199.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-128.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-23.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.35	
07 72 13 00-0257	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,349.28	363.07
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	89.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	224.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	143.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.26	
07 72 13 00-0258			2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0259	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	848.32	242.04
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	54.58	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	139.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-30.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	38.24	
07 72 13 00-0260	EA		26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	928.23	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	58.79	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	151.61	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-45.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.62	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.56	
07 72 13 00-0261	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,019.97	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	169.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.06	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	136.86	
07 72 13 00-0262	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,034.90	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.45	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	172.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	122.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.98	
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,215.08	302.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.69	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	205.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	138.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	181.35	
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,056.24	272.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.59	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	177.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-73.72	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	20.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.62	
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,219.35	302.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	206.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-105.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-30.43	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.09	
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,387.69	363.07
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	93.39	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	232.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	152.44	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	205.78	
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,282.18	332.81
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	214.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-128.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-23.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.35	
07 72 23			Relief Vents <small>(07 72)</small>		
07 72 23 00-0001			Wind Driven Turbine Ventilators <small>(07 72 23)</small>		
			Note: Excludes curb or flange base.		
07 72 23 00-0002			Galvanized Steel, Wind Driven Turbine Ventilators <small>(07 72 23 00-0001)</small>		
07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	181.41	42.95
			<i>For Curb Or Flange Base, Add</i>	211.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0004 EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	216.84 232.89	47.56
07 72 23 00-0005 EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	235.73 261.50	56.76
07 72 23 00-0006 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	439.21 404.06	62.89
07 72 23 00-0007 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	600.36 438.92	70.56
07 72 23 00-0008 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	721.74 476.06	76.70
07 72 23 00-0009 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	918.74 578.85	85.90
07 72 23 00-0010 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,510.24 934.85	115.05
07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0012 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	173.14 215.40	42.95
07 72 23 00-0013 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	214.30 237.80	47.56
07 72 23 00-0014 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	241.16 266.24	56.76
07 72 23 00-0015 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	417.74 435.19	62.89
07 72 23 00-0016 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	535.86 466.87	70.56
07 72 23 00-0017 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	673.93 524.03	76.70
07 72 23 00-0018 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	904.99 629.49	85.90
07 72 23 00-0019 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,344.17 938.40	115.05
07 72 23 00-0020 Stationary Siphon Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0022 EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	155.05 211.33	42.95
07 72 23 00-0023 EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	201.77 232.89	47.56
07 72 23 00-0024 EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	223.37 261.50	56.76
07 72 23 00-0025 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	371.58 404.06	62.89
07 72 23 00-0026 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	429.19 438.92	70.56
07 72 23 00-0027 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	600.77 476.06	76.70
07 72 23 00-0028 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	778.54 578.85	85.90
07 72 23 00-0029 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,125.64 934.85	115.05
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	166.93 215.40	42.95
07 72 23 00-0032 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	218.01 237.80	47.56
07 72 23 00-0033 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	244.28 266.24	56.76
07 72 23 00-0034 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	388.51 435.19	62.89
07 72 23 00-0035 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	486.20 466.87	70.56
07 72 23 00-0036 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	593.21 524.03	76.70
07 72 23 00-0037 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	842.93 629.49	85.90
07 72 23 00-0038 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,264.84 938.40	115.05
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040 EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	349.86 168.58 264.70	69.03
07 72 23 00-0041 EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	427.76 184.44 289.72	76.70

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0042 EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	485.94 251.87 366.30	92.04
07 72 23 00-0043 EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	588.28 287.57 423.36	101.25
07 72 23 00-0044 EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,513.28 360.95 558.37	138.06
07 72 23 00-0045 EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,844.62 426.40 666.38	159.53
07 72 23 00-0046 EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,500.95 426.40 696.90	184.09
07 72 23 00-0047 EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	3,493.25 446.23 723.91	199.42
07 72 23 00-0048 EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	4,999.19 495.81 812.39	214.76
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050 EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	632.94	76.70
07 72 23 00-0051 EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	746.29	101.25
07 72 23 00-0052 EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,071.89	138.06
07 72 23 00-0053 EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,644.71	159.53
07 72 26 Ridge Vents (07 72)		
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	17.16	4.45
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	69.32	27.64
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	64.93	27.64
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	16.19	4.76
07 72 29 Rafter Vent (07 72)		
07 72 29 00-0001 Rafter Vent (07 72 29) Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002 EA 22" x 4' Rafter Vent.....	12.36	
07 72 29 00-0003 EA 14" x 4' Rafter Vent.....	11.29	
07 72 33 Roof Hatches (07 72) Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002 EA 2'-6" x 3'-0" Galvanized Steel Roof Hatch.....	1,343.32	185.96
07 72 33 00-0003 EA 2'-6" x 4'-6" Galvanized Steel Roof Hatch.....	1,943.34	206.62
07 72 33 00-0004 EA 2'-6" x 8'-0" Galvanized Steel Roof Hatch.....	3,396.59	281.79
07 72 33 00-0005 EA 3'-0" x 3'-0" Galvanized Steel Roof Hatch.....	1,910.38	206.62
07 72 33 00-0006 EA 4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	2,154.23	229.61
07 72 33 00-0007 EA 3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	3,508.70	313.16
07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009 EA 2'-6" x 3'-0" Aluminum Roof Hatch.....	1,363.09	185.96
07 72 33 00-0010 EA 2'-6" x 4'-6" Aluminum Roof Hatch.....	1,761.12	206.62
07 72 33 00-0011 EA 2'-6" x 8'-0" Aluminum Roof Hatch.....	3,172.72	281.79
07 72 33 00-0012 EA 3'-0" x 3'-0" Aluminum Roof Hatch.....	1,719.97	206.62
07 72 33 00-0013 EA 4'-0" x 4'-0" Aluminum Roof Hatch.....	3,026.95	229.61
07 72 33 00-0014 EA 3'-0" x 8'-0" Aluminum Roof Hatch.....	3,341.47	313.16
07 72 33 00-0015 EA 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight.....	1,919.91	206.62
07 72 33 00-0016 Steel, Plain, Primed (07 72 33)		
07 72 33 00-0017 EA 2'-6" x 3'-0" Plain Steel Roof Hatch Primed.....	1,291.38	185.96
07 72 33 00-0018 EA 2'-6" x 4'-6" Plain Steel Roof Hatch Primed.....	1,727.58	206.62
07 72 33 00-0019 EA 2'-6" x 8'-0" Plain Steel Roof Hatch Primed.....	2,366.14	281.79
07 72 33 00-0020 EA 3'-0" x 3'-0" Plain Steel Roof Hatch Primed.....	1,603.65	206.62
07 72 33 00-0021 EA 4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,956.35	229.61
07 72 33 00-0022 EA 3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,657.78	313.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0023 Stainless Steel <small>(07 72 33)</small>		
07 72 33 00-0024 EA 2'-6" x 3'-0" Stainless Steel Roof Hatch	2,983.34	185.96
07 72 33 00-0025 EA 2'-6" x 4'-6" Stainless Steel Roof Hatch	5,666.77	206.62
07 72 33 00-0026 EA 2'-6" x 8'-0" Stainless Steel Roof Hatch	8,513.38	281.79
07 72 33 00-0027 EA 3'-0" x 3'-0" Stainless Steel Roof Hatch	4,555.21	206.62
07 72 33 00-0028 EA 4'-0" x 4'-0" Stainless Steel Roof Hatch	9,572.84	229.61
07 72 33 00-0029 EA 3'-0" x 8'-0" Stainless Steel Roof Hatch	10,735.99	313.16
07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch <small>(07 72 33)</small>		
Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031 EA Removal And Reinstallation Of Roof Hatch (All Types)	571.98	
07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb <small>(07 72 33)</small>		
07 72 33 00-0033 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,322.15	206.62
07 72 33 00-0034 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,720.17	229.61
07 72 33 00-0035 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	3,066.27	313.03
07 72 33 00-0036 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,687.21	213.08
07 72 33 00-0037 EA Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,936.88	236.06
07 72 33 00-0038 Roof Hatch Accessories <small>(07 72 33)</small>		
07 72 33 00-0039 EA Enamel Steel, Roof Hatch Ladderup Safety Post	825.06	96.86
07 72 33 00-0040 Roof Hatch Safety Railing <small>(07 72 33)</small>		
Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041 EA 24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,091.17	
07 72 33 00-0042 EA 24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,171.66	
07 72 33 00-0043 EA 30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,224.52	
07 72 33 00-0044 EA 30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,418.02	
07 72 33 00-0045 EA 36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,641.66	
07 72 33 00-0046 EA 48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,363.01	
07 72 36 Smoke Vents <small>(07 72)</small>		
07 72 36 00-0001 Fire Vent <small>(07 72 36)</small>		
07 72 36 00-0002 Galvanized Steel Covers And Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0003 EA 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,345.36	172.27
07 72 36 00-0004 EA 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,857.80	236.84
07 72 36 00-0005 EA 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,394.70	258.41
07 72 36 00-0006 EA 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,483.33	271.32
07 72 36 00-0007 EA 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,183.67	236.84
07 72 36 00-0008 EA 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,512.78	258.41
07 72 36 00-0009 EA 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,822.09	279.97
07 72 36 00-0010 EA 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,626.14	301.54
07 72 36 00-0011 EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	8,211.86	322.97
07 72 36 00-0012 EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,515.36	279.97
07 72 36 00-0013 EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	11,548.93	344.55
07 72 36 00-0014 EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,366.80	366.11
07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0016 EA 4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,911.32	172.27
07 72 36 00-0017 EA 4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,343.92	236.84
07 72 36 00-0018 EA 4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,761.05	258.41
07 72 36 00-0019 EA 4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,895.06	271.32
07 72 36 00-0020 EA 5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,777.90	236.84
07 72 36 00-0021 EA 5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,817.35	258.41
07 72 36 00-0022 EA 5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	5,152.59	279.97
07 72 36 00-0023 EA 5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	5,021.10	301.54
07 72 36 00-0024 EA 5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	7,034.98	322.97
07 72 36 00-0025 EA 5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,865.99	279.97
07 72 36 00-0026 EA 5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	9,212.64	344.55
07 72 36 00-0027 EA 6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,790.42	366.11
07 72 36 00-0028 Aluminum Covers And Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0029 EA 4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,173.35	172.27
07 72 36 00-0030 EA 4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,777.90	236.84
07 72 36 00-0031 EA 4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,145.91	258.41
07 72 36 00-0032 EA 4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,386.36	271.32
07 72 36 00-0033 EA 5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,974.42	236.84
07 72 36 00-0034 EA 5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,022.06	258.41
07 72 36 00-0035 EA 5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,332.73	279.97
07 72 36 00-0036 EA 5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,512.40	301.54
07 72 36 00-0037 EA 5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,682.88	322.97

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0038 EA 5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	5,095.27	279.97
07 72 36 00-0039 EA 5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent.....	10,056.05	344.55
07 72 36 00-0040 EA 6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,281.73	366.11
07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb <small>(07 72 36)</small>		
07 72 36 00-0042 EA 4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	3,140.60	171.76
07 72 36 00-0043 EA 4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	3,982.60	236.84
07 72 36 00-0044 EA 4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	4,214.39	271.32
07 72 36 00-0045 EA 5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	4,514.86	236.84
07 72 36 00-0046 EA 5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	4,775.46	301.54
07 72 46 Roof Walkways <small>(07 72)</small>		
07 72 46 00-0001 Recycled Rubber Walkway Pads <small>(07 72 46)</small>		
07 72 46 00-0002 SF 3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	12.30	2.85
<i>For Diamond Surface, Add</i>	1.12	
07 72 46 00-0003 SF 1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	13.71	3.42
<i>For Diamond Surface, Add</i>	1.30	
07 72 46 00-0004 SF 3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	15.14	3.42
<i>For Diamond Surface, Add</i>	1.45	
07 72 53 Snow Guards <small>(07 72)</small>		
07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs <small>(07 72 53)</small>		
07 72 53 00-0002 EA 6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	24.44	2.93
07 72 53 00-0003 EA 6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	26.77	2.93
07 72 53 00-0004 EA 6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	25.23	2.93
07 72 53 00-0005 EA 6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	14.44	2.93
07 72 53 00-0006 Snow Guards For Metal Roofs <small>(07 72 53)</small>		
<i>Note: Aluminum construction.</i>		
07 72 53 00-0007 EA Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	28.96	5.48
07 72 53 00-0008 EA Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	32.13	5.48
07 72 53 00-0009 EA Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	47.12	5.48
07 72 53 00-0010 EA Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	46.45	5.48
07 72 53 00-0011 EA Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	43.78	6.40
07 72 53 00-0012 EA Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	47.76	6.40
07 72 53 00-0013 EA Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	59.49	6.40
07 72 53 00-0014 EA Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	25.31	4.80
<i>For Mechanically Fastened, Add</i>	9.60	
07 72 53 00-0015 EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	28.60	4.80
<i>For Mechanically Fastened, Add</i>	9.60	
07 72 53 00-0016 EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	39.78	4.80
<i>For Mechanically Fastened, Add</i>	9.60	
07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	15.66	4.80
<i>Note: Can be used for metal, rubber, PVC, TPO or glass roofing.</i>		
<i>For Mechanically Fastened, Add</i>	12.80	
07 72 53 00-0018 Snow Breaker For Roofs <small>(07 72 53)</small>		
07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	19.69	6.40
07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	18.57	6.40
07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	18.01	6.40
07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.34	6.40
07 72 53 00-0023 Ice Breaker For Vents <small>(07 72 53)</small>		
07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened.....	152.46	
07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	174.95	
07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs <small>(07 72 53)</small>		
07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps <small>(07 72 53 00-0026)</small>		
<i>Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.</i>		
07 72 53 00-0028 EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	73.99	19.20
07 72 53 00-0029 EA Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	87.71	19.20
07 72 53 00-0030 EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	98.66	19.20
07 72 53 00-0031 EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	122.22	19.20
07 72 53 00-0032 EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	126.35	23.04
07 72 53 00-0033 Tubing For Snow Guard Clamps <small>(07 72 53 00-0026)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0034 LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	15.45	4.60
Note: Includes end caps, collars and couplings.		
07 72 53 00-0035 LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	30.00	4.60
Note: Includes end caps, collars and couplings.		
07 72 56 Snow/Ice Melt Cable (07 72)		
07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002 LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	17.45	1.54
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003 LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	18.73	1.54
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004 EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	304.47	115.51
07 72 56 00-0005 EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	231.20	84.71
07 72 56 00-0006 EA Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	11.45	4.62
For >5, Deduct	-0.92	
07 72 56 00-0007 EA Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	10.71	4.62
For >5, Deduct	-0.85	
07 72 56 00-0008 EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	70.08	11.56
07 72 56 00-0009 EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	1,105.76	92.41
07 72 56 00-0010 EA Automatic Gutter Ice Melting Control.....	1,513.35	115.51
07 72 63 Waste Containment Assemblies (07 72)		
07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003 EA 48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	3,088.29	234.48
07 72 63 00-0004 EA 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,453.46	234.48
07 72 63 00-0005 EA 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,239.43	243.86
07 72 63 00-0006 EA 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	4,218.55	243.86
07 72 63 00-0007 EA 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,513.91	263.79
07 72 63 00-0008 EA 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,298.05	263.79
07 72 63 00-0009 EA 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	4,789.00	312.56
07 72 63 00-0010 EA 108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	7,058.62	390.77
07 72 63 00-0011 EA 120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	8,770.22	390.77
07 72 63 00-0012 EA 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	11,118.44	390.77
07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014 EA 48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,803.09	234.48
07 72 63 00-0015 EA 60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,277.97	234.48
07 72 63 00-0016 EA 60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,288.31	243.86
07 72 63 00-0017 EA 72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,382.26	243.86
07 72 63 00-0018 EA 72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	7,689.93	263.79
07 72 63 00-0019 EA 72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	8,436.15	263.79
07 72 63 00-0020 EA 90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	7,836.47	312.56
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	8,822.39	390.77
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	11,050.60	390.77
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	14,103.28	390.77
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63)		
Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0025)</small>		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	254.98	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	359.35	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	515.89	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	475.44	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	892.91	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	903.33	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	695.90	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	904.64	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,327.32	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,750.00	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	533.48	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	710.91	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	1,034.45	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	962.66	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,854.99	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,865.41	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	1,381.41	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,866.72	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	2,738.17	
07 72 63 00-0048 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	3,646.15	
07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0050 SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	663.94	
07 72 63 00-0051 SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	825.71	
07 72 63 00-0052 SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	1,211.85	
07 72 63 00-0053 SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	1,145.31	
07 72 63 00-0054 SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	2,235.92	
07 72 63 00-0055 SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	2,225.49	
07 72 63 00-0056 SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	1,621.47	
07 72 63 00-0057 SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	2,247.65	
07 72 63 00-0058 SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	3,155.63	
07 72 63 00-0059 SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	4,392.37	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
07 73 00 00-0003 SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.03	0.58
<i>For No Adhesive, Deduct</i>	-0.93	
07 73 00 00-0004 SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.55	0.64
<i>For No Adhesive, Deduct</i>	-0.95	
07 73 00 00-0005 SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.79	0.70
<i>For No Adhesive, Deduct</i>	-0.97	
07 73 00 00-0006 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.09	0.58
<i>For No Adhesive, Deduct</i>	-0.93	
07 73 00 00-0007 SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.64	0.64
<i>For No Adhesive, Deduct</i>	-0.95	
07 73 00 00-0008 SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.87	0.70
<i>For No Adhesive, Deduct</i>	-0.97	
07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
07 73 00 00-0010 SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	3.85	0.58
07 73 00 00-0011 SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.40	0.64
07 73 00 00-0012 SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.66	0.70
07 73 00 00-0013 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	3.91	0.58
07 73 00 00-0014 SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.48	0.64
07 73 00 00-0015 SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.75	0.70
07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
<i>Note: Mechanically fastened to wood or steel.</i>		
07 73 00 00-0017 SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	3.83	0.58
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.83	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 73 00 00-0018 SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.35	0.64
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.95	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 73 00 00-0019 SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.59	0.70
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.97	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.01	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.01	
07 73 00 00-0020 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	3.89	0.58
<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.83	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 73	Roof Protection Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0021	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.44	0.64
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.95	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	
07 73 00 00-0022	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.67	0.70
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.01	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.84	

07 76 Roof Pavers (07 70)**07 76 16 Roof Decking Pavers** (07 76)

07 76 16 00-0001			Roof Pavers <small>(07 76 16)</small> Note: For walkway application over roofing system.		
07 76 16 00-0002	SF		Up To 100 SF, 2" Concrete Roof Paver	12.72	7.41
			<i>For 1-1/2" Thickness, Deduct</i>	-1.27	
			<i>For 2-1/2" Thickness, Add</i>	1.42	
			<i>For 3" Thickness, Add</i>	2.85	
07 76 16 00-0003	SF		>100 To 200 SF, 2" Concrete Roof Paver	11.42	5.59
			<i>For 1-1/2" Thickness, Deduct</i>	-1.14	
			<i>For 2-1/2" Thickness, Add</i>	1.29	
			<i>For 3" Thickness, Add</i>	2.57	
07 76 16 00-0004	SF		>200 To 400 SF, 2" Concrete Roof Paver	10.69	4.45
			<i>For 1-1/2" Thickness, Deduct</i>	-1.07	
			<i>For 2-1/2" Thickness, Add</i>	1.20	
			<i>For 3" Thickness, Add</i>	2.41	
07 76 16 00-0005	SF		>400 To 1,000 SF, 2" Concrete Roof Paver	10.25	3.88
			<i>For 1-1/2" Thickness, Deduct</i>	-1.03	
			<i>For 2-1/2" Thickness, Add</i>	1.15	
			<i>For 3" Thickness, Add</i>	2.31	
07 76 16 00-0006	SF		>1,000 SF, 2" Concrete Roof Paver	9.69	3.53
			<i>For 1-1/2" Thickness, Deduct</i>	-0.97	
			<i>For 2-1/2" Thickness, Add</i>	1.09	
			<i>For 3" Thickness, Add</i>	2.18	
07 76 16 00-0007			Roof Paver Pedestal <small>(07 76 16)</small>		
07 76 16 00-0008	EA		2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	25.56	1.17
07 76 16 00-0009	EA		3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	26.72	1.17
07 76 16 00-0010	EA		4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	27.90	1.17
07 76 16 00-0011	EA		Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	14.25	1.17
07 76 16 00-0012	EA		Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator).....	12.55	1.17
07 76 16 00-0013	EA		5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	12.85	1.17
			Note: Stackable.		
07 76 16 00-0014	EA		1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	7.25	1.17
			Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA		Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	9.56	1.17
			Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001			Composite Insulation Concrete Protection Board <small>(07 76 19)</small> Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002	SF		2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	6.01	
			<i>For 20 Year Warranty, Deduct</i>	-0.36	
			<i>For 15 Year Warranty, Deduct</i>	-0.72	
			<i>For 10 Year Warranty, Deduct</i>	-0.98	
			<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003	SF		3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	7.86	
			<i>For 20 Year Warranty, Deduct</i>	-0.51	
			<i>For 15 Year Warranty, Deduct</i>	-1.03	
			<i>For 10 Year Warranty, Deduct</i>	-1.39	
			<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004	SF		2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	9.23	
			<i>For 20 Year Warranty, Deduct</i>	-0.59	
			<i>For 15 Year Warranty, Deduct</i>	-1.20	
			<i>For 10 Year Warranty, Deduct</i>	-1.62	
			<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 19 00-0005 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	11.16	
<i>For 20 Year Warranty, Deduct</i>	-0.75	
<i>For 15 Year Warranty, Deduct</i>	-1.50	
<i>For 10 Year Warranty, Deduct</i>	-2.03	
<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	

07 80 Fire and Smoke Protection ⁽⁰⁷⁾

07 81 Applied Fireproofing ^(07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing ^(07 81)

07 81 16 00-0001 Monokote Fireproofing ^(07 81 16)

07 81 16 00-0002 SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	2.24		0.76
07 81 16 00-0003 SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	3.09		1.14

07 81 16 00-0004 Gunitite Fireproofing ^(07 81 16)

07 81 16 00-0005 SF	1" Thick, Non-Reinforced, Gunitite Fireproofing	3.16		0.77
07 81 16 00-0006 SF	1" Thick, Reinforced, Gunitite Fireproofing	4.43		0.77

07 81 23 Intumescent Fireproofing ^(07 81)

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) ^(07 81 23)

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) ^(07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003 SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	17.37		
	<i>For >10,000, Deduct</i>	-1.67		
07 81 23 00-0004 SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	27.94		
	<i>For >10,000, Deduct</i>	-2.72		

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ^(07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006 SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.25		
	<i>For >10,000, Deduct</i>	-1.05		
07 81 23 00-0007 SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	25.02		
	<i>For >10,000, Deduct</i>	-2.42		
07 81 23 00-0008 SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	56.71		
	<i>For >10,000, Deduct</i>	-5.59		
07 81 23 00-0009 SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	78.09		
	<i>For >10,000, Deduct</i>	-7.72		
07 81 23 00-0010 SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	99.49		
	<i>For >10,000, Deduct</i>	-9.86		
07 81 23 00-0011 SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	120.91		
	<i>For >10,000, Deduct</i>	-11.99		

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) ^(07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013 SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	22.79		
	<i>For >10,000, Deduct</i>	-2.20		
07 81 23 00-0014 SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	42.42		
	<i>For >10,000, Deduct</i>	-4.16		
07 81 23 00-0015 SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	67.36		
	<i>For >10,000, Deduct</i>	-6.65		
07 81 23 00-0016 SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	94.09		
	<i>For >10,000, Deduct</i>	-9.32		
07 81 23 00-0017 SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	119.04		
	<i>For >10,000, Deduct</i>	-11.81		

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) ^(07 81 23)

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) ^(07 81 23 00-0018)

Note: Excludes primer.

07 81 23 00-0020 SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.03		
	<i>For >10,000, Deduct</i>	-1.05		
07 81 23 00-0021 SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	25.19		
	<i>For >10,000, Deduct</i>	-2.46		
07 81 23 00-0022 SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	57.80		
	<i>For >10,000, Deduct</i>	-5.72		

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0023 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	79.78	
<i>For >10,000, Deduct</i>	-7.91	
07 81 23 00-0024 SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	101.79	
<i>For >10,000, Deduct</i>	-10.11	
07 81 33 Mineral-Fiber Fireproofing (07 81)		
07 81 33 00-0001 Cellulose Fireproofing (07 81 33)		
07 81 33 00-0002 SF Cellulose Fireproofing, Per Inch Of Thickness	2.75	0.77
07 84 Firestopping (07 80)		
07 84 13 Penetration Firestopping (07 84)		
07 84 13 16 Penetration Firestopping Devices (07 84 13)		
07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)		
07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001) Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003 EA 1" Diameter Intumescent Firestop Sleeve (STI FS100)	70.46	
07 84 13 16-0004 EA 2" Diameter Intumescent Firestop Sleeve (STI FS201)	94.52	
07 84 13 16-0005 EA 4" Diameter Intumescent Firestop Sleeve (STI FS401)	153.05	
07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001) Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007 EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	128.12	
07 84 13 16-0008 EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	224.39	
07 84 13 16-0009 EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	410.40	
07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)		
07 84 13 16-0011 EA 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	289.24	
07 84 13 16-0012 EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	267.98	
07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	276.06	
07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)		
07 84 13 16-0015 EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	49.12	15.31
07 84 13 16-0016 EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	58.02	15.31
07 84 13 16-0017 EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	67.12	16.85
07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	102.30	19.14
07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	475.60	22.97
07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	612.76	25.27
07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16) Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022 EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	178.04	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023 EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	188.53	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024 EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	368.00	
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025 EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	234.64	
Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026 Intumescent Firestopping Wrap Strips (07 84 13 16)		
07 84 13 16-0027 LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	7.12	
07 84 13 19 Penetration Firestopping Caulk (07 84 13)		
07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) (07 84 13 19) Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002 EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.58	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.08	
07 84 13 19-0003 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.48	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.40	
07 84 13 19-0004 EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.22	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0005 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	30.80	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.13	
07 84 13 19-0006 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	36.45	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.86	
07 84 13 19-0007 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	36.19	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.76	
07 84 13 19-0008 EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	35.77	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.59	
07 84 13 19-0009 EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	35.11	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.33	
07 84 13 19-0010 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	34.55	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.10	
07 84 13 19-0011 EA 2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	44.26	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.45	
07 84 13 19-0012 EA 2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	44.01	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.35	
07 84 13 19-0013 EA 2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	43.57	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.18	
07 84 13 19-0014 EA 2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	42.91	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.91	
07 84 13 19-0015 EA 2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	42.36	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.69	
07 84 13 19-0016 EA 2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	41.03	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.16	
07 84 13 19-0017 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	60.57	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.91	
07 84 13 19-0018 EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	55.98	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.07	
07 84 13 19-0019 EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	55.55	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.90	
07 84 13 19-0020 EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	54.89	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.64	
07 84 13 19-0021 EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	54.33	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.41	
07 84 13 19-0022 EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	53.00	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.88	
07 84 13 19-0023 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	51.28	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.19	
07 84 13 19-0024 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	81.52	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.21	
07 84 13 19-0025 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	81.05	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.02	
07 84 13 19-0026 EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	80.29	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.72	
07 84 13 19-0027 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	79.10	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.24	
07 84 13 19-0028 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	78.09	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.84	
07 84 13 19-0029 EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	70.27	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.71	
07 84 13 19-0030 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	68.56	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.03	
07 84 13 19-0031 EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	65.95	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.98	
07 84 13 19-0032 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	130.50	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.64	
07 84 13 19-0033 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	130.03	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.45	
07 84 13 19-0034 EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	129.27	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.15	
07 84 13 19-0035 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	128.08	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.67	
07 84 13 19-0036 EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	127.08	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.27	
07 84 13 19-0037 EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	124.69	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.32	
07 84 13 19-0038 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	121.59	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.08	
07 84 13 19-0039 EA 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	116.90	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.20	
07 84 13 19-0040 EA 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	99.22	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.13	
07 84 13 19-0041 EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	173.63	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	26.28	
07 84 13 19-0042 EA 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	168.93	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	24.40	
07 84 13 19-0043 EA 8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	159.51	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	20.63	
07 84 13 19-0044 EA 8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	121.07	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.25	
07 84 13 19-0045 EA 10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	221.00	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	37.60	
07 84 13 19-0046 EA 10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	193.05	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	26.42	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 84 13 19-0047 EA 10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)143.70
For Intumescent Sealant For Plastic Pipe, Add 6.68

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.82
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.72
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.58
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.01
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.91
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.78
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.58
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.39
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.88
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.79
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.65
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.44
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.26
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	40.81
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.65
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.56
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.42
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.21
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.03
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	51.58
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	50.94
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.93
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.83
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.70
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.47
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.26
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.80
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.23
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	64.32
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.83
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.73
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.60
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.39
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.21
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	95.76
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	95.12
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	94.27
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	92.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0087 EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	120.47	
07 84 13 19-0088 EA 8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	119.61	
07 84 13 19-0089 EA 8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	117.75	
07 84 13 19-0090 EA 8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	112.48	
07 84 13 19-0091 EA 10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	144.92	
07 84 13 19-0092 EA 10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	139.65	
07 84 13 19-0093 EA 10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	132.68	

07 84 16 Annular Space Firestopping Protection (07 84)

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003 EA 1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	39.53	
07 84 16 00-0004 EA 2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	56.21	
07 84 16 00-0005 EA 3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	58.74	
07 84 16 00-0006 EA 4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	61.29	
07 84 16 00-0007 EA 5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	63.82	
07 84 16 00-0008 EA 6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	80.51	
07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010 EA Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	16.11	
07 84 16 00-0011 EA Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	16.71	
07 84 16 00-0012 EA Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	15.60	
07 84 16 00-0013 EA Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	16.75	
07 84 16 00-0014 EA Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	16.30	
07 84 16 00-0015 EA Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	15.68	
07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017 EA 2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	40.09	
07 84 16 00-0018 EA 2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	42.99	
07 84 16 00-0019 EA 3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	46.57	
07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021 EA 16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	367.56	
07 84 16 00-0022 EA 36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	516.24	
07 84 16 00-0023 EA 36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	697.04	
07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier (07 84 16)		
Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025 SF 0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	55.62	
07 84 16 00-0026 Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027 GAL Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	153.74	
07 84 16 00-0028 Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029 CF Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	183.02	

07 84 23 Silicone Firestopping Foams (07 84)

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings (07 84 23)		
Note: Includes 7" depth of silicone foam barrier and 1" depth backer board		
07 84 23 00-0002 EA 2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	47.78	
07 84 23 00-0003 EA 4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	103.66	
07 84 23 00-0004 EA 6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	184.53	
07 84 23 00-0005 EA 8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	274.34	
07 84 23 00-0006 EA 10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	389.00	
07 84 23 00-0007 EA 12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	525.40	

07 84 43 Joint Firestopping (07 84)

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)		
---	--	--

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0002 CLF 1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	442.95	114.29
For Up To 6 CLF, Add	24.65	
For >30 CLF, Deduct	-27.15	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	15.01	
07 84 43 00-0003 CLF 1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	493.03	114.29
For Up To 4 CLF, Add	28.41	
For >20 CLF, Deduct	-32.16	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	22.52	
07 84 43 00-0004 CLF 1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	555.77	118.10
For Up To 3 CLF, Add	32.79	
For >15 CLF, Deduct	-37.80	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	30.03	
07 84 43 00-0005 CLF 3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	580.80	118.10
For Up To 2.5 CLF, Add	34.67	
For >13 CLF, Deduct	-40.30	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	33.78	
07 84 43 00-0006 CLF 3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	655.87	118.10
For Up To 2 CLF, Add	40.30	
For >10 CLF, Deduct	-47.81	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	45.05	
07 84 43 00-0007 CLF 3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	730.95	118.10
For Up To 1.5 CLF, Add	45.93	
For >8 CLF, Deduct	-55.32	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	56.31	
07 84 43 00-0008 CLF 3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	818.73	123.18
For Up To 1.3 CLF, Add	52.20	
For >7 CLF, Deduct	-63.46	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	67.57	
07 84 43 00-0009 CLF 1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	768.67	123.18
For Up To 1.4 CLF, Add	48.44	
For >7.5 CLF, Deduct	-58.45	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	60.06	
07 84 43 00-0010 CLF 1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	881.48	126.99
For Up To 1.15 CLF, Add	56.59	
For >6 CLF, Deduct	-69.10	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	75.08	
07 84 43 00-0011 CLF 1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	981.58	126.99
For Up To 1 CLF, Add	64.09	
For >5 CLF, Deduct	-79.11	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	90.09	
07 84 43 00-0012 CLF 1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,094.37	130.79
For Up To 0.8 CLF, Add	72.24	
For >4.5 CLF, Deduct	-89.75	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	105.11	
07 84 43 00-0013 CLF 1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,207.17	135.87
For Up To 0.75 CLF, Add	80.38	
For >4 CLF, Deduct	-100.40	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	120.12	
07 84 43 00-0014 CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,319.98	139.69
For Up To 0.65 CLF, Add	88.52	
For >3.5 CLF, Deduct	-111.04	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	135.14	
07 84 43 00-0015 CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,658.37	152.39
For Up To 0.5 CLF, Add	112.95	
For >2.5 CLF, Deduct	-142.98	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	180.18	
07 84 43 00-0016 CLF 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,109.57	168.89
For Up To 0.4 CLF, Add	145.52	
For >2 CLF, Deduct	-185.56	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	240.24	
07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) ^{07 84}		
07 84 43 00-0018 CLF 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	456.89	114.29
For Up To 6 CLF, Add	25.70	
For >30 CLF, Deduct	-28.55	
07 84 43 00-0019 CLF 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	513.90	114.29
For Up To 4 CLF, Add	29.97	
For >20 CLF, Deduct	-34.25	
07 84 43 00-0020 CLF 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	583.61	118.10
For Up To 3 CLF, Add	34.88	
For >15 CLF, Deduct	-40.58	
07 84 43 00-0021 CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	612.11	118.10
For Up To 2.5 CLF, Add	37.02	
For >13 CLF, Deduct	-43.43	
07 84 43 00-0022 CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	697.63	118.10
For Up To 2 CLF, Add	43.43	
For >10 CLF, Deduct	-51.98	
07 84 43 00-0023 CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	783.14	118.10
For Up To 1.5 CLF, Add	49.85	
For >8 CLF, Deduct	-60.54	
07 84 43 00-0024 CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	881.35	123.18
For Up To 1.3 CLF, Add	56.89	
For >7 CLF, Deduct	-69.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0025 CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	824.35 52.62 -64.02	123.18
07 84 43 00-0026 CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	951.06 61.81 -76.06	126.99
07 84 43 00-0027 CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	1,065.08 70.36 -87.46	126.99
07 84 43 00-0028 CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	1,191.79 79.54 -99.50	130.79
07 84 43 00-0029 CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	1,318.51 88.73 -111.53	135.87
07 84 43 00-0030 CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	1,445.24 97.92 -123.57	139.69
07 84 43 00-0031 CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,825.39 125.48 -159.68	152.39
07 84 43 00-0032 CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	2,332.25 162.22 -207.83	168.89
07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) ^(07 84 43)		
07 84 43 00-0034 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	401.85 21.57 -23.04	114.29
07 84 43 00-0035 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	431.33 23.78 -25.99	114.29
07 84 43 00-0036 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	473.52 26.62 -29.57	118.10
07 84 43 00-0037 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	488.26 27.73 -31.05	118.10
07 84 43 00-0038 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	532.50 31.05 -35.47	118.10
07 84 43 00-0039 CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	576.73 34.37 -39.89	118.10
07 84 43 00-0040 CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	633.66 38.32 -44.95	123.18
07 84 43 00-0041 CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	604.17 36.11 -42.00	123.18
07 84 43 00-0042 CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	675.85 41.16 -48.54	126.99
07 84 43 00-0043 CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	734.82 45.59 -54.43	126.99
07 84 43 00-0044 CLF 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	806.49 50.65 -60.97	130.79
07 84 43 00-0045 CLF 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	878.16 55.70 -67.50	135.87
07 84 43 00-0046 CLF 3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	949.85 60.76 -74.03	139.69
07 84 43 00-0047 CLF 3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,164.86 75.94 -93.63	152.39

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0048	CLF		1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,451.55	168.89
			<i>For Up To 0.4 CLF, Add</i>	96.17	
			<i>For >2 CLF, Deduct</i>	-119.76	
07 84 56			Fire Safing (07 84)		
07 84 56 13			Fibrous Fire Safing (07 84 56)		
07 84 56 13-0001			Thermal Barrier Wrap (07 84 56 13)		
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF		1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	12.38	
			<i>For Work In Restricted Working Space, Add</i>	1.82	
07 84 56 13-0003	SF		1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	19.19	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.82	
07 84 56 13-0004	SF		2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	20.83	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.82	
07 84 56 13-0005			FireMaster Blanket Wrap Fireproofing (07 84 56 13)		
07 84 56 13-0006	SF		1/2" Thermal Ceramics FireMaster Blanket Wrap.....	20.93	12.35
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For >500 To 5,000, Deduct</i>	-1.84	
			<i>For >5,000, Deduct</i>	-3.28	
07 84 56 13-0007	SF		1" Thermal Ceramics FireMaster Blanket Wrap.....	24.57	12.35
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For >500 To 5,000, Deduct</i>	-2.67	
			<i>For >5,000, Deduct</i>	-4.63	
07 84 56 13-0008	SF		1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	28.56	12.35
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For >500 To 5,000, Deduct</i>	-3.59	
			<i>For >5,000, Deduct</i>	-6.10	
07 84 56 13-0009	SF		2" Thermal Ceramics FireMaster Blanket Wrap.....	32.55	12.35
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For >500 To 5,000, Deduct</i>	-4.51	
			<i>For >5,000, Deduct</i>	-7.58	
07 90 Joint Protection (07)					
07 91 Preformed Joint Seals (07 90)					
07 91 23 Backer Rods (07 91)					
07 91 23 00-0001			Backer Rods (07 91 23)		
07 91 23 00-0002	LF		1/4" Polyethylene Or Polyurethane Backer Rod.....	1.96	0.58
07 91 23 00-0003	LF		3/8" Polyethylene Or Polyurethane Backer Rod.....	2.11	0.58
07 91 23 00-0004	LF		1/2" Polyethylene Or Polyurethane Backer Rod.....	2.28	0.58
07 91 23 00-0005	LF		5/8" Polyethylene Or Polyurethane Backer Rod.....	2.50	0.58
07 91 23 00-0006	LF		3/4" Polyethylene Or Polyurethane Backer Rod.....	2.60	0.70
07 91 23 00-0007	LF		7/8" Polyethylene Or Polyurethane Backer Rod.....	2.81	0.70
07 91 23 00-0008	LF		1" Polyethylene Or Polyurethane Backer Rod.....	3.25	0.70
07 91 23 00-0009	LF		1-1/4" Polyethylene Or Polyurethane Backer Rod.....	3.70	0.82
07 91 23 00-0010	LF		1-1/2" Polyethylene Or Polyurethane Backer Rod.....	4.24	0.93
07 91 23 00-0011	LF		2" Polyethylene Or Polyurethane Backer Rod.....	5.33	1.05
07 91 23 00-0012	LF		3" Polyethylene Or Polyurethane Backer Rod.....	9.40	1.29
07 91 26 Joint Fillers (07 91)					
07 91 26 00-0001			Butyl Rubber Fillers (07 91 26)		
07 91 26 00-0002	LF		1/4" x 1/4" Butyl Rubber Filler.....	2.72	0.70
			<i>For Custom Match Coloring, Add</i>	0.05	
07 91 26 00-0003	LF		1/2" x 1/2" Butyl Rubber Filler.....	8.24	2.00
			<i>For Custom Match Coloring, Add</i>	0.21	
07 91 26 00-0004	LF		1/2" x 3/4" Butyl Rubber Filler.....	10.02	2.11
			<i>For Custom Match Coloring, Add</i>	0.32	
07 91 26 00-0005	LF		3/4" x 3/4" Butyl Rubber Filler.....	10.98	2.23
07 91 26 00-0006	LF		1" x 1" Butyl Rubber Filler.....	14.87	4.11
07 91 26 00-0007			Closed Cell Neoprene (07 91 26)		
07 91 26 00-0008	CLF		1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	466.27	135.30
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	743.42	195.44
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	596.46	167.54
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	683.41	175.86
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	1,043.19	270.59
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	1,190.18	293.11
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	1,065.27	213.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)		
07 91 26 00-0016 CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell	475.69	167.54
07 91 26 00-0017 CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell	799.95	270.59
07 91 26 00-0018 CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell	620.53	230.96
07 91 26 00-0019 CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell	743.07	243.86
07 91 26 00-0020 CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,131.65	374.00
07 91 26 00-0021 CLF 1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,321.03	405.89
07 91 26 00-0022 CLF 1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,743.48	486.55
07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)		
07 91 26 00-0024 CLF 1/4" x 1/2" Silicon RTV Foam Seal	158.20	26.85
07 91 26 00-0025 CLF 1/2" x 1/2" Silicon RTV Foam Seal	316.40	53.58
07 91 26 00-0026 CLF 1/2" x 3/4" Silicon RTV Foam Seal	471.58	79.61
07 91 26 00-0027 CLF 3/4" x 3/4" Silicon RTV Foam Seal	667.26	107.28
07 91 26 00-0028 CLF 1/8" x 1" Silicon RTV Foam Seal	158.20	26.85
07 91 26 00-0029 CLF 1/8" x 3" Silicon RTV Foam Seal	471.10	79.38
07 91 26 00-0030 CLF 1/4" x 3" Silicon RTV Foam Seal	810.24	119.23
07 91 26 00-0031 CLF 1/4" x 6" Silicon RTV Foam Seal	1,618.37	237.65
07 91 26 00-0032 CLF 1/2" x 6" Silicon RTV Foam Seal	3,075.24	428.99
07 91 26 00-0033 CLF 1/2" x 9" Silicon RTV Foam Seal	4,699.10	670.15
07 91 26 00-0034 CLF 1/2" x 12" Silicon RTV Foam Seal	6,879.20	1,072.29
07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036 LF 1/4" Seals O-Ring Cord, J-Seal	5.00	1.53
07 91 26 00-0037 LF 1/2" Seals O-Ring Cord, J-Seal	5.30	1.53
07 91 26 00-0038 LF 3/4" Seals O-Ring Cord, J-Seal	5.57	1.64
07 91 26 00-0039 LF 1" Seals O-Ring Cord, J-Seal	5.87	1.76
07 91 26 00-0040 LF 1-1/4" Seals O-Ring Cord, J-Seal	6.28	1.88
07 91 26 00-0041 LF 1-1/2" Seals O-Ring Cord, J-Seal	6.57	1.88
07 91 26 00-0042 LF 1-3/4" Seals O-Ring Cord, J-Seal	6.95	2.00
07 91 26 00-0043 LF 2" Seals O-Ring Cord, J-Seal	7.17	2.00
07 91 33 Expansion Joint Seal Systems (07 91)		
07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)		
07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	95.43	8.06
07 91 33 00-0004 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	127.82	8.44
07 91 33 00-0005 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	161.97	8.83
07 91 33 00-0006 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	199.98	9.21
07 91 33 00-0007 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	259.58	9.59
07 91 33 00-0008 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	298.23	9.97
07 91 33 00-0009 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	346.16	10.36
07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011 LF 0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	48.53	8.06
07 91 33 00-0012 LF 0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	53.02	8.17
07 91 33 00-0013 LF 0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	64.22	8.29
07 91 33 00-0014 LF 0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	68.17	8.44
07 91 33 00-0015 LF 1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	72.88	8.55
07 91 33 00-0016 LF 1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	89.46	8.67
07 91 33 00-0017 LF 1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	110.49	8.83
07 91 33 00-0018 LF 1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	130.78	9.21
07 91 33 00-0019 LF 1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	148.13	9.59

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Preformed Joint Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001) Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021 LF 0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	40.54	8.06
07 91 33 00-0022 LF 0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	52.83	8.44
07 91 33 00-0023 LF 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	64.92	8.83
07 91 33 00-0024 LF 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	68.58	9.02
07 91 33 00-0025 LF 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	76.13	9.21
07 91 33 00-0026 LF 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	109.46	9.59
07 91 33 00-0027 LF 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	150.70	9.97
07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001) Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	35.34	3.20
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	59.36	3.33
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	89.43	3.45
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	112.79	3.58
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	148.48	3.71
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	196.47	3.84
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	241.00	3.97
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	325.09	4.09
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	379.56	4.22
07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001) Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	34.47	3.20
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	45.53	3.33
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	61.13	3.45
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	82.98	3.58
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	94.69	3.71
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	131.45	3.84
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	176.63	3.97
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	190.72	4.09
07 92 Joint Sealants (07 90)		
07 92 13 Elastomeric Joint Sealants (07 92)		
07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)		
07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	398.68	114.29
For Custom Match Coloring, Add	13.39	
For Up To 6 CLF, Add	21.33	
For >30 CLF, Deduct	-22.72	
For 1 Part Mildew Resistant, Add	19.53	
For High-Modulus Non-Acid Curing, Add	11.16	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	426.59	114.29
For Custom Match Coloring, Add	20.09	
For Up To 4 CLF, Add	23.42	
For >20 CLF, Deduct	-25.52	
For 1 Part Mildew Resistant, Add	29.30	
For High-Modulus Non-Acid Curing, Add	16.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking	467.19	118.10
For Custom Match Coloring, Add	26.79	
For Up To 3 CLF, Add	26.15	
For >15 CLF, Deduct	-28.94	
For 1 Part Mildew Resistant, Add	39.07	
For High-Modulus Non-Acid Curing, Add	22.32	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking	481.14	118.10
For Custom Match Coloring, Add	30.14	
For Up To 2.5 CLF, Add	27.20	
For >13 CLF, Deduct	-30.34	
For 1 Part Mildew Resistant, Add	43.95	
For High-Modulus Non-Acid Curing, Add	25.11	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking	523.00	118.10
For Custom Match Coloring, Add	40.18	
For Up To 2 CLF, Add	30.34	
For >10 CLF, Deduct	-34.52	
For 1 Part Mildew Resistant, Add	58.60	
For High-Modulus Non-Acid Curing, Add	33.49	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking	564.86	118.10
For Custom Match Coloring, Add	50.23	
For Up To 1.5 CLF, Add	33.48	
For >8 CLF, Deduct	-38.71	
For 1 Part Mildew Resistant, Add	73.25	
For High-Modulus Non-Acid Curing, Add	41.86	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking	619.42	123.18
For Custom Match Coloring, Add	60.28	
For Up To 1.3 CLF, Add	37.25	
For >7 CLF, Deduct	-43.53	
For 1 Part Mildew Resistant, Add	87.90	
For High-Modulus Non-Acid Curing, Add	50.23	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking	591.51	123.18
For Custom Match Coloring, Add	53.58	
For Up To 1.4 CLF, Add	35.16	
For >7.5 CLF, Deduct	-40.74	
For 1 Part Mildew Resistant, Add	78.13	
For High-Modulus Non-Acid Curing, Add	44.65	
07 92 13 00-0010 CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking	660.02	126.99
For Custom Match Coloring, Add	66.97	
For Up To 1.15 CLF, Add	39.98	
For >6 CLF, Deduct	-46.95	
For 1 Part Mildew Resistant, Add	97.67	
For High-Modulus Non-Acid Curing, Add	55.81	
07 92 13 00-0011 CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking	715.83	126.99
For Custom Match Coloring, Add	80.37	
For Up To 1 CLF, Add	44.16	
For >5 CLF, Deduct	-52.53	
For 1 Part Mildew Resistant, Add	117.20	
For High-Modulus Non-Acid Curing, Add	66.97	
07 92 13 00-0012 CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking	784.33	130.79
For Custom Match Coloring, Add	93.76	
For Up To 0.8 CLF, Add	48.98	
For >4.5 CLF, Deduct	-58.75	
For 1 Part Mildew Resistant, Add	136.73	
For High-Modulus Non-Acid Curing, Add	78.13	
07 92 13 00-0013 CLF 1/2" x 1" Joint, Silicone Sealant And Caulking	852.84	135.87
For Custom Match Coloring, Add	107.16	
For Up To 0.75 CLF, Add	53.80	
For >4 CLF, Deduct	-64.97	
For 1 Part Mildew Resistant, Add	156.27	
For High-Modulus Non-Acid Curing, Add	89.30	
07 92 13 00-0014 CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking	921.36	139.69
For Custom Match Coloring, Add	120.55	
For Up To 0.65 CLF, Add	58.63	
For >3.5 CLF, Deduct	-71.18	
For 1 Part Mildew Resistant, Add	175.80	
For High-Modulus Non-Acid Curing, Add	100.46	
07 92 13 00-0015 CLF 3/4" x 1" Joint, Silicone Sealant And Caulking	1,126.88	152.39
For Custom Match Coloring, Add	160.73	
For Up To 0.5 CLF, Add	73.09	
For >2.5 CLF, Deduct	-89.83	
For 1 Part Mildew Resistant, Add	234.40	
For High-Modulus Non-Acid Curing, Add	133.94	
07 92 13 00-0016 CLF 1" x 1" Joint, Silicone Sealant And Caulking	1,400.91	168.89
For Custom Match Coloring, Add	214.31	
For Up To 0.4 CLF, Add	92.37	
For >2 CLF, Deduct	-114.69	
For 1 Part Mildew Resistant, Add	312.54	
For High-Modulus Non-Acid Curing, Add	178.59	
 07 92 13 00-0017 Acrylic/Latex Sealant And Caulking (07 92 13)		
07 92 13 00-0018 CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	362.45	114.29
For Up To 6 CLF, Add	18.61	
For >30 CLF, Deduct	-19.10	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0019	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	372.24	114.29
			<i>For Up To 4 CLF, Add</i>	19.35	
			<i>For >20 CLF, Deduct</i>	-20.08	
07 92 13 00-0020	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	394.73	118.10
			<i>For Up To 3 CLF, Add</i>	20.72	
			<i>For >15 CLF, Deduct</i>	-21.69	
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	399.62	118.10
			<i>For Up To 2.5 CLF, Add</i>	21.08	
			<i>For >13 CLF, Deduct</i>	-22.18	
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	414.31	118.10
			<i>For Up To 2 CLF, Add</i>	22.18	
			<i>For >10 CLF, Deduct</i>	-23.65	
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	428.99	118.10
			<i>For Up To 1.5 CLF, Add</i>	23.29	
			<i>For >8 CLF, Deduct</i>	-25.12	
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	456.38	123.18
			<i>For Up To 1.3 CLF, Add</i>	25.02	
			<i>For >7 CLF, Deduct</i>	-27.22	
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	446.59	123.18
			<i>For Up To 1.4 CLF, Add</i>	24.29	
			<i>For >7.5 CLF, Deduct</i>	-26.25	
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	478.87	126.99
			<i>For Up To 1.15 CLF, Add</i>	26.39	
			<i>For >6 CLF, Deduct</i>	-28.84	
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	498.45	126.99
			<i>For Up To 1 CLF, Add</i>	27.86	
			<i>For >5 CLF, Deduct</i>	-30.80	
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	530.72	130.79
			<i>For Up To 0.8 CLF, Add</i>	29.96	
			<i>For >4.5 CLF, Deduct</i>	-33.39	
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	563.00	135.87
			<i>For Up To 0.75 CLF, Add</i>	32.07	
			<i>For >4 CLF, Deduct</i>	-35.98	
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	595.29	139.69
			<i>For Up To 0.65 CLF, Add</i>	34.17	
			<i>For >3.5 CLF, Deduct</i>	-38.58	
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	692.12	152.39
			<i>For Up To 0.5 CLF, Add</i>	40.48	
			<i>For >2.5 CLF, Deduct</i>	-46.35	
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking	821.23	168.89
			<i>For Up To 0.4 CLF, Add</i>	48.89	
			<i>For >2 CLF, Deduct</i>	-56.73	
07 92 13 00-0033			Polyurethane Sealant And Caulking (07 92 13)		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking.....	385.67	114.29
			<i>For Up To 6 CLF, Add</i>	20.35	
			<i>For >30 CLF, Deduct</i>	-21.42	
07 92 13 00-0035	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking.....	407.08	114.29
			<i>For Up To 4 CLF, Add</i>	21.96	
			<i>For >20 CLF, Deduct</i>	-23.56	
07 92 13 00-0036	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking.....	441.18	118.10
			<i>For Up To 3 CLF, Add</i>	24.20	
			<i>For >15 CLF, Deduct</i>	-26.34	
07 92 13 00-0037	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking.....	451.88	118.10
			<i>For Up To 2.5 CLF, Add</i>	25.00	
			<i>For >13 CLF, Deduct</i>	-27.41	
07 92 13 00-0038	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking.....	483.98	118.10
			<i>For Up To 2 CLF, Add</i>	27.41	
			<i>For >10 CLF, Deduct</i>	-30.62	
07 92 13 00-0039	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking.....	516.09	118.10
			<i>For Up To 1.5 CLF, Add</i>	29.82	
			<i>For >8 CLF, Deduct</i>	-33.83	
07 92 13 00-0040	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking.....	560.89	123.18
			<i>For Up To 1.3 CLF, Add</i>	32.86	
			<i>For >7 CLF, Deduct</i>	-37.68	
07 92 13 00-0041	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking.....	539.49	123.18
			<i>For Up To 1.4 CLF, Add</i>	31.26	
			<i>For >7.5 CLF, Deduct</i>	-35.54	
07 92 13 00-0042	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking.....	594.99	126.99
			<i>For Up To 1.15 CLF, Add</i>	35.10	
			<i>For >6 CLF, Deduct</i>	-40.45	
07 92 13 00-0043	CLF		1/2" x 3/4" Joint, Polyurethane Sealant And Caulking.....	637.80	126.99
			<i>For Up To 1 CLF, Add</i>	38.31	
			<i>For >5 CLF, Deduct</i>	-44.73	
07 92 13 00-0044	CLF		1/2" x 7/8" Joint, Polyurethane Sealant And Caulking.....	693.29	130.79
			<i>For Up To 0.8 CLF, Add</i>	42.16	
			<i>For >4.5 CLF, Deduct</i>	-49.65	
07 92 13 00-0045	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking.....	748.80	135.87
			<i>For Up To 0.75 CLF, Add</i>	46.00	
			<i>For >4 CLF, Deduct</i>	-54.56	
07 92 13 00-0046	CLF		3/4" x 3/4" Joint, Polyurethane Sealant And Caulking.....	804.31	139.69
			<i>For Up To 0.65 CLF, Add</i>	49.85	
			<i>For >3.5 CLF, Deduct</i>	-59.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0047 CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	970.81 61.38 -74.22	152.39
07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0049 CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	389.74 20.66 -21.83	114.29
07 92 13 00-0050 CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	413.19 22.42 -24.18	114.29
07 92 13 00-0051 CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	449.32 24.81 -27.15	118.10
07 92 13 00-0052 CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	461.04 25.69 -28.33	118.10
07 92 13 00-0053 CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	496.21 28.33 -31.84	118.10
07 92 13 00-0054 CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	531.36 30.96 -35.36	118.10
07 92 13 00-0055 CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	579.21 34.23 -39.51	123.18
07 92 13 00-0056 CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	555.78 32.48 -37.16	123.18
07 92 13 00-0057 CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	615.36 36.63 -42.49	126.99
07 92 13 00-0058 CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	662.23 40.14 -47.17	126.99
07 92 13 00-0059 CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	721.81 44.29 -52.50	130.79
07 92 13 00-0060 CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	781.37 48.44 -57.82	135.87
07 92 13 00-0061 CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	840.97 52.60 -63.14	139.69
07 92 13 00-0062 CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,019.68 65.05 -79.11	152.39
07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0064 CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	399.68 21.40 -22.82	114.29
07 92 13 00-0065 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	428.09 23.54 -25.67	114.29
07 92 13 00-0066 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	469.19 26.30 -29.14	118.10
07 92 13 00-0067 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	483.39 27.37 -30.56	118.10
07 92 13 00-0068 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	526.00 30.56 -34.82	118.10
07 92 13 00-0069 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	568.61 33.76 -39.08	118.10
07 92 13 00-0070 CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	623.92 37.59 -43.98	123.18
07 92 13 00-0071 CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	595.51 35.46 -41.14	123.18
07 92 13 00-0072 CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	665.02 40.35 -47.45	126.99
07 92 13 00-0073 CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	721.83 44.61 -53.13	126.99

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0074 CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	791.33	130.79
For Up To 0.8 CLF, Add	49.51	
For >4.5 CLF, Deduct	-59.45	
07 92 13 00-0075 CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	860.84	135.87
For Up To 0.75 CLF, Add	54.40	
For >4 CLF, Deduct	-65.77	
07 92 13 00-0076 CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	930.36	139.69
For Up To 0.65 CLF, Add	59.30	
For >3.5 CLF, Deduct	-72.08	
07 92 13 00-0077 CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,138.89	152.39
For Up To 0.5 CLF, Add	73.99	
For >2.5 CLF, Deduct	-91.03	
07 92 19 Acoustical Joint Sealants (07 92)		
07 92 19 00-0001 Acoustical Sealant (07 92 19)		
07 92 19 00-0002 CLF 1/4" x 1/4" Joint, Acoustical Sealant.....	393.61	114.29
For Custom Match Coloring, Add	12.18	
For Up To 6 CLF, Add	20.95	
For >30 CLF, Deduct	-22.22	
For 1 Part Mildew Resistant, Add	17.76	
For High-Modulus Non-Acid Curing, Add	10.15	
07 92 19 00-0003 CLF 1/4" x 3/8" Joint, Acoustical Sealant.....	412.88	114.29
For Custom Match Coloring, Add	16.80	
For Up To 4 CLF, Add	22.39	
For >20 CLF, Deduct	-24.14	
For 1 Part Mildew Resistant, Add	24.50	
For High-Modulus Non-Acid Curing, Add	14.00	
07 92 19 00-0004 CLF 1/4" x 1/2" Joint, Acoustical Sealant.....	436.93	118.10
For Custom Match Coloring, Add	19.53	
For Up To 3 CLF, Add	23.88	
For >15 CLF, Deduct	-25.91	
For 1 Part Mildew Resistant, Add	28.48	
For High-Modulus Non-Acid Curing, Add	16.27	
07 92 19 00-0005 CLF 3/8" x 3/8" Joint, Acoustical Sealant.....	468.46	118.10
For Custom Match Coloring, Add	27.09	
For Up To 2.5 CLF, Add	26.25	
For >13 CLF, Deduct	-29.07	
For 1 Part Mildew Resistant, Add	39.51	
For High-Modulus Non-Acid Curing, Add	22.58	
07 92 19 00-0006 CLF 3/8" x 1/2" Joint, Acoustical Sealant.....	501.24	118.10
For Custom Match Coloring, Add	34.96	
For Up To 2 CLF, Add	28.70	
For >10 CLF, Deduct	-32.35	
For 1 Part Mildew Resistant, Add	50.98	
For High-Modulus Non-Acid Curing, Add	29.13	
07 92 19 00-0007 CLF 1/2" x 1/2" Joint, Acoustical Sealant.....	573.53	123.18
For Custom Match Coloring, Add	49.26	
For Up To 1.4 CLF, Add	33.81	
For >7.5 CLF, Deduct	-38.94	
For 1 Part Mildew Resistant, Add	71.84	
For High-Modulus Non-Acid Curing, Add	41.05	
07 95 Expansion Control (07 90)		
07 95 13 Expansion Joint Cover Assemblies (07 95)		
Note: Includes necessary waterproofing mastics/caulking.		
07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)		
07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)		
07 95 13 13-0002 With 1" Space (07 95 13 13-0001)		
07 95 13 13-0003 LF 1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	75.28	6.77
07 95 13 13-0004 LF 1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	80.76	6.77
07 95 13 13-0005 LF 1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	96.08	6.77
07 95 13 13-0006 With 2" Space (07 95 13 13-0001)		
07 95 13 13-0007 LF 2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	101.02	6.77
07 95 13 13-0008 LF 2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	99.74	6.77
07 95 13 13-0009 LF 2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	132.23	6.77
07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)		
07 95 13 13-0011 With 1" Space (07 95 13 13-0010)		
07 95 13 13-0012 LF 1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	55.42	6.77
07 95 13 13-0013 LF 1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	67.66	6.77
07 95 13 13-0014 LF 1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	83.89	6.77
07 95 13 13-0015 With 2" Space (07 95 13 13-0010)		



Thermal And Moisture Protection	07
Joint Protection	07 90
Expansion Control	07 95

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0016 LF 2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	70.86	6.77
07 95 13 13-0017 LF 2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	77.14	6.77
07 95 13 13-0018 LF 2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	101.96	6.77
07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)		
07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)		
07 95 13 16-0002 Roof To Roof (07 95 13 16-0001)		
07 95 13 16-0003 LF 1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	102.84	4.51
07 95 13 16-0004 LF 2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	124.51	4.51
07 95 13 16-0005 LF 3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	139.43	4.51
07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)		
07 95 13 16-0007 LF 1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	75.79	4.51
07 95 13 16-0008 LF 2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	102.31	4.51
07 95 13 16-0009 Flat Wall To Wall (07 95 13 16-0001)		
07 95 13 16-0010 LF 1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	55.92	4.51
07 95 13 16-0011 LF 2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	71.83	4.51
07 95 13 16-0012 LF 3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	91.04	4.51
07 95 13 16-0013 Corner To Flat Wall (07 95 13 16-0001)		
07 95 13 16-0014 LF 1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	52.33	4.51
07 95 13 16-0015 LF 2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	62.94	4.51
07 95 13 16-0016 LF 3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	92.75	4.51

END OF SECTION 07

07	07	Thermal And Moisture Protection
	07 90	Joint Protection
	07 95	Expansion Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 Openings

08 01 Operation and Maintenance of Openings⁽⁰⁸⁾

08 01 10 Operation and Maintenance of Doors and Frames^(08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames^(08 01 10)

08 01 11 61 Metal Doors and Frames Repair^(08 01 11)

08 01 11 61-0001	EA	Hollow Metal Door Repair ^(08 01 11 61) Note: Repairs are based on holes or damage of less than 1/2 of a square foot.	
08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	21.13
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes	42.41
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	51.08

08 01 50 Operation and Maintenance of Windows^(08 01)

08 01 52 Operation and Maintenance of Wood Windows^(08 01 50)

08 01 52 61 Wood Window Repairs^(08 01 52)

08 01 52 61-0001	EA	Window Restoration And Replacement ^(08 01 52 61)	
08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	14.07
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	39.36
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	45.08
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	27.34
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	24.79
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	30.84
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	94.35
		Note: Channel, spiral or coil balance.	
		For Replacing Two Balances In One Window, Deduct	-35.06

08 01 80 Maintenance of Glazing^(08 01)

08 01 81 Maintenance of Glass Glazing^(08 01 80)

08 01 81 10 Maintenance of Glass Glazing^(08 01 81)

08 01 81 10-0001	LF	Glazing Compound Repair ^(08 01 81 10)	
08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing (For Glazing Compound Repair)	7.91

08 05 Common Work Results for Openings⁽⁰⁸⁾

08 05 13 Door Options and Modifications^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1)^(08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	145.76
		For 9/16" To 1-1/16" Glazing Pocket, Add	72.88
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	184.50
		For 9/16" To 1-1/16" Glazing Pocket, Add	92.25
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	214.02
		For 9/16" To 1-1/16" Glazing Pocket, Add	107.01
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	273.06
		For 9/16" To 1-1/16" Glazing Pocket, Add	136.53
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	354.25
		For 9/16" To 1-1/16" Glazing Pocket, Add	177.13
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	452.03
		For 9/16" To 1-1/16" Glazing Pocket, Add	226.02
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	479.71
		For 9/16" To 1-1/16" Glazing Pocket, Add	239.86
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	259.55
		For 9/16" To 1-1/16" Glazing Pocket, Add	66.26

08 Openings**08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0010	EA		For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	307.47	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	83.87	
08 05 13 00-0011	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	347.01	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	97.29	
08 05 13 00-0012	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	413.39	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	124.12	
08 05 13 00-0013	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	499.89	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	161.02	
08 05 13 00-0014	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	601.50	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	205.47	
08 05 13 00-0015	EA		For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	639.36	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	218.05	
08 05 13 00-0016			Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) <small>(08 05 13)</small>		
			Note: Factory primed or powder coated.		
08 05 13 00-0017	EA		For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	138.99	
08 05 13 00-0018	EA		For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	157.89	
08 05 13 00-0019	EA		For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	214.59	
08 05 13 00-0020	EA		For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	400.17	
08 05 13 00-0021	EA		For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	494.87	
08 05 13 00-0022	EA		For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	591.10	
08 05 13 00-0023	EA		For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	771.33	
08 05 13 00-0024	EA		For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	907.96	
			<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	108.96	
08 05 13 00-0025	EA		For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	234.27	
08 05 13 00-0026	EA		For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	262.70	
08 05 13 00-0027	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	328.92	
08 05 13 00-0028	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	524.03	
08 05 13 00-0029	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	628.26	
08 05 13 00-0030	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	734.02	
08 05 13 00-0031	EA		For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	923.77	
08 05 13 00-0032	EA		For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	1,066.75	
			<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	108.96	
08 05 13 00-0033			Fire Rated Fusible Link Louvers (Pemko LV-FL) <small>(08 05 13)</small>		
			Note: Factory primed or powder coated.		
08 05 13 00-0034	EA		For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	281.45	
08 05 13 00-0035	EA		For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	322.07	
08 05 13 00-0036	EA		For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	378.31	
08 05 13 00-0037	EA		For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	395.78	
08 05 13 00-0038	EA		For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	449.11	
08 05 13 00-0039	EA		For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	515.51	
08 05 13 00-0040			Door Hardware Preparation <small>(08 05 13)</small>		
08 05 13 00-0041	EA		Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....	95.24	
08 05 13 00-0042	EA		Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	234.92	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0043	EA		Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....	107.94	
08 05 13 00-0044	EA		Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware.....	190.49	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0045	EA		Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware.....	31.75	
08 05 13 00-0046	EA		Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	349.26	
			Note: Requires door to be taken off site for UL certification.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0047 EA Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	222.23	
08 05 13 00-0048 EA Prepare Existing Wood Door (Rated) For Electric Hardware.....	234.92	
Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0049 EA Prepare Existing Door (Non-Rated) For Electric Hardware	107.94	
08 05 13 00-0050 Door Modifications (08 05 13)		
08 05 13 00-0051 EA Factory Installed Sound Proofing (STC 28) In Metal Door.....	158.15	
08 05 13 00-0052 SF For 16 Gauge Steel Metal Plate Bolted On Door	31.23	
Note: Includes mounting hardware.		
08 05 13 00-0053 EA Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	114.33	
Note: Excludes removal and reinstallation of door.		
08 05 13 00-0054 EA Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	57.54	
Note: Excludes removal and reinstallation of door.		
08 05 13 00-0055 EA Modify Metal Door Frame For Door Swing	1,407.33	
Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0056 EA Removal And Reinstallation Of Door	107.98	
08 05 13 00-0057 EA Removal And Reinstallation Of Metal Door Frame	211.72	
08 05 13 00-0058 EA Removal And Reinstallation Of Wood Door Frame.....	127.87	
08 05 13 00-0059 EA Factory Trim Wood Door Edge For Custom Width	83.12	

08 10 Doors and Frames (08)

08 11 Metal Doors and Frames (08 10)

08 11 63 Metal Screen and Storm Doors and Frames (08 11)

08 11 63 13 Steel Screen and Storm Doors and Frames (08 11 63)

08 11 63 13-0001 Steel Screen Door (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 13-0002 EA 2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	1,107.33	174.68
08 11 63 13-0003 EA 3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware.....	1,120.08	181.03
08 11 63 13-0004 EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	1,359.34	181.03

08 11 63 23 Aluminum Screen and Storm Doors and Frames (08 11 63)

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,094.32	101.63
<i>For Special Finished, Add 100.83</i>		
08 11 63 23-0003 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware.....	1,150.99	101.63
08 11 63 23-0004 EA Aluminum Screen Door.....	327.42	63.49
08 11 63 23-0005 SF Repair Screen Door	9.72	

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link (08 11 73)

Note: 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002 EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,988.55	564.03
08 11 73 00-0003 EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	5,372.86	564.03
08 11 73 00-0004 EA 4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	6,021.00	564.03
08 11 73 00-0005 EA 5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	6,720.48	564.03

08 12 Metal Frames (08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 12 13 13-0003 EA 2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	487.37	95.28
<i>For Auxiliary Frame Reinforcement For Hinges, Add 44.52</i>		
<i>For Welded Frames, Add 173.02</i>		
<i>For Galvanized Frames, Add 35.62</i>		
<i>For Type 304 Stainless Steel Frame, Add 543.79</i>		
<i>For Type 316 Stainless Steel Frame, Add 632.83</i>		
<i>For Baked Enamel Finish, Add 117.63</i>		
<i>For 18 Gauge Frame, Deduct -29.68</i>		
<i>For 14 Gauge Frame, Add 74.20</i>		
<i>For 12 Gauge Frame, Add 112.79</i>		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0004	EA		2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	562.95	104.81
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.00	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	42.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	646.49	
			<i>For Type 316 Stainless Steel Frame, Add</i>	752.49	
			<i>For Baked Enamel Finish, Add</i>	137.44	
			<i>For 18 Gauge Frame, Deduct</i>	-35.33	
			<i>For 14 Gauge Frame, Add</i>	88.34	
			<i>For 12 Gauge Frame, Add</i>	134.27	
08 12 13 13-0005	EA		2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	581.32	111.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.85	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	43.08	
			<i>For Type 304 Stainless Steel Frame, Add</i>	657.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	765.02	
			<i>For Baked Enamel Finish, Add</i>	141.05	
			<i>For 18 Gauge Frame, Deduct</i>	-35.90	
			<i>For 14 Gauge Frame, Add</i>	89.75	
			<i>For 12 Gauge Frame, Add</i>	136.42	
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	600.37	120.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.85	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	43.08	
			<i>For Type 304 Stainless Steel Frame, Add</i>	658.27	
			<i>For Type 316 Stainless Steel Frame, Add</i>	765.97	
			<i>For Baked Enamel Finish, Add</i>	143.91	
			<i>For 18 Gauge Frame, Deduct</i>	-35.90	
			<i>For 14 Gauge Frame, Add</i>	89.75	
			<i>For 12 Gauge Frame, Add</i>	136.42	
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	612.37	123.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	54.70	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	43.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	668.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	778.15	
			<i>For Baked Enamel Finish, Add</i>	146.55	
			<i>For 18 Gauge Frame, Deduct</i>	-36.47	
			<i>For 14 Gauge Frame, Add</i>	91.16	
			<i>For 12 Gauge Frame, Add</i>	138.57	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	624.37	127.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.55	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	44.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	679.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	790.33	
			<i>For Baked Enamel Finish, Add</i>	149.20	
			<i>For 18 Gauge Frame, Deduct</i>	-37.03	
			<i>For 14 Gauge Frame, Add</i>	92.58	
			<i>For 12 Gauge Frame, Add</i>	140.71	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	662.52	133.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.36	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	47.49	
			<i>For Type 304 Stainless Steel Frame, Add</i>	725.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	844.39	
			<i>For Baked Enamel Finish, Add</i>	158.74	
			<i>For 18 Gauge Frame, Deduct</i>	-39.57	
			<i>For 14 Gauge Frame, Add</i>	98.94	
			<i>For 12 Gauge Frame, Add</i>	150.38	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	675.21	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.36	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	47.49	
			<i>For Type 304 Stainless Steel Frame, Add</i>	726.31	
			<i>For Type 316 Stainless Steel Frame, Add</i>	845.03	
			<i>For Baked Enamel Finish, Add</i>	160.64	
			<i>For 18 Gauge Frame, Deduct</i>	-39.57	
			<i>For 14 Gauge Frame, Add</i>	98.94	
			<i>For 12 Gauge Frame, Add</i>	150.38	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	702.06	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.48	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	49.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	752.39	
			<i>For Type 316 Stainless Steel Frame, Add</i>	875.36	
			<i>For Baked Enamel Finish, Add</i>	166.79	
			<i>For 18 Gauge Frame, Deduct</i>	-40.99	
			<i>For 14 Gauge Frame, Add</i>	102.47	
			<i>For 12 Gauge Frame, Add</i>	155.75	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012 EA 5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	728.90	152.44
For Auxiliary Frame Reinforcement For Hinges, Add	63.60	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	50.88	
For Type 304 Stainless Steel Frame, Add	778.46	
For Type 316 Stainless Steel Frame, Add	905.67	
For Baked Enamel Finish, Add	172.94	
For 18 Gauge Frame, Deduct	-42.40	
For 14 Gauge Frame, Add	106.00	
For 12 Gauge Frame, Add	161.12	
08 12 13 13-0013 EA 5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	741.59	158.79
For Auxiliary Frame Reinforcement For Hinges, Add	63.60	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	50.88	
For Type 304 Stainless Steel Frame, Add	779.10	
For Type 316 Stainless Steel Frame, Add	906.30	
For Baked Enamel Finish, Add	174.84	
For 18 Gauge Frame, Deduct	-42.40	
For 14 Gauge Frame, Add	106.00	
For 12 Gauge Frame, Add	161.12	
08 12 13 13-0014 EA 5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	755.02	161.97
For Auxiliary Frame Reinforcement For Hinges, Add	64.66	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	51.73	
For Type 304 Stainless Steel Frame, Add	792.14	
For Type 316 Stainless Steel Frame, Add	921.47	
For Baked Enamel Finish, Add	177.92	
For 18 Gauge Frame, Deduct	-43.11	
For 14 Gauge Frame, Add	107.77	
For 12 Gauge Frame, Add	163.81	
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	768.43	165.15
For Auxiliary Frame Reinforcement For Hinges, Add	65.72	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	52.58	
For Type 304 Stainless Steel Frame, Add	805.17	
For Type 316 Stainless Steel Frame, Add	936.61	
For Baked Enamel Finish, Add	180.99	
For 18 Gauge Frame, Deduct	-43.81	
For 14 Gauge Frame, Add	109.54	
For 12 Gauge Frame, Add	166.49	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	803.05	168.32
For Auxiliary Frame Reinforcement For Hinges, Add	69.96	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	55.97	
For Type 304 Stainless Steel Frame, Add	856.37	
For Type 316 Stainless Steel Frame, Add	996.29	
For Baked Enamel Finish, Add	190.42	
For 18 Gauge Frame, Deduct	-46.64	
For 14 Gauge Frame, Add	116.60	
For 12 Gauge Frame, Add	177.24	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	837.68	171.50
For Auxiliary Frame Reinforcement For Hinges, Add	74.20	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	59.36	
For Type 304 Stainless Steel Frame, Add	907.57	
For Type 316 Stainless Steel Frame, Add	1,055.98	
For Baked Enamel Finish, Add	199.85	
For 18 Gauge Frame, Deduct	-49.47	
For 14 Gauge Frame, Add	123.67	
For 12 Gauge Frame, Add	187.98	
08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow		
Metal Door Frames <small>(08 12 13 13-0001)</small>		
08 12 13 13-0019 EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	520.35	95.28
For Auxiliary Frame Reinforcement For Hinges, Add	49.47	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	39.57	
For Type 304 Stainless Steel Frame, Add	603.15	
For Type 316 Stainless Steel Frame, Add	702.09	
For Baked Enamel Finish, Add	127.52	
For 18 Gauge Frame, Deduct	-32.98	
For 14 Gauge Frame, Add	82.45	
For 12 Gauge Frame, Add	125.32	
08 12 13 13-0020 EA 2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	602.21	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	58.89	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	47.11	
For Type 304 Stainless Steel Frame, Add	717.16	
For Type 316 Stainless Steel Frame, Add	834.94	
For Baked Enamel Finish, Add	149.22	
For 18 Gauge Frame, Deduct	-39.26	
For 14 Gauge Frame, Add	98.15	
For 12 Gauge Frame, Add	149.19	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0021	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	621.20	111.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.83	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	47.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	729.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	848.76	
			<i>For Baked Enamel Finish, Add</i>	153.01	
			<i>For 18 Gauge Frame, Deduct</i>	-39.89	
			<i>For 14 Gauge Frame, Add</i>	99.72	
			<i>For 12 Gauge Frame, Add</i>	151.57	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	640.25	120.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.83	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	47.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	730.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	849.72	
			<i>For Baked Enamel Finish, Add</i>	155.87	
			<i>For 18 Gauge Frame, Deduct</i>	-39.89	
			<i>For 14 Gauge Frame, Add</i>	99.72	
			<i>For 12 Gauge Frame, Add</i>	151.57	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	652.89	123.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.78	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	48.62	
			<i>For Type 304 Stainless Steel Frame, Add</i>	741.69	
			<i>For Type 316 Stainless Steel Frame, Add</i>	863.24	
			<i>For Baked Enamel Finish, Add</i>	158.71	
			<i>For 18 Gauge Frame, Deduct</i>	-40.52	
			<i>For 14 Gauge Frame, Add</i>	101.29	
			<i>For 12 Gauge Frame, Add</i>	153.96	
08 12 13 13-0024	EA		3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	665.52	127.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.72	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	49.37	
			<i>For Type 304 Stainless Steel Frame, Add</i>	753.31	
			<i>For Type 316 Stainless Steel Frame, Add</i>	876.75	
			<i>For Baked Enamel Finish, Add</i>	161.55	
			<i>For 18 Gauge Frame, Deduct</i>	-41.15	
			<i>For 14 Gauge Frame, Add</i>	102.86	
			<i>For 12 Gauge Frame, Add</i>	156.35	
08 12 13 13-0025	EA		3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	706.49	133.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.96	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	52.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	804.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	936.73	
			<i>For Baked Enamel Finish, Add</i>	171.93	
			<i>For 18 Gauge Frame, Deduct</i>	-43.97	
			<i>For 14 Gauge Frame, Add</i>	109.93	
			<i>For 12 Gauge Frame, Add</i>	167.09	
08 12 13 13-0026	EA		3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	719.18	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.96	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	52.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	805.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	937.36	
			<i>For Baked Enamel Finish, Add</i>	173.83	
			<i>For 18 Gauge Frame, Deduct</i>	-43.97	
			<i>For 14 Gauge Frame, Add</i>	109.93	
			<i>For 12 Gauge Frame, Add</i>	167.09	
08 12 13 13-0027	EA		4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	747.60	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.31	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	54.65	
			<i>For Type 304 Stainless Steel Frame, Add</i>	834.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	970.99	
			<i>For Baked Enamel Finish, Add</i>	180.45	
			<i>For 18 Gauge Frame, Deduct</i>	-45.54	
			<i>For 14 Gauge Frame, Add</i>	113.86	
			<i>For 12 Gauge Frame, Add</i>	173.06	
08 12 13 13-0028	EA		5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	776.01	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.67	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	56.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	863.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,004.60	
			<i>For Baked Enamel Finish, Add</i>	187.07	
			<i>For 18 Gauge Frame, Deduct</i>	-47.11	
			<i>For 14 Gauge Frame, Add</i>	117.78	
			<i>For 12 Gauge Frame, Add</i>	179.03	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0029 EA 5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	788.70	158.79
For Auxiliary Frame Reinforcement For Hinges, Add	70.67	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	56.53	
For Type 304 Stainless Steel Frame, Add	863.90	
For Type 316 Stainless Steel Frame, Add	1,005.23	
For Baked Enamel Finish, Add	188.97	
For 18 Gauge Frame, Deduct	-47.11	
For 14 Gauge Frame, Add	117.78	
For 12 Gauge Frame, Add	179.03	
08 12 13 13-0030 EA 5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	802.92	161.97
For Auxiliary Frame Reinforcement For Hinges, Add	71.85	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	57.48	
For Type 304 Stainless Steel Frame, Add	878.36	
For Type 316 Stainless Steel Frame, Add	1,022.06	
For Baked Enamel Finish, Add	192.29	
For 18 Gauge Frame, Deduct	-47.90	
For 14 Gauge Frame, Add	119.75	
For 12 Gauge Frame, Add	182.01	
08 12 13 13-0031 EA 6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	817.12	165.15
For Auxiliary Frame Reinforcement For Hinges, Add	73.02	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	58.42	
For Type 304 Stainless Steel Frame, Add	892.81	
For Type 316 Stainless Steel Frame, Add	1,038.86	
For Baked Enamel Finish, Add	195.59	
For 18 Gauge Frame, Deduct	-48.68	
For 14 Gauge Frame, Add	121.71	
For 12 Gauge Frame, Add	185.00	
08 12 13 13-0032 EA 7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	854.88	168.32
For Auxiliary Frame Reinforcement For Hinges, Add	77.74	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	62.19	
For Type 304 Stainless Steel Frame, Add	949.66	
For Type 316 Stainless Steel Frame, Add	1,105.14	
For Baked Enamel Finish, Add	205.97	
For 18 Gauge Frame, Deduct	-51.82	
For 14 Gauge Frame, Add	129.56	
For 12 Gauge Frame, Add	196.93	
08 12 13 13-0033 EA 8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	892.64	171.50
For Auxiliary Frame Reinforcement For Hinges, Add	82.45	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	65.96	
For Type 304 Stainless Steel Frame, Add	1,006.50	
For Type 316 Stainless Steel Frame, Add	1,171.39	
For Baked Enamel Finish, Add	216.34	
For 18 Gauge Frame, Deduct	-54.96	
For 14 Gauge Frame, Add	137.41	
For 12 Gauge Frame, Add	208.86	
08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036 EA 2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	520.35	95.28
For Auxiliary Frame Reinforcement For Hinges, Add	49.47	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	39.57	
For Type 304 Stainless Steel Frame, Add	603.15	
For Type 316 Stainless Steel Frame, Add	702.09	
For Baked Enamel Finish, Add	127.52	
For 18 Gauge Frame, Deduct	-32.98	
For 14 Gauge Frame, Add	82.45	
For 12 Gauge Frame, Add	125.32	
08 12 13 13-0037 EA 2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	602.21	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	58.89	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	47.11	
For Type 304 Stainless Steel Frame, Add	717.16	
For Type 316 Stainless Steel Frame, Add	834.94	
For Baked Enamel Finish, Add	149.22	
For 18 Gauge Frame, Deduct	-39.26	
For 14 Gauge Frame, Add	98.15	
For 12 Gauge Frame, Add	149.19	
08 12 13 13-0038 EA 2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	621.20	111.15
For Auxiliary Frame Reinforcement For Hinges, Add	59.83	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	47.87	
For Type 304 Stainless Steel Frame, Add	729.10	
For Type 316 Stainless Steel Frame, Add	848.76	
For Baked Enamel Finish, Add	153.01	
For 18 Gauge Frame, Deduct	-39.89	
For 14 Gauge Frame, Add	99.72	
For 12 Gauge Frame, Add	151.57	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0039	EA		2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	640.25	120.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.83	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	47.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	730.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	849.72	
			<i>For Baked Enamel Finish, Add</i>	155.87	
			<i>For 18 Gauge Frame, Deduct</i>	-39.89	
			<i>For 14 Gauge Frame, Add</i>	99.72	
			<i>For 12 Gauge Frame, Add</i>	151.57	
08 12 13 13-0040	EA		2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	652.89	123.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.78	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	48.62	
			<i>For Type 304 Stainless Steel Frame, Add</i>	741.69	
			<i>For Type 316 Stainless Steel Frame, Add</i>	863.24	
			<i>For Baked Enamel Finish, Add</i>	158.71	
			<i>For 18 Gauge Frame, Deduct</i>	-40.52	
			<i>For 14 Gauge Frame, Add</i>	101.29	
			<i>For 12 Gauge Frame, Add</i>	153.96	
08 12 13 13-0041	EA		3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	665.52	127.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.72	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	49.37	
			<i>For Type 304 Stainless Steel Frame, Add</i>	753.31	
			<i>For Type 316 Stainless Steel Frame, Add</i>	876.75	
			<i>For Baked Enamel Finish, Add</i>	161.55	
			<i>For 18 Gauge Frame, Deduct</i>	-41.15	
			<i>For 14 Gauge Frame, Add</i>	102.86	
			<i>For 12 Gauge Frame, Add</i>	156.35	
08 12 13 13-0042	EA		3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	706.49	133.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.96	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	52.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	804.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	936.73	
			<i>For Baked Enamel Finish, Add</i>	171.93	
			<i>For 18 Gauge Frame, Deduct</i>	-43.97	
			<i>For 14 Gauge Frame, Add</i>	109.93	
			<i>For 12 Gauge Frame, Add</i>	167.09	
08 12 13 13-0043	EA		3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	719.18	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.96	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	52.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	805.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	937.36	
			<i>For Baked Enamel Finish, Add</i>	173.83	
			<i>For 18 Gauge Frame, Deduct</i>	-43.97	
			<i>For 14 Gauge Frame, Add</i>	109.93	
			<i>For 12 Gauge Frame, Add</i>	167.09	
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	747.60	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.31	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	54.65	
			<i>For Type 304 Stainless Steel Frame, Add</i>	834.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	970.99	
			<i>For Baked Enamel Finish, Add</i>	180.45	
			<i>For 18 Gauge Frame, Deduct</i>	-45.54	
			<i>For 14 Gauge Frame, Add</i>	113.86	
			<i>For 12 Gauge Frame, Add</i>	173.06	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	776.01	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.67	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	56.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	863.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,004.60	
			<i>For Baked Enamel Finish, Add</i>	187.07	
			<i>For 18 Gauge Frame, Deduct</i>	-47.11	
			<i>For 14 Gauge Frame, Add</i>	117.78	
			<i>For 12 Gauge Frame, Add</i>	179.03	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	788.70	158.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.67	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	56.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	863.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,005.23	
			<i>For Baked Enamel Finish, Add</i>	188.97	
			<i>For 18 Gauge Frame, Deduct</i>	-47.11	
			<i>For 14 Gauge Frame, Add</i>	117.78	
			<i>For 12 Gauge Frame, Add</i>	179.03	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0047 EA 5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	802.91	161.97
For Auxiliary Frame Reinforcement For Hinges, Add	71.85	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	57.48	
For Type 304 Stainless Steel Frame, Add	878.34	
For Type 316 Stainless Steel Frame, Add	1,022.03	
For Baked Enamel Finish, Add	192.28	
For 18 Gauge Frame, Deduct	-47.90	
For 14 Gauge Frame, Add	119.74	
For 12 Gauge Frame, Add	182.01	
08 12 13 13-0048 EA 6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	817.12	165.15
For Auxiliary Frame Reinforcement For Hinges, Add	73.02	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	58.42	
For Type 304 Stainless Steel Frame, Add	892.81	
For Type 316 Stainless Steel Frame, Add	1,038.86	
For Baked Enamel Finish, Add	195.59	
For 18 Gauge Frame, Deduct	-48.68	
For 14 Gauge Frame, Add	121.71	
For 12 Gauge Frame, Add	185.00	
08 12 13 13-0049 EA 7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	854.88	168.32
For Auxiliary Frame Reinforcement For Hinges, Add	77.74	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	62.19	
For Type 304 Stainless Steel Frame, Add	949.66	
For Type 316 Stainless Steel Frame, Add	1,105.14	
For Baked Enamel Finish, Add	205.97	
For 18 Gauge Frame, Deduct	-51.82	
For 14 Gauge Frame, Add	129.56	
For 12 Gauge Frame, Add	196.93	
08 12 13 13-0050 EA 8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	892.64	171.50
For Auxiliary Frame Reinforcement For Hinges, Add	82.45	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	65.96	
For Type 304 Stainless Steel Frame, Add	1,006.50	
For Type 316 Stainless Steel Frame, Add	1,171.39	
For Baked Enamel Finish, Add	216.34	
For 18 Gauge Frame, Deduct	-54.96	
For 14 Gauge Frame, Add	137.41	
For 12 Gauge Frame, Add	208.86	
08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	556.99	95.28
For Auxiliary Frame Reinforcement For Hinges, Add	54.96	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	43.97	
For Type 304 Stainless Steel Frame, Add	669.10	
For Type 316 Stainless Steel Frame, Add	779.03	
For Baked Enamel Finish, Add	138.51	
For 18 Gauge Frame, Deduct	-36.64	
For 14 Gauge Frame, Add	91.61	
For 12 Gauge Frame, Add	139.24	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	645.83	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	65.43	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	52.35	
For Type 304 Stainless Steel Frame, Add	795.68	
For Type 316 Stainless Steel Frame, Add	926.54	
For Baked Enamel Finish, Add	162.31	
For 18 Gauge Frame, Deduct	-43.62	
For 14 Gauge Frame, Add	109.06	
For 12 Gauge Frame, Add	165.76	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	665.52	111.15
For Auxiliary Frame Reinforcement For Hinges, Add	66.48	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	53.18	
For Type 304 Stainless Steel Frame, Add	808.88	
For Type 316 Stainless Steel Frame, Add	941.84	
For Baked Enamel Finish, Add	166.31	
For 18 Gauge Frame, Deduct	-44.32	
For 14 Gauge Frame, Add	110.80	
For 12 Gauge Frame, Add	168.42	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	684.57	120.68
For Auxiliary Frame Reinforcement For Hinges, Add	66.48	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	53.18	
For Type 304 Stainless Steel Frame, Add	809.83	
For Type 316 Stainless Steel Frame, Add	942.79	
For Baked Enamel Finish, Add	169.17	
For 18 Gauge Frame, Deduct	-44.32	
For 14 Gauge Frame, Add	110.80	
For 12 Gauge Frame, Add	168.42	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	697.90	123.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.53	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	54.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	822.71	
			<i>For Type 316 Stainless Steel Frame, Add</i>	957.76	
			<i>For Baked Enamel Finish, Add</i>	172.21	
			<i>For 18 Gauge Frame, Deduct</i>	-45.02	
			<i>For 14 Gauge Frame, Add</i>	112.55	
			<i>For 12 Gauge Frame, Add</i>	171.07	
08 12 13	13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	711.23	127.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.57	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	54.86	
			<i>For Type 304 Stainless Steel Frame, Add</i>	835.59	
			<i>For Type 316 Stainless Steel Frame, Add</i>	972.74	
			<i>For Baked Enamel Finish, Add</i>	175.26	
			<i>For 18 Gauge Frame, Deduct</i>	-45.72	
			<i>For 14 Gauge Frame, Add</i>	114.29	
			<i>For 12 Gauge Frame, Add</i>	173.72	
08 12 13	13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	755.35	133.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.29	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	58.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	892.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,039.34	
			<i>For Baked Enamel Finish, Add</i>	186.59	
			<i>For 18 Gauge Frame, Deduct</i>	-48.86	
			<i>For 14 Gauge Frame, Add</i>	122.14	
			<i>For 12 Gauge Frame, Add</i>	185.66	
08 12 13	13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	768.04	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.29	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	58.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	893.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,039.97	
			<i>For Baked Enamel Finish, Add</i>	188.49	
			<i>For 18 Gauge Frame, Deduct</i>	-48.86	
			<i>For 14 Gauge Frame, Add</i>	122.14	
			<i>For 12 Gauge Frame, Add</i>	185.66	
08 12 13	13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	798.20	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	75.90	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	60.72	
			<i>For Type 304 Stainless Steel Frame, Add</i>	925.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,077.25	
			<i>For Baked Enamel Finish, Add</i>	195.63	
			<i>For 18 Gauge Frame, Deduct</i>	-50.60	
			<i>For 14 Gauge Frame, Add</i>	126.51	
			<i>For 12 Gauge Frame, Add</i>	192.29	
08 12 13	13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	828.36	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.52	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	62.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	957.49	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,114.53	
			<i>For Baked Enamel Finish, Add</i>	202.77	
			<i>For 18 Gauge Frame, Deduct</i>	-52.35	
			<i>For 14 Gauge Frame, Add</i>	130.87	
			<i>For 12 Gauge Frame, Add</i>	198.92	
08 12 13	13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	841.05	158.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.52	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	62.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	958.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,115.17	
			<i>For Baked Enamel Finish, Add</i>	204.68	
			<i>For 18 Gauge Frame, Deduct</i>	-52.35	
			<i>For 14 Gauge Frame, Add</i>	130.87	
			<i>For 12 Gauge Frame, Add</i>	198.92	
08 12 13	13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	856.13	161.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	79.83	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	63.86	
			<i>For Type 304 Stainless Steel Frame, Add</i>	974.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,133.80	
			<i>For Baked Enamel Finish, Add</i>	208.25	
			<i>For 18 Gauge Frame, Deduct</i>	-53.22	
			<i>For 14 Gauge Frame, Add</i>	133.05	
			<i>For 12 Gauge Frame, Add</i>	202.23	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0064 EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	871.21	165.15
For Auxiliary Frame Reinforcement For Hinges, Add	81.14	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	64.91	
For Type 304 Stainless Steel Frame, Add	990.17	
For Type 316 Stainless Steel Frame, Add	1,152.45	
For Baked Enamel Finish, Add	211.82	
For 18 Gauge Frame, Deduct	-54.09	
For 14 Gauge Frame, Add	135.23	
For 12 Gauge Frame, Add	205.55	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	912.46	168.32
For Auxiliary Frame Reinforcement For Hinges, Add	86.37	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	69.10	
For Type 304 Stainless Steel Frame, Add	1,053.31	
For Type 316 Stainless Steel Frame, Add	1,226.05	
For Baked Enamel Finish, Add	223.24	
For 18 Gauge Frame, Deduct	-57.58	
For 14 Gauge Frame, Add	143.96	
For 12 Gauge Frame, Add	218.81	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	953.72	171.50
For Auxiliary Frame Reinforcement For Hinges, Add	91.61	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	73.29	
For Type 304 Stainless Steel Frame, Add	1,116.45	
For Type 316 Stainless Steel Frame, Add	1,299.66	
For Baked Enamel Finish, Add	234.67	
For 18 Gauge Frame, Deduct	-61.07	
For 14 Gauge Frame, Add	152.68	
For 12 Gauge Frame, Add	232.07	
08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	712.65	95.28
For Auxiliary Frame Reinforcement For Hinges, Add	78.31	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	62.65	
For Type 304 Stainless Steel Frame, Add	949.29	
For Type 316 Stainless Steel Frame, Add	1,105.92	
For Baked Enamel Finish, Add	185.21	
For 18 Gauge Frame, Deduct	-52.21	
For 14 Gauge Frame, Add	130.52	
For 12 Gauge Frame, Add	198.39	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	831.14	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	93.23	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	74.58	
For Type 304 Stainless Steel Frame, Add	1,129.23	
For Type 316 Stainless Steel Frame, Add	1,315.69	
For Baked Enamel Finish, Add	217.90	
For 18 Gauge Frame, Deduct	-62.15	
For 14 Gauge Frame, Add	155.38	
For 12 Gauge Frame, Add	236.18	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	853.80	111.15
For Auxiliary Frame Reinforcement For Hinges, Add	94.72	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	75.78	
For Type 304 Stainless Steel Frame, Add	1,147.78	
For Type 316 Stainless Steel Frame, Add	1,337.22	
For Baked Enamel Finish, Add	222.79	
For 18 Gauge Frame, Deduct	-63.15	
For 14 Gauge Frame, Add	157.87	
For 12 Gauge Frame, Add	239.96	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	872.85	120.68
For Auxiliary Frame Reinforcement For Hinges, Add	94.72	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	75.78	
For Type 304 Stainless Steel Frame, Add	1,148.73	
For Type 316 Stainless Steel Frame, Add	1,338.18	
For Baked Enamel Finish, Add	225.65	
For 18 Gauge Frame, Deduct	-63.15	
For 14 Gauge Frame, Add	157.87	
For 12 Gauge Frame, Add	239.96	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	889.14	123.86
For Auxiliary Frame Reinforcement For Hinges, Add	96.21	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	76.97	
For Type 304 Stainless Steel Frame, Add	1,166.94	
For Type 316 Stainless Steel Frame, Add	1,359.37	
For Baked Enamel Finish, Add	229.58	
For 18 Gauge Frame, Deduct	-64.14	
For 14 Gauge Frame, Add	160.36	
For 12 Gauge Frame, Add	243.74	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	905.44	127.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	97.71	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	78.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,185.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,380.58	
			<i>For Baked Enamel Finish, Add</i>	233.52	
			<i>For 18 Gauge Frame, Deduct</i>	-65.14	
			<i>For 14 Gauge Frame, Add</i>	162.84	
			<i>For 12 Gauge Frame, Add</i>	247.52	
08 12 13	13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	962.90	133.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	104.42	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	83.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,266.36	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,475.19	
			<i>For Baked Enamel Finish, Add</i>	248.85	
			<i>For 18 Gauge Frame, Deduct</i>	-69.61	
			<i>For 14 Gauge Frame, Add</i>	174.03	
			<i>For 12 Gauge Frame, Add</i>	264.53	
08 12 13	13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	975.59	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	104.42	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	83.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,266.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,475.83	
			<i>For Baked Enamel Finish, Add</i>	250.76	
			<i>For 18 Gauge Frame, Deduct</i>	-69.61	
			<i>For 14 Gauge Frame, Add</i>	174.03	
			<i>For 12 Gauge Frame, Add</i>	264.53	
08 12 13	13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,013.16	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	108.15	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	86.52	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,312.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,528.67	
			<i>For Baked Enamel Finish, Add</i>	260.12	
			<i>For 18 Gauge Frame, Deduct</i>	-72.10	
			<i>For 14 Gauge Frame, Add</i>	180.25	
			<i>For 12 Gauge Frame, Add</i>	273.97	
08 12 13	13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,050.73	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	111.88	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	89.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,357.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,581.51	
			<i>For Baked Enamel Finish, Add</i>	269.49	
			<i>For 18 Gauge Frame, Deduct</i>	-74.58	
			<i>For 14 Gauge Frame, Add</i>	186.46	
			<i>For 12 Gauge Frame, Add</i>	283.42	
08 12 13	13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,063.42	158.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	111.88	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	89.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,358.39	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,582.14	
			<i>For Baked Enamel Finish, Add</i>	271.39	
			<i>For 18 Gauge Frame, Deduct</i>	-74.58	
			<i>For 14 Gauge Frame, Add</i>	186.46	
			<i>For 12 Gauge Frame, Add</i>	283.42	
08 12 13	13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,082.21	161.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	113.74	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	90.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,381.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,608.56	
			<i>For Baked Enamel Finish, Add</i>	276.07	
			<i>For 18 Gauge Frame, Deduct</i>	-75.83	
			<i>For 14 Gauge Frame, Add</i>	189.57	
			<i>For 12 Gauge Frame, Add</i>	288.14	
08 12 13	13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,100.99	165.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	115.61	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	92.48	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,403.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,634.98	
			<i>For Baked Enamel Finish, Add</i>	280.75	
			<i>For 18 Gauge Frame, Deduct</i>	-77.07	
			<i>For 14 Gauge Frame, Add</i>	192.68	
			<i>For 12 Gauge Frame, Add</i>	292.87	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0082 EA 7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,157.06	168.32
For Auxiliary Frame Reinforcement For Hinges, Add	123.06	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	98.45	
For Type 304 Stainless Steel Frame, Add	1,493.59	
For Type 316 Stainless Steel Frame, Add	1,739.71	
For Baked Enamel Finish, Add	296.62	
For 18 Gauge Frame, Deduct	-82.04	
For 14 Gauge Frame, Add	205.11	
For 12 Gauge Frame, Add	311.76	
08 12 13 13-0083 EA 8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,213.15	171.50
For Auxiliary Frame Reinforcement For Hinges, Add	130.52	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	104.42	
For Type 304 Stainless Steel Frame, Add	1,583.42	
For Type 316 Stainless Steel Frame, Add	1,844.47	
For Baked Enamel Finish, Add	312.50	
For 18 Gauge Frame, Deduct	-87.02	
For 14 Gauge Frame, Add	217.54	
For 12 Gauge Frame, Add	330.66	
08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0085 EA 2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	770.66	95.28
For Auxiliary Frame Reinforcement For Hinges, Add	87.02	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	69.61	
For Type 304 Stainless Steel Frame, Add	1,053.71	
For Type 316 Stainless Steel Frame, Add	1,227.74	
For Baked Enamel Finish, Add	202.61	
For 18 Gauge Frame, Deduct	-58.01	
For 14 Gauge Frame, Add	145.03	
For 12 Gauge Frame, Add	220.44	
08 12 13 13-0086 EA 2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	900.20	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	103.59	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	82.87	
For Type 304 Stainless Steel Frame, Add	1,253.54	
For Type 316 Stainless Steel Frame, Add	1,460.72	
For Baked Enamel Finish, Add	238.62	
For 18 Gauge Frame, Deduct	-69.06	
For 14 Gauge Frame, Add	172.65	
For 12 Gauge Frame, Add	262.42	
08 12 13 13-0087 EA 2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	923.96	111.15
For Auxiliary Frame Reinforcement For Hinges, Add	105.25	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	84.20	
For Type 304 Stainless Steel Frame, Add	1,274.07	
For Type 316 Stainless Steel Frame, Add	1,484.56	
For Baked Enamel Finish, Add	243.84	
For 18 Gauge Frame, Deduct	-70.16	
For 14 Gauge Frame, Add	175.41	
For 12 Gauge Frame, Add	266.62	
08 12 13 13-0088 EA 2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	943.01	120.68
For Auxiliary Frame Reinforcement For Hinges, Add	105.25	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	84.20	
For Type 304 Stainless Steel Frame, Add	1,275.02	
For Type 316 Stainless Steel Frame, Add	1,485.51	
For Baked Enamel Finish, Add	246.70	
For 18 Gauge Frame, Deduct	-70.16	
For 14 Gauge Frame, Add	175.41	
For 12 Gauge Frame, Add	266.62	
08 12 13 13-0089 EA 2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	960.41	123.86
For Auxiliary Frame Reinforcement For Hinges, Add	106.90	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	85.52	
For Type 304 Stainless Steel Frame, Add	1,295.23	
For Type 316 Stainless Steel Frame, Add	1,509.04	
For Baked Enamel Finish, Add	250.97	
For 18 Gauge Frame, Deduct	-71.27	
For 14 Gauge Frame, Add	178.17	
For 12 Gauge Frame, Add	270.82	
08 12 13 13-0090 EA 3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	977.81	127.04
For Auxiliary Frame Reinforcement For Hinges, Add	108.56	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	86.85	
For Type 304 Stainless Steel Frame, Add	1,315.44	
For Type 316 Stainless Steel Frame, Add	1,532.56	
For Baked Enamel Finish, Add	255.23	
For 18 Gauge Frame, Deduct	-72.37	
For 14 Gauge Frame, Add	180.94	
For 12 Gauge Frame, Add	275.02	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0091	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,040.24	133.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	116.02	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	92.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,405.57	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,637.61	
			<i>For Baked Enamel Finish, Add</i>	272.06	
			<i>For 18 Gauge Frame, Deduct</i>	-77.35	
			<i>For 14 Gauge Frame, Add</i>	193.37	
			<i>For 12 Gauge Frame, Add</i>	293.91	
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,052.93	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	116.02	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	92.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,406.20	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,638.24	
			<i>For Baked Enamel Finish, Add</i>	273.96	
			<i>For 18 Gauge Frame, Deduct</i>	-77.35	
			<i>For 14 Gauge Frame, Add</i>	193.37	
			<i>For 12 Gauge Frame, Add</i>	293.91	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,093.27	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	120.16	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	96.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,456.57	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,696.90	
			<i>For Baked Enamel Finish, Add</i>	284.15	
			<i>For 18 Gauge Frame, Deduct</i>	-80.11	
			<i>For 14 Gauge Frame, Add</i>	200.27	
			<i>For 12 Gauge Frame, Add</i>	304.41	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,133.60	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	124.31	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	99.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,506.92	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,755.54	
			<i>For Baked Enamel Finish, Add</i>	294.35	
			<i>For 18 Gauge Frame, Deduct</i>	-82.87	
			<i>For 14 Gauge Frame, Add</i>	207.18	
			<i>For 12 Gauge Frame, Add</i>	314.91	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,146.29	158.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	124.31	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	99.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,507.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,756.17	
			<i>For Baked Enamel Finish, Add</i>	296.25	
			<i>For 18 Gauge Frame, Deduct</i>	-82.87	
			<i>For 14 Gauge Frame, Add</i>	207.18	
			<i>For 12 Gauge Frame, Add</i>	314.91	
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,166.46	161.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	126.38	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	101.10	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,532.73	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,785.49	
			<i>For Baked Enamel Finish, Add</i>	301.35	
			<i>For 18 Gauge Frame, Deduct</i>	-84.25	
			<i>For 14 Gauge Frame, Add</i>	210.63	
			<i>For 12 Gauge Frame, Add</i>	320.16	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,186.62	165.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	128.45	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	102.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,557.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,814.81	
			<i>For Baked Enamel Finish, Add</i>	306.44	
			<i>For 18 Gauge Frame, Deduct</i>	-85.63	
			<i>For 14 Gauge Frame, Add</i>	214.08	
			<i>For 12 Gauge Frame, Add</i>	325.41	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,248.21	168.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	136.74	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	109.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,657.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,931.13	
			<i>For Baked Enamel Finish, Add</i>	323.97	
			<i>For 18 Gauge Frame, Deduct</i>	-91.16	
			<i>For 14 Gauge Frame, Add</i>	227.89	
			<i>For 12 Gauge Frame, Add</i>	346.40	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0099 EA 8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,309.83	171.50
For Auxiliary Frame Reinforcement For Hinges, Add	145.02	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	116.02	
For Type 304 Stainless Steel Frame, Add	1,757.44	
For Type 316 Stainless Steel Frame, Add	2,047.49	
For Baked Enamel Finish, Add	341.50	
For 18 Gauge Frame, Deduct	-96.68	
For 14 Gauge Frame, Add	241.71	
For 12 Gauge Frame, Add	367.40	
 08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102 EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	751.80	95.28
For Auxiliary Frame Reinforcement For Hinges, Add	84.19	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	67.35	
For Type 304 Stainless Steel Frame, Add	1,019.76	
For Type 316 Stainless Steel Frame, Add	1,188.13	
For Baked Enamel Finish, Add	196.96	
For 18 Gauge Frame, Deduct	-56.12	
For 14 Gauge Frame, Add	140.31	
For 12 Gauge Frame, Add	213.27	
08 12 13 13-0103 EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	877.76	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	100.22	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	80.18	
For Type 304 Stainless Steel Frame, Add	1,213.15	
For Type 316 Stainless Steel Frame, Add	1,413.60	
For Baked Enamel Finish, Add	231.89	
For 18 Gauge Frame, Deduct	-66.82	
For 14 Gauge Frame, Add	167.04	
For 12 Gauge Frame, Add	253.90	
08 12 13 13-0104 EA 2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	901.16	111.15
For Auxiliary Frame Reinforcement For Hinges, Add	101.83	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	81.46	
For Type 304 Stainless Steel Frame, Add	1,233.03	
For Type 316 Stainless Steel Frame, Add	1,436.68	
For Baked Enamel Finish, Add	237.00	
For 18 Gauge Frame, Deduct	-67.88	
For 14 Gauge Frame, Add	169.71	
For 12 Gauge Frame, Add	257.96	
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	920.21	120.68
For Auxiliary Frame Reinforcement For Hinges, Add	101.83	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	81.46	
For Type 304 Stainless Steel Frame, Add	1,233.98	
For Type 316 Stainless Steel Frame, Add	1,437.63	
For Baked Enamel Finish, Add	239.86	
For 18 Gauge Frame, Deduct	-67.88	
For 14 Gauge Frame, Add	169.71	
For 12 Gauge Frame, Add	257.96	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	937.25	123.86
For Auxiliary Frame Reinforcement For Hinges, Add	103.43	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	82.74	
For Type 304 Stainless Steel Frame, Add	1,253.54	
For Type 316 Stainless Steel Frame, Add	1,460.40	
For Baked Enamel Finish, Add	244.02	
For 18 Gauge Frame, Deduct	-68.95	
For 14 Gauge Frame, Add	172.38	
For 12 Gauge Frame, Add	262.02	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	954.29	127.04
For Auxiliary Frame Reinforcement For Hinges, Add	105.03	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	84.03	
For Type 304 Stainless Steel Frame, Add	1,273.10	
For Type 316 Stainless Steel Frame, Add	1,483.17	
For Baked Enamel Finish, Add	248.18	
For 18 Gauge Frame, Deduct	-70.02	
For 14 Gauge Frame, Add	175.06	
For 12 Gauge Frame, Add	266.08	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,015.11	133.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	112.25	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	89.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,360.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,584.83	
			<i>For Baked Enamel Finish, Add</i>	264.52	
			<i>For 18 Gauge Frame, Deduct</i>	-74.83	
			<i>For 14 Gauge Frame, Add</i>	187.08	
			<i>For 12 Gauge Frame, Add</i>	284.37	
08 12 13	13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,027.80	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	112.25	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	89.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,360.97	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,585.47	
			<i>For Baked Enamel Finish, Add</i>	266.42	
			<i>For 18 Gauge Frame, Deduct</i>	-74.83	
			<i>For 14 Gauge Frame, Add</i>	187.08	
			<i>For 12 Gauge Frame, Add</i>	284.37	
08 12 13	13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,067.23	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	116.26	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	93.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,409.70	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,642.21	
			<i>For Baked Enamel Finish, Add</i>	276.34	
			<i>For 18 Gauge Frame, Deduct</i>	-77.51	
			<i>For 14 Gauge Frame, Add</i>	193.76	
			<i>For 12 Gauge Frame, Add</i>	294.52	
08 12 13	13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,106.67	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	120.27	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	96.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,458.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,698.98	
			<i>For Baked Enamel Finish, Add</i>	286.27	
			<i>For 18 Gauge Frame, Deduct</i>	-80.18	
			<i>For 14 Gauge Frame, Add</i>	200.45	
			<i>For 12 Gauge Frame, Add</i>	304.68	
08 12 13	13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,119.36	158.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	120.27	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	96.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,459.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,699.62	
			<i>For Baked Enamel Finish, Add</i>	288.17	
			<i>For 18 Gauge Frame, Deduct</i>	-80.18	
			<i>For 14 Gauge Frame, Add</i>	200.45	
			<i>For 12 Gauge Frame, Add</i>	304.68	
08 12 13	13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,139.08	161.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	122.27	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	97.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,483.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,727.99	
			<i>For Baked Enamel Finish, Add</i>	293.13	
			<i>For 18 Gauge Frame, Deduct</i>	-81.51	
			<i>For 14 Gauge Frame, Add</i>	203.79	
			<i>For 12 Gauge Frame, Add</i>	309.75	
08 12 13	13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,158.79	165.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	124.28	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	99.42	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,507.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,756.36	
			<i>For Baked Enamel Finish, Add</i>	298.09	
			<i>For 18 Gauge Frame, Deduct</i>	-82.85	
			<i>For 14 Gauge Frame, Add</i>	207.13	
			<i>For 12 Gauge Frame, Add</i>	314.83	
08 12 13	13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,218.59	168.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	132.29	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	105.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,604.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,868.93	
			<i>For Baked Enamel Finish, Add</i>	315.08	
			<i>For 18 Gauge Frame, Deduct</i>	-88.20	
			<i>For 14 Gauge Frame, Add</i>	220.49	
			<i>For 12 Gauge Frame, Add</i>	335.14	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,278.41 140.31 173.02 112.25 1,700.89 1,981.51 332.07 -93.54 233.85 355.46	171.50
08 12 13	13-0117		>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13	13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	814.16 93.54 173.02 74.83 1,132.01 1,319.09 215.66 -62.36 155.90 236.97	95.28
08 12 13	13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	952.00 111.36 173.02 89.09 1,346.78 1,569.50 254.16 -74.24 185.60 282.11	104.81
08 12 13	13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	976.58 113.14 173.02 90.51 1,368.78 1,595.06 259.63 -75.43 188.57 286.62	111.15
08 12 13	13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	995.63 113.14 173.02 90.51 1,369.74 1,596.01 262.48 -75.43 188.57 286.62	120.68
08 12 13	13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,013.86 114.92 173.02 91.94 1,391.44 1,621.28 267.00 -76.61 191.54 291.13	123.86
08 12 13	13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,032.09 116.70 173.02 93.36 1,413.14 1,646.55 271.52 -77.80 194.51 295.65	127.04
08 12 13	13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,098.25 124.72 173.02 99.78 1,509.99 1,759.43 289.46 -83.15 207.87 315.96	133.39

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,110.94	139.74
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	124.72	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	99.78	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,510.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,760.06	
			<i>For Baked Enamel Finish, Add</i>	291.36	
			<i>For 18 Gauge Frame, Deduct</i>	-83.15	
			<i>For 14 Gauge Frame, Add</i>	207.87	
			<i>For 12 Gauge Frame, Add</i>	315.96	
08 12 13	13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,153.35	146.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	129.18	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	103.34	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,564.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,823.07	
			<i>For Baked Enamel Finish, Add</i>	302.18	
			<i>For 18 Gauge Frame, Deduct</i>	-86.12	
			<i>For 14 Gauge Frame, Add</i>	215.29	
			<i>For 12 Gauge Frame, Add</i>	327.24	
08 12 13	13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,195.75	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	133.63	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	106.90	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,618.79	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,886.05	
			<i>For Baked Enamel Finish, Add</i>	312.99	
			<i>For 18 Gauge Frame, Deduct</i>	-89.09	
			<i>For 14 Gauge Frame, Add</i>	222.72	
			<i>For 12 Gauge Frame, Add</i>	338.53	
08 12 13	13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,208.44	158.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	133.63	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	106.90	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,619.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,886.69	
			<i>For Baked Enamel Finish, Add</i>	314.90	
			<i>For 18 Gauge Frame, Deduct</i>	-89.09	
			<i>For 14 Gauge Frame, Add</i>	222.72	
			<i>For 12 Gauge Frame, Add</i>	338.53	
08 12 13	13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,229.65	161.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	135.86	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	108.69	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,646.48	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,918.19	
			<i>For Baked Enamel Finish, Add</i>	320.30	
			<i>For 18 Gauge Frame, Deduct</i>	-90.57	
			<i>For 14 Gauge Frame, Add</i>	226.43	
			<i>For 12 Gauge Frame, Add</i>	344.17	
08 12 13	13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,250.85	165.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	138.08	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	110.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,673.52	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,949.69	
			<i>For Baked Enamel Finish, Add</i>	325.71	
			<i>For 18 Gauge Frame, Deduct</i>	-92.06	
			<i>For 14 Gauge Frame, Add</i>	230.14	
			<i>For 12 Gauge Frame, Add</i>	349.81	
08 12 13	13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,316.58	168.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	146.99	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	117.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,780.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,074.71	
			<i>For Baked Enamel Finish, Add</i>	344.48	
			<i>For 18 Gauge Frame, Deduct</i>	-97.99	
			<i>For 14 Gauge Frame, Add</i>	244.99	
			<i>For 12 Gauge Frame, Add</i>	372.38	
08 12 13	13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,382.34	171.50
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	155.90	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	124.72	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,887.96	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,199.76	
			<i>For Baked Enamel Finish, Add</i>	363.25	
			<i>For 18 Gauge Frame, Deduct</i>	-103.93	
			<i>For 14 Gauge Frame, Add</i>	259.84	
			<i>For 12 Gauge Frame, Add</i>	394.95	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door
Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	777.91	95.28
For Auxiliary Frame Reinforcement For Hinges, Add	88.10	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	70.48	
For Type 304 Stainless Steel Frame, Add	1,066.76	
For Type 316 Stainless Steel Frame, Add	1,242.96	
For Baked Enamel Finish, Add	204.79	
For 18 Gauge Frame, Deduct	-58.74	
For 14 Gauge Frame, Add	146.84	
For 12 Gauge Frame, Add	223.19	
08 12 13 13-0136 EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	908.83	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	104.88	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	83.91	
For Type 304 Stainless Steel Frame, Add	1,269.08	
For Type 316 Stainless Steel Frame, Add	1,478.84	
For Baked Enamel Finish, Add	241.21	
For 18 Gauge Frame, Deduct	-69.92	
For 14 Gauge Frame, Add	174.81	
For 12 Gauge Frame, Add	265.70	
08 12 13 13-0137 EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	932.73	111.15
For Auxiliary Frame Reinforcement For Hinges, Add	106.56	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	85.25	
For Type 304 Stainless Steel Frame, Add	1,289.85	
For Type 316 Stainless Steel Frame, Add	1,502.98	
For Baked Enamel Finish, Add	246.47	
For 18 Gauge Frame, Deduct	-71.04	
For 14 Gauge Frame, Add	177.60	
For 12 Gauge Frame, Add	269.96	
08 12 13 13-0138 EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	951.78	120.68
For Auxiliary Frame Reinforcement For Hinges, Add	106.56	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	85.25	
For Type 304 Stainless Steel Frame, Add	1,290.81	
For Type 316 Stainless Steel Frame, Add	1,503.93	
For Baked Enamel Finish, Add	249.33	
For 18 Gauge Frame, Deduct	-71.04	
For 14 Gauge Frame, Add	177.60	
For 12 Gauge Frame, Add	269.96	
08 12 13 13-0139 EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	969.32	123.86
For Auxiliary Frame Reinforcement For Hinges, Add	108.24	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	86.59	
For Type 304 Stainless Steel Frame, Add	1,311.27	
For Type 316 Stainless Steel Frame, Add	1,527.75	
For Baked Enamel Finish, Add	253.64	
For 18 Gauge Frame, Deduct	-72.16	
For 14 Gauge Frame, Add	180.40	
For 12 Gauge Frame, Add	274.21	
08 12 13 13-0140 EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	986.86	127.04
For Auxiliary Frame Reinforcement For Hinges, Add	109.92	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	87.93	
For Type 304 Stainless Steel Frame, Add	1,331.73	
For Type 316 Stainless Steel Frame, Add	1,551.56	
For Baked Enamel Finish, Add	257.95	
For 18 Gauge Frame, Deduct	-73.28	
For 14 Gauge Frame, Add	183.20	
For 12 Gauge Frame, Add	278.46	
08 12 13 13-0141 EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,049.91	133.39
For Auxiliary Frame Reinforcement For Hinges, Add	117.47	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	93.98	
For Type 304 Stainless Steel Frame, Add	1,422.97	
For Type 316 Stainless Steel Frame, Add	1,657.91	
For Baked Enamel Finish, Add	274.96	
For 18 Gauge Frame, Deduct	-78.31	
For 14 Gauge Frame, Add	195.78	
For 12 Gauge Frame, Add	297.59	
08 12 13 13-0142 EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,062.60	139.74
For Auxiliary Frame Reinforcement For Hinges, Add	117.47	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	93.98	
For Type 304 Stainless Steel Frame, Add	1,423.61	
For Type 316 Stainless Steel Frame, Add	1,658.55	
For Baked Enamel Finish, Add	276.86	
For 18 Gauge Frame, Deduct	-78.31	
For 14 Gauge Frame, Add	195.78	
For 12 Gauge Frame, Add	297.59	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,103.28	146.10
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	121.67	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	97.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,474.59	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,717.92	
		<i>For Baked Enamel Finish, Add</i>	287.16	
		<i>For 18 Gauge Frame, Deduct</i>	-81.11	
		<i>For 14 Gauge Frame, Add</i>	202.78	
		<i>For 12 Gauge Frame, Add</i>	308.22	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,143.96	152.44
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	125.86	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	100.69	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,525.57	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,777.29	
		<i>For Baked Enamel Finish, Add</i>	297.45	
		<i>For 18 Gauge Frame, Deduct</i>	-83.91	
		<i>For 14 Gauge Frame, Add</i>	209.77	
		<i>For 12 Gauge Frame, Add</i>	318.85	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,156.65	158.79
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	125.86	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	100.69	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,526.21	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,777.93	
		<i>For Baked Enamel Finish, Add</i>	299.36	
		<i>For 18 Gauge Frame, Deduct</i>	-83.91	
		<i>For 14 Gauge Frame, Add</i>	209.77	
		<i>For 12 Gauge Frame, Add</i>	318.85	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,176.99	161.97
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	127.96	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	102.37	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,551.69	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,807.60	
		<i>For Baked Enamel Finish, Add</i>	304.51	
		<i>For 18 Gauge Frame, Deduct</i>	-85.31	
		<i>For 14 Gauge Frame, Add</i>	213.26	
		<i>For 12 Gauge Frame, Add</i>	324.16	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,197.33	165.15
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	130.06	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	104.04	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,577.19	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,837.30	
		<i>For Baked Enamel Finish, Add</i>	309.66	
		<i>For 18 Gauge Frame, Deduct</i>	-86.70	
		<i>For 14 Gauge Frame, Add</i>	216.76	
		<i>For 12 Gauge Frame, Add</i>	329.48	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,259.61	168.32
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	138.45	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	110.76	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,678.18	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,955.07	
		<i>For Baked Enamel Finish, Add</i>	327.39	
		<i>For 18 Gauge Frame, Deduct</i>	-92.30	
		<i>For 14 Gauge Frame, Add</i>	230.74	
		<i>For 12 Gauge Frame, Add</i>	350.73	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,321.92	171.50
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	146.84	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	117.47	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,779.21	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,072.88	
		<i>For Baked Enamel Finish, Add</i>	345.13	
		<i>For 18 Gauge Frame, Deduct</i>	-97.89	
		<i>For 14 Gauge Frame, Add</i>	244.73	
		<i>For 12 Gauge Frame, Add</i>	371.99	
08 12 13 13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	843.17	95.28
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	97.89	
		<i>For Welded Frames, Add</i>	173.02	
		<i>For Galvanized Frames, Add</i>	78.31	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,184.23	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,380.01	
		<i>For Baked Enamel Finish, Add</i>	224.37	
		<i>For 18 Gauge Frame, Deduct</i>	-65.26	
		<i>For 14 Gauge Frame, Add</i>	163.15	
		<i>For 12 Gauge Frame, Add</i>	247.99	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0152 EA 2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	986.53	104.81
For Auxiliary Frame Reinforcement For Hinges, Add	116.54	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	93.23	
For Type 304 Stainless Steel Frame, Add	1,408.94	
For Type 316 Stainless Steel Frame, Add	1,642.01	
For Baked Enamel Finish, Add	264.52	
For 18 Gauge Frame, Deduct	-77.69	
For 14 Gauge Frame, Add	194.23	
For 12 Gauge Frame, Add	295.23	
08 12 13 13-0153 EA 2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,011.67	111.15
For Auxiliary Frame Reinforcement For Hinges, Add	118.40	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	94.72	
For Type 304 Stainless Steel Frame, Add	1,431.95	
For Type 316 Stainless Steel Frame, Add	1,668.75	
For Baked Enamel Finish, Add	270.15	
For 18 Gauge Frame, Deduct	-78.94	
For 14 Gauge Frame, Add	197.34	
For 12 Gauge Frame, Add	299.95	
08 12 13 13-0154 EA 2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,030.72	120.68
For Auxiliary Frame Reinforcement For Hinges, Add	118.40	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	94.72	
For Type 304 Stainless Steel Frame, Add	1,432.90	
For Type 316 Stainless Steel Frame, Add	1,669.70	
For Baked Enamel Finish, Add	273.01	
For 18 Gauge Frame, Deduct	-78.94	
For 14 Gauge Frame, Add	197.34	
For 12 Gauge Frame, Add	299.95	
08 12 13 13-0155 EA 2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,049.50	123.86
For Auxiliary Frame Reinforcement For Hinges, Add	120.27	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	96.21	
For Type 304 Stainless Steel Frame, Add	1,455.59	
For Type 316 Stainless Steel Frame, Add	1,696.12	
For Baked Enamel Finish, Add	277.69	
For 18 Gauge Frame, Deduct	-80.18	
For 14 Gauge Frame, Add	200.45	
For 12 Gauge Frame, Add	304.68	
08 12 13 13-0156 EA 3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,068.28	127.04
For Auxiliary Frame Reinforcement For Hinges, Add	122.13	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	97.71	
For Type 304 Stainless Steel Frame, Add	1,478.28	
For Type 316 Stainless Steel Frame, Add	1,722.54	
For Baked Enamel Finish, Add	282.37	
For 18 Gauge Frame, Deduct	-81.42	
For 14 Gauge Frame, Add	203.55	
For 12 Gauge Frame, Add	309.40	
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,136.93	133.39
For Auxiliary Frame Reinforcement For Hinges, Add	130.52	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	104.42	
For Type 304 Stainless Steel Frame, Add	1,579.61	
For Type 316 Stainless Steel Frame, Add	1,840.65	
For Baked Enamel Finish, Add	301.06	
For 18 Gauge Frame, Deduct	-87.02	
For 14 Gauge Frame, Add	217.54	
For 12 Gauge Frame, Add	330.66	
08 12 13 13-0158 EA 3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,149.62	139.74
For Auxiliary Frame Reinforcement For Hinges, Add	130.52	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	104.42	
For Type 304 Stainless Steel Frame, Add	1,580.24	
For Type 316 Stainless Steel Frame, Add	1,841.29	
For Baked Enamel Finish, Add	302.97	
For 18 Gauge Frame, Deduct	-87.02	
For 14 Gauge Frame, Add	217.54	
For 12 Gauge Frame, Add	330.66	
08 12 13 13-0159 EA 4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,193.40	146.10
For Auxiliary Frame Reinforcement For Hinges, Add	135.18	
For Welded Frames, Add	173.02	
For Galvanized Frames, Add	108.15	
For Type 304 Stainless Steel Frame, Add	1,636.81	
For Type 316 Stainless Steel Frame, Add	1,907.17	
For Baked Enamel Finish, Add	314.19	
For 18 Gauge Frame, Deduct	-90.12	
For 14 Gauge Frame, Add	225.31	
For 12 Gauge Frame, Add	342.46	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0160	EA		5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,237.19	152.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	139.85	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	111.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,693.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,973.07	
			<i>For Baked Enamel Finish, Add</i>	325.42	
			<i>For 18 Gauge Frame, Deduct</i>	-93.23	
			<i>For 14 Gauge Frame, Add</i>	233.08	
			<i>For 12 Gauge Frame, Add</i>	354.27	
08 12 13 13-0161	EA		5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,249.88	158.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	139.85	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	111.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,694.02	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,973.71	
			<i>For Baked Enamel Finish, Add</i>	327.33	
			<i>For 18 Gauge Frame, Deduct</i>	-93.23	
			<i>For 14 Gauge Frame, Add</i>	233.08	
			<i>For 12 Gauge Frame, Add</i>	354.27	
08 12 13 13-0162	EA		5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,271.78	161.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	142.18	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	113.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,722.31	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,006.66	
			<i>For Baked Enamel Finish, Add</i>	332.94	
			<i>For 18 Gauge Frame, Deduct</i>	-94.78	
			<i>For 14 Gauge Frame, Add</i>	236.96	
			<i>For 12 Gauge Frame, Add</i>	360.18	
08 12 13 13-0163	EA		6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,293.67	165.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	144.51	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	115.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,750.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,039.61	
			<i>For Baked Enamel Finish, Add</i>	338.56	
			<i>For 18 Gauge Frame, Deduct</i>	-96.34	
			<i>For 14 Gauge Frame, Add</i>	240.85	
			<i>For 12 Gauge Frame, Add</i>	366.08	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,362.16	168.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	153.83	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	123.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,862.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,170.42	
			<i>For Baked Enamel Finish, Add</i>	358.15	
			<i>For 18 Gauge Frame, Deduct</i>	-102.55	
			<i>For 14 Gauge Frame, Add</i>	256.38	
			<i>For 12 Gauge Frame, Add</i>	389.70	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,430.68	171.50
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	163.15	
			<i>For Welded Frames, Add</i>	173.02	
			<i>For Galvanized Frames, Add</i>	130.52	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,974.97	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,301.28	
			<i>For Baked Enamel Finish, Add</i>	377.75	
			<i>For 18 Gauge Frame, Deduct</i>	-108.77	
			<i>For 14 Gauge Frame, Add</i>	271.92	
			<i>For 12 Gauge Frame, Add</i>	413.32	
08 12 13 13-0166			Sidelights And Transoms <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			Fixed Steel Transoms <small>(08 12 13 13-0166)</small>		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	88.39	17.79
			<i>For Movable Frame, Add</i>	17.68	
			<i>For 18 Gauge Frame, Deduct</i>	-5.28	
			<i>For 14 Gauge Frame, Add</i>	13.21	
			<i>For 12 Gauge Frame, Add</i>	20.07	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	92.26	18.42
			<i>For Movable Frame, Add</i>	18.45	
			<i>For 18 Gauge Frame, Deduct</i>	-5.54	
			<i>For 14 Gauge Frame, Add</i>	13.86	
			<i>For 12 Gauge Frame, Add</i>	21.06	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	96.32	19.06
			<i>For Movable Frame, Add</i>	19.26	
			<i>For 18 Gauge Frame, Deduct</i>	-5.82	
			<i>For 14 Gauge Frame, Add</i>	14.55	
			<i>For 12 Gauge Frame, Add</i>	22.12	
08 12 13 13-0171			Operable Steel Transom Sash <small>(08 12 13 13-0166)</small>		
			Note: Includes hardware.		



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0172 SF 4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	124.07	17.79
For 18 Gauge Frame, Deduct	-8.85	
For 14 Gauge Frame, Add	22.13	
For 12 Gauge Frame, Add	33.63	
08 12 13 13-0173 SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	129.78	18.42
For 18 Gauge Frame, Deduct	-9.29	
For 14 Gauge Frame, Add	23.24	
For 12 Gauge Frame, Add	35.32	
08 12 13 13-0174 SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	135.68	19.06
For 18 Gauge Frame, Deduct	-9.76	
For 14 Gauge Frame, Add	24.39	
For 12 Gauge Frame, Add	37.08	
08 12 13 13-0175 Sidelights, Steel Frame <small>(08 12 13 13-0166)</small>		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176 SF 4-3/4" Deep Sidelights, 16 Gauge Frame	92.33	17.79
For 18 Gauge Frame, Deduct	-5.68	
For 14 Gauge Frame, Add	14.19	
For 12 Gauge Frame, Add	21.57	
08 12 13 13-0177 SF 5-3/4" Deep Sidelights, 16 Gauge Frame	96.45	18.42
For 18 Gauge Frame, Deduct	-5.96	
For 14 Gauge Frame, Add	14.90	
For 12 Gauge Frame, Add	22.65	
08 12 13 13-0178 SF 6-3/4" Deep Sidelights, 16 Gauge Frame	100.68	19.06
For 18 Gauge Frame, Deduct	-6.26	
For 14 Gauge Frame, Add	15.64	
For 12 Gauge Frame, Add	23.78	
08 12 13 13-0179 Sundry Hollow Metal Frame Sections <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions <small>(08 12 13 13-0179)</small>		
08 12 13 13-0181 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	43.25	7.11
For 18 Gauge Frame, Deduct	-2.54	
For 14 Gauge Frame, Add	6.34	
For 12 Gauge Frame, Add	9.64	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182 LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	44.28	7.11
For 18 Gauge Frame, Deduct	-2.64	
For 14 Gauge Frame, Add	6.60	
For 12 Gauge Frame, Add	10.03	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183 LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	43.77	7.36
For 18 Gauge Frame, Deduct	-2.54	
For 14 Gauge Frame, Add	6.34	
For 12 Gauge Frame, Add	9.64	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0184 LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	45.36	7.36
For 18 Gauge Frame, Deduct	-2.70	
For 14 Gauge Frame, Add	6.74	
For 12 Gauge Frame, Add	10.24	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0185 LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	45.45	7.50
For 18 Gauge Frame, Deduct	-2.66	
For 14 Gauge Frame, Add	6.66	
For 12 Gauge Frame, Add	10.12	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0186 LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	46.05	7.50
For 18 Gauge Frame, Deduct	-2.72	
For 14 Gauge Frame, Add	6.81	
For 12 Gauge Frame, Add	10.35	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails <small>(08 12 13 13-0179)</small>		
08 12 13 13-0188 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.57	7.11
For 18 Gauge Frame, Deduct	-1.27	
For 14 Gauge Frame, Add	3.17	
For 12 Gauge Frame, Add	4.82	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0189	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	31.87	7.11
			<i>For 18 Gauge Frame, Deduct</i>	-1.40	
			<i>For 14 Gauge Frame, Add</i>	3.50	
			<i>For 12 Gauge Frame, Add</i>	5.31	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	31.09	7.36
			<i>For 18 Gauge Frame, Deduct</i>	-1.27	
			<i>For 14 Gauge Frame, Add</i>	3.17	
			<i>For 12 Gauge Frame, Add</i>	4.82	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	32.39	7.36
			<i>For 18 Gauge Frame, Deduct</i>	-1.40	
			<i>For 14 Gauge Frame, Add</i>	3.50	
			<i>For 12 Gauge Frame, Add</i>	5.31	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	32.14	7.50
			<i>For 18 Gauge Frame, Deduct</i>	-1.33	
			<i>For 14 Gauge Frame, Add</i>	3.33	
			<i>For 12 Gauge Frame, Add</i>	5.06	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	33.26	7.50
			<i>For 18 Gauge Frame, Deduct</i>	-1.44	
			<i>For 14 Gauge Frame, Add</i>	3.61	
			<i>For 12 Gauge Frame, Add</i>	5.49	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0194			16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions <small>(08 12 13 13-0179)</small>		
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,130.92	49.80
			<i>For 18 Gauge Frame, Deduct</i>	-100.64	
			<i>For 14 Gauge Frame, Add</i>	251.61	
			<i>For 12 Gauge Frame, Add</i>	382.44	
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,171.07	49.80
			<i>For 18 Gauge Frame, Deduct</i>	-104.66	
			<i>For 14 Gauge Frame, Add</i>	261.65	
			<i>For 12 Gauge Frame, Add</i>	397.70	
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,296.75	52.09
			<i>For 18 Gauge Frame, Deduct</i>	-116.84	
			<i>For 14 Gauge Frame, Add</i>	292.11	
			<i>For 12 Gauge Frame, Add</i>	444.01	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,332.59	52.09
			<i>For 18 Gauge Frame, Deduct</i>	-120.43	
			<i>For 14 Gauge Frame, Add</i>	301.07	
			<i>For 12 Gauge Frame, Add</i>	457.63	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,506.84	53.35
			<i>For 18 Gauge Frame, Deduct</i>	-137.35	
			<i>For 14 Gauge Frame, Add</i>	343.36	
			<i>For 12 Gauge Frame, Add</i>	521.91	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0200	EA		6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,531.21	53.35
			<i>For 18 Gauge Frame, Deduct</i>	-139.78	
			<i>For 14 Gauge Frame, Add</i>	349.46	
			<i>For 12 Gauge Frame, Add</i>	531.17	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0201			Metal Frames Accessories <small>(08 12 13 13)</small>		
08 12 13 13-0202	EA		For 1' Extension Of New Door Frame	45.52	
08 12 16			Aluminum Frames <small>(08 12)</small>		
08 12 16 00-0001			Two Piece Aluminum Door Frames <small>(08 12 16)</small>		
08 12 16 00-0002			4-1/8" x 3/8" Two Piece Aluminum Door Frames <small>(08 12 16 00-0001)</small>		



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 16 00-0003	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	2,921.84	69.87
08 12 16 00-0004	EA		Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	2,921.84	69.87
08 12 16 00-0005			4-3/4" x 1-3/8" Two Piece Aluminum Door Frames <small>(08 12 16 00-0001)</small>		
08 12 16 00-0006	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	2,921.84	69.87
08 12 16 00-0007	EA		Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	2,921.84	69.87

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	724.40	69.87
		<i>For Galvanized Steel Door, Add</i>	116.93	
		<i>For Type 304 Stainless Steel Door, Add</i>	467.73	
		<i>For Type 316 Stainless Steel Door, Add</i>	760.06	
		<i>For Embossed Panel Door, Add</i>	140.32	
		<i>For Baked Enamel Finish, Add</i>	196.36	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-39.71	
		<i>For >100, Deduct</i>	-57.82	
		<i>For Polystyrene Core, Add</i>	58.47	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	146.17	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	73.08	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	724.40	69.87
		<i>For Galvanized Steel Door, Add</i>	116.93	
		<i>For Type 304 Stainless Steel Door, Add</i>	467.73	
		<i>For Type 316 Stainless Steel Door, Add</i>	760.06	
		<i>For Embossed Panel Door, Add</i>	140.32	
		<i>For Baked Enamel Finish, Add</i>	196.36	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-39.71	
		<i>For >100, Deduct</i>	-57.82	
		<i>For Polystyrene Core, Add</i>	58.47	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	146.17	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	73.08	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	742.72	73.04
		<i>For Galvanized Steel Door, Add</i>	119.32	
		<i>For Type 304 Stainless Steel Door, Add</i>	477.30	
		<i>For Type 316 Stainless Steel Door, Add</i>	775.61	
		<i>For Embossed Panel Door, Add</i>	143.19	
		<i>For Baked Enamel Finish, Add</i>	200.90	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-40.79	
		<i>For >100, Deduct</i>	-59.36	
		<i>For Polystyrene Core, Add</i>	59.66	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	149.16	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	74.58	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0006	EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	751.62	73.04
	<i>For Galvanized Steel Door, Add</i>	121.10	
	<i>For Type 304 Stainless Steel Door, Add</i>	484.42	
	<i>For Type 316 Stainless Steel Door, Add</i>	787.18	
	<i>For Embossed Panel Door, Add</i>	145.32	
	<i>For Baked Enamel Finish, Add</i>	203.57	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-41.23	
	<i>For >100, Deduct</i>	-60.02	
	<i>For Polystyrene Core, Add</i>	60.55	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	151.38	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	75.69	
08 13 13 13-0007	EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	758.34	74.63
	<i>For Galvanized Steel Door, Add</i>	121.82	
	<i>For Type 304 Stainless Steel Door, Add</i>	487.26	
	<i>For Type 316 Stainless Steel Door, Add</i>	791.80	
	<i>For Embossed Panel Door, Add</i>	146.18	
	<i>For Baked Enamel Finish, Add</i>	205.11	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-41.65	
	<i>For >100, Deduct</i>	-60.61	
	<i>For Polystyrene Core, Add</i>	60.91	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	152.27	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	76.14	
08 13 13 13-0008	EA 3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	765.09	76.22
	<i>For Galvanized Steel Door, Add</i>	122.53	
	<i>For Type 304 Stainless Steel Door, Add</i>	490.12	
	<i>For Type 316 Stainless Steel Door, Add</i>	796.45	
	<i>For Embossed Panel Door, Add</i>	147.04	
	<i>For Baked Enamel Finish, Add</i>	206.66	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-42.07	
	<i>For >100, Deduct</i>	-61.19	
	<i>For Polystyrene Core, Add</i>	61.27	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	153.16	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	76.58	
08 13 13 13-0009	EA 3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	811.39	76.22
	<i>For Galvanized Steel Door, Add</i>	131.79	
	<i>For Type 304 Stainless Steel Door, Add</i>	527.16	
	<i>For Type 316 Stainless Steel Door, Add</i>	856.64	
	<i>For Embossed Panel Door, Add</i>	158.15	
	<i>For Baked Enamel Finish, Add</i>	220.55	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-44.38	
	<i>For >100, Deduct</i>	-64.67	
	<i>For Polystyrene Core, Add</i>	65.90	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	164.74	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	82.37	
08 13 13 13-0010	EA 3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	835.55	79.40
	<i>For Galvanized Steel Door, Add</i>	135.35	
	<i>For Type 304 Stainless Steel Door, Add</i>	541.41	
	<i>For Type 316 Stainless Steel Door, Add</i>	879.79	
	<i>For Embossed Panel Door, Add</i>	162.42	
	<i>For Baked Enamel Finish, Add</i>	226.85	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-45.75	
	<i>For >100, Deduct</i>	-66.64	
	<i>For Polystyrene Core, Add</i>	67.68	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	169.19	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	84.60	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0011 EA 4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	919.50	85.75
For Galvanized Steel Door, Add	149.60	
For Type 304 Stainless Steel Door, Add	598.40	
For Type 316 Stainless Steel Door, Add	972.40	
For Embossed Panel Door, Add	179.52	
For Baked Enamel Finish, Add	250.13	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.26	
For >100, Deduct	-73.25	
For Polystyrene Core, Add	74.80	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.00	
For Continuously Welded And Filled Vertical Edge Seam, Add	93.50	
08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13 13-0013 EA 2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	739.72	69.87
For Galvanized Steel Door, Add	120.00	
For Type 304 Stainless Steel Door, Add	479.98	
For Type 316 Stainless Steel Door, Add	779.97	
For Embossed Panel Door, Add	144.00	
For Baked Enamel Finish, Add	200.96	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-40.48	
For >100, Deduct	-58.97	
For Polystyrene Core, Add	60.00	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.00	
For Continuously Welded And Filled Vertical Edge Seam, Add	75.00	
08 13 13 13-0014 EA 2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	739.72	69.87
For Galvanized Steel Door, Add	120.00	
For Type 304 Stainless Steel Door, Add	479.98	
For Type 316 Stainless Steel Door, Add	779.97	
For Embossed Panel Door, Add	144.00	
For Baked Enamel Finish, Add	200.96	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-40.48	
For >100, Deduct	-58.97	
For Polystyrene Core, Add	60.00	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.00	
For Continuously Welded And Filled Vertical Edge Seam, Add	75.00	
08 13 13 13-0015 EA 2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	758.35	73.04
For Galvanized Steel Door, Add	122.45	
For Type 304 Stainless Steel Door, Add	489.80	
For Type 316 Stainless Steel Door, Add	795.93	
For Embossed Panel Door, Add	146.94	
For Baked Enamel Finish, Add	205.59	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.57	
For >100, Deduct	-60.53	
For Polystyrene Core, Add	61.23	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	153.06	
For Continuously Welded And Filled Vertical Edge Seam, Add	76.53	
08 13 13 13-0016 EA 2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	767.49	73.04
For Galvanized Steel Door, Add	124.28	
For Type 304 Stainless Steel Door, Add	497.11	
For Type 316 Stainless Steel Door, Add	807.81	
For Embossed Panel Door, Add	149.13	
For Baked Enamel Finish, Add	208.33	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.03	
For >100, Deduct	-61.21	
For Polystyrene Core, Add	62.14	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	155.35	
For Continuously Welded And Filled Vertical Edge Seam, Add	77.67	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0017	EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	774.30	74.63
	For Galvanized Steel Door, Add	125.01	
	For Type 304 Stainless Steel Door, Add	500.03	
	For Type 316 Stainless Steel Door, Add	812.55	
	For Embossed Panel Door, Add	150.01	
	For Baked Enamel Finish, Add	209.90	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.45	
	For >100, Deduct	-61.80	
	For Polystyrene Core, Add	62.50	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	156.26	
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.13	
08 13 13 13-0018	EA 3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	781.14	76.22
	For Galvanized Steel Door, Add	125.74	
	For Type 304 Stainless Steel Door, Add	502.96	
	For Type 316 Stainless Steel Door, Add	817.31	
	For Embossed Panel Door, Add	150.89	
	For Baked Enamel Finish, Add	211.48	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.87	
	For >100, Deduct	-62.40	
	For Polystyrene Core, Add	62.87	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.18	
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.59	
08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	828.66	76.22
	For Galvanized Steel Door, Add	135.24	
	For Type 304 Stainless Steel Door, Add	540.98	
	For Type 316 Stainless Steel Door, Add	879.09	
	For Embossed Panel Door, Add	162.29	
	For Baked Enamel Finish, Add	225.73	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.24	
	For >100, Deduct	-65.96	
	For Polystyrene Core, Add	67.62	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	169.06	
	For Continuously Welded And Filled Vertical Edge Seam, Add	84.53	
08 13 13 13-0020	EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	853.28	79.40
	For Galvanized Steel Door, Add	138.90	
	For Type 304 Stainless Steel Door, Add	555.59	
	For Type 316 Stainless Steel Door, Add	902.84	
	For Embossed Panel Door, Add	166.68	
	For Baked Enamel Finish, Add	232.17	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-46.63	
	For >100, Deduct	-67.97	
	For Polystyrene Core, Add	69.45	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	173.62	
	For Continuously Welded And Filled Vertical Edge Seam, Add	86.81	
08 13 13 13-0021	EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	939.10	85.75
	For Galvanized Steel Door, Add	153.52	
	For Type 304 Stainless Steel Door, Add	614.08	
	For Type 316 Stainless Steel Door, Add	997.88	
	For Embossed Panel Door, Add	184.22	
	For Baked Enamel Finish, Add	256.01	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.24	
	For >100, Deduct	-74.72	
	For Polystyrene Core, Add	76.76	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	191.90	
	For Continuously Welded And Filled Vertical Edge Seam, Add	95.95	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0023 EA 2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	754.60	69.87
For Galvanized Steel Door, Add	122.97	
For Type 304 Stainless Steel Door, Add	491.89	
For Type 316 Stainless Steel Door, Add	799.32	
For Embossed Panel Door, Add	147.57	
For Baked Enamel Finish, Add	205.42	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.22	
For >100, Deduct	-60.09	
For Polystyrene Core, Add	61.49	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	153.72	
For Continuously Welded And Filled Vertical Edge Seam, Add	76.86	
08 13 13 13-0024 EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	754.60	69.87
For Galvanized Steel Door, Add	122.97	
For Type 304 Stainless Steel Door, Add	491.89	
For Type 316 Stainless Steel Door, Add	799.32	
For Embossed Panel Door, Add	147.57	
For Baked Enamel Finish, Add	205.42	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.22	
For >100, Deduct	-60.09	
For Polystyrene Core, Add	61.49	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	153.72	
For Continuously Welded And Filled Vertical Edge Seam, Add	76.86	
08 13 13 13-0025 EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	773.54	73.04
For Galvanized Steel Door, Add	125.49	
For Type 304 Stainless Steel Door, Add	501.95	
For Type 316 Stainless Steel Door, Add	815.67	
For Embossed Panel Door, Add	150.59	
For Baked Enamel Finish, Add	210.15	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.33	
For >100, Deduct	-61.67	
For Polystyrene Core, Add	62.74	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	156.86	
For Continuously Welded And Filled Vertical Edge Seam, Add	78.43	
08 13 13 13-0026 EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	782.90	73.04
For Galvanized Steel Door, Add	127.36	
For Type 304 Stainless Steel Door, Add	509.44	
For Type 316 Stainless Steel Door, Add	827.84	
For Embossed Panel Door, Add	152.83	
For Baked Enamel Finish, Add	212.96	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.80	
For >100, Deduct	-62.37	
For Polystyrene Core, Add	63.68	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.20	
For Continuously Welded And Filled Vertical Edge Seam, Add	79.60	
08 13 13 13-0027 EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	789.80	74.63
For Galvanized Steel Door, Add	128.11	
For Type 304 Stainless Steel Door, Add	512.43	
For Type 316 Stainless Steel Door, Add	832.70	
For Embossed Panel Door, Add	153.73	
For Baked Enamel Finish, Add	214.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.22	
For >100, Deduct	-62.97	
For Polystyrene Core, Add	64.05	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.14	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.07	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0028	EA 3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	796.73	76.22
	For Galvanized Steel Door, Add	128.86	
	For Type 304 Stainless Steel Door, Add	515.43	
	For Type 316 Stainless Steel Door, Add	837.58	
	For Embossed Panel Door, Add	154.63	
	For Baked Enamel Finish, Add	216.15	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.65	
	For >100, Deduct	-63.57	
	For Polystyrene Core, Add	64.43	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.07	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.54	
08 13 13 13-0029	EA 3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	845.43	76.22
	For Galvanized Steel Door, Add	138.60	
	For Type 304 Stainless Steel Door, Add	554.39	
	For Type 316 Stainless Steel Door, Add	900.89	
	For Embossed Panel Door, Add	166.32	
	For Baked Enamel Finish, Add	230.76	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-46.08	
	For >100, Deduct	-67.22	
	For Polystyrene Core, Add	69.30	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	173.25	
	For Continuously Welded And Filled Vertical Edge Seam, Add	86.62	
08 13 13 13-0030	EA 3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	870.51	79.40
	For Galvanized Steel Door, Add	142.34	
	For Type 304 Stainless Steel Door, Add	569.38	
	For Type 316 Stainless Steel Door, Add	925.24	
	For Embossed Panel Door, Add	170.81	
	For Baked Enamel Finish, Add	237.33	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.50	
	For >100, Deduct	-69.26	
	For Polystyrene Core, Add	71.17	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	177.93	
	For Continuously Welded And Filled Vertical Edge Seam, Add	88.97	
08 13 13 13-0031	EA 4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	958.13	85.75
	For Galvanized Steel Door, Add	157.33	
	For Type 304 Stainless Steel Door, Add	629.30	
	For Type 316 Stainless Steel Door, Add	1,022.62	
	For Embossed Panel Door, Add	188.79	
	For Baked Enamel Finish, Add	261.71	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.19	
	For >100, Deduct	-76.15	
	For Polystyrene Core, Add	78.66	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.66	
	For Continuously Welded And Filled Vertical Edge Seam, Add	98.33	
08 13 13 13-0032	18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13		
	¹³)		
08 13 13 13-0033	6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0034 EA 2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	771.70	69.87
For Galvanized Steel Door, Add	126.39	
For Type 304 Stainless Steel Door, Add	505.57	
For Type 316 Stainless Steel Door, Add	821.55	
For Embossed Panel Door, Add	151.67	
For Baked Enamel Finish, Add	210.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.08	
For >100, Deduct	-61.37	
For 2" Thick Door, Add	49.31	
For Polystyrene Core, Add	63.20	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.99	
For Continuously Welded And Filled Vertical Edge Seam, Add	79.00	
For Steel Stiffened, Add	157.99	
08 13 13 13-0035 EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	771.70	69.87
For Galvanized Steel Door, Add	126.39	
For Type 304 Stainless Steel Door, Add	505.57	
For Type 316 Stainless Steel Door, Add	821.55	
For Embossed Panel Door, Add	151.67	
For Baked Enamel Finish, Add	210.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.08	
For >100, Deduct	-61.37	
For 2" Thick Door, Add	49.31	
For Polystyrene Core, Add	63.20	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.99	
For Continuously Welded And Filled Vertical Edge Seam, Add	79.00	
For Steel Stiffened, Add	157.99	
08 13 13 13-0036 EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	790.98	73.04
For Galvanized Steel Door, Add	128.98	
For Type 304 Stainless Steel Door, Add	515.90	
For Type 316 Stainless Steel Door, Add	838.34	
For Embossed Panel Door, Add	154.77	
For Baked Enamel Finish, Add	215.38	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.20	
For >100, Deduct	-62.98	
For 2" Thick Door, Add	50.41	
For Polystyrene Core, Add	64.49	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.22	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.61	
For Steel Stiffened, Add	161.22	
08 13 13 13-0037 EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	800.61	73.04
For Galvanized Steel Door, Add	130.90	
For Type 304 Stainless Steel Door, Add	523.61	
For Type 316 Stainless Steel Door, Add	850.86	
For Embossed Panel Door, Add	157.08	
For Baked Enamel Finish, Add	218.27	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.68	
For >100, Deduct	-63.70	
For 2" Thick Door, Add	51.10	
For Polystyrene Core, Add	65.45	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.63	
For Continuously Welded And Filled Vertical Edge Seam, Add	81.81	
For Steel Stiffened, Add	163.63	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	807.61	74.63
			<i>For Galvanized Steel Door, Add</i>	131.67	
			<i>For Type 304 Stainless Steel Door, Add</i>	526.68	
			<i>For Type 316 Stainless Steel Door, Add</i>	855.86	
			<i>For Embossed Panel Door, Add</i>	158.00	
			<i>For Baked Enamel Finish, Add</i>	219.89	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-44.11	
			<i>For >100, Deduct</i>	-64.30	
			<i>For 2" Thick Door, Add</i>	51.46	
			<i>For Polystyrene Core, Add</i>	65.84	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	164.59	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	82.29	
			<i>For Steel Stiffened, Add</i>	164.59	
08 13 13	13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	814.65	76.22
			<i>For Galvanized Steel Door, Add</i>	132.44	
			<i>For Type 304 Stainless Steel Door, Add</i>	529.77	
			<i>For Type 316 Stainless Steel Door, Add</i>	860.87	
			<i>For Embossed Panel Door, Add</i>	158.93	
			<i>For Baked Enamel Finish, Add</i>	221.53	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-44.54	
			<i>For >100, Deduct</i>	-64.91	
			<i>For 2" Thick Door, Add</i>	51.82	
			<i>For Polystyrene Core, Add</i>	66.22	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	165.55	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	82.78	
			<i>For Steel Stiffened, Add</i>	165.55	
08 13 13	13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	864.70	76.22
			<i>For Galvanized Steel Door, Add</i>	142.45	
			<i>For Type 304 Stainless Steel Door, Add</i>	569.81	
			<i>For Type 316 Stainless Steel Door, Add</i>	925.94	
			<i>For Embossed Panel Door, Add</i>	170.94	
			<i>For Baked Enamel Finish, Add</i>	236.54	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-47.05	
			<i>For >100, Deduct</i>	-68.66	
			<i>For 2" Thick Door, Add</i>	55.45	
			<i>For Polystyrene Core, Add</i>	71.23	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	178.07	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	89.03	
			<i>For Steel Stiffened, Add</i>	178.07	
08 13 13	13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	890.30	79.40
			<i>For Galvanized Steel Door, Add</i>	146.30	
			<i>For Type 304 Stainless Steel Door, Add</i>	585.21	
			<i>For Type 316 Stainless Steel Door, Add</i>	950.96	
			<i>For Embossed Panel Door, Add</i>	175.56	
			<i>For Baked Enamel Finish, Add</i>	243.27	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-48.48	
			<i>For >100, Deduct</i>	-70.74	
			<i>For 2" Thick Door, Add</i>	57.00	
			<i>For Polystyrene Core, Add</i>	73.15	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	182.88	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	91.44	
			<i>For Steel Stiffened, Add</i>	182.88	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0042 EA 4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	980.01	85.75
For Galvanized Steel Door, Add	161.70	
For Type 304 Stainless Steel Door, Add	646.81	
For Type 316 Stainless Steel Door, Add	1,051.06	
For Embossed Panel Door, Add	194.04	
For Baked Enamel Finish, Add	268.28	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-53.29	
For >100, Deduct	-77.79	
For 2" Thick Door, Add	62.90	
For Polystyrene Core, Add	80.85	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.13	
For Continuously Welded And Filled Vertical Edge Seam, Add	101.06	
For Steel Stiffened, Add	202.13	
 08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0044 EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	786.70	69.87
For Galvanized Steel Door, Add	129.39	
For Type 304 Stainless Steel Door, Add	517.57	
For Type 316 Stainless Steel Door, Add	841.05	
For Embossed Panel Door, Add	155.27	
For Baked Enamel Finish, Add	215.05	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.83	
For >100, Deduct	-62.50	
For 2" Thick Door, Add	50.40	
For Polystyrene Core, Add	64.70	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.74	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.87	
For Steel Stiffened, Add	161.74	
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	786.70	69.87
For Galvanized Steel Door, Add	129.39	
For Type 304 Stainless Steel Door, Add	517.57	
For Type 316 Stainless Steel Door, Add	841.05	
For Embossed Panel Door, Add	155.27	
For Baked Enamel Finish, Add	215.05	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.83	
For >100, Deduct	-62.50	
For 2" Thick Door, Add	50.40	
For Polystyrene Core, Add	64.70	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.74	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.87	
For Steel Stiffened, Add	161.74	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	806.29	73.04
For Galvanized Steel Door, Add	132.04	
For Type 304 Stainless Steel Door, Add	528.15	
For Type 316 Stainless Steel Door, Add	858.25	
For Embossed Panel Door, Add	158.45	
For Baked Enamel Finish, Add	219.97	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.97	
For >100, Deduct	-64.12	
For 2" Thick Door, Add	51.52	
For Polystyrene Core, Add	66.02	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.05	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.52	
For Steel Stiffened, Add	165.05	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	816.14	73.04
			<i>For Galvanized Steel Door, Add</i>	134.01	
			<i>For Type 304 Stainless Steel Door, Add</i>	536.03	
			<i>For Type 316 Stainless Steel Door, Add</i>	871.05	
			<i>For Embossed Panel Door, Add</i>	160.81	
			<i>For Baked Enamel Finish, Add</i>	222.93	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-44.46	
			<i>For >100, Deduct</i>	-64.86	
			<i>For 2" Thick Door, Add</i>	52.23	
			<i>For Polystyrene Core, Add</i>	67.00	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	167.51	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	83.76	
			<i>For Steel Stiffened, Add</i>	167.51	
08 13 13	13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	823.24	74.63
			<i>For Galvanized Steel Door, Add</i>	134.80	
			<i>For Type 304 Stainless Steel Door, Add</i>	539.18	
			<i>For Type 316 Stainless Steel Door, Add</i>	876.17	
			<i>For Embossed Panel Door, Add</i>	161.76	
			<i>For Baked Enamel Finish, Add</i>	224.58	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-44.89	
			<i>For >100, Deduct</i>	-65.47	
			<i>For 2" Thick Door, Add</i>	52.60	
			<i>For Polystyrene Core, Add</i>	67.40	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	168.50	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	84.25	
			<i>For Steel Stiffened, Add</i>	168.50	
08 13 13	13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	830.36	76.22
			<i>For Galvanized Steel Door, Add</i>	135.58	
			<i>For Type 304 Stainless Steel Door, Add</i>	542.34	
			<i>For Type 316 Stainless Steel Door, Add</i>	881.30	
			<i>For Embossed Panel Door, Add</i>	162.70	
			<i>For Baked Enamel Finish, Add</i>	226.24	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.33	
			<i>For >100, Deduct</i>	-66.09	
			<i>For 2" Thick Door, Add</i>	52.96	
			<i>For Polystyrene Core, Add</i>	67.79	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	169.48	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	84.74	
			<i>For Steel Stiffened, Add</i>	169.48	
08 13 13	13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	881.60	76.22
			<i>For Galvanized Steel Door, Add</i>	145.83	
			<i>For Type 304 Stainless Steel Door, Add</i>	583.33	
			<i>For Type 316 Stainless Steel Door, Add</i>	947.91	
			<i>For Embossed Panel Door, Add</i>	175.00	
			<i>For Baked Enamel Finish, Add</i>	241.61	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-47.89	
			<i>For >100, Deduct</i>	-69.93	
			<i>For 2" Thick Door, Add</i>	56.68	
			<i>For Polystyrene Core, Add</i>	72.92	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	182.29	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	91.15	
			<i>For Steel Stiffened, Add</i>	182.29	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051 EA 3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	907.66	79.40
For Galvanized Steel Door, Add	149.77	
For Type 304 Stainless Steel Door, Add	599.10	
For Type 316 Stainless Steel Door, Add	973.53	
For Embossed Panel Door, Add	179.73	
For Baked Enamel Finish, Add	248.48	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.35	
For >100, Deduct	-72.04	
For 2" Thick Door, Add	58.26	
For Polystyrene Core, Add	74.89	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.22	
For Continuously Welded And Filled Vertical Edge Seam, Add	93.61	
For Steel Stiffened, Add	187.22	
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	999.20	85.75
For Galvanized Steel Door, Add	165.54	
For Type 304 Stainless Steel Door, Add	662.16	
For Type 316 Stainless Steel Door, Add	1,076.01	
For Embossed Panel Door, Add	198.65	
For Baked Enamel Finish, Add	274.04	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-54.25	
For >100, Deduct	-79.23	
For 2" Thick Door, Add	64.30	
For Polystyrene Core, Add	82.77	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.93	
For Continuously Welded And Filled Vertical Edge Seam, Add	103.46	
For Steel Stiffened, Add	206.93	
08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	801.70	69.87
For Galvanized Steel Door, Add	132.39	
For Type 304 Stainless Steel Door, Add	529.57	
For Type 316 Stainless Steel Door, Add	860.55	
For Embossed Panel Door, Add	158.87	
For Baked Enamel Finish, Add	219.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.58	
For >100, Deduct	-63.62	
For 2" Thick Door, Add	51.49	
For Polystyrene Core, Add	66.20	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.49	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.75	
For Steel Stiffened, Add	165.49	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	801.70	69.87
For Galvanized Steel Door, Add	132.39	
For Type 304 Stainless Steel Door, Add	529.57	
For Type 316 Stainless Steel Door, Add	860.55	
For Embossed Panel Door, Add	158.87	
For Baked Enamel Finish, Add	219.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.58	
For >100, Deduct	-63.62	
For 2" Thick Door, Add	51.49	
For Polystyrene Core, Add	66.20	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.49	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.75	
For Steel Stiffened, Add	165.49	

08	Openings
08 10	Doors and Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	821.60	73.04
			<i>For Galvanized Steel Door, Add</i>	135.10	
			<i>For Type 304 Stainless Steel Door, Add</i>	540.40	
			<i>For Type 316 Stainless Steel Door, Add</i>	878.15	
			<i>For Embossed Panel Door, Add</i>	162.12	
			<i>For Baked Enamel Finish, Add</i>	224.57	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-44.73	
			<i>For >100, Deduct</i>	-65.27	
			<i>For 2" Thick Door, Add</i>	52.63	
			<i>For Polystyrene Core, Add</i>	67.55	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	168.88	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	84.44	
			<i>For Steel Stiffened, Add</i>	168.88	
08 13 13	13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	831.68	73.04
			<i>For Galvanized Steel Door, Add</i>	137.12	
			<i>For Type 304 Stainless Steel Door, Add</i>	548.46	
			<i>For Type 316 Stainless Steel Door, Add</i>	891.25	
			<i>For Embossed Panel Door, Add</i>	164.54	
			<i>For Baked Enamel Finish, Add</i>	227.59	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.24	
			<i>For >100, Deduct</i>	-66.03	
			<i>For 2" Thick Door, Add</i>	53.36	
			<i>For Polystyrene Core, Add</i>	68.56	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	171.40	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	85.70	
			<i>For Steel Stiffened, Add</i>	171.40	
08 13 13	13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	846.08	76.22
			<i>For Galvanized Steel Door, Add</i>	138.73	
			<i>For Type 304 Stainless Steel Door, Add</i>	554.91	
			<i>For Type 316 Stainless Steel Door, Add</i>	901.73	
			<i>For Embossed Panel Door, Add</i>	166.47	
			<i>For Baked Enamel Finish, Add</i>	230.96	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.12	
			<i>For >100, Deduct</i>	-67.27	
			<i>For 2" Thick Door, Add</i>	54.10	
			<i>For Polystyrene Core, Add</i>	69.36	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	173.41	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	86.71	
			<i>For Steel Stiffened, Add</i>	173.41	
08 13 13	13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	898.51	76.22
			<i>For Galvanized Steel Door, Add</i>	149.21	
			<i>For Type 304 Stainless Steel Door, Add</i>	596.86	
			<i>For Type 316 Stainless Steel Door, Add</i>	969.89	
			<i>For Embossed Panel Door, Add</i>	179.06	
			<i>For Baked Enamel Finish, Add</i>	246.69	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-48.74	
			<i>For >100, Deduct</i>	-71.20	
			<i>For 2" Thick Door, Add</i>	57.90	
			<i>For Polystyrene Core, Add</i>	74.61	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	186.52	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	93.26	
			<i>For Steel Stiffened, Add</i>	186.52	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060 EA 3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	925.02	79.40
For Galvanized Steel Door, Add	153.25	
For Type 304 Stainless Steel Door, Add	612.98	
For Type 316 Stainless Steel Door, Add	996.10	
For Embossed Panel Door, Add	183.90	
For Baked Enamel Finish, Add	253.69	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.22	
For >100, Deduct	-73.35	
For 2" Thick Door, Add	59.52	
For Polystyrene Core, Add	76.62	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	191.56	
For Continuously Welded And Filled Vertical Edge Seam, Add	95.78	
For Steel Stiffened, Add	191.56	
08 13 13 13-0061 EA 4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	1,018.39	85.75
For Galvanized Steel Door, Add	169.38	
For Type 304 Stainless Steel Door, Add	677.51	
For Type 316 Stainless Steel Door, Add	1,100.96	
For Embossed Panel Door, Add	203.25	
For Baked Enamel Finish, Add	279.79	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.21	
For >100, Deduct	-80.67	
For 2" Thick Door, Add	65.69	
For Polystyrene Core, Add	84.69	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	211.72	
For Continuously Welded And Filled Vertical Edge Seam, Add	105.86	
For Steel Stiffened, Add	211.72	
08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0063 EA 2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	925.41	69.87
For Up To 1' Extra Height, Add	217.39	
For 1' To 1'-6" Extra Height, Add	414.76	
For Galvanized Steel Door, Add	157.13	
For Type 304 Stainless Steel Door, Add	628.54	
For Type 316 Stainless Steel Door, Add	1,021.37	
For Embossed Panel Door, Add	188.56	
For Baked Enamel Finish, Add	256.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.76	
For >100, Deduct	-72.90	
For 2" Thick Door, Add	60.45	
For Polystyrene Core, Add	78.57	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.42	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.21	
For Steel Stiffened, Add	196.42	
08 13 13 13-0064 EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	925.41	69.87
For Up To 1' Extra Height, Add	217.39	
For 1' To 1'-6" Extra Height, Add	414.76	
For Galvanized Steel Door, Add	157.13	
For Type 304 Stainless Steel Door, Add	628.54	
For Type 316 Stainless Steel Door, Add	1,021.37	
For Embossed Panel Door, Add	188.56	
For Baked Enamel Finish, Add	256.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.76	
For >100, Deduct	-72.90	
For 2" Thick Door, Add	60.45	
For Polystyrene Core, Add	78.57	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.42	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.21	
For Steel Stiffened, Add	196.42	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	947.84	73.04
			<i>For Up To 1' Extra Height, Add</i>	221.84	
			<i>For 1' To 1'-6" Extra Height, Add</i>	423.24	
			<i>For Galvanized Steel Door, Add</i>	160.35	
			<i>For Type 304 Stainless Steel Door, Add</i>	641.39	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,042.26	
			<i>For Embossed Panel Door, Add</i>	192.42	
			<i>For Baked Enamel Finish, Add</i>	262.44	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.04	
			<i>For >100, Deduct</i>	-74.74	
			<i>For 2" Thick Door, Add</i>	61.78	
			<i>For Polystyrene Core, Add</i>	80.17	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	200.44	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	100.22	
			<i>For Steel Stiffened, Add</i>	200.44	
08 13 13	13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	959.81	73.04
			<i>For Up To 1' Extra Height, Add</i>	225.15	
			<i>For 1' To 1'-6" Extra Height, Add</i>	429.56	
			<i>For Galvanized Steel Door, Add</i>	162.74	
			<i>For Type 304 Stainless Steel Door, Add</i>	650.97	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,057.82	
			<i>For Embossed Panel Door, Add</i>	195.29	
			<i>For Baked Enamel Finish, Add</i>	266.03	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.64	
			<i>For >100, Deduct</i>	-75.64	
			<i>For 2" Thick Door, Add</i>	62.65	
			<i>For Polystyrene Core, Add</i>	81.37	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	203.43	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	101.71	
			<i>For Steel Stiffened, Add</i>	203.43	
08 13 13	13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	967.75	74.63
			<i>For Up To 1' Extra Height, Add</i>	226.48	
			<i>For 1' To 1'-6" Extra Height, Add</i>	432.08	
			<i>For Galvanized Steel Door, Add</i>	163.70	
			<i>For Type 304 Stainless Steel Door, Add</i>	654.79	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,064.04	
			<i>For Embossed Panel Door, Add</i>	196.44	
			<i>For Baked Enamel Finish, Add</i>	267.94	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-52.12	
			<i>For >100, Deduct</i>	-76.31	
			<i>For 2" Thick Door, Add</i>	63.07	
			<i>For Polystyrene Core, Add</i>	81.85	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	204.62	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	102.31	
			<i>For Steel Stiffened, Add</i>	204.62	
08 13 13	13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	975.72	76.22
			<i>For Up To 1' Extra Height, Add</i>	227.80	
			<i>For 1' To 1'-6" Extra Height, Add</i>	434.61	
			<i>For Galvanized Steel Door, Add</i>	164.66	
			<i>For Type 304 Stainless Steel Door, Add</i>	658.62	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,070.26	
			<i>For Embossed Panel Door, Add</i>	197.59	
			<i>For Baked Enamel Finish, Add</i>	269.85	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-52.60	
			<i>For >100, Deduct</i>	-76.99	
			<i>For 2" Thick Door, Add</i>	63.50	
			<i>For Polystyrene Core, Add</i>	82.33	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	205.82	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	102.91	
			<i>For Steel Stiffened, Add</i>	205.82	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0069 EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	1,037.94	76.22
For Up To 1' Extra Height, Add	245.02	
For 1' To 1'-6" Extra Height, Add	467.46	
For Galvanized Steel Door, Add	177.10	
For Type 304 Stainless Steel Door, Add	708.40	
For Type 316 Stainless Steel Door, Add	1,151.15	
For Embossed Panel Door, Add	212.52	
For Baked Enamel Finish, Add	288.52	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.71	
For >100, Deduct	-81.66	
For 2" Thick Door, Add	68.01	
For Polystyrene Core, Add	88.55	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	221.38	
For Continuously Welded And Filled Vertical Edge Seam, Add	110.69	
For Steel Stiffened, Add	221.38	
08 13 13 13-0070 EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	1,068.23	79.40
For Up To 1' Extra Height, Add	251.64	
For 1' To 1'-6" Extra Height, Add	480.09	
For Galvanized Steel Door, Add	181.89	
For Type 304 Stainless Steel Door, Add	727.55	
For Type 316 Stainless Steel Door, Add	1,182.27	
For Embossed Panel Door, Add	218.27	
For Baked Enamel Finish, Add	296.65	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.38	
For >100, Deduct	-84.09	
For 2" Thick Door, Add	69.90	
For Polystyrene Core, Add	90.94	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	227.36	
For Continuously Welded And Filled Vertical Edge Seam, Add	113.68	
For Steel Stiffened, Add	227.36	
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	1,176.66	85.75
For Up To 1' Extra Height, Add	278.13	
For 1' To 1'-6" Extra Height, Add	530.62	
For Galvanized Steel Door, Add	201.03	
For Type 304 Stainless Steel Door, Add	804.13	
For Type 316 Stainless Steel Door, Add	1,306.71	
For Embossed Panel Door, Add	241.24	
For Baked Enamel Finish, Add	327.27	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-63.12	
For >100, Deduct	-92.54	
For 2" Thick Door, Add	77.16	
For Polystyrene Core, Add	100.52	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	251.29	
For Continuously Welded And Filled Vertical Edge Seam, Add	125.65	
For Steel Stiffened, Add	251.29	
08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,015.00	69.87
For 14 Gauge, Level 4 Maximum Duty, Add	350.10	
For Galvanized Steel Door, Add	175.05	
For Type 304 Stainless Steel Door, Add	700.21	
For Type 316 Stainless Steel Door, Add	1,137.84	
For Embossed Panel Door, Add	210.06	
For Baked Enamel Finish, Add	283.54	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-54.24	
For >100, Deduct	-79.62	
For 2" Thick Door, Add	66.95	
For Polystyrene Core, Add	87.53	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	218.82	
For Continuously Welded And Filled Vertical Edge Seam, Add	109.41	
For Steel Stiffened, Add	218.82	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0075	EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,015.00	69.87
	For 14 Gauge, Level 4 Maximum Duty, Add	350.10	
	For Galvanized Steel Door, Add	175.05	
	For Type 304 Stainless Steel Door, Add	700.21	
	For Type 316 Stainless Steel Door, Add	1,137.84	
	For Embossed Panel Door, Add	210.06	
	For Baked Enamel Finish, Add	283.54	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-54.24	
	For >100, Deduct	-79.62	
	For 2" Thick Door, Add	66.95	
	For Polystyrene Core, Add	87.53	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	218.82	
	For Continuously Welded And Filled Vertical Edge Seam, Add	109.41	
	For Steel Stiffened, Add	218.82	
08 13 13 13-0076	EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,039.27	73.04
	For 14 Gauge, Level 4 Maximum Duty, Add	357.27	
	For Galvanized Steel Door, Add	178.63	
	For Type 304 Stainless Steel Door, Add	714.54	
	For Type 316 Stainless Steel Door, Add	1,161.12	
	For Embossed Panel Door, Add	214.36	
	For Baked Enamel Finish, Add	289.87	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-55.62	
	For >100, Deduct	-81.60	
	For 2" Thick Door, Add	68.41	
	For Polystyrene Core, Add	89.32	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	223.29	
	For Continuously Welded And Filled Vertical Edge Seam, Add	111.65	
	For Steel Stiffened, Add	223.29	
08 13 13 13-0077	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,052.60	73.04
	For 14 Gauge, Level 4 Maximum Duty, Add	362.60	
	For Galvanized Steel Door, Add	181.30	
	For Type 304 Stainless Steel Door, Add	725.20	
	For Type 316 Stainless Steel Door, Add	1,178.45	
	For Embossed Panel Door, Add	217.56	
	For Baked Enamel Finish, Add	293.87	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-56.28	
	For >100, Deduct	-82.60	
	For 2" Thick Door, Add	69.37	
	For Polystyrene Core, Add	90.65	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	226.63	
	For Continuously Welded And Filled Vertical Edge Seam, Add	113.31	
	For Steel Stiffened, Add	226.63	
08 13 13 13-0078	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,061.11	74.63
	For 14 Gauge, Level 4 Maximum Duty, Add	364.74	
	For Galvanized Steel Door, Add	182.37	
	For Type 304 Stainless Steel Door, Add	729.48	
	For Type 316 Stainless Steel Door, Add	1,185.41	
	For Embossed Panel Door, Add	218.84	
	For Baked Enamel Finish, Add	295.94	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-56.79	
	For >100, Deduct	-83.31	
	For 2" Thick Door, Add	69.84	
	For Polystyrene Core, Add	91.19	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	227.96	
	For Continuously Welded And Filled Vertical Edge Seam, Add	113.98	
	For Steel Stiffened, Add	227.96	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0079 EA 3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,069.60	76.22
For 14 Gauge, Level 4 Maximum Duty, Add	366.86	
For Galvanized Steel Door, Add	183.43	
For Type 304 Stainless Steel Door, Add	733.73	
For Type 316 Stainless Steel Door, Add	1,192.31	
For Embossed Panel Door, Add	220.12	
For Baked Enamel Finish, Add	298.01	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.29	
For >100, Deduct	-84.03	
For 2" Thick Door, Add	70.31	
For Polystyrene Core, Add	91.72	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	229.29	
For Continuously Welded And Filled Vertical Edge Seam, Add	114.65	
For Steel Stiffened, Add	229.29	
08 13 13 13-0080 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,138.92	76.22
For 14 Gauge, Level 4 Maximum Duty, Add	394.59	
For Galvanized Steel Door, Add	197.30	
For Type 304 Stainless Steel Door, Add	789.18	
For Type 316 Stainless Steel Door, Add	1,282.42	
For Embossed Panel Door, Add	236.76	
For Baked Enamel Finish, Add	318.81	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-60.76	
For >100, Deduct	-89.23	
For 2" Thick Door, Add	75.33	
For Polystyrene Core, Add	98.65	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	246.62	
For Continuously Welded And Filled Vertical Edge Seam, Add	123.31	
For Steel Stiffened, Add	246.62	
08 13 13 13-0081 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,171.93	79.40
For 14 Gauge, Level 4 Maximum Duty, Add	405.26	
For Galvanized Steel Door, Add	202.63	
For Type 304 Stainless Steel Door, Add	810.51	
For Type 316 Stainless Steel Door, Add	1,317.08	
For Embossed Panel Door, Add	243.15	
For Baked Enamel Finish, Add	327.76	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-62.57	
For >100, Deduct	-91.86	
For 2" Thick Door, Add	77.42	
For Polystyrene Core, Add	101.31	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	253.29	
For Continuously Welded And Filled Vertical Edge Seam, Add	126.64	
For Steel Stiffened, Add	253.29	
08 13 13 13-0082 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,291.29	85.75
For 14 Gauge, Level 4 Maximum Duty, Add	447.92	
For Galvanized Steel Door, Add	223.96	
For Type 304 Stainless Steel Door, Add	895.83	
For Type 316 Stainless Steel Door, Add	1,455.73	
For Embossed Panel Door, Add	268.75	
For Baked Enamel Finish, Add	361.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-68.85	
For >100, Deduct	-101.13	
For 2" Thick Door, Add	85.47	
For Polystyrene Core, Add	111.98	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	279.95	
For Continuously Welded And Filled Vertical Edge Seam, Add	139.97	
For Steel Stiffened, Add	279.95	
08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

08 13 13 13-0084	EA	2' x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,035.78	69.87
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	358.42	
			<i>For Galvanized Steel Door, Add</i>	179.21	
			<i>For Type 304 Stainless Steel Door, Add</i>	716.83	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,164.85	
			<i>For Embossed Panel Door, Add</i>	215.05	
			<i>For Baked Enamel Finish, Add</i>	289.77	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-55.28	
			<i>For >100, Deduct</i>	-81.18	
			<i>For 2" Thick Door, Add</i>	68.46	
			<i>For Polystyrene Core, Add</i>	89.60	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	224.01	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	112.01	
			<i>For Steel Stiffened, Add</i>	224.01	
08 13 13 13-0085	EA	2'-4" x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,035.78	69.87
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	358.42	
			<i>For Galvanized Steel Door, Add</i>	179.21	
			<i>For Type 304 Stainless Steel Door, Add</i>	716.83	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,164.85	
			<i>For Embossed Panel Door, Add</i>	215.05	
			<i>For Baked Enamel Finish, Add</i>	289.77	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-55.28	
			<i>For >100, Deduct</i>	-81.18	
			<i>For 2" Thick Door, Add</i>	68.46	
			<i>For Polystyrene Core, Add</i>	89.60	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	224.01	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	112.01	
			<i>For Steel Stiffened, Add</i>	224.01	
08 13 13 13-0086	EA	2'-6" x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,060.46	73.04
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	365.74	
			<i>For Galvanized Steel Door, Add</i>	182.87	
			<i>For Type 304 Stainless Steel Door, Add</i>	731.49	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,188.67	
			<i>For Embossed Panel Door, Add</i>	219.45	
			<i>For Baked Enamel Finish, Add</i>	296.22	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-56.68	
			<i>For >100, Deduct</i>	-83.19	
			<i>For 2" Thick Door, Add</i>	69.94	
			<i>For Polystyrene Core, Add</i>	91.44	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	228.59	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	114.30	
			<i>For Steel Stiffened, Add</i>	228.59	
08 13 13 13-0087	EA	2'-8" x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,074.11	73.04
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	371.20	
			<i>For Galvanized Steel Door, Add</i>	185.60	
			<i>For Type 304 Stainless Steel Door, Add</i>	742.41	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,206.41	
			<i>For Embossed Panel Door, Add</i>	222.72	
			<i>For Baked Enamel Finish, Add</i>	300.32	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-57.36	
			<i>For >100, Deduct</i>	-84.21	
			<i>For 2" Thick Door, Add</i>	70.93	
			<i>For Polystyrene Core, Add</i>	92.80	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	232.00	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	116.00	
			<i>For Steel Stiffened, Add</i>	232.00	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0088 EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,082.73	74.63
For 14 Gauge, Level 4 Maximum Duty, Add	373.39	
For Galvanized Steel Door, Add	186.69	
For Type 304 Stainless Steel Door, Add	746.78	
For Type 316 Stainless Steel Door, Add	1,213.51	
For Embossed Panel Door, Add	224.03	
For Baked Enamel Finish, Add	302.43	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.87	
For >100, Deduct	-84.94	
For 2" Thick Door, Add	71.41	
For Polystyrene Core, Add	93.35	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	233.37	
For Continuously Welded And Filled Vertical Edge Seam, Add	116.68	
For Steel Stiffened, Add	233.37	
08 13 13 13-0089 EA 3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,091.36	76.22
For 14 Gauge, Level 4 Maximum Duty, Add	375.57	
For Galvanized Steel Door, Add	187.78	
For Type 304 Stainless Steel Door, Add	751.14	
For Type 316 Stainless Steel Door, Add	1,220.60	
For Embossed Panel Door, Add	225.34	
For Baked Enamel Finish, Add	304.54	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-58.38	
For >100, Deduct	-85.66	
For 2" Thick Door, Add	71.88	
For Polystyrene Core, Add	93.89	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	234.73	
For Continuously Welded And Filled Vertical Edge Seam, Add	117.37	
For Steel Stiffened, Add	234.73	
08 13 13 13-0090 EA 3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,162.33	76.22
For 14 Gauge, Level 4 Maximum Duty, Add	403.96	
For Galvanized Steel Door, Add	201.98	
For Type 304 Stainless Steel Door, Add	807.91	
For Type 316 Stainless Steel Door, Add	1,312.86	
For Embossed Panel Door, Add	242.37	
For Baked Enamel Finish, Add	325.83	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-61.93	
For >100, Deduct	-90.99	
For 2" Thick Door, Add	77.03	
For Polystyrene Core, Add	100.99	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	252.47	
For Continuously Welded And Filled Vertical Edge Seam, Add	126.24	
For Steel Stiffened, Add	252.47	
08 13 13 13-0091 EA 3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,195.98	79.40
For 14 Gauge, Level 4 Maximum Duty, Add	414.88	
For Galvanized Steel Door, Add	207.44	
For Type 304 Stainless Steel Door, Add	829.75	
For Type 316 Stainless Steel Door, Add	1,348.35	
For Embossed Panel Door, Add	248.93	
For Baked Enamel Finish, Add	334.98	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-63.77	
For >100, Deduct	-93.67	
For 2" Thick Door, Add	79.17	
For Polystyrene Core, Add	103.72	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	259.30	
For Continuously Welded And Filled Vertical Edge Seam, Add	129.65	
For Steel Stiffened, Add	259.30	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0092	EA 4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,317.86	85.75
	For 14 Gauge, Level 4 Maximum Duty, Add	458.54	
	For Galvanized Steel Door, Add	229.27	
	For Type 304 Stainless Steel Door, Add	917.09	
	For Type 316 Stainless Steel Door, Add	1,490.27	
	For Embossed Panel Door, Add	275.13	
	For Baked Enamel Finish, Add	369.63	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-70.18	
	For >100, Deduct	-103.13	
	For 2" Thick Door, Add	87.40	
	For Polystyrene Core, Add	114.64	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	286.59	
	For Continuously Welded And Filled Vertical Edge Seam, Add	143.30	
	For Steel Stiffened, Add	286.59	
08 13 13 13-0093	7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0094	EA 2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,056.55	69.87
	For 14 Gauge, Level 4 Maximum Duty, Add	366.72	
	For Galvanized Steel Door, Add	183.36	
	For Type 304 Stainless Steel Door, Add	733.45	
	For Type 316 Stainless Steel Door, Add	1,191.85	
	For Embossed Panel Door, Add	220.03	
	For Baked Enamel Finish, Add	296.00	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-56.32	
	For >100, Deduct	-82.73	
	For 2" Thick Door, Add	69.96	
	For Polystyrene Core, Add	91.68	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	229.20	
	For Continuously Welded And Filled Vertical Edge Seam, Add	114.60	
	For Steel Stiffened, Add	229.20	
08 13 13 13-0095	EA 2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,056.55	69.87
	For 14 Gauge, Level 4 Maximum Duty, Add	366.72	
	For Galvanized Steel Door, Add	183.36	
	For Type 304 Stainless Steel Door, Add	733.45	
	For Type 316 Stainless Steel Door, Add	1,191.85	
	For Embossed Panel Door, Add	220.03	
	For Baked Enamel Finish, Add	296.00	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-56.32	
	For >100, Deduct	-82.73	
	For 2" Thick Door, Add	69.96	
	For Polystyrene Core, Add	91.68	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	229.20	
	For Continuously Welded And Filled Vertical Edge Seam, Add	114.60	
	For Steel Stiffened, Add	229.20	
08 13 13 13-0096	EA 2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,081.66	73.04
	For 14 Gauge, Level 4 Maximum Duty, Add	374.22	
	For Galvanized Steel Door, Add	187.11	
	For Type 304 Stainless Steel Door, Add	748.45	
	For Type 316 Stainless Steel Door, Add	1,216.23	
	For Embossed Panel Door, Add	224.53	
	For Baked Enamel Finish, Add	302.58	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-57.74	
	For >100, Deduct	-84.78	
	For 2" Thick Door, Add	71.48	
	For Polystyrene Core, Add	93.56	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	233.89	
	For Continuously Welded And Filled Vertical Edge Seam, Add	116.95	
	For Steel Stiffened, Add	233.89	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0097 EA 2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,095.62	73.04
For 14 Gauge, Level 4 Maximum Duty, Add	379.81	
For Galvanized Steel Door, Add	189.90	
For Type 304 Stainless Steel Door, Add	759.62	
For Type 316 Stainless Steel Door, Add	1,234.38	
For Embossed Panel Door, Add	227.88	
For Baked Enamel Finish, Add	306.77	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-58.43	
For >100, Deduct	-85.82	
For 2" Thick Door, Add	72.49	
For Polystyrene Core, Add	94.95	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	237.38	
For Continuously Welded And Filled Vertical Edge Seam, Add	118.69	
For Steel Stiffened, Add	237.38	
08 13 13 13-0098 EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,104.38	74.63
For 14 Gauge, Level 4 Maximum Duty, Add	382.05	
For Galvanized Steel Door, Add	191.02	
For Type 304 Stainless Steel Door, Add	764.10	
For Type 316 Stainless Steel Door, Add	1,241.66	
For Embossed Panel Door, Add	229.23	
For Baked Enamel Finish, Add	308.93	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-58.95	
For >100, Deduct	-86.56	
For 2" Thick Door, Add	72.98	
For Polystyrene Core, Add	95.51	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	238.78	
For Continuously Welded And Filled Vertical Edge Seam, Add	119.39	
For Steel Stiffened, Add	238.78	
08 13 13 13-0099 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,113.13	76.22
For 14 Gauge, Level 4 Maximum Duty, Add	384.28	
For Galvanized Steel Door, Add	192.14	
For Type 304 Stainless Steel Door, Add	768.55	
For Type 316 Stainless Steel Door, Add	1,248.90	
For Embossed Panel Door, Add	230.57	
For Baked Enamel Finish, Add	311.07	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-59.47	
For >100, Deduct	-87.30	
For 2" Thick Door, Add	73.46	
For Polystyrene Core, Add	96.07	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	240.17	
For Continuously Welded And Filled Vertical Edge Seam, Add	120.09	
For Steel Stiffened, Add	240.17	
08 13 13 13-0100 EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,185.75	76.22
For 14 Gauge, Level 4 Maximum Duty, Add	413.32	
For Galvanized Steel Door, Add	206.66	
For Type 304 Stainless Steel Door, Add	826.65	
For Type 316 Stainless Steel Door, Add	1,343.30	
For Embossed Panel Door, Add	247.99	
For Baked Enamel Finish, Add	332.86	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-63.10	
For >100, Deduct	-92.74	
For 2" Thick Door, Add	78.73	
For Polystyrene Core, Add	103.33	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	258.33	
For Continuously Welded And Filled Vertical Edge Seam, Add	129.16	
For Steel Stiffened, Add	258.33	

08 Openings

08 10 Doors and Frames

08 13 Metal Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0101 EA 3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,220.02	79.40
For 14 Gauge, Level 4 Maximum Duty, Add	424.49	
For Galvanized Steel Door, Add	212.25	
For Type 304 Stainless Steel Door, Add	848.98	
For Type 316 Stainless Steel Door, Add	1,379.60	
For Embossed Panel Door, Add	254.70	
For Baked Enamel Finish, Add	342.19	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-64.97	
For >100, Deduct	-95.47	
For 2" Thick Door, Add	80.91	
For Polystyrene Core, Add	106.12	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	265.31	
For Continuously Welded And Filled Vertical Edge Seam, Add	132.65	
For Steel Stiffened, Add	265.31	
08 13 13 13-0102 EA 4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,344.44	85.75
For 14 Gauge, Level 4 Maximum Duty, Add	469.18	
For Galvanized Steel Door, Add	234.59	
For Type 304 Stainless Steel Door, Add	938.35	
For Type 316 Stainless Steel Door, Add	1,524.82	
For Embossed Panel Door, Add	281.51	
For Baked Enamel Finish, Add	377.61	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-71.51	
For >100, Deduct	-105.12	
For 2" Thick Door, Add	89.33	
For Polystyrene Core, Add	117.29	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	293.24	
For Continuously Welded And Filled Vertical Edge Seam, Add	146.62	
For Steel Stiffened, Add	293.24	
08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0104 EA 2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,227.90	69.87
For Up To 1' Extra Height, Add	301.09	
For 14 Gauge, Level 4 Maximum Duty, Add	435.26	
For Galvanized Steel Door, Add	217.63	
For Type 304 Stainless Steel Door, Add	870.53	
For Type 316 Stainless Steel Door, Add	1,414.61	
For Embossed Panel Door, Add	261.16	
For Baked Enamel Finish, Add	347.41	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-64.89	
For >100, Deduct	-95.59	
For 2" Thick Door, Add	82.39	
For Polystyrene Core, Add	108.82	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	272.04	
For Continuously Welded And Filled Vertical Edge Seam, Add	136.02	
For Steel Stiffened, Add	272.04	
08 13 13 13-0105 EA 2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,227.90	69.87
For Up To 1' Extra Height, Add	301.09	
For 14 Gauge, Level 4 Maximum Duty, Add	435.26	
For Galvanized Steel Door, Add	217.63	
For Type 304 Stainless Steel Door, Add	870.53	
For Type 316 Stainless Steel Door, Add	1,414.61	
For Embossed Panel Door, Add	261.16	
For Baked Enamel Finish, Add	347.41	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-64.89	
For >100, Deduct	-95.59	
For 2" Thick Door, Add	82.39	
For Polystyrene Core, Add	108.82	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	272.04	
For Continuously Welded And Filled Vertical Edge Seam, Add	136.02	
For Steel Stiffened, Add	272.04	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0106 EA 2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,256.51	73.04
For Up To 1' Extra Height, Add	307.25	
For 14 Gauge, Level 4 Maximum Duty, Add	444.16	
For Galvanized Steel Door, Add	222.08	
For Type 304 Stainless Steel Door, Add	888.33	
For Type 316 Stainless Steel Door, Add	1,443.53	
For Embossed Panel Door, Add	266.50	
For Baked Enamel Finish, Add	355.04	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-66.48	
For >100, Deduct	-97.89	
For 2" Thick Door, Add	84.16	
For Polystyrene Core, Add	111.04	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	277.60	
For Continuously Welded And Filled Vertical Edge Seam, Add	138.80	
For Steel Stiffened, Add	277.60	
08 13 13 13-0107 EA 2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,273.09	73.04
For Up To 1' Extra Height, Add	311.84	
For 14 Gauge, Level 4 Maximum Duty, Add	450.80	
For Galvanized Steel Door, Add	225.40	
For Type 304 Stainless Steel Door, Add	901.59	
For Type 316 Stainless Steel Door, Add	1,465.09	
For Embossed Panel Door, Add	270.48	
For Baked Enamel Finish, Add	360.01	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-67.31	
For >100, Deduct	-99.13	
For 2" Thick Door, Add	85.36	
For Polystyrene Core, Add	112.70	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	281.75	
For Continuously Welded And Filled Vertical Edge Seam, Add	140.87	
For Steel Stiffened, Add	281.75	
08 13 13 13-0108 EA 2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,282.87	74.63
For Up To 1' Extra Height, Add	313.67	
For 14 Gauge, Level 4 Maximum Duty, Add	453.44	
For Galvanized Steel Door, Add	226.72	
For Type 304 Stainless Steel Door, Add	906.89	
For Type 316 Stainless Steel Door, Add	1,473.69	
For Embossed Panel Door, Add	272.07	
For Baked Enamel Finish, Add	362.47	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-67.88	
For >100, Deduct	-99.95	
For 2" Thick Door, Add	85.92	
For Polystyrene Core, Add	113.36	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	283.40	
For Continuously Welded And Filled Vertical Edge Seam, Add	141.70	
For Steel Stiffened, Add	283.40	
08 13 13 13-0109 EA 3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,292.68	76.22
For Up To 1' Extra Height, Add	315.50	
For 14 Gauge, Level 4 Maximum Duty, Add	456.10	
For Galvanized Steel Door, Add	228.05	
For Type 304 Stainless Steel Door, Add	912.19	
For Type 316 Stainless Steel Door, Add	1,482.31	
For Embossed Panel Door, Add	273.66	
For Baked Enamel Finish, Add	364.94	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-68.45	
For >100, Deduct	-100.76	
For 2" Thick Door, Add	86.48	
For Polystyrene Core, Add	114.02	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	285.06	
For Continuously Welded And Filled Vertical Edge Seam, Add	142.53	
For Steel Stiffened, Add	285.06	

08	Openings
08 10	Doors and Frames
08 13	Metal Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0110 EA 3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,378.86	76.22
For Up To 1' Extra Height, Add	339.35	
For 14 Gauge, Level 4 Maximum Duty, Add	490.57	
For Galvanized Steel Door, Add	245.28	
For Type 304 Stainless Steel Door, Add	981.14	
For Type 316 Stainless Steel Door, Add	1,594.35	
For Embossed Panel Door, Add	294.34	
For Baked Enamel Finish, Add	390.79	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-72.75	
For >100, Deduct	-107.23	
For 2" Thick Door, Add	92.73	
For Polystyrene Core, Add	122.64	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	306.61	
For Continuously Welded And Filled Vertical Edge Seam, Add	153.30	
For Steel Stiffened, Add	306.61	
08 13 13 13-0111 EA 3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,418.36	79.40
For Up To 1' Extra Height, Add	348.52	
For 1' To 1'-6" Extra Height, Add	664.93	
For 14 Gauge, Level 4 Maximum Duty, Add	503.83	
For Galvanized Steel Door, Add	251.91	
For Type 304 Stainless Steel Door, Add	1,007.66	
For Type 316 Stainless Steel Door, Add	1,637.44	
For Embossed Panel Door, Add	302.30	
For Baked Enamel Finish, Add	401.69	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-74.89	
For >100, Deduct	-110.35	
For 2" Thick Door, Add	95.29	
For Polystyrene Core, Add	125.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	314.89	
For Continuously Welded And Filled Vertical Edge Seam, Add	157.45	
For Steel Stiffened, Add	314.89	
08 13 13 13-0112 EA 4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,563.65	85.75
For Up To 1' Extra Height, Add	385.21	
For 1' To 1'-6" Extra Height, Add	734.92	
For 14 Gauge, Level 4 Maximum Duty, Add	556.86	
For Galvanized Steel Door, Add	278.43	
For Type 304 Stainless Steel Door, Add	1,113.72	
For Type 316 Stainless Steel Door, Add	1,809.80	
For Embossed Panel Door, Add	334.12	
For Baked Enamel Finish, Add	443.37	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-82.47	
For >100, Deduct	-121.56	
For 2" Thick Door, Add	105.22	
For Polystyrene Core, Add	139.22	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	348.04	
For Continuously Welded And Filled Vertical Edge Seam, Add	174.02	
For Steel Stiffened, Add	348.04	
08 13 13 53 Custom Hollow Metal Doors <small>(08 13 13)</small>		
08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door <small>(08 13 13 53)</small>		
08 13 13 53-0002 EA 2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,257.46	158.79
For 16 Gauge Door, Add	20.30	
08 13 13 53-0003 EA 2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,364.66	190.56
For 16 Gauge Door, Add	20.30	
08 13 73 Sliding Metal Doors <small>(08 13)</small>		
08 13 73 00-0001 Sliding Bypass Mirror Doors <small>(08 13 73)</small>		
Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002 EA 4' x 6' 8", Sliding Bypass Mirror Doors	512.70	95.28
08 13 73 00-0003 EA 5' x 6' 8", Sliding Bypass Mirror Doors	581.43	101.63
08 13 73 00-0004 EA 6' x 6' 8", Sliding Bypass Mirror Doors	650.16	107.98
08 13 73 00-0005 EA 8' x 6' 8", Sliding Bypass Mirror Doors	774.92	114.33
08 14 Wood Doors <small>(08 10)</small>		
Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001	1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)		
08 14 16 00-0002	Birch Faced Wood Door (08 14 16 00-0001)		
08 14 16 00-0003	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	254.43	69.87
	For >50 To 100, Deduct	-16.22	
	For >100, Deduct	-22.58	
08 14 16 00-0004	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	254.43	69.87
	For >50 To 100, Deduct	-16.22	
	For >100, Deduct	-22.58	
08 14 16 00-0005	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	268.92	73.04
	For >50 To 100, Deduct	-17.10	
	For >100, Deduct	-23.82	
08 14 16 00-0006	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	274.90	73.04
	For >50 To 100, Deduct	-17.40	
	For >100, Deduct	-24.27	
08 14 16 00-0007	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	276.30	73.04
	For >50 To 100, Deduct	-17.47	
	For >100, Deduct	-24.38	
08 14 16 00-0008	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	283.35	76.22
	For >50 To 100, Deduct	-17.98	
	For >100, Deduct	-25.06	
08 14 16 00-0009	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	296.13	76.22
	For >50 To 100, Deduct	-18.62	
	For >100, Deduct	-26.02	
08 14 16 00-0010	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	311.68	79.40
	For >50 To 100, Deduct	-19.55	
	For >100, Deduct	-27.35	
08 14 16 00-0011	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	261.12	69.87
	For >50 To 100, Deduct	-16.55	
	For >100, Deduct	-23.08	
08 14 16 00-0012	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	261.12	69.87
	For >50 To 100, Deduct	-16.55	
	For >100, Deduct	-23.08	
08 14 16 00-0013	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	276.08	73.04
	For >50 To 100, Deduct	-17.46	
	For >100, Deduct	-24.36	
08 14 16 00-0014	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	282.40	73.04
	For >50 To 100, Deduct	-17.77	
	For >100, Deduct	-24.83	
08 14 16 00-0015	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	283.88	73.04
	For >50 To 100, Deduct	-17.85	
	For >100, Deduct	-24.94	
08 14 16 00-0016	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	290.96	76.22
	For >50 To 100, Deduct	-18.36	
	For >100, Deduct	-25.63	
08 14 16 00-0017	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	304.49	76.22
	For >50 To 100, Deduct	-19.04	
	For >100, Deduct	-26.65	
08 14 16 00-0018	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.57	79.40
	For >50 To 100, Deduct	-20.00	
	For >100, Deduct	-28.01	
08 14 16 00-0019	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	284.78	69.87
	For >50 To 100, Deduct	-17.73	
	For >100, Deduct	-24.85	
	For 9' Door Height, Add	30.46	
08 14 16 00-0020	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	284.78	69.87
	For >50 To 100, Deduct	-17.73	
	For >100, Deduct	-24.85	
	For 9' Door Height, Add	30.46	
08 14 16 00-0021	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	301.43	73.04
	For >50 To 100, Deduct	-18.72	
	For >100, Deduct	-26.26	
	For 9' Door Height, Add	32.62	
08 14 16 00-0022	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.97	73.04
	For >50 To 100, Deduct	-19.10	
	For >100, Deduct	-26.83	
	For 9' Door Height, Add	34.20	
08 14 16 00-0023	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	310.75	73.04
	For >50 To 100, Deduct	-19.19	
	For >100, Deduct	-26.96	
	For 9' Door Height, Add	34.58	
08 14 16 00-0024	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	317.97	76.22
	For >50 To 100, Deduct	-19.71	
	For >100, Deduct	-27.66	
	For 9' Door Height, Add	34.76	
08 14 16 00-0025	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	334.14	76.22
	For >50 To 100, Deduct	-20.52	
	For >100, Deduct	-28.87	
	For 9' Door Height, Add	38.16	
08 14 16 00-0026	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	352.11	79.40
	For >50 To 100, Deduct	-21.58	
	For >100, Deduct	-30.38	
	For 9' Door Height, Add	40.60	

08	08	Openings
	08 10	Doors and Frames
	08 14	Wood Doors



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0027 Oak Faced Wood Door <small>(08 14 16 00-0001)</small>				
08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	314.32	69.87
		<i>For >50 To 100, Deduct</i>	-19.21	
		<i>For >100, Deduct</i>	-27.07	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	314.32	69.87
		<i>For >50 To 100, Deduct</i>	-19.21	
		<i>For >100, Deduct</i>	-27.07	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	333.05	73.04
		<i>For >50 To 100, Deduct</i>	-20.31	
		<i>For >100, Deduct</i>	-28.63	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	342.15	73.04
		<i>For >50 To 100, Deduct</i>	-20.76	
		<i>For >100, Deduct</i>	-29.31	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	343.76	73.04
		<i>For >50 To 100, Deduct</i>	-20.84	
		<i>For >100, Deduct</i>	-29.43	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	351.70	76.22
		<i>For >50 To 100, Deduct</i>	-21.40	
		<i>For >100, Deduct</i>	-30.19	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	371.14	76.22
		<i>For >50 To 100, Deduct</i>	-22.37	
		<i>For >100, Deduct</i>	-31.65	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	391.49	79.40
		<i>For >50 To 100, Deduct</i>	-23.54	
		<i>For >100, Deduct</i>	-33.33	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	324.47	69.87
		<i>For >50 To 100, Deduct</i>	-19.72	
		<i>For >100, Deduct</i>	-27.83	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	324.47	69.87
		<i>For >50 To 100, Deduct</i>	-19.72	
		<i>For >100, Deduct</i>	-27.83	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	343.93	73.04
		<i>For >50 To 100, Deduct</i>	-20.85	
		<i>For >100, Deduct</i>	-29.45	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	353.56	73.04
		<i>For >50 To 100, Deduct</i>	-21.33	
		<i>For >100, Deduct</i>	-30.17	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	355.26	73.04
		<i>For >50 To 100, Deduct</i>	-21.42	
		<i>For >100, Deduct</i>	-30.30	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	363.29	76.22
		<i>For >50 To 100, Deduct</i>	-21.98	
		<i>For >100, Deduct</i>	-31.06	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	383.86	76.22
		<i>For >50 To 100, Deduct</i>	-23.00	
		<i>For >100, Deduct</i>	-32.60	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	405.03	79.40
		<i>For >50 To 100, Deduct</i>	-24.22	
		<i>For >100, Deduct</i>	-34.35	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	360.51	69.87
		<i>For >50 To 100, Deduct</i>	-21.52	
		<i>For >100, Deduct</i>	-30.53	
		<i>For 9' Door Height, Add</i>	46.36	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	360.51	69.87
		<i>For >50 To 100, Deduct</i>	-21.52	
		<i>For >100, Deduct</i>	-30.53	
		<i>For 9' Door Height, Add</i>	46.36	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	382.51	73.04
		<i>For >50 To 100, Deduct</i>	-22.78	
		<i>For >100, Deduct</i>	-32.34	
		<i>For 9' Door Height, Add</i>	49.65	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	394.00	73.04
		<i>For >50 To 100, Deduct</i>	-23.35	
		<i>For >100, Deduct</i>	-33.20	
		<i>For 9' Door Height, Add</i>	52.06	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	396.05	73.04
		<i>For >50 To 100, Deduct</i>	-23.46	
		<i>For >100, Deduct</i>	-33.36	
		<i>For 9' Door Height, Add</i>	52.49	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	404.40	76.22
		<i>For >50 To 100, Deduct</i>	-24.03	
		<i>For >100, Deduct</i>	-34.14	
		<i>For 9' Door Height, Add</i>	52.91	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	429.00	76.22
		<i>For >50 To 100, Deduct</i>	-25.26	
		<i>For >100, Deduct</i>	-35.99	
		<i>For 9' Door Height, Add</i>	58.08	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	453.06	79.40
		<i>For >50 To 100, Deduct</i>	-26.62	
		<i>For >100, Deduct</i>	-37.95	
		<i>For 9' Door Height, Add</i>	61.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-----	-----	-------------	------------------------	----------------------

08 14 16 00-0052 Maple Faced Wood Door <small>(08 14 16 00-0001)</small>						
08 14 16 00-0053	EA	2'-0"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	309.98	69.87
				<i>For >50 To 100, Deduct</i>	-18.99	
				<i>For >100, Deduct</i>	-26.74	
08 14 16 00-0054	EA	2'-4"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	309.98	69.87
				<i>For >50 To 100, Deduct</i>	-18.99	
				<i>For >100, Deduct</i>	-26.74	
08 14 16 00-0055	EA	2'-6"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.39	73.04
				<i>For >50 To 100, Deduct</i>	-20.07	
				<i>For >100, Deduct</i>	-28.28	
08 14 16 00-0056	EA	2'-8"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	337.28	73.04
				<i>For >50 To 100, Deduct</i>	-20.52	
				<i>For >100, Deduct</i>	-28.95	
08 14 16 00-0057	EA	2'-10"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	338.85	73.04
				<i>For >50 To 100, Deduct</i>	-20.60	
				<i>For >100, Deduct</i>	-29.07	
08 14 16 00-0058	EA	3'-0"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	346.75	76.22
				<i>For >50 To 100, Deduct</i>	-21.15	
				<i>For >100, Deduct</i>	-29.82	
08 14 16 00-0059	EA	3'-4"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	365.70	76.22
				<i>For >50 To 100, Deduct</i>	-22.10	
				<i>For >100, Deduct</i>	-31.24	
08 14 16 00-0060	EA	3'-6"	x 6'-8"	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	385.70	79.40
				<i>For >50 To 100, Deduct</i>	-23.25	
				<i>For >100, Deduct</i>	-32.90	
08 14 16 00-0061	EA	2'-0"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	319.87	69.87
				<i>For >50 To 100, Deduct</i>	-19.49	
				<i>For >100, Deduct</i>	-27.48	
08 14 16 00-0062	EA	2'-4"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	319.87	69.87
				<i>For >50 To 100, Deduct</i>	-19.49	
				<i>For >100, Deduct</i>	-27.48	
08 14 16 00-0063	EA	2'-6"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	339.01	73.04
				<i>For >50 To 100, Deduct</i>	-20.60	
				<i>For >100, Deduct</i>	-29.08	
08 14 16 00-0064	EA	2'-8"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.40	73.04
				<i>For >50 To 100, Deduct</i>	-21.07	
				<i>For >100, Deduct</i>	-29.78	
08 14 16 00-0065	EA	2'-10"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	350.06	73.04
				<i>For >50 To 100, Deduct</i>	-21.16	
				<i>For >100, Deduct</i>	-29.91	
08 14 16 00-0066	EA	3'-0"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	358.04	76.22
				<i>For >50 To 100, Deduct</i>	-21.71	
				<i>For >100, Deduct</i>	-30.66	
08 14 16 00-0067	EA	3'-4"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	378.10	76.22
				<i>For >50 To 100, Deduct</i>	-22.72	
				<i>For >100, Deduct</i>	-32.17	
08 14 16 00-0068	EA	3'-6"	x 7'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	398.91	79.40
				<i>For >50 To 100, Deduct</i>	-23.92	
				<i>For >100, Deduct</i>	-33.89	
08 14 16 00-0069	EA	2'-0"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	355.01	69.87
				<i>For >50 To 100, Deduct</i>	-21.24	
				<i>For >100, Deduct</i>	-30.12	
				<i>For 9' Door Height, Add</i>	45.21	
08 14 16 00-0070	EA	2'-4"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	355.01	69.87
				<i>For >50 To 100, Deduct</i>	-21.24	
				<i>For >100, Deduct</i>	-30.12	
				<i>For 9' Door Height, Add</i>	45.21	
08 14 16 00-0071	EA	2'-6"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.62	73.04
				<i>For >50 To 100, Deduct</i>	-22.48	
				<i>For >100, Deduct</i>	-31.90	
				<i>For 9' Door Height, Add</i>	48.41	
08 14 16 00-0072	EA	2'-8"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.83	73.04
				<i>For >50 To 100, Deduct</i>	-23.04	
				<i>For >100, Deduct</i>	-32.74	
				<i>For 9' Door Height, Add</i>	50.76	
08 14 16 00-0073	EA	2'-10"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	389.83	73.04
				<i>For >50 To 100, Deduct</i>	-23.14	
				<i>For >100, Deduct</i>	-32.89	
				<i>For 9' Door Height, Add</i>	51.18	
08 14 16 00-0074	EA	3'-0"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	398.13	76.22
				<i>For >50 To 100, Deduct</i>	-23.72	
				<i>For >100, Deduct</i>	-33.67	
				<i>For 9' Door Height, Add</i>	51.59	
08 14 16 00-0075	EA	3'-4"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	422.13	76.22
				<i>For >50 To 100, Deduct</i>	-24.92	
				<i>For >100, Deduct</i>	-35.47	
				<i>For 9' Door Height, Add</i>	56.63	
08 14 16 00-0076	EA	3'-6"	x 8'	1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	445.74	79.40
				<i>For >50 To 100, Deduct</i>	-26.26	
				<i>For >100, Deduct</i>	-37.40	
				<i>For 9' Door Height, Add</i>	60.26	

08 14 16 00-0077 Lauan Faced Wood Doors (08 14 16 00-0001)

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	226.94 -14.84 -20.51	69.87
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	226.94 -14.84 -20.51	69.87
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	239.21 -15.61 -21.59	73.04
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	244.20 -15.86 -21.97	73.04
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	245.96 -15.95 -22.10	73.04
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	254.06 -16.51 -22.87	76.22
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	263.77 -17.00 -23.59	76.22
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	277.26 -17.83 -24.76	79.40
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	232.01 -15.09 -20.89	69.87
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	230.48 -15.02 -20.78	69.87
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	244.63 -15.88 -22.00	73.04
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	249.90 -16.15 -22.40	73.04
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	250.03 -16.15 -22.40	73.04
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	259.97 -16.81 -23.31	76.22
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	270.25 -17.32 -24.08	76.22
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	282.08 -18.07 -25.13	79.40
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	250.01 -15.99 -22.24 23.16	69.87
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	249.99 -15.99 -22.24 23.15	69.87
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	263.84 -16.84 -23.44 24.73	73.04
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	270.14 -17.16 -23.91 26.05	73.04
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	272.38 -17.27 -24.08 26.52	73.04
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	280.94 -17.86 -24.88 26.99	76.22
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	293.23 -18.47 -25.80 29.57	76.22
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	308.57 -19.40 -27.11 31.45	79.40

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0103	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	242.49 -15.62 -21.68	69.87
08 14 16 00-0104	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	242.49 -15.62 -21.68	69.87
08 14 16 00-0105	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	256.35 -16.47 -22.88	73.04
08 14 16 00-0106	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	259.89 -16.65 -23.14	73.04
08 14 16 00-0107	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	263.46 -16.83 -23.41	73.04
08 14 16 00-0108	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	273.34 -17.48 -24.31	76.22
08 14 16 00-0109	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	286.64 -18.14 -25.31	76.22
08 14 16 00-0110	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	301.57 -19.05 -26.59	79.40
08 14 16 00-0111	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	248.47 -15.92 -22.13	69.87
08 14 16 00-0112	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	248.47 -15.92 -22.13	69.87
08 14 16 00-0113	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	262.75 -16.79 -23.36	73.04
08 14 16 00-0114	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	266.52 -16.98 -23.64	73.04
08 14 16 00-0115	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	270.29 -17.17 -23.92	73.04
08 14 16 00-0116	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	280.38 -17.83 -24.84	76.22
08 14 16 00-0117	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	294.45 -18.53 -25.89	76.22
08 14 16 00-0118	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	309.88 -19.46 -27.21	79.40
08 14 16 00-0119	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	269.65 -16.98 -23.72 27.28	69.87
08 14 16 00-0120	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	269.68 -16.98 -23.72 27.29	69.87
08 14 16 00-0121	EA			2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	285.50 -17.93 -25.07 29.27	73.04
08 14 16 00-0122	EA			2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	290.01 -18.15 -25.40 30.22	73.04
08 14 16 00-0123	EA			2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	294.52 -18.38 -25.74 31.17	73.04
08 14 16 00-0124	EA			3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	305.34 -19.08 -26.71 32.11	76.22
08 14 16 00-0125	EA			3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	322.16 -19.92 -27.97 35.64	76.22
08 14 16 00-0126	EA			3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	339.35 -20.94 -29.42 37.92	79.40
08 14 16 00-0127				1-3/4" Thick, Hollow Core (HC), Wood Doors <small>(08 14 16)</small>		
08 14 16 00-0128				Birch Faced Wood Doors <small>(08 14 16 00-0127)</small>		

08	Openings
08 10	Doors and Frames
08 14	Wood Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0129 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	283.10	69.87
For>50 To 100, Deduct	-17.65	
For>100, Deduct	-24.73	
08 14 16 00-0130 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	283.10	69.87
For>50 To 100, Deduct	-17.65	
For>100, Deduct	-24.73	
08 14 16 00-0131 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	294.86	73.04
For>50 To 100, Deduct	-18.40	
For>100, Deduct	-25.77	
08 14 16 00-0132 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	296.88	73.04
For>50 To 100, Deduct	-18.50	
For>100, Deduct	-25.92	
08 14 16 00-0133 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	301.29	73.04
For>50 To 100, Deduct	-18.72	
For>100, Deduct	-26.25	
08 14 16 00-0134 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	312.04	76.22
For>50 To 100, Deduct	-19.41	
For>100, Deduct	-27.21	
08 14 16 00-0135 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	335.44	76.22
For>50 To 100, Deduct	-20.58	
For>100, Deduct	-28.97	
08 14 16 00-0136 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	389.28	79.40
For>50 To 100, Deduct	-23.43	
For>100, Deduct	-33.17	
08 14 16 00-0137 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	400.81	79.40
For>50 To 100, Deduct	-24.01	
For>100, Deduct	-34.03	
08 14 16 00-0138 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	423.86	79.40
For>50 To 100, Deduct	-25.16	
For>100, Deduct	-35.76	
08 14 16 00-0139 EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	291.45	69.87
For>50 To 100, Deduct	-18.07	
For>100, Deduct	-25.35	
08 14 16 00-0140 EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	291.44	69.87
For>50 To 100, Deduct	-18.07	
For>100, Deduct	-25.35	
08 14 16 00-0141 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	303.52	73.04
For>50 To 100, Deduct	-18.83	
For>100, Deduct	-26.42	
08 14 16 00-0142 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	305.65	73.04
For>50 To 100, Deduct	-18.94	
For>100, Deduct	-26.58	
08 14 16 00-0143 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	310.32	73.04
For>50 To 100, Deduct	-19.17	
For>100, Deduct	-26.93	
08 14 16 00-0144 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.32	76.22
For>50 To 100, Deduct	-19.88	
For>100, Deduct	-27.91	
08 14 16 00-0145 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	346.09	76.22
For>50 To 100, Deduct	-21.12	
For>100, Deduct	-29.77	
08 14 16 00-0146 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	402.71	79.40
For>50 To 100, Deduct	-24.11	
For>100, Deduct	-34.17	
08 14 16 00-0147 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	414.89	79.40
For>50 To 100, Deduct	-24.71	
For>100, Deduct	-35.09	
08 14 16 00-0148 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	439.29	79.40
For>50 To 100, Deduct	-25.93	
For>100, Deduct	-36.92	
08 14 16 00-0149 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.03	69.87
For>50 To 100, Deduct	-19.55	
For>100, Deduct	-27.57	
For 9' Door Height, Add	38.07	
08 14 16 00-0150 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.03	69.87
For>50 To 100, Deduct	-19.55	
For>100, Deduct	-27.57	
For 9' Door Height, Add	38.07	
08 14 16 00-0151 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	334.22	73.04
For>50 To 100, Deduct	-20.36	
For>100, Deduct	-28.72	
For 9' Door Height, Add	39.51	
08 14 16 00-0152 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	336.76	73.04
For>50 To 100, Deduct	-20.49	
For>100, Deduct	-28.91	
For 9' Door Height, Add	40.04	
08 14 16 00-0153 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	342.36	73.04
For>50 To 100, Deduct	-20.77	
For>100, Deduct	-29.33	
For 9' Door Height, Add	41.21	
08 14 16 00-0154 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	354.24	76.22
For>50 To 100, Deduct	-21.52	
For>100, Deduct	-30.38	
For 9' Door Height, Add	42.38	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0155	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	383.86 -23.00 -32.60 48.60	76.22
08 14 16 00-0156	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	450.27 -26.48 -37.74 61.21	79.40
08 14 16 00-0157	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	464.83 -27.21 -38.83 64.27	79.40
08 14 16 00-0158	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	493.99 -28.67 -41.02 70.39	79.40
08 14 16 00-0159 Oak Faced Wood Doors <small>(08 14 16 00-0127)</small>					
08 14 16 00-0160	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.89 -22.09 -31.39	69.87
08 14 16 00-0161	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.89 -22.09 -31.39	69.87
08 14 16 00-0162	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	386.97 -23.00 -32.68	73.04
08 14 16 00-0163	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	390.24 -23.16 -32.92	73.04
08 14 16 00-0164	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	397.39 -23.52 -33.46	73.04
08 14 16 00-0165	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	410.85 -24.35 -34.62	76.22
08 14 16 00-0166	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	448.75 -26.25 -37.47	76.22
08 14 16 00-0167	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	532.02 -30.57 -43.87	79.40
08 14 16 00-0168	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	550.69 -31.50 -45.27	79.40
08 14 16 00-0169	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	588.04 -33.37 -48.07	79.40
08 14 16 00-0170	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	385.39 -22.76 -32.40	69.87
08 14 16 00-0171	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	385.40 -22.76 -32.40	69.87
08 14 16 00-0172	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	400.99 -23.70 -33.73	73.04
08 14 16 00-0173	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	404.45 -23.88 -33.99	73.04
08 14 16 00-0174	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	412.01 -24.25 -34.55	73.04
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	425.89 -25.11 -35.75	76.22
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	466.00 -27.11 -38.76	76.22
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	553.74 -31.66 -45.50	79.40
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	573.51 -32.65 -46.98	79.40
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	613.02 -34.62 -49.95	79.40
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	433.28 -25.16 -35.99 61.64	69.87

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	433.31	69.87
			<i>For >50 To 100, Deduct</i>	-25.16	
			<i>For >100, Deduct</i>	-35.99	
			<i>For 9' Door Height, Add</i>	61.65	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	450.70	73.04
			<i>For >50 To 100, Deduct</i>	-26.19	
			<i>For >100, Deduct</i>	-37.46	
			<i>For 9' Door Height, Add</i>	63.97	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	454.81	73.04
			<i>For >50 To 100, Deduct</i>	-26.39	
			<i>For >100, Deduct</i>	-37.76	
			<i>For 9' Door Height, Add</i>	64.83	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	463.86	73.04
			<i>For >50 To 100, Deduct</i>	-26.85	
			<i>For >100, Deduct</i>	-38.44	
			<i>For 9' Door Height, Add</i>	66.73	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	479.22	76.22
			<i>For >50 To 100, Deduct</i>	-27.77	
			<i>For >100, Deduct</i>	-39.75	
			<i>For 9' Door Height, Add</i>	68.62	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	527.16	76.22
			<i>For >50 To 100, Deduct</i>	-30.17	
			<i>For >100, Deduct</i>	-43.35	
			<i>For 9' Door Height, Add</i>	78.69	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	630.76	79.40
			<i>For >50 To 100, Deduct</i>	-35.51	
			<i>For >100, Deduct</i>	-51.28	
			<i>For 9' Door Height, Add</i>	99.11	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	654.40	79.40
			<i>For >50 To 100, Deduct</i>	-36.69	
			<i>For >100, Deduct</i>	-53.05	
			<i>For 9' Door Height, Add</i>	104.08	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	701.61	79.40
			<i>For >50 To 100, Deduct</i>	-39.05	
			<i>For >100, Deduct</i>	-56.59	
			<i>For 9' Door Height, Add</i>	113.99	
08 14 16 00-0190			Maple Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	366.11	69.87
			<i>For >50 To 100, Deduct</i>	-21.80	
			<i>For >100, Deduct</i>	-30.95	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	366.11	69.87
			<i>For >50 To 100, Deduct</i>	-21.80	
			<i>For >100, Deduct</i>	-30.95	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	380.98	73.04
			<i>For >50 To 100, Deduct</i>	-22.70	
			<i>For >100, Deduct</i>	-32.23	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	384.30	73.04
			<i>For >50 To 100, Deduct</i>	-22.87	
			<i>For >100, Deduct</i>	-32.48	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	391.20	73.04
			<i>For >50 To 100, Deduct</i>	-23.21	
			<i>For >100, Deduct</i>	-32.99	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	404.42	76.22
			<i>For >50 To 100, Deduct</i>	-24.03	
			<i>For >100, Deduct</i>	-34.14	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.38	76.22
			<i>For >50 To 100, Deduct</i>	-25.88	
			<i>For >100, Deduct</i>	-36.91	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	504.64	79.40
			<i>For >50 To 100, Deduct</i>	-29.20	
			<i>For >100, Deduct</i>	-41.82	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	540.94	79.40
			<i>For >50 To 100, Deduct</i>	-31.02	
			<i>For >100, Deduct</i>	-44.54	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	577.36	79.40
			<i>For >50 To 100, Deduct</i>	-32.84	
			<i>For >100, Deduct</i>	-47.27	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	379.29	69.87
			<i>For >50 To 100, Deduct</i>	-22.46	
			<i>For >100, Deduct</i>	-31.94	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	379.29	69.87
			<i>For >50 To 100, Deduct</i>	-22.46	
			<i>For >100, Deduct</i>	-31.94	
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	394.64	73.04
			<i>For >50 To 100, Deduct</i>	-23.38	
			<i>For >100, Deduct</i>	-33.25	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	398.17	73.04
			<i>For >50 To 100, Deduct</i>	-23.56	
			<i>For >100, Deduct</i>	-33.52	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	405.45	73.04
			<i>For >50 To 100, Deduct</i>	-23.93	
			<i>For >100, Deduct</i>	-34.06	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		419.07	76.22
		<i>For >50 To 100, Deduct</i>		-24.76	
		<i>For >100, Deduct</i>		-35.24	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		458.19	76.22
		<i>For >50 To 100, Deduct</i>		-26.72	
		<i>For >100, Deduct</i>		-38.18	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		524.67	79.40
		<i>For >50 To 100, Deduct</i>		-30.20	
		<i>For >100, Deduct</i>		-43.32	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		563.20	79.40
		<i>For >50 To 100, Deduct</i>		-32.13	
		<i>For >100, Deduct</i>		-46.21	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		601.71	79.40
		<i>For >50 To 100, Deduct</i>		-34.06	
		<i>For >100, Deduct</i>		-49.10	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		426.00	69.87
		<i>For >50 To 100, Deduct</i>		-24.79	
		<i>For >100, Deduct</i>		-35.44	
		<i>For 9' Door Height, Add</i>		60.11	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		426.00	69.87
		<i>For >50 To 100, Deduct</i>		-24.79	
		<i>For >100, Deduct</i>		-35.44	
		<i>For 9' Door Height, Add</i>		60.11	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		443.10	73.04
		<i>For >50 To 100, Deduct</i>		-25.81	
		<i>For >100, Deduct</i>		-36.89	
		<i>For 9' Door Height, Add</i>		62.37	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		447.32	73.04
		<i>For >50 To 100, Deduct</i>		-26.02	
		<i>For >100, Deduct</i>		-37.20	
		<i>For 9' Door Height, Add</i>		63.26	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		456.00	73.04
		<i>For >50 To 100, Deduct</i>		-26.45	
		<i>For >100, Deduct</i>		-37.85	
		<i>For 9' Door Height, Add</i>		65.08	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		471.07	76.22
		<i>For >50 To 100, Deduct</i>		-27.36	
		<i>For >100, Deduct</i>		-39.14	
		<i>For 9' Door Height, Add</i>		66.91	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		517.80	76.22
		<i>For >50 To 100, Deduct</i>		-29.70	
		<i>For >100, Deduct</i>		-42.65	
		<i>For 9' Door Height, Add</i>		76.73	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		596.04	79.40
		<i>For >50 To 100, Deduct</i>		-33.77	
		<i>For >100, Deduct</i>		-48.67	
		<i>For 9' Door Height, Add</i>		91.82	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		642.07	79.40
		<i>For >50 To 100, Deduct</i>		-36.07	
		<i>For >100, Deduct</i>		-52.13	
		<i>For 9' Door Height, Add</i>		101.49	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....		688.11	79.40
		<i>For >50 To 100, Deduct</i>		-38.38	
		<i>For >100, Deduct</i>		-55.58	
		<i>For 9' Door Height, Add</i>		111.16	
08 14 16 00-0221		Walnut Faced Wood Doors <small>(08 14 16 00-0127)</small>			
08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		454.23	69.87
		<i>For >50 To 100, Deduct</i>		-26.21	
		<i>For >100, Deduct</i>		-37.56	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		454.23	69.87
		<i>For >50 To 100, Deduct</i>		-26.21	
		<i>For >100, Deduct</i>		-37.56	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		462.78	73.04
		<i>For >50 To 100, Deduct</i>		-26.79	
		<i>For >100, Deduct</i>		-38.36	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		476.73	73.04
		<i>For >50 To 100, Deduct</i>		-27.49	
		<i>For >100, Deduct</i>		-39.41	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		478.86	73.04
		<i>For >50 To 100, Deduct</i>		-27.60	
		<i>For >100, Deduct</i>		-39.57	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		487.33	76.22
		<i>For >50 To 100, Deduct</i>		-28.18	
		<i>For >100, Deduct</i>		-40.36	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		524.71	76.22
		<i>For >50 To 100, Deduct</i>		-30.05	
		<i>For >100, Deduct</i>		-43.16	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		627.55	79.40
		<i>For >50 To 100, Deduct</i>		-35.35	
		<i>For >100, Deduct</i>		-51.04	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....		650.98	79.40
		<i>For >50 To 100, Deduct</i>		-36.52	
		<i>For >100, Deduct</i>		-52.79	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	697.90 -38.86 -56.31	79.40
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	472.53 -27.12 -38.93	69.87
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	472.53 -27.12 -38.93	69.87
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	481.22 -27.71 -39.74	73.04
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	495.96 -28.45 -40.85	73.04
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	498.23 -28.56 -41.02	73.04
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	506.82 -29.15 -41.82	76.22
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	546.36 -31.13 -44.79	76.22
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	654.83 -36.71 -53.08	79.40
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	679.64 -37.95 -54.94	79.40
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	729.27 -40.43 -58.67	79.40
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	537.42 -30.36 -43.80	69.87
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	537.42 -30.36 -43.80	69.87
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	546.58 -30.98 -44.65	73.04
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	564.18 -31.86 -45.97	73.04
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	566.89 -32.00 -46.17	73.04
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	575.91 -32.61 -47.00	76.22
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	623.18 -34.97 -50.55	76.22
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	751.56 -41.55 -60.34	79.40
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	781.21 -43.03 -62.56	79.40
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	840.50 -45.99 -67.01	79.40
08 14 16 00-0252			Lauan Faced Wood Doors (08 14 16 00-0127)		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	250.52 -16.02 -22.28	69.87
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	250.52 -16.02 -22.28	69.87
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	264.49 -16.88 -23.49	73.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0256	EA			2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	270.69 -17.19 -23.95	73.04
08 14 16 00-0257	EA			2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.92 -17.25 -24.05	73.04
08 14 16 00-0258	EA			3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	279.49 -17.79 -24.77	76.22
08 14 16 00-0259	EA			3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	293.45 -18.48 -25.82	76.22
08 14 16 00-0260	EA			3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	317.81 -19.86 -27.81	79.40
08 14 16 00-0261	EA			3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.74 -20.26 -28.40	79.40
08 14 16 00-0262	EA			4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	341.65 -21.05 -29.59	79.40
08 14 16 00-0263	EA			2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	256.95 -16.34 -22.76	69.87
08 14 16 00-0264	EA			2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	256.95 -16.34 -22.76	69.87
08 14 16 00-0265	EA			2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.39 -17.22 -24.01	73.04
08 14 16 00-0266	EA			2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.95 -17.55 -24.50	73.04
08 14 16 00-0267	EA			2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	279.25 -17.62 -24.60	73.04
08 14 16 00-0268	EA			3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	286.88 -18.16 -25.33	76.22
08 14 16 00-0269	EA			3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	301.66 -18.89 -26.44	76.22
08 14 16 00-0270	EA			3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	327.05 -20.32 -28.50	79.40
08 14 16 00-0271	EA			3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	335.45 -20.74 -29.13	79.40
08 14 16 00-0272	EA			4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	352.28 -21.58 -30.39	79.40
08 14 16 00-0273	EA			2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	279.81 -17.48 -24.48 29.41	69.87
08 14 16 00-0274	EA			2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	279.81 -17.48 -24.48 29.41	69.87
08 14 16 00-0275	EA			2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	295.81 -18.44 -25.84 31.44	73.04
08 14 16 00-0276	EA			2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	303.65 -18.84 -26.43 33.09	73.04
08 14 16 00-0277	EA			2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	305.21 -18.91 -26.54 33.41	73.04
08 14 16 00-0278	EA			3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	313.10 -19.47 -27.29 33.74	76.22
08 14 16 00-0279	EA			3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	330.77 -20.35 -28.62 37.45	76.22
08 14 16 00-0280	EA			3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	359.85 -21.96 -30.96 42.22	79.40

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	369.90	79.40
		<i>For >50 To 100, Deduct</i>	-22.46	
		<i>For >100, Deduct</i>	-31.71	
		<i>For 9' Door Height, Add</i>	44.33	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	390.01	79.40
		<i>For >50 To 100, Deduct</i>	-23.47	
		<i>For >100, Deduct</i>	-33.22	
		<i>For 9' Door Height, Add</i>	48.56	
08 14 16 00-0283		Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	267.75	69.87
		<i>For >50 To 100, Deduct</i>	-16.88	
		<i>For >100, Deduct</i>	-23.57	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	267.77	69.87
		<i>For >50 To 100, Deduct</i>	-16.88	
		<i>For >100, Deduct</i>	-23.58	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	277.67	73.04
		<i>For >50 To 100, Deduct</i>	-17.54	
		<i>For >100, Deduct</i>	-24.48	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	284.81	73.04
		<i>For >50 To 100, Deduct</i>	-17.89	
		<i>For >100, Deduct</i>	-25.01	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	288.38	73.04
		<i>For >50 To 100, Deduct</i>	-18.07	
		<i>For >100, Deduct</i>	-25.28	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	298.23	76.22
		<i>For >50 To 100, Deduct</i>	-18.72	
		<i>For >100, Deduct</i>	-26.18	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	306.36	76.22
		<i>For >50 To 100, Deduct</i>	-19.13	
		<i>For >100, Deduct</i>	-26.79	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	339.15	79.40
		<i>For >50 To 100, Deduct</i>	-20.93	
		<i>For >100, Deduct</i>	-29.41	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	348.17	79.40
		<i>For >50 To 100, Deduct</i>	-21.38	
		<i>For >100, Deduct</i>	-30.08	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	366.23	79.40
		<i>For >50 To 100, Deduct</i>	-22.28	
		<i>For >100, Deduct</i>	-31.44	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	275.21	69.87
		<i>For >50 To 100, Deduct</i>	-17.25	
		<i>For >100, Deduct</i>	-24.13	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	275.21	69.87
		<i>For >50 To 100, Deduct</i>	-17.25	
		<i>For >100, Deduct</i>	-24.13	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	285.32	73.04
		<i>For >50 To 100, Deduct</i>	-17.92	
		<i>For >100, Deduct</i>	-25.05	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	292.88	73.04
		<i>For >50 To 100, Deduct</i>	-18.30	
		<i>For >100, Deduct</i>	-25.62	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	296.65	73.04
		<i>For >50 To 100, Deduct</i>	-18.49	
		<i>For >100, Deduct</i>	-25.90	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	306.73	76.22
		<i>For >50 To 100, Deduct</i>	-19.15	
		<i>For >100, Deduct</i>	-26.82	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	315.33	76.22
		<i>For >50 To 100, Deduct</i>	-19.58	
		<i>For >100, Deduct</i>	-27.46	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	349.66	79.40
		<i>For >50 To 100, Deduct</i>	-21.45	
		<i>For >100, Deduct</i>	-30.19	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	359.21	79.40
		<i>For >50 To 100, Deduct</i>	-21.93	
		<i>For >100, Deduct</i>	-30.91	
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	378.29	79.40
		<i>For >50 To 100, Deduct</i>	-22.88	
		<i>For >100, Deduct</i>	-32.34	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	301.63	69.87
		<i>For >50 To 100, Deduct</i>	-18.58	
		<i>For >100, Deduct</i>	-26.12	
		<i>For 9' Door Height, Add</i>	34.00	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	301.63	69.87
		<i>For >50 To 100, Deduct</i>	-18.58	
		<i>For >100, Deduct</i>	-26.12	
		<i>For 9' Door Height, Add</i>	34.00	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	312.47	73.04
		<i>For >50 To 100, Deduct</i>	-19.28	
		<i>For >100, Deduct</i>	-27.09	
		<i>For 9' Door Height, Add</i>	34.94	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0307	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	321.49 -19.73 -27.76 36.83	73.04
08 14 16 00-0308	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	325.99 -19.95 -28.10 37.78	73.04
08 14 16 00-0309	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	336.81 -20.65 -29.07 38.72	76.22
08 14 16 00-0310	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	347.10 -21.17 -29.84 40.88	76.22
08 14 16 00-0311	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	386.89 -23.31 -32.99 47.90	79.40
08 14 16 00-0312	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	398.29 -23.88 -33.84 50.30	79.40
08 14 16 00-0313	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	421.11 -25.03 -35.55 55.09	79.40
08 14 16 00-0314			1-3/8" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0315			Birch Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0316	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	315.36 -3.51 131.72 79.03 -19.26 -27.15	69.87
08 14 16 00-0317	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	315.39 -3.51 131.74 79.04 -19.26 -27.15	69.87
08 14 16 00-0318	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	330.96 -3.70 138.65 83.19 -20.20 -28.47	73.04
08 14 16 00-0319	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	340.17 -3.88 145.55 87.33 -20.66 -29.17	73.04
08 14 16 00-0320	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.79 -3.99 149.77 89.86 -20.94 -29.59	73.04
08 14 16 00-0321	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	357.78 -4.11 154.01 92.40 -21.70 -30.64	76.22
08 14 16 00-0322	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	380.30 -4.56 170.90 102.54 -22.83 -32.33	76.22
08 14 16 00-0323	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	401.22 -4.85 181.82 109.09 -24.03 -34.06	79.40

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0324	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.59 -3.72 139.39 83.63 -19.77 -27.91	69.87
08 14 16 00-0325	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.60 -3.72 139.40 83.64 -19.77 -27.91	69.87
08 14 16 00-0326	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	341.72 -3.91 146.72 88.03 -20.74 -29.28	73.04
08 14 16 00-0327	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	351.48 -4.11 154.04 92.42 -21.23 -30.01	73.04
08 14 16 00-0328	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	357.42 -4.23 158.49 95.09 -21.52 -30.46	73.04
08 14 16 00-0329	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.72 -4.35 162.96 97.78 -22.30 -31.54	76.22
08 14 16 00-0330	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	393.57 -4.82 180.85 108.51 -23.49 -33.33	76.22
08 14 16 00-0331	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.33 -5.13 192.41 115.44 -24.74 -35.12	79.40
08 14 16 00-0332	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	361.84 -4.44 166.58 99.95 -21.59 -30.63 46.64	69.87
08 14 16 00-0333	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	361.84 -4.44 166.58 99.95 -21.59 -30.63 46.64	69.87
08 14 16 00-0334	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	379.87 -4.68 175.33 105.20 -22.65 -32.14 49.09	73.04
08 14 16 00-0335	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	391.53 -4.91 184.07 110.44 -23.23 -33.02 51.54	73.04
08 14 16 00-0336	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	398.63 -5.05 189.40 113.64 -23.58 -33.55 53.03	73.04



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0337 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	412.10 -5.19 194.75 116.85 -24.42 -34.72 54.53	76.22
08 14 16 00-0338 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	440.58 -5.76 216.11 129.66 -25.84 -36.85 60.51	76.22
08 14 16 00-0339 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	465.35 -6.13 229.92 137.95 -27.24 -38.87 64.38	79.40
08 14 16 00-0340 Oak Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0341 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	398.47 -5.17 194.05 116.43 -23.42 -33.38	69.87
08 14 16 00-0342 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	398.47 -5.17 194.05 116.43 -23.42 -33.38	69.87
08 14 16 00-0343 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	418.44 -5.45 204.26 122.55 -24.57 -35.04	73.04
08 14 16 00-0344 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	432.03 -5.72 214.45 128.67 -25.25 -36.05	73.04
08 14 16 00-0345 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	440.30 -5.88 220.65 132.39 -25.67 -36.68	73.04
08 14 16 00-0346 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	454.95 -6.05 226.88 136.13 -26.56 -37.93	76.22
08 14 16 00-0347 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	488.14 -6.71 251.78 151.07 -28.22 -40.42	76.22
08 14 16 00-0348 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	515.94 -7.14 267.86 160.72 -29.77 -42.67	79.40
08 14 16 00-0349 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	413.51 -5.48 205.33 123.20 -24.17 -34.51	69.87
08 14 16 00-0350 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	413.51 -5.48 205.33 123.20 -24.17 -34.51	69.87

08 Openings
08 10 Doors and Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0351	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	434.31	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.76	
			<i>For Stave Lumber Core (SLC), Add</i>	216.16	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.69	
			<i>For >50 To 100, Deduct</i>	-25.37	
			<i>For >100, Deduct</i>	-36.23	
08 14 16 00-0352	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	448.67	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.05	
			<i>For Stave Lumber Core (SLC), Add</i>	226.93	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.16	
			<i>For >50 To 100, Deduct</i>	-26.09	
			<i>For >100, Deduct</i>	-37.30	
08 14 16 00-0353	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	457.42	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.23	
			<i>For Stave Lumber Core (SLC), Add</i>	233.49	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.09	
			<i>For >50 To 100, Deduct</i>	-26.52	
			<i>For >100, Deduct</i>	-37.96	
08 14 16 00-0354	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	472.55	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.40	
			<i>For Stave Lumber Core (SLC), Add</i>	240.08	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.05	
			<i>For >50 To 100, Deduct</i>	-27.44	
			<i>For >100, Deduct</i>	-39.25	
08 14 16 00-0355	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	507.68	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.10	
			<i>For Stave Lumber Core (SLC), Add</i>	266.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	159.86	
			<i>For >50 To 100, Deduct</i>	-29.20	
			<i>For >100, Deduct</i>	-41.89	
08 14 16 00-0356	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	536.74	79.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.56	
			<i>For Stave Lumber Core (SLC), Add</i>	283.46	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	170.08	
			<i>For >50 To 100, Deduct</i>	-30.81	
			<i>For >100, Deduct</i>	-44.23	
08 14 16 00-0357	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	466.89	69.87
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.54	
			<i>For Stave Lumber Core (SLC), Add</i>	245.36	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.22	
			<i>For >50 To 100, Deduct</i>	-26.84	
			<i>For >100, Deduct</i>	-38.51	
			<i>For 9' Door Height, Add</i>	68.70	
08 14 16 00-0358	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	466.89	69.87
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.54	
			<i>For Stave Lumber Core (SLC), Add</i>	245.36	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.22	
			<i>For >50 To 100, Deduct</i>	-26.84	
			<i>For >100, Deduct</i>	-38.51	
			<i>For 9' Door Height, Add</i>	68.70	
08 14 16 00-0359	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	490.51	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.89	
			<i>For Stave Lumber Core (SLC), Add</i>	258.31	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.98	
			<i>For >50 To 100, Deduct</i>	-28.18	
			<i>For >100, Deduct</i>	-40.44	
			<i>For 9' Door Height, Add</i>	72.33	
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	507.67	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.23	
			<i>For Stave Lumber Core (SLC), Add</i>	271.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	162.71	
			<i>For >50 To 100, Deduct</i>	-29.04	
			<i>For >100, Deduct</i>	-41.73	
			<i>For 9' Door Height, Add</i>	75.93	
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	518.12	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.44	
			<i>For Stave Lumber Core (SLC), Add</i>	279.02	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	167.41	
			<i>For >50 To 100, Deduct</i>	-29.56	
			<i>For >100, Deduct</i>	-42.51	
			<i>For 9' Door Height, Add</i>	78.12	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	534.98	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.65	
			<i>For Stave Lumber Core (SLC), Add</i>	286.91	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.14	
			<i>For >50 To 100, Deduct</i>	-30.56	
			<i>For >100, Deduct</i>	-43.93	
			<i>For 9' Door Height, Add</i>	80.33	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	576.96	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.49	
			<i>For Stave Lumber Core (SLC), Add</i>	318.39	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	191.03	
			<i>For >50 To 100, Deduct</i>	-32.66	
			<i>For >100, Deduct</i>	-47.08	
			<i>For 9' Door Height, Add</i>	89.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0364 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	610.44	79.40
<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.03	
<i>For Stave Lumber Core (SLC), Add</i>	338.74	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	203.24	
<i>For >50 To 100, Deduct</i>	-34.49	
<i>For >100, Deduct</i>	-49.75	
<i>For 9' Door Height, Add</i>	94.85	
08 14 16 00-0365 Maple Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0366 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	399.80	69.87
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.20	
<i>For Stave Lumber Core (SLC), Add</i>	195.05	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.03	
<i>For >50 To 100, Deduct</i>	-23.48	
<i>For >100, Deduct</i>	-33.48	
08 14 16 00-0367 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	399.80	69.87
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.20	
<i>For Stave Lumber Core (SLC), Add</i>	195.05	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.03	
<i>For >50 To 100, Deduct</i>	-23.48	
<i>For >100, Deduct</i>	-33.48	
08 14 16 00-0368 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	419.84	73.04
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.47	
<i>For Stave Lumber Core (SLC), Add</i>	205.31	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.18	
<i>For >50 To 100, Deduct</i>	-24.64	
<i>For >100, Deduct</i>	-35.14	
08 14 16 00-0369 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	433.50	73.04
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.75	
<i>For Stave Lumber Core (SLC), Add</i>	215.55	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.33	
<i>For >50 To 100, Deduct</i>	-25.33	
<i>For >100, Deduct</i>	-36.17	
08 14 16 00-0370 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	441.80	73.04
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.91	
<i>For Stave Lumber Core (SLC), Add</i>	221.78	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.07	
<i>For >50 To 100, Deduct</i>	-25.74	
<i>For >100, Deduct</i>	-36.79	
08 14 16 00-0371 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	456.50	76.22
<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.08	
<i>For Stave Lumber Core (SLC), Add</i>	228.05	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.83	
<i>For >50 To 100, Deduct</i>	-26.64	
<i>For >100, Deduct</i>	-38.05	
08 14 16 00-0372 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	489.86	76.22
<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.75	
<i>For Stave Lumber Core (SLC), Add</i>	253.07	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	151.84	
<i>For >50 To 100, Deduct</i>	-28.30	
<i>For >100, Deduct</i>	-40.55	
08 14 16 00-0373 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	517.77	79.40
<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.18	
<i>For Stave Lumber Core (SLC), Add</i>	269.24	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	161.54	
<i>For >50 To 100, Deduct</i>	-29.86	
<i>For >100, Deduct</i>	-42.80	
08 14 16 00-0374 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	414.91	69.87
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.50	
<i>For Stave Lumber Core (SLC), Add</i>	206.38	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.83	
<i>For >50 To 100, Deduct</i>	-24.24	
<i>For >100, Deduct</i>	-34.61	
08 14 16 00-0375 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	414.91	69.87
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.50	
<i>For Stave Lumber Core (SLC), Add</i>	206.38	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.83	
<i>For >50 To 100, Deduct</i>	-24.24	
<i>For >100, Deduct</i>	-34.61	
08 14 16 00-0376 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	435.78	73.04
<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.79	
<i>For Stave Lumber Core (SLC), Add</i>	217.26	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.36	
<i>For >50 To 100, Deduct</i>	-25.44	
<i>For >100, Deduct</i>	-36.34	
08 14 16 00-0377 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	450.24	73.04
<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.08	
<i>For Stave Lumber Core (SLC), Add</i>	228.11	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.86	
<i>For >50 To 100, Deduct</i>	-26.16	
<i>For >100, Deduct</i>	-37.42	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	459.02		73.04
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.26		
		<i>For Stave Lumber Core (SLC), Add</i>	234.69		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.81		
		<i>For >50 To 100, Deduct</i>	-26.60		
		<i>For >100, Deduct</i>	-38.08		
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	474.20		76.22
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.44		
		<i>For Stave Lumber Core (SLC), Add</i>	241.32		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.79		
		<i>For >50 To 100, Deduct</i>	-27.52		
		<i>For >100, Deduct</i>	-39.38		
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	509.50		76.22
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.14		
		<i>For Stave Lumber Core (SLC), Add</i>	267.80		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.68		
		<i>For >50 To 100, Deduct</i>	-29.29		
		<i>For >100, Deduct</i>	-42.02		
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	538.67		79.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.60		
		<i>For Stave Lumber Core (SLC), Add</i>	284.91		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	170.95		
		<i>For >50 To 100, Deduct</i>	-30.90		
		<i>For >100, Deduct</i>	-44.37		
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	468.58		69.87
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.58		
		<i>For Stave Lumber Core (SLC), Add</i>	246.63		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.98		
		<i>For >50 To 100, Deduct</i>	-26.92		
		<i>For >100, Deduct</i>	-38.64		
		<i>For 9' Door Height, Add</i>	69.06		
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	468.58		69.87
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.58		
		<i>For Stave Lumber Core (SLC), Add</i>	246.63		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.98		
		<i>For >50 To 100, Deduct</i>	-26.92		
		<i>For >100, Deduct</i>	-38.64		
		<i>For 9' Door Height, Add</i>	69.06		
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	492.27		73.04
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.92		
		<i>For Stave Lumber Core (SLC), Add</i>	259.63		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	155.78		
		<i>For >50 To 100, Deduct</i>	-28.27		
		<i>For >100, Deduct</i>	-40.57		
		<i>For 9' Door Height, Add</i>	72.70		
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	509.52		73.04
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.27		
		<i>For Stave Lumber Core (SLC), Add</i>	272.57		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.54		
		<i>For >50 To 100, Deduct</i>	-29.13		
		<i>For >100, Deduct</i>	-41.87		
		<i>For 9' Door Height, Add</i>	76.32		
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	520.05		73.04
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.48		
		<i>For Stave Lumber Core (SLC), Add</i>	280.46		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.28		
		<i>For >50 To 100, Deduct</i>	-29.66		
		<i>For >100, Deduct</i>	-42.66		
		<i>For 9' Door Height, Add</i>	78.53		
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	536.94		76.22
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.69		
		<i>For Stave Lumber Core (SLC), Add</i>	288.38		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.03		
		<i>For >50 To 100, Deduct</i>	-30.66		
		<i>For >100, Deduct</i>	-44.08		
		<i>For 9' Door Height, Add</i>	80.75		
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	579.14		76.22
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.53		
		<i>For Stave Lumber Core (SLC), Add</i>	320.03		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	192.02		
		<i>For >50 To 100, Deduct</i>	-32.77		
		<i>For >100, Deduct</i>	-47.25		
		<i>For 9' Door Height, Add</i>	89.61		
08 14 16 00-0389	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	612.75		79.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.08		
		<i>For Stave Lumber Core (SLC), Add</i>	340.47		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	204.28		
		<i>For >50 To 100, Deduct</i>	-34.61		
		<i>For >100, Deduct</i>	-49.93		
		<i>For 9' Door Height, Add</i>	95.33		
08 14 16 00-0390		Lauan Faced Wood Doors (08 14 16 00-0314)			
08 14 16 00-0391	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	351.46		69.87
		<i>For >50 To 100, Deduct</i>	-21.07		
		<i>For >100, Deduct</i>	-29.85		



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0392 EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	351.46 -21.07 -29.85	69.87
08 14 16 00-0393 EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.40 -22.12 -31.36	73.04
08 14 16 00-0394 EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	381.08 -22.71 -32.23	73.04
08 14 16 00-0395 EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	386.94 -23.00 -32.67	73.04
08 14 16 00-0396 EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	399.19 -23.77 -33.75	76.22
08 14 16 00-0397 EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	426.28 -25.13 -35.78	76.22
08 14 16 00-0398 EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	454.10 -26.67 -38.03	79.40
08 14 16 00-0399 EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	363.78 -21.68 -30.78	69.87
08 14 16 00-0400 EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	363.78 -21.68 -30.78	69.87
08 14 16 00-0401 EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	382.42 -22.77 -32.33	73.04
08 14 16 00-0402 EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	394.76 -23.39 -33.26	73.04
08 14 16 00-0403 EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	400.97 -23.70 -33.73	73.04
08 14 16 00-0404 EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	413.53 -24.49 -34.83	76.22
08 14 16 00-0405 EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	442.25 -25.92 -36.98	76.22
08 14 16 00-0406 EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	471.26 -27.53 -39.31	79.40
08 14 16 00-0407 EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	407.49 -23.87 -34.06	69.87
08 14 16 00-0408 EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	407.49 -23.87 -34.06 56.23	69.87
08 14 16 00-0409 EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	428.48 -25.08 -35.79 59.30	73.04
08 14 16 00-0410 EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	443.25 -25.82 -36.90 62.40	73.04
08 14 16 00-0411 EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	450.68 -26.19 -37.45 63.96	73.04
08 14 16 00-0412 EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	464.45 -27.03 -38.64 65.52	76.22
08 14 16 00-0413 EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	498.75 -28.75 -41.22 72.73	76.22
08 14 16 00-0414 EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	532.19 -30.58 -43.88 78.41	79.40
08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0314)		
08 14 16 00-0416 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	312.44 129.53 77.72 -19.12 -26.93	69.87

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0417	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	312.44 129.53 77.72 -19.12 -26.93	69.87
08 14 16 00-0418	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	328.84 137.06 82.23 -20.09 -28.32	73.04
08 14 16 00-0419	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	338.84 144.56 86.73 -20.59 -29.07	73.04
08 14 16 00-0420	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	340.67 145.93 87.56 -20.69 -29.20	73.04
08 14 16 00-0421	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	348.88 147.33 88.40 -21.26 -29.98	76.22
08 14 16 00-0422	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.55 163.58 98.15 -22.34 -31.60	76.22
08 14 16 00-0423	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	416.41 193.22 115.93 -24.79 -35.20	79.40
08 14 16 00-0424	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	322.50 137.07 82.24 -19.62 -27.68	69.87
08 14 16 00-0425	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	322.51 137.08 82.25 -19.62 -27.68	69.87
08 14 16 00-0426	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	339.47 145.03 87.02 -20.63 -29.11	73.04
08 14 16 00-0427	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	350.05 152.96 91.78 -21.16 -29.91	73.04
08 14 16 00-0428	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	352.01 154.43 92.66 -21.25 -30.05	73.04
08 14 16 00-0429	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	360.31 155.90 93.54 -21.83 -30.83	76.22
08 14 16 00-0430	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	383.24 173.10 103.86 -22.97 -32.55	76.22
08 14 16 00-0431	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	431.42 204.47 122.68 -25.54 -36.33	79.40
08 14 16 00-0432	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	358.12 163.79 98.27 -21.40 -30.35 45.86	69.87
08 14 16 00-0433	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	358.15 163.81 98.28 -21.40 -30.35 45.87	69.87



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0434 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	377.18	73.04
For Stave Lumber Core (SLC), Add	173.31	
For Structural Composite Lumber Core (SCLC), Add	103.99	
For >50 To 100, Deduct	-22.51	
For >100, Deduct	-31.94	
For 9' Door Height, Add	48.53	
08 14 16 00-0435 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	389.82	73.04
For Stave Lumber Core (SLC), Add	182.79	
For Structural Composite Lumber Core (SCLC), Add	109.67	
For >50 To 100, Deduct	-23.14	
For >100, Deduct	-32.89	
For 9' Door Height, Add	51.18	
08 14 16 00-0436 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	392.15	73.04
For Stave Lumber Core (SLC), Add	184.54	
For Structural Composite Lumber Core (SCLC), Add	110.72	
For >50 To 100, Deduct	-23.26	
For >100, Deduct	-33.06	
For 9' Door Height, Add	51.67	
08 14 16 00-0437 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	400.86	76.22
For Stave Lumber Core (SLC), Add	186.32	
For Structural Composite Lumber Core (SCLC), Add	111.79	
For >50 To 100, Deduct	-23.85	
For >100, Deduct	-33.88	
For 9' Door Height, Add	52.17	
08 14 16 00-0438 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	428.26	76.22
For Stave Lumber Core (SLC), Add	206.87	
For Structural Composite Lumber Core (SCLC), Add	124.12	
For >50 To 100, Deduct	-25.22	
For >100, Deduct	-35.93	
For 9' Door Height, Add	57.92	
08 14 16 00-0439 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	484.59	79.40
For Stave Lumber Core (SLC), Add	244.35	
For Structural Composite Lumber Core (SCLC), Add	146.61	
For >50 To 100, Deduct	-28.20	
For >100, Deduct	-40.31	
For 9' Door Height, Add	68.42	
08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0441 Birch Faced Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0442 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	353.52	69.87
For 7 Ply Cold Press Construction, Deduct	-4.28	
For Stave Lumber Core (SLC), Add	160.34	
For Structural Composite Lumber Core (SCLC), Add	96.20	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.65	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.44	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.34	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.54	
For >50 To 100, Deduct	-21.17	
For >100, Deduct	-30.01	
08 14 16 00-0443 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	353.52	69.87
For 7 Ply Cold Press Construction, Deduct	-4.28	
For Stave Lumber Core (SLC), Add	160.34	
For Structural Composite Lumber Core (SCLC), Add	96.20	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.65	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.44	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.34	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.54	
For >50 To 100, Deduct	-21.17	
For >100, Deduct	-30.01	
08 14 16 00-0444 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	348.61	73.04
For 7 Ply Cold Press Construction, Deduct	-4.05	
For Stave Lumber Core (SLC), Add	151.88	
For Structural Composite Lumber Core (SCLC), Add	91.13	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.30	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.36	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	151.88	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	243.01	
For >50 To 100, Deduct	-21.08	
For >100, Deduct	-29.80	
08 14 16 00-0445 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	357.05	73.04
For 7 Ply Cold Press Construction, Deduct	-4.22	
For Stave Lumber Core (SLC), Add	158.21	
For Structural Composite Lumber Core (SCLC), Add	94.93	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.31	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.91	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	158.21	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	253.14	
For >50 To 100, Deduct	-21.51	
For >100, Deduct	-30.43	

08	08	Openings
	08 10	Doors and Frames
	08 14	Wood Doors



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	362.70	73.04
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.33	
		<i>For Stave Lumber Core (SLC), Add</i>	162.45	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.47	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.99	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	116.96	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	162.45	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	259.92	
		<i>For >50 To 100, Deduct</i>	-21.79	
		<i>For >100, Deduct</i>	-30.86	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	374.66	76.22
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.44	
		<i>For Stave Lumber Core (SLC), Add</i>	166.67	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.00	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.67	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	120.00	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.67	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	266.66	
		<i>For >50 To 100, Deduct</i>	-22.54	
		<i>For >100, Deduct</i>	-31.91	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	399.09	76.22
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.93	
		<i>For Stave Lumber Core (SLC), Add</i>	184.99	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.99	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.60	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.19	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	184.99	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	295.98	
		<i>For >50 To 100, Deduct</i>	-23.77	
		<i>For >100, Deduct</i>	-33.74	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	458.25	79.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.99	
		<i>For Stave Lumber Core (SLC), Add</i>	224.60	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	134.76	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.94	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	161.71	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	224.60	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	359.35	
		<i>For >50 To 100, Deduct</i>	-26.88	
		<i>For >100, Deduct</i>	-38.34	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	473.22	79.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.29	
		<i>For Stave Lumber Core (SLC), Add</i>	235.82	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.49	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.73	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	169.79	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	235.82	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	377.32	
		<i>For >50 To 100, Deduct</i>	-27.63	
		<i>For >100, Deduct</i>	-39.46	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	515.88	85.75
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.89	
		<i>For Stave Lumber Core (SLC), Add</i>	258.29	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.97	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.33	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	185.97	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	258.29	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	413.26	
		<i>For >50 To 100, Deduct</i>	-30.08	
		<i>For >100, Deduct</i>	-42.98	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	343.40	69.87
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.07	
		<i>For Stave Lumber Core (SLC), Add</i>	152.75	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.65	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.44	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	109.98	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	152.75	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	244.39	
		<i>For >50 To 100, Deduct</i>	-20.66	
		<i>For >100, Deduct</i>	-29.25	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	343.40	69.87
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.07	
		<i>For Stave Lumber Core (SLC), Add</i>	152.75	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.65	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.44	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	109.98	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	152.75	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	244.39	
		<i>For >50 To 100, Deduct</i>	-20.66	
		<i>For >100, Deduct</i>	-29.25	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0454 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	360.41 -4.29 160.73 96.44 25.72 115.73 160.73 257.17 -21.67 -30.68	73.04
08 14 16 00-0455 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.34 -4.46 167.43 100.46 26.79 120.55 167.43 267.89 -22.12 -31.35	73.04
08 14 16 00-0456 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.30 -4.58 171.90 103.14 27.50 123.77 171.90 275.04 -22.42 -31.80	73.04
08 14 16 00-0457 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	387.58 -4.70 176.36 105.81 28.22 126.98 176.36 282.17 -23.19 -32.88	76.22
08 14 16 00-0458 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	413.45 -5.22 195.76 117.45 31.32 140.95 195.76 313.21 -24.48 -34.82	76.22
08 14 16 00-0459 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	475.69 -6.34 237.68 142.61 38.03 171.13 237.68 380.28 -27.75 -39.65	79.40
08 14 16 00-0460 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	491.53 -6.65 249.56 149.73 39.93 179.68 249.56 399.29 -28.55 -40.83	79.40
08 14 16 00-0461 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	535.92 -7.29 273.32 163.99 43.73 196.79 273.32 437.30 -31.08 -44.48	85.75

08	Openings
08 10	Doors and Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0462	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	410.06 -5.41 202.74 121.64 32.44 145.97 202.74 324.38 -24.00 -34.25 56.77	69.87
08 14 16 00-0463	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	410.06 -5.41 202.74 121.64 32.44 145.97 202.74 324.38 -24.00 -34.25 56.77	69.87
08 14 16 00-0464	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	402.19 -5.12 192.07 115.24 30.73 138.29 192.07 307.31 -23.76 -33.82 53.78	73.04
08 14 16 00-0465	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	412.86 -5.34 200.07 120.04 32.01 144.05 200.07 320.11 -24.30 -34.62 56.02	73.04
08 14 16 00-0466	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	419.99 -5.48 205.42 123.25 32.87 147.90 205.42 328.67 -24.65 -35.15 57.52	73.04
08 14 16 00-0467	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	433.43 -5.62 210.74 126.45 33.72 151.73 210.74 337.19 -25.48 -36.32 59.01	76.22
08 14 16 00-0468	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	464.34 -6.24 233.93 140.36 37.43 168.43 233.93 374.28 -27.03 -38.64 65.50	76.22



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0469 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	537.47 -7.57 284.01 170.41 45.44 204.49 284.01 454.42 -30.84 -44.28 79.52	79.40
08 14 16 00-0470 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	556.40 -7.95 298.21 178.92 47.71 214.71 298.21 477.13 -31.79 -45.70 83.50	79.40
08 14 16 00-0471 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	606.98 -8.71 326.61 195.97 52.26 235.16 326.61 522.58 -34.64 -49.81 91.45	85.75
08 14 16 00-0472 Oak Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0473 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	484.46 -6.89 258.54 155.12 41.37 186.15 258.54 413.66 -27.72 -39.83	69.87
08 14 16 00-0474 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	484.46 -6.89 258.54 155.12 41.37 186.15 258.54 413.66 -27.72 -39.83	69.87
08 14 16 00-0475 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	490.82 -6.89 258.54 155.12 41.37 186.15 258.54 413.66 -28.19 -40.46	73.04
08 14 16 00-0476 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	494.36 -6.97 261.20 156.72 41.79 188.06 261.20 417.91 -28.37 -40.73	73.04
08 14 16 00-0477 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	495.96 -7.00 262.40 157.44 41.98 188.92 262.40 419.83 -28.45 -40.85	73.04

08	08	Openings
	08 10	Doors and Frames
	08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14	16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	503.90	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.03	
			<i>For Stave Lumber Core (SLC), Add</i>	263.60	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	158.16	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.18	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	189.79	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	263.60	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	421.75	
			<i>For >50 To 100, Deduct</i>	-29.01	
			<i>For >100, Deduct</i>	-41.60	
08 14	16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	542.50	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.80	
			<i>For Stave Lumber Core (SLC), Add</i>	292.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	175.53	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.81	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	210.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	292.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	468.07	
			<i>For >50 To 100, Deduct</i>	-30.94	
			<i>For >100, Deduct</i>	-44.50	
08 14	16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	648.26	79.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.79	
			<i>For Stave Lumber Core (SLC), Add</i>	367.10	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	220.26	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	58.74	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	264.31	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	367.10	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	587.36	
			<i>For >50 To 100, Deduct</i>	-36.38	
			<i>For >100, Deduct</i>	-52.59	
08 14	16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	673.08	79.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.29	
			<i>For Stave Lumber Core (SLC), Add</i>	385.72	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	231.43	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	61.71	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	277.72	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	385.72	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	617.15	
			<i>For >50 To 100, Deduct</i>	-37.62	
			<i>For >100, Deduct</i>	-54.45	
08 14	16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	734.40	85.75
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.26	
			<i>For Stave Lumber Core (SLC), Add</i>	422.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	253.31	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	67.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	303.97	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	422.18	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	675.48	
			<i>For >50 To 100, Deduct</i>	-41.01	
			<i>For >100, Deduct</i>	-59.37	
08 14	16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	504.51	69.87
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.30	
			<i>For Stave Lumber Core (SLC), Add</i>	273.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.98	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	273.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	437.72	
			<i>For >50 To 100, Deduct</i>	-28.72	
			<i>For >100, Deduct</i>	-41.33	
08 14	16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	504.51	69.87
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.30	
			<i>For Stave Lumber Core (SLC), Add</i>	273.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.98	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	273.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	437.72	
			<i>For >50 To 100, Deduct</i>	-28.72	
			<i>For >100, Deduct</i>	-41.33	
08 14	16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	510.87	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.30	
			<i>For Stave Lumber Core (SLC), Add</i>	273.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.98	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	273.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	437.72	
			<i>For >50 To 100, Deduct</i>	-29.20	
			<i>For >100, Deduct</i>	-41.97	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0486 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	514.62	73.04
For 7 Ply Cold Press Construction, Deduct	-7.37	
For Stave Lumber Core (SLC), Add	276.39	
For Structural Composite Lumber Core (SCLC), Add	165.83	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.22	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	199.00	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	276.39	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	442.22	
For >50 To 100, Deduct	-29.38	
For >100, Deduct	-42.25	
08 14 16 00-0487 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	516.32	73.04
For 7 Ply Cold Press Construction, Deduct	-7.40	
For Stave Lumber Core (SLC), Add	277.67	
For Structural Composite Lumber Core (SCLC), Add	166.60	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.43	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	199.92	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	277.67	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	444.26	
For >50 To 100, Deduct	-29.47	
For >100, Deduct	-42.38	
08 14 16 00-0488 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	524.36	76.22
For 7 Ply Cold Press Construction, Deduct	-7.44	
For Stave Lumber Core (SLC), Add	278.94	
For Structural Composite Lumber Core (SCLC), Add	167.36	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.63	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.84	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.94	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	446.30	
For >50 To 100, Deduct	-30.03	
For >100, Deduct	-43.14	
08 14 16 00-0489 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	565.21	76.22
For 7 Ply Cold Press Construction, Deduct	-8.26	
For Stave Lumber Core (SLC), Add	309.58	
For Structural Composite Lumber Core (SCLC), Add	185.75	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.53	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.90	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	309.58	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	495.32	
For >50 To 100, Deduct	-32.07	
For >100, Deduct	-46.20	
08 14 16 00-0490 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	676.75	79.40
For 7 Ply Cold Press Construction, Deduct	-10.36	
For Stave Lumber Core (SLC), Add	388.47	
For Structural Composite Lumber Core (SCLC), Add	233.08	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.16	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	279.70	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	388.47	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	621.55	
For >50 To 100, Deduct	-37.81	
For >100, Deduct	-54.73	
08 14 16 00-0491 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	703.00	79.40
For 7 Ply Cold Press Construction, Deduct	-10.88	
For Stave Lumber Core (SLC), Add	408.16	
For Structural Composite Lumber Core (SCLC), Add	244.89	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.31	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	293.87	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	408.16	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	653.05	
For >50 To 100, Deduct	-39.12	
For >100, Deduct	-56.69	
08 14 16 00-0492 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	767.15	85.75
For 7 Ply Cold Press Construction, Deduct	-11.91	
For Stave Lumber Core (SLC), Add	446.74	
For Structural Composite Lumber Core (SCLC), Add	268.04	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	71.48	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	321.65	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	446.74	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	714.78	
For >50 To 100, Deduct	-42.65	
For >100, Deduct	-61.82	
08 14 16 00-0493 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	575.63	69.87
For 7 Ply Cold Press Construction, Deduct	-8.72	
For Stave Lumber Core (SLC), Add	326.92	
For Structural Composite Lumber Core (SCLC), Add	196.15	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.31	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	235.38	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	326.92	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	523.07	
For >50 To 100, Deduct	-32.28	
For >100, Deduct	-46.67	
For 9' Door Height, Add	91.54	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0494	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	575.63	69.87
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.72	
			<i>For Stave Lumber Core (SLC), Add</i>	326.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	196.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.31	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	235.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	326.92	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	523.07	
			<i>For >50 To 100, Deduct</i>	-32.28	
			<i>For >100, Deduct</i>	-46.67	
			<i>For 9' Door Height, Add</i>	91.54	
08 14 16 00-0495	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	581.99	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.72	
			<i>For Stave Lumber Core (SLC), Add</i>	326.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	196.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.31	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	235.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	326.92	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	523.07	
			<i>For >50 To 100, Deduct</i>	-32.75	
			<i>For >100, Deduct</i>	-47.30	
			<i>For 9' Door Height, Add</i>	91.54	
08 14 16 00-0496	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	586.48	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.81	
			<i>For Stave Lumber Core (SLC), Add</i>	330.29	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	198.17	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.85	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	237.81	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	330.29	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	528.46	
			<i>For >50 To 100, Deduct</i>	-32.98	
			<i>For >100, Deduct</i>	-47.64	
			<i>For 9' Door Height, Add</i>	92.48	
08 14 16 00-0497	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	588.52	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.85	
			<i>For Stave Lumber Core (SLC), Add</i>	331.82	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	199.09	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.91	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	331.82	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	530.90	
			<i>For >50 To 100, Deduct</i>	-33.08	
			<i>For >100, Deduct</i>	-47.79	
			<i>For 9' Door Height, Add</i>	92.91	
08 14 16 00-0498	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	596.87	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.89	
			<i>For Stave Lumber Core (SLC), Add</i>	333.32	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	199.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.33	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	239.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	333.32	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	533.32	
			<i>For >50 To 100, Deduct</i>	-33.65	
			<i>For >100, Deduct</i>	-48.58	
			<i>For 9' Door Height, Add</i>	93.33	
08 14 16 00-0499	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	645.69	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.87	
			<i>For Stave Lumber Core (SLC), Add</i>	369.94	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	221.96	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.19	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	266.36	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	369.94	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	591.90	
			<i>For >50 To 100, Deduct</i>	-36.10	
			<i>For >100, Deduct</i>	-52.24	
			<i>For 9' Door Height, Add</i>	103.58	
08 14 16 00-0500	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	777.76	79.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.38	
			<i>For Stave Lumber Core (SLC), Add</i>	464.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	278.54	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	74.28	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	334.24	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	464.23	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	742.76	
			<i>For >50 To 100, Deduct</i>	-42.86	
			<i>For >100, Deduct</i>	-62.30	
			<i>For 9' Door Height, Add</i>	129.98	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0501 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	809.11	79.40
For 7 Ply Cold Press Construction, Deduct	-13.01	
For Stave Lumber Core (SLC), Add	487.74	
For Structural Composite Lumber Core (SCLC), Add	292.64	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	78.04	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	351.17	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	487.74	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	780.38	
For >50 To 100, Deduct	-44.43	
For >100, Deduct	-64.65	
For 9' Door Height, Add	136.57	
08 14 16 00-0502 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	883.31	85.75
For 7 Ply Cold Press Construction, Deduct	-14.24	
For Stave Lumber Core (SLC), Add	533.86	
For Structural Composite Lumber Core (SCLC), Add	320.31	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	85.42	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	384.38	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	533.86	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	854.17	
For >50 To 100, Deduct	-48.45	
For >100, Deduct	-70.54	
For 9' Door Height, Add	149.48	
08 14 16 00-0503 Maple Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0504 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	486.23	69.87
For 7 Ply Cold Press Construction, Deduct	-6.93	
For Stave Lumber Core (SLC), Add	259.87	
For Structural Composite Lumber Core (SCLC), Add	155.92	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.58	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	187.10	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	259.87	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	415.79	
For >50 To 100, Deduct	-27.81	
For >100, Deduct	-39.96	
08 14 16 00-0505 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	486.23	69.87
For 7 Ply Cold Press Construction, Deduct	-6.93	
For Stave Lumber Core (SLC), Add	259.87	
For Structural Composite Lumber Core (SCLC), Add	155.92	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.58	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	187.10	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	259.87	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	415.79	
For >50 To 100, Deduct	-27.81	
For >100, Deduct	-39.96	
08 14 16 00-0506 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	492.59	73.04
For 7 Ply Cold Press Construction, Deduct	-6.93	
For Stave Lumber Core (SLC), Add	259.87	
For Structural Composite Lumber Core (SCLC), Add	155.92	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.58	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	187.10	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	259.87	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	415.79	
For >50 To 100, Deduct	-28.28	
For >100, Deduct	-40.60	
08 14 16 00-0507 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	496.15	73.04
For 7 Ply Cold Press Construction, Deduct	-7.00	
For Stave Lumber Core (SLC), Add	262.54	
For Structural Composite Lumber Core (SCLC), Add	157.52	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.01	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.03	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	262.54	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	420.06	
For >50 To 100, Deduct	-28.46	
For >100, Deduct	-40.86	
08 14 16 00-0508 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	497.75	73.04
For 7 Ply Cold Press Construction, Deduct	-7.03	
For Stave Lumber Core (SLC), Add	263.74	
For Structural Composite Lumber Core (SCLC), Add	158.24	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.20	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.89	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	263.74	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	421.98	
For >50 To 100, Deduct	-28.54	
For >100, Deduct	-40.98	
08 14 16 00-0509 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	505.71	76.22
For 7 Ply Cold Press Construction, Deduct	-7.07	
For Stave Lumber Core (SLC), Add	264.95	
For Structural Composite Lumber Core (SCLC), Add	158.97	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.39	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	190.77	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	264.95	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	423.92	
For >50 To 100, Deduct	-29.10	
For >100, Deduct	-41.74	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0510	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....544.52	76.22	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.84	
			<i>For Stave Lumber Core (SLC), Add</i>	294.06	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.44	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.05	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	211.72	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	294.06	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	470.50	
			<i>For >50 To 100, Deduct</i>	-31.04	
			<i>For >100, Deduct</i>	-44.65	
08 14 16 00-0511	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....626.18	79.40	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.35	
			<i>For Stave Lumber Core (SLC), Add</i>	350.54	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	210.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	252.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	350.54	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	560.87	
			<i>For >50 To 100, Deduct</i>	-35.28	
			<i>For >100, Deduct</i>	-50.93	
08 14 16 00-0512	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....675.37	79.40	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.33	
			<i>For Stave Lumber Core (SLC), Add</i>	387.44	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	232.46	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	61.99	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	278.95	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	387.44	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	619.90	
			<i>For >50 To 100, Deduct</i>	-37.74	
			<i>For >100, Deduct</i>	-54.62	
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....724.61	79.40	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.32	
			<i>For Stave Lumber Core (SLC), Add</i>	424.37	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	254.62	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	67.90	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	305.54	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	424.37	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	678.98	
			<i>For >50 To 100, Deduct</i>	-40.20	
			<i>For >100, Deduct</i>	-58.32	
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....506.39	69.87	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
			<i>For Stave Lumber Core (SLC), Add</i>	274.99	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	197.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.99	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	439.98	
			<i>For >50 To 100, Deduct</i>	-28.81	
			<i>For >100, Deduct</i>	-41.47	
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....506.39	69.87	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
			<i>For Stave Lumber Core (SLC), Add</i>	274.99	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	197.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.99	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	439.98	
			<i>For >50 To 100, Deduct</i>	-28.81	
			<i>For >100, Deduct</i>	-41.47	
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....512.75	73.04	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
			<i>For Stave Lumber Core (SLC), Add</i>	274.99	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	197.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.99	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	439.98	
			<i>For >50 To 100, Deduct</i>	-29.29	
			<i>For >100, Deduct</i>	-42.11	
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....516.51	73.04	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.41	
			<i>For Stave Lumber Core (SLC), Add</i>	277.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.68	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.45	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	200.02	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	277.81	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	444.49	
			<i>For >50 To 100, Deduct</i>	-29.48	
			<i>For >100, Deduct</i>	-42.39	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0518 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	518.22	73.04
For 7 Ply Cold Press Construction, Deduct	-7.44	
For Stave Lumber Core (SLC), Add	279.09	
For Structural Composite Lumber Core (SCLC), Add	167.45	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.65	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.94	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	279.09	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	446.54	
For >50 To 100, Deduct	-29.56	
For >100, Deduct	-42.52	
08 14 16 00-0519 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	526.27	76.22
For 7 Ply Cold Press Construction, Deduct	-7.48	
For Stave Lumber Core (SLC), Add	280.37	
For Structural Composite Lumber Core (SCLC), Add	168.22	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.86	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	201.87	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	280.37	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	448.60	
For >50 To 100, Deduct	-30.12	
For >100, Deduct	-43.28	
08 14 16 00-0520 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	567.33	76.22
For 7 Ply Cold Press Construction, Deduct	-8.30	
For Stave Lumber Core (SLC), Add	311.17	
For Structural Composite Lumber Core (SCLC), Add	186.70	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.79	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	224.04	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	311.17	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	497.87	
For >50 To 100, Deduct	-32.18	
For >100, Deduct	-46.36	
08 14 16 00-0521 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	653.38	79.40
For 7 Ply Cold Press Construction, Deduct	-9.89	
For Stave Lumber Core (SLC), Add	370.94	
For Structural Composite Lumber Core (SCLC), Add	222.57	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.35	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.08	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	370.94	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	593.51	
For >50 To 100, Deduct	-36.64	
For >100, Deduct	-52.97	
08 14 16 00-0522 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	705.45	79.40
For 7 Ply Cold Press Construction, Deduct	-10.93	
For Stave Lumber Core (SLC), Add	410.00	
For Structural Composite Lumber Core (SCLC), Add	246.00	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.60	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	295.20	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	410.00	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	655.99	
For >50 To 100, Deduct	-39.24	
For >100, Deduct	-56.88	
08 14 16 00-0523 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	757.55	79.40
For 7 Ply Cold Press Construction, Deduct	-11.98	
For Stave Lumber Core (SLC), Add	449.07	
For Structural Composite Lumber Core (SCLC), Add	269.44	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	71.85	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	323.33	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	449.07	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	718.51	
For >50 To 100, Deduct	-41.85	
For >100, Deduct	-60.79	
08 14 16 00-0524 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	577.87	69.87
For 7 Ply Cold Press Construction, Deduct	-8.76	
For Stave Lumber Core (SLC), Add	328.60	
For Structural Composite Lumber Core (SCLC), Add	197.16	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.58	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.59	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.60	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	525.76	
For >50 To 100, Deduct	-32.39	
For >100, Deduct	-46.83	
For 9' Door Height, Add	92.01	
08 14 16 00-0525 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	577.87	69.87
For 7 Ply Cold Press Construction, Deduct	-8.76	
For Stave Lumber Core (SLC), Add	328.60	
For Structural Composite Lumber Core (SCLC), Add	197.16	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.58	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.59	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.60	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	525.76	
For >50 To 100, Deduct	-32.39	
For >100, Deduct	-46.83	
For 9' Door Height, Add	92.01	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0526	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	584.23	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.76	
			<i>For Stave Lumber Core (SLC), Add</i>	328.60	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	197.16	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.58	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	328.60	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	525.76	
			<i>For >50 To 100, Deduct</i>	-32.86	
			<i>For >100, Deduct</i>	-47.47	
			<i>For 9' Door Height, Add</i>	92.01	
08 14 16 00-0527	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	588.74	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.85	
			<i>For Stave Lumber Core (SLC), Add</i>	331.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	199.19	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.12	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	239.03	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	331.98	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	531.17	
			<i>For >50 To 100, Deduct</i>	-33.09	
			<i>For >100, Deduct</i>	-47.81	
			<i>For 9' Door Height, Add</i>	92.95	
08 14 16 00-0528	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	590.79	73.04
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.89	
			<i>For Stave Lumber Core (SLC), Add</i>	333.52	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	200.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.36	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.13	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	333.52	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	533.63	
			<i>For >50 To 100, Deduct</i>	-33.19	
			<i>For >100, Deduct</i>	-47.96	
			<i>For 9' Door Height, Add</i>	93.38	
08 14 16 00-0529	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	599.16	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.93	
			<i>For Stave Lumber Core (SLC), Add</i>	335.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	201.02	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.61	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	241.23	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	335.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	536.06	
			<i>For >50 To 100, Deduct</i>	-33.77	
			<i>For >100, Deduct</i>	-48.75	
			<i>For 9' Door Height, Add</i>	93.81	
08 14 16 00-0530	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	648.23	76.22
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.92	
			<i>For Stave Lumber Core (SLC), Add</i>	371.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	223.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.49	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	267.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	371.84	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	594.95	
			<i>For >50 To 100, Deduct</i>	-36.22	
			<i>For >100, Deduct</i>	-52.43	
			<i>For 9' Door Height, Add</i>	104.12	
08 14 16 00-0531	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	749.82	79.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.82	
			<i>For Stave Lumber Core (SLC), Add</i>	443.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	265.96	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	70.92	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	319.16	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	443.27	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	709.24	
			<i>For >50 To 100, Deduct</i>	-41.46	
			<i>For >100, Deduct</i>	-60.21	
			<i>For 9' Door Height, Add</i>	124.12	
08 14 16 00-0532	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	812.04	79.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.07	
			<i>For Stave Lumber Core (SLC), Add</i>	489.94	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	293.96	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	78.39	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	352.76	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	489.94	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	783.90	
			<i>For >50 To 100, Deduct</i>	-44.57	
			<i>For >100, Deduct</i>	-64.87	
			<i>For 9' Door Height, Add</i>	137.18	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0533 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	874.29	79.40
For 7 Ply Cold Press Construction, Deduct	-14.31	
For Stave Lumber Core (SLC), Add	536.63	
For Structural Composite Lumber Core (SCLC), Add	321.98	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	85.86	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	386.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	536.63	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	858.60	
For >50 To 100, Deduct	-47.68	
For >100, Deduct	-69.54	
For 9' Door Height, Add	150.26	
08 14 16 00-0534 Walnut Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0535 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	668.63	69.87
For 7 Ply Cold Press Construction, Deduct	-10.58	
For Stave Lumber Core (SLC), Add	396.67	
For Structural Composite Lumber Core (SCLC), Add	238.00	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	63.47	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	285.60	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	396.67	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	634.67	
For >50 To 100, Deduct	-36.93	
For >100, Deduct	-53.64	
08 14 16 00-0536 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	668.63	69.87
For 7 Ply Cold Press Construction, Deduct	-10.58	
For Stave Lumber Core (SLC), Add	396.67	
For Structural Composite Lumber Core (SCLC), Add	238.00	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	63.47	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	285.60	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	396.67	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	634.67	
For >50 To 100, Deduct	-36.93	
For >100, Deduct	-53.64	
08 14 16 00-0537 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	675.16	73.04
For 7 Ply Cold Press Construction, Deduct	-10.58	
For Stave Lumber Core (SLC), Add	396.80	
For Structural Composite Lumber Core (SCLC), Add	238.08	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	63.49	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	285.69	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	396.80	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	634.87	
For >50 To 100, Deduct	-37.41	
For >100, Deduct	-54.29	
08 14 16 00-0538 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	680.61	73.04
For 7 Ply Cold Press Construction, Deduct	-10.69	
For Stave Lumber Core (SLC), Add	400.88	
For Structural Composite Lumber Core (SCLC), Add	240.53	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	64.14	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	288.64	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	400.88	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	641.41	
For >50 To 100, Deduct	-37.68	
For >100, Deduct	-54.70	
08 14 16 00-0539 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	694.87	73.04
For 7 Ply Cold Press Construction, Deduct	-10.98	
For Stave Lumber Core (SLC), Add	411.58	
For Structural Composite Lumber Core (SCLC), Add	246.95	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.85	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	296.34	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	411.58	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	658.52	
For >50 To 100, Deduct	-38.40	
For >100, Deduct	-55.77	
08 14 16 00-0540 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	715.44	76.22
For 7 Ply Cold Press Construction, Deduct	-11.26	
For Stave Lumber Core (SLC), Add	422.25	
For Structural Composite Lumber Core (SCLC), Add	253.35	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.56	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	304.02	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	422.25	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	675.60	
For >50 To 100, Deduct	-39.58	
For >100, Deduct	-57.47	
08 14 16 00-0541 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	752.41	76.22
For 7 Ply Cold Press Construction, Deduct	-12.00	
For Stave Lumber Core (SLC), Add	449.98	
For Structural Composite Lumber Core (SCLC), Add	269.99	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.00	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	323.98	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	449.98	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	719.96	
For >50 To 100, Deduct	-41.43	
For >100, Deduct	-60.24	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0542	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	914.82 -15.12 567.02 340.21 90.72 408.26 567.02 907.24 -49.71 -72.58	79.40
08 14 16 00-0543	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	952.60 -15.88 595.36 357.21 95.26 428.66 595.36 952.57 -51.60 -75.41	79.40
08 14 16 00-0544	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,028.25 -17.39 652.10 391.26 104.34 469.51 652.10 1,043.35 -55.38 -81.09	79.40
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	699.41 -11.19 419.75 251.85 67.16 302.22 419.75 671.60 -38.46 -55.95	69.87
08 14 16 00-0546	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	699.41 -11.19 419.75 251.85 67.16 302.22 419.75 671.60 -38.46 -55.95	69.87
08 14 16 00-0547	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	705.94 -11.20 419.88 251.93 67.18 302.31 419.88 671.81 -38.95 -56.60	73.04
08 14 16 00-0548	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	711.72 -11.31 424.22 254.53 67.87 305.43 424.22 678.74 -39.24 -57.03	73.04
08 14 16 00-0549	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	726.81 -11.61 435.53 261.32 69.69 313.58 435.53 696.85 -39.99 -58.16	73.04



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0550 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	748.19 -11.92 446.81 268.09 71.49 321.71 446.81 714.90 -41.22 -59.93	76.22
08 14 16 00-0551 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	787.34 -12.70 476.18 285.71 76.19 342.85 476.18 761.88 -43.18 -62.86	76.22
08 14 16 00-0552 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	958.80 -16.00 600.01 360.00 96.00 432.01 600.01 960.01 -51.91 -75.88	79.40
08 14 16 00-0553 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	998.80 -16.80 630.01 378.00 100.80 453.61 630.01 1,008.01 -53.91 -78.88	79.40
08 14 16 00-0554 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,078.84 -18.40 690.04 414.02 110.41 496.83 690.04 1,104.06 -57.91 -84.88	79.40
08 14 16 00-0555 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	808.55 -13.38 501.61 300.96 80.26 361.16 501.61 802.57 -43.92 -64.13 140.45	69.87
08 14 16 00-0556 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	808.55 -13.38 501.61 300.96 80.26 361.16 501.61 802.57 -43.92 -64.13 140.45	69.87
08 14 16 00-0557 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	815.11 -13.38 501.76 301.05 80.28 361.27 501.76 802.81 -44.41 -64.79 140.49	73.04

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0558	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	822.02 -13.52 506.94 304.16 81.11 365.00 506.94 811.10 -44.75 -65.30 141.94	73.04
08 14 16 00-0559	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	840.03 -13.88 520.45 312.27 83.27 374.72 520.45 832.72 -45.65 -66.65 145.73	73.04
08 14 16 00-0560	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	864.38 -14.24 533.96 320.37 85.43 384.45 533.96 854.33 -47.03 -68.64 149.51	76.22
08 14 16 00-0561	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	911.16 -15.17 569.04 341.42 91.05 409.71 569.04 910.46 -49.37 -72.15 159.33	76.22
08 14 16 00-0562	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	1,114.82 -19.12 717.02 430.21 114.72 516.26 717.02 1,147.24 -59.71 -87.58 200.77	79.40
08 14 16 00-0563	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	1,162.62 -20.08 752.87 451.72 120.46 542.07 752.87 1,204.60 -62.10 -91.17 210.80	79.40
08 14 16 00-0564	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	1,258.24 -21.99 824.59 494.75 131.93 593.70 824.59 1,319.34 -66.88 -98.34 230.88	79.40
08 14 16 00-0565			Lauan Faced Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0566	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	427.94 34.58 155.63 216.15 345.84 -24.89 -35.59	69.87



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0567 EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	427.94 34.58 155.63 216.15 345.84 -24.89 -35.59	69.87
08 14 16 00-0568 EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	435.13 34.68 156.08 216.77 346.84 -25.41 -36.29	73.04
08 14 16 00-0569 EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	443.44 35.68 160.56 223.01 356.81 -25.82 -36.91	73.04
08 14 16 00-0570 EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	446.44 36.04 162.18 225.26 360.41 -25.97 -37.14	73.04
08 14 16 00-0571 EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	455.78 36.40 163.80 227.51 364.01 -26.60 -37.99	76.22
08 14 16 00-0572 EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	483.19 39.69 178.61 248.06 396.90 -27.97 -40.05	76.22
08 14 16 00-0573 EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	513.13 42.52 191.34 265.76 425.21 -29.63 -42.45	79.40
08 14 16 00-0574 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	530.85 44.65 200.91 279.05 446.47 -30.51 -43.78	79.40
08 14 16 00-0575 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	566.30 48.90 220.06 305.63 489.01 -32.28 -46.44	79.40
08 14 16 00-0576 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	444.70 36.60 164.68 228.72 365.95 -25.73 -36.85	69.87
08 14 16 00-0577 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	444.69 36.59 164.67 228.71 365.94 -25.73 -36.85	69.87
08 14 16 00-0578 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	451.94 36.70 165.15 229.38 367.01 -26.25 -37.55	73.04

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0579	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	460.72 37.75 169.89 235.97 377.54 -26.69 -38.21	73.04
08 14 16 00-0580	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	463.93 38.14 171.63 238.37 381.40 -26.85 -38.45	73.04
08 14 16 00-0581	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	473.43 38.52 173.33 240.74 385.19 -27.48 -39.32	76.22
08 14 16 00-0582	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	502.44 42.00 189.00 262.50 420.00 -28.93 -41.49	76.22
08 14 16 00-0583	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	533.76 45.00 202.48 281.23 449.96 -30.66 -44.00	79.40
08 14 16 00-0584	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	552.50 47.25 212.60 295.28 472.45 -31.59 -45.41	79.40
08 14 16 00-0585	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	590.03 51.75 232.87 323.43 517.49 -33.47 -48.22	79.40
08 14 16 00-0586	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	504.14 43.73 196.78 273.30 437.28 -28.70 -41.30 76.52	69.87
08 14 16 00-0587	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	504.14 43.73 196.78 273.30 437.28 -28.70 -41.30 76.52	69.87
08 14 16 00-0588	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	511.56 43.86 197.35 274.10 438.55 -29.23 -42.02 76.75	73.04
08 14 16 00-0589	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	522.09 45.12 203.03 281.99 451.19 -29.76 -42.81 78.96	73.04



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0590 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	525.92 45.58 205.10 284.87 455.78 -29.95 -43.10 79.76	73.04
08 14 16 00-0591 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	536.04 46.03 207.14 287.70 460.32 -30.61 -44.01 80.56	76.22
08 14 16 00-0592 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	570.71 50.19 225.87 313.70 501.92 -32.35 -46.61 87.84	76.22
08 14 16 00-0593 EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	606.87 53.77 241.96 336.06 537.70 -34.31 -49.49 94.10	79.40
08 14 16 00-0594 EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	629.26 56.46 254.05 352.85 564.56 -35.43 -51.16 98.80	79.40
08 14 16 00-0595 EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	674.12 61.84 278.28 386.50 618.40 -37.68 -54.53 108.22	79.40
08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0440)		
08 14 16 00-0597 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	356.75 162.76 97.65 26.04 -21.33 -30.25	69.87
08 14 16 00-0598 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	356.75 162.76 97.65 26.04 -21.33 -30.25	69.87
08 14 16 00-0599 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.68 172.19 103.31 27.55 -22.44 -31.83	73.04
08 14 16 00-0600 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	388.22 181.59 108.95 29.05 -23.06 -32.77	73.04
08 14 16 00-0601 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	390.55 183.34 110.00 29.33 -23.18 -32.94	73.04
08 14 16 00-0602 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	399.26 185.12 111.07 29.62 -23.77 -33.76	76.22

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	426.46 205.52 123.31 32.88 -25.13 -35.80	76.22
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	482.49 242.78 145.67 38.84 -28.09 -40.16	79.40
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	498.69 254.93 152.96 40.79 -28.90 -41.37	79.40
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	531.03 279.18 167.51 44.67 -30.52 -43.80	79.40
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.39 172.24 103.34 27.56 -21.96 -31.20	69.87
08 14 16 00-0608	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.39 172.24 103.34 27.56 -21.96 -31.20	69.87
08 14 16 00-0609	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	389.05 182.21 109.33 29.15 -23.11 -32.83	73.04
08 14 16 00-0610	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	402.32 192.17 115.30 30.75 -23.77 -33.83	73.04
08 14 16 00-0611	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	404.79 194.02 116.41 31.04 -23.89 -34.01	73.04
08 14 16 00-0612	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	413.63 195.89 117.54 31.34 -24.49 -34.83	76.22
08 14 16 00-0613	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	442.40 217.47 130.48 34.80 -25.93 -36.99	76.22
08 14 16 00-0614	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	501.33 256.91 154.14 41.10 -29.04 -41.57	79.40
08 14 16 00-0615	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	518.46 269.75 161.85 43.16 -29.89 -42.85	79.40
08 14 16 00-0616	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	552.70 295.43 177.26 47.27 -31.60 -45.42	79.40



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0617	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	414.16	69.87
			<i>For Stave Lumber Core (SLC), Add</i>	205.82	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.49	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.93	
			<i>For >50 To 100, Deduct</i>	-24.20	
			<i>For >100, Deduct</i>	-34.56	
			<i>For 9' Door Height, Add</i>	57.63	
08 14 16 00-0618	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	414.16	69.87
			<i>For Stave Lumber Core (SLC), Add</i>	205.82	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.49	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.93	
			<i>For >50 To 100, Deduct</i>	-24.20	
			<i>For >100, Deduct</i>	-34.56	
			<i>For 9' Door Height, Add</i>	57.63	
08 14 16 00-0619	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	436.42	73.04
			<i>For Stave Lumber Core (SLC), Add</i>	217.74	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.84	
			<i>For >50 To 100, Deduct</i>	-25.47	
			<i>For >100, Deduct</i>	-36.38	
			<i>For 9' Door Height, Add</i>	60.97	
08 14 16 00-0620	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	452.29	73.04
			<i>For Stave Lumber Core (SLC), Add</i>	229.64	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.79	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.74	
			<i>For >50 To 100, Deduct</i>	-26.27	
			<i>For >100, Deduct</i>	-37.57	
			<i>For 9' Door Height, Add</i>	64.30	
08 14 16 00-0621	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	455.23	73.04
			<i>For Stave Lumber Core (SLC), Add</i>	231.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	139.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.10	
			<i>For >50 To 100, Deduct</i>	-26.41	
			<i>For >100, Deduct</i>	-37.79	
			<i>For 9' Door Height, Add</i>	64.92	
08 14 16 00-0622	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	464.57	76.22
			<i>For Stave Lumber Core (SLC), Add</i>	234.10	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.46	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.46	
			<i>For >50 To 100, Deduct</i>	-27.04	
			<i>For >100, Deduct</i>	-38.65	
			<i>For 9' Door Height, Add</i>	65.55	
08 14 16 00-0623	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	498.94	76.22
			<i>For Stave Lumber Core (SLC), Add</i>	259.88	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	155.93	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.58	
			<i>For >50 To 100, Deduct</i>	-28.76	
			<i>For >100, Deduct</i>	-41.23	
			<i>For 9' Door Height, Add</i>	72.77	
08 14 16 00-0624	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	568.11	79.40
			<i>For Stave Lumber Core (SLC), Add</i>	306.99	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	184.19	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.12	
			<i>For >50 To 100, Deduct</i>	-32.38	
			<i>For >100, Deduct</i>	-46.58	
			<i>For 9' Door Height, Add</i>	85.96	
08 14 16 00-0625	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	588.61	79.40
			<i>For Stave Lumber Core (SLC), Add</i>	322.37	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.42	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.58	
			<i>For >50 To 100, Deduct</i>	-33.40	
			<i>For >100, Deduct</i>	-48.12	
			<i>For 9' Door Height, Add</i>	90.26	
08 14 16 00-0626	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	629.52	79.40
			<i>For Stave Lumber Core (SLC), Add</i>	353.05	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	211.83	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.49	
			<i>For >50 To 100, Deduct</i>	-35.45	
			<i>For >100, Deduct</i>	-51.18	
			<i>For 9' Door Height, Add</i>	98.85	

08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)

08 14 16 00-0628	EA		Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	73.62	
			Note: Includes (2) coats any standard manufacturer color on six sides.		
			<i>For Custom Color To Match Non-Standard Manufacturer Finish, Add</i>	24.52	
08 14 16 00-0629	EA		Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	110.42	
			Note: Includes (3) coats any standard manufacturer color on six sides.		
			<i>For Custom Color To Match Non-Standard Manufacturer Finish, Add</i>	24.52	

08 14 23 Clad Wood Doors (08 14)

08 14 23 13 Metal-Faced Wood Doors (08 14 23)

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)

08	08	Openings
	08 10	Doors and Frames
	08 14	Wood Doors



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door		718.08	156.26
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door		769.19	171.50
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door		828.43	189.29
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door		864.70	195.64
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door		927.60	215.33
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door		1,000.65	222.32
08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)					
08 14 23 16-0001		1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16) Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 23 16-0002	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		302.71	69.87
		For Structural Composite Lumber Core (SCLC), Add		73.34	
		For 5 Ply Construction, Add		5.70	
		For >50 To 100, Deduct		-18.63	
		For >100, Deduct		-26.20	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		302.71	69.87
		For Structural Composite Lumber Core (SCLC), Add		73.34	
		For 5 Ply Construction, Add		5.70	
		For >50 To 100, Deduct		-18.63	
		For >100, Deduct		-26.20	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		318.04	73.04
		For Structural Composite Lumber Core (SCLC), Add		77.37	
		For 5 Ply Construction, Add		6.02	
		For >50 To 100, Deduct		-19.55	
		For >100, Deduct		-27.51	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		327.00	73.04
		For Structural Composite Lumber Core (SCLC), Add		81.41	
		For 5 Ply Construction, Add		6.33	
		For >50 To 100, Deduct		-20.00	
		For >100, Deduct		-28.18	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		331.52	73.04
		For Structural Composite Lumber Core (SCLC), Add		83.44	
		For 5 Ply Construction, Add		6.49	
		For >50 To 100, Deduct		-20.23	
		For >100, Deduct		-28.52	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		342.36	76.22
		For Structural Composite Lumber Core (SCLC), Add		85.46	
		For 5 Ply Construction, Add		6.65	
		For >50 To 100, Deduct		-20.93	
		For >100, Deduct		-29.49	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		363.25	76.22
		For Structural Composite Lumber Core (SCLC), Add		94.86	
		For 5 Ply Construction, Add		7.38	
		For >50 To 100, Deduct		-21.97	
		For >100, Deduct		-31.05	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		383.09	79.40
		For Structural Composite Lumber Core (SCLC), Add		100.94	
		For 5 Ply Construction, Add		7.85	
		For >50 To 100, Deduct		-23.12	
		For >100, Deduct		-32.70	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		312.20	69.87
		For Structural Composite Lumber Core (SCLC), Add		77.61	
		For 5 Ply Construction, Add		6.04	
		For >50 To 100, Deduct		-19.10	
		For >100, Deduct		-26.91	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		312.19	69.87
		For Structural Composite Lumber Core (SCLC), Add		77.60	
		For 5 Ply Construction, Add		6.04	
		For >50 To 100, Deduct		-19.10	
		For >100, Deduct		-26.91	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		328.05	73.04
		For Structural Composite Lumber Core (SCLC), Add		81.88	
		For 5 Ply Construction, Add		6.37	
		For >50 To 100, Deduct		-20.06	
		For >100, Deduct		-28.26	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		337.53	73.04
		For Structural Composite Lumber Core (SCLC), Add		86.14	
		For 5 Ply Construction, Add		6.70	
		For >50 To 100, Deduct		-20.53	
		For >100, Deduct		-28.97	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0014	EA			2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	342.31 88.29 6.87 -20.77 -29.33	73.04
08 14 23 16-0015	EA			3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	353.41 90.44 7.03 -21.48 -30.32	76.22
08 14 23 16-0016	EA			3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.51 100.38 7.81 -22.59 -31.97	76.22
08 14 23 16-0017	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	396.14 106.81 8.31 -23.78 -33.68	79.40
08 14 23 16-0018	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.82 92.74 7.21 -20.78 -29.43	69.87
08 14 23 16-0019	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.82 92.74 7.21 -20.78 -29.43	69.87
08 14 23 16-0020	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	363.53 97.84 7.61 -21.83 -30.92	73.04
08 14 23 16-0021	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	374.86 102.94 8.01 -22.40 -31.77	73.04
08 14 23 16-0022	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	380.57 105.51 8.21 -22.68 -32.20	73.04
08 14 23 16-0023	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.61 108.08 8.41 -23.44 -33.26	76.22
08 14 23 16-0024	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	419.01 119.96 9.33 -24.76 -35.24	76.22
08 14 23 16-0025	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	442.42 127.63 9.93 -26.09 -37.15	79.40
08 14 23 16-0026				1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors <small>(08 14 23 16)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	417.40	69.87
			For 5 Ply Construction, Add	9.72	
			For Stave Lumber Core (SLC), Add	208.25	
			For Structural Composite Lumber Core (SCLC), Add	124.95	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.32	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.94	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	208.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	333.19	
			For >50 To 100, Deduct	-24.36	
			For >100, Deduct	-34.80	
08 14 23 16-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	417.38	69.87
			For 5 Ply Construction, Add	9.72	
			For Stave Lumber Core (SLC), Add	208.23	
			For Structural Composite Lumber Core (SCLC), Add	124.94	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.32	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.93	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	208.23	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	333.17	
			For >50 To 100, Deduct	-24.36	
			For >100, Deduct	-34.80	
08 14 23 16-0029	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	432.43	73.04
			For 5 Ply Construction, Add	10.02	
			For Stave Lumber Core (SLC), Add	214.75	
			For Structural Composite Lumber Core (SCLC), Add	128.85	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	154.62	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	214.75	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	343.60	
			For >50 To 100, Deduct	-25.27	
			For >100, Deduct	-36.08	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	432.43	73.04
			For 5 Ply Construction, Add	10.02	
			For Stave Lumber Core (SLC), Add	214.75	
			For Structural Composite Lumber Core (SCLC), Add	128.85	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	154.62	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	214.75	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	343.60	
			For >50 To 100, Deduct	-25.27	
			For >100, Deduct	-36.08	
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	449.63	73.04
			For 5 Ply Construction, Add	10.62	
			For Stave Lumber Core (SLC), Add	227.65	
			For Structural Composite Lumber Core (SCLC), Add	136.59	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	163.91	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	227.65	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	364.24	
			For >50 To 100, Deduct	-26.13	
			For >100, Deduct	-37.37	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	473.16	76.22
			For 5 Ply Construction, Add	11.23	
			For Stave Lumber Core (SLC), Add	240.54	
			For Structural Composite Lumber Core (SCLC), Add	144.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.49	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	173.19	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.54	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.86	
			For >50 To 100, Deduct	-27.47	
			For >100, Deduct	-39.30	
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	490.74	76.22
			For 5 Ply Construction, Add	11.84	
			For Stave Lumber Core (SLC), Add	253.73	
			For Structural Composite Lumber Core (SCLC), Add	152.24	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.68	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	253.73	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	405.96	
			For >50 To 100, Deduct	-28.35	
			For >100, Deduct	-40.62	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	505.87	79.40
			For 5 Ply Construction, Add	12.15	
			For Stave Lumber Core (SLC), Add	260.31	
			For Structural Composite Lumber Core (SCLC), Add	156.19	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.65	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	187.42	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	260.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	416.50	
			For >50 To 100, Deduct	-29.26	
			For >100, Deduct	-41.91	
08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	523.21	79.40
			For 5 Ply Construction, Add	12.75	
			For Stave Lumber Core (SLC), Add	273.32	
			For Structural Composite Lumber Core (SCLC), Add	163.99	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.73	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.79	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.32	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	437.30	
			For >50 To 100, Deduct	-30.13	
			For >100, Deduct	-43.21	
08 14 23 16-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	570.63	85.75
			For 5 Ply Construction, Add	13.97	
			For Stave Lumber Core (SLC), Add	299.35	
			For Structural Composite Lumber Core (SCLC), Add	179.61	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.90	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	215.53	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	299.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	478.96	
			For >50 To 100, Deduct	-32.82	
			For >100, Deduct	-47.08	
08 14 23 16-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	433.56	69.87
			For 5 Ply Construction, Add	10.28	
			For Stave Lumber Core (SLC), Add	220.37	
			For Structural Composite Lumber Core (SCLC), Add	132.22	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.26	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.66	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.37	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.58	
			For >50 To 100, Deduct	-25.17	
			For >100, Deduct	-36.01	
08 14 23 16-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	433.54	69.87
			For 5 Ply Construction, Add	10.28	
			For Stave Lumber Core (SLC), Add	220.35	
			For Structural Composite Lumber Core (SCLC), Add	132.21	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.26	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.65	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.56	
			For >50 To 100, Deduct	-25.17	
			For >100, Deduct	-36.01	
08 14 23 16-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	449.10	73.04
			For 5 Ply Construction, Add	10.61	
			For Stave Lumber Core (SLC), Add	227.25	
			For Structural Composite Lumber Core (SCLC), Add	136.35	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	163.62	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	227.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	363.60	
			For >50 To 100, Deduct	-26.11	
			For >100, Deduct	-37.34	
08 14 23 16-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	449.10	73.04
			For 5 Ply Construction, Add	10.61	
			For Stave Lumber Core (SLC), Add	227.25	
			For Structural Composite Lumber Core (SCLC), Add	136.35	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	163.62	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	227.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	363.60	
			For >50 To 100, Deduct	-26.11	
			For >100, Deduct	-37.34	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	467.29	73.04
			For 5 Ply Construction, Add	11.24	
			For Stave Lumber Core (SLC), Add	240.89	
			For Structural Composite Lumber Core (SCLC), Add	144.54	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.54	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	173.44	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.89	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	385.43	
			For >50 To 100, Deduct	-27.02	
			For >100, Deduct	-38.70	
08 14 23 16-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	491.83	76.22
			For 5 Ply Construction, Add	11.88	
			For Stave Lumber Core (SLC), Add	254.54	
			For Structural Composite Lumber Core (SCLC), Add	152.73	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.73	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	183.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.54	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	407.27	
			For >50 To 100, Deduct	-28.40	
			For >100, Deduct	-40.70	
08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	510.42	76.22
			For 5 Ply Construction, Add	12.53	
			For Stave Lumber Core (SLC), Add	268.49	
			For Structural Composite Lumber Core (SCLC), Add	161.09	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.96	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	193.31	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	268.49	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	429.58	
			For >50 To 100, Deduct	-29.33	
			For >100, Deduct	-42.09	
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	526.06	79.40
			For 5 Ply Construction, Add	12.85	
			For Stave Lumber Core (SLC), Add	275.45	
			For Structural Composite Lumber Core (SCLC), Add	165.27	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.07	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.33	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.45	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	440.72	
			For >50 To 100, Deduct	-30.27	
			For >100, Deduct	-43.42	
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	544.42	79.40
			For 5 Ply Construction, Add	13.50	
			For Stave Lumber Core (SLC), Add	289.22	
			For Structural Composite Lumber Core (SCLC), Add	173.53	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.24	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.22	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	462.76	
			For >50 To 100, Deduct	-31.19	
			For >100, Deduct	-44.80	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	593.86	85.75
			For 5 Ply Construction, Add	14.78	
			For Stave Lumber Core (SLC), Add	316.77	
			For Structural Composite Lumber Core (SCLC), Add	190.06	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.68	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	228.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	316.77	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	506.83	
			For >50 To 100, Deduct	-33.98	
			For >100, Deduct	-48.83	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	490.86	69.87
			For 5 Ply Construction, Add	12.29	
			For Stave Lumber Core (SLC), Add	263.34	
			For Structural Composite Lumber Core (SCLC), Add	158.00	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.13	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.60	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	263.34	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	421.34	
			For >50 To 100, Deduct	-28.04	
			For >100, Deduct	-40.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0048	EA			2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	490.84	69.87
				For 5 Ply Construction, Add	12.29	
				For Stave Lumber Core (SLC), Add	263.33	
				For Structural Composite Lumber Core (SCLC), Add	158.00	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.13	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.59	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	263.33	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	421.32	
				For >50 To 100, Deduct	-28.04	
				For >100, Deduct	-40.31	
08 14 23 16-0049	EA			2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	508.18	73.04
				For 5 Ply Construction, Add	12.67	
				For Stave Lumber Core (SLC), Add	271.56	
				For Structural Composite Lumber Core (SCLC), Add	162.94	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.45	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.52	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	271.56	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	434.50	
				For >50 To 100, Deduct	-29.06	
				For >100, Deduct	-41.77	
08 14 23 16-0050	EA			2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	508.18	73.04
				For 5 Ply Construction, Add	12.67	
				For Stave Lumber Core (SLC), Add	271.56	
				For Structural Composite Lumber Core (SCLC), Add	162.94	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.45	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.52	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	271.56	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	434.50	
				For >50 To 100, Deduct	-29.06	
				For >100, Deduct	-41.77	
08 14 23 16-0051	EA			2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	529.92	73.04
				For 5 Ply Construction, Add	13.43	
				For Stave Lumber Core (SLC), Add	287.87	
				For Structural Composite Lumber Core (SCLC), Add	172.72	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.06	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.26	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.87	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	460.58	
				For >50 To 100, Deduct	-30.15	
				For >100, Deduct	-43.40	
08 14 23 16-0052	EA			3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	558.01	76.22
				For 5 Ply Construction, Add	14.19	
				For Stave Lumber Core (SLC), Add	304.18	
				For Structural Composite Lumber Core (SCLC), Add	182.51	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.67	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	219.01	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	304.18	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	486.68	
				For >50 To 100, Deduct	-31.71	
				For >100, Deduct	-45.66	
08 14 23 16-0053	EA			3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	580.22	76.22
				For 5 Ply Construction, Add	14.97	
				For Stave Lumber Core (SLC), Add	320.84	
				For Structural Composite Lumber Core (SCLC), Add	192.50	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.33	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.00	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	320.84	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	513.34	
				For >50 To 100, Deduct	-32.82	
				For >100, Deduct	-47.33	
08 14 23 16-0054	EA			3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	597.67	79.40
				For 5 Ply Construction, Add	15.36	
				For Stave Lumber Core (SLC), Add	329.16	
				For Structural Composite Lumber Core (SCLC), Add	197.50	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.67	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	237.00	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	329.16	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	526.66	
				For >50 To 100, Deduct	-33.85	
				For >100, Deduct	-48.80	

08	Openings
08 10	Doors and Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	619.61	79.40
			For 5 Ply Construction, Add	16.13	
			For Stave Lumber Core (SLC), Add	345.62	
			For Structural Composite Lumber Core (SCLC), Add	207.37	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.84	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.62	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	552.98	
			For >50 To 100, Deduct	-34.95	
			For >100, Deduct	-50.44	
08 14 23 16-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	676.22	85.75
			For 5 Ply Construction, Add	17.67	
			For Stave Lumber Core (SLC), Add	378.54	
			For Structural Composite Lumber Core (SCLC), Add	227.12	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.57	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	272.55	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	378.54	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	605.66	
			For >50 To 100, Deduct	-38.10	
			For >100, Deduct	-55.00	
08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)					
08 14 23 19-0001			1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)		
08 14 23 19-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	227.83	69.87
			For >50 To 100, Deduct	-14.89	
			For >100, Deduct	-20.58	
08 14 23 19-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	227.83	69.87
			For >50 To 100, Deduct	-14.89	
			For >100, Deduct	-20.58	
08 14 23 19-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	240.61	73.04
			For >50 To 100, Deduct	-15.68	
			For >100, Deduct	-21.70	
08 14 23 19-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	243.67	73.04
			For >50 To 100, Deduct	-15.84	
			For >100, Deduct	-21.93	
08 14 23 19-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	246.71	73.04
			For >50 To 100, Deduct	-15.99	
			For >100, Deduct	-22.16	
08 14 23 19-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	256.10	76.22
			For >50 To 100, Deduct	-16.62	
			For >100, Deduct	-23.02	
08 14 23 19-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	267.49	76.22
			For >50 To 100, Deduct	-17.19	
			For >100, Deduct	-23.87	
08 14 23 19-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	281.21	79.40
			For >50 To 100, Deduct	-18.03	
			For >100, Deduct	-25.06	
08 14 23 19-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	232.95	69.87
			For >50 To 100, Deduct	-15.14	
			For >100, Deduct	-20.96	
08 14 23 19-0011	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	232.95	69.87
			For >50 To 100, Deduct	-15.14	
			For >100, Deduct	-20.96	
08 14 23 19-0012	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	246.11	73.04
			For >50 To 100, Deduct	-15.96	
			For >100, Deduct	-22.11	
08 14 23 19-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	249.34	73.04
			For >50 To 100, Deduct	-16.12	
			For >100, Deduct	-22.35	
08 14 23 19-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	252.56	73.04
			For >50 To 100, Deduct	-16.28	
			For >100, Deduct	-22.59	
08 14 23 19-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	262.13	76.22
			For >50 To 100, Deduct	-16.92	
			For >100, Deduct	-23.47	
08 14 23 19-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	274.17	76.22
			For >50 To 100, Deduct	-17.52	
			For >100, Deduct	-24.37	
08 14 23 19-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	288.32	79.40
			For >50 To 100, Deduct	-18.39	
			For >100, Deduct	-25.59	
08 14 23 19-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.13	69.87
			For >50 To 100, Deduct	-16.05	
			For >100, Deduct	-22.33	
08 14 23 19-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.13	69.87
			For >50 To 100, Deduct	-16.05	
			For >100, Deduct	-22.33	
08 14 23 19-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	265.63	73.04
			For >50 To 100, Deduct	-16.93	
			For >100, Deduct	-23.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0021	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	269.47 -17.13 -23.86	73.04
08 14 23 19-0022	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	273.33 -17.32 -24.15	73.04
08 14 23 19-0023	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	283.51 -17.99 -25.07	76.22
08 14 23 19-0024	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	297.91 -18.71 -26.15	76.22
08 14 23 19-0025	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	313.58 -19.65 -27.49	79.40
08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>						
08 14 23 19-0027	EA			2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	249.50 -15.97 -22.21	69.87
08 14 23 19-0028	EA			2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	249.50 -15.97 -22.21	69.87
08 14 23 19-0029	EA			2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	258.89 -16.60 -23.07	73.04
08 14 23 19-0030	EA			2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	265.01 -16.90 -23.53	73.04
08 14 23 19-0031	EA			2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	268.07 -17.06 -23.76	73.04
08 14 23 19-0032	EA			3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.42 -17.68 -24.62	76.22
08 14 23 19-0033	EA			3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	284.39 -18.03 -25.14	76.22
08 14 23 19-0034	EA			3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	313.41 -19.64 -27.48	79.40
08 14 23 19-0035	EA			3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	321.14 -20.03 -28.06	79.40
08 14 23 19-0036	EA			4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	336.62 -20.80 -29.22	79.40
08 14 23 19-0037	EA			2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	255.88 -16.29 -22.68	69.87
08 14 23 19-0038	EA			2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	255.88 -16.29 -22.68	69.87
08 14 23 19-0039	EA			2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	265.46 -16.93 -23.56	73.04
08 14 23 19-0040	EA			2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.93 -17.25 -24.05	73.04
08 14 23 19-0041	EA			2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	275.16 -17.41 -24.29	73.04
08 14 23 19-0042	EA			3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	284.70 -18.05 -25.16	76.22
08 14 23 19-0043	EA			3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	292.07 -18.41 -25.72	76.22
08 14 23 19-0044	EA			3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	322.42 -20.09 -28.15	79.40
08 14 23 19-0045	EA			3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	330.60 -20.50 -28.76	79.40
08 14 23 19-0046	EA			4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	346.96 -21.32 -29.99	79.40
08 14 23 19-0047	EA			2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	278.52 -17.42 -24.38	69.87

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	278.52 -17.42 -24.38	69.87
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	288.75 -18.09 -25.31	73.04
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	296.48 -18.48 -25.89	73.04
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	300.32 -18.67 -26.18	73.04
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	310.50 -19.34 -27.10	76.22
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	319.29 -19.78 -27.76	76.22
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	354.33 -21.69 -30.54	79.40
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	364.10 -22.17 -31.28	79.40
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	383.67 -23.15 -32.75	79.40
08 14 23 19-0057			1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	287.45 -17.87 -25.05	69.87
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	287.45 -17.87 -25.05	69.87
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	302.39 -18.77 -26.33	73.04
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	310.95 -19.20 -26.97	73.04
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	312.51 -19.28 -27.09	73.04
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	320.45 -19.83 -27.84	76.22
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	338.99 -20.76 -29.24	76.22
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	379.13 -22.93 -32.40	79.40
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	296.06 -18.30 -25.70	69.87
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	296.06 -18.30 -25.70	69.87
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	311.49 -19.23 -27.01	73.04
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	320.53 -19.68 -27.69	73.04
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i>	322.21 -19.76 -27.82	73.04



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.23	76.22
			<i>For >50 To 100, Deduct</i>	-20.32	
			<i>For >100, Deduct</i>	-28.58	
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	349.85	76.22
			<i>For >50 To 100, Deduct</i>	-21.30	
			<i>For >100, Deduct</i>	-30.05	
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	391.96	79.40
			<i>For >50 To 100, Deduct</i>	-23.57	
			<i>For >100, Deduct</i>	-33.37	
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	326.54	69.87
			<i>For >50 To 100, Deduct</i>	-19.82	
			<i>For >100, Deduct</i>	-27.98	
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	326.54	69.87
			<i>For >50 To 100, Deduct</i>	-19.82	
			<i>For >100, Deduct</i>	-27.98	
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	343.74	73.04
			<i>For >50 To 100, Deduct</i>	-20.84	
			<i>For >100, Deduct</i>	-29.43	
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	354.54	73.04
			<i>For >50 To 100, Deduct</i>	-21.38	
			<i>For >100, Deduct</i>	-30.24	
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	356.54	73.04
			<i>For >50 To 100, Deduct</i>	-21.48	
			<i>For >100, Deduct</i>	-30.39	
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	364.91	76.22
			<i>For >50 To 100, Deduct</i>	-22.06	
			<i>For >100, Deduct</i>	-31.18	
08 14 23 19-0080	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	388.34	76.22
			<i>For >50 To 100, Deduct</i>	-23.23	
			<i>For >100, Deduct</i>	-32.94	
08 14 23 19-0081	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	437.44	79.40
			<i>For >50 To 100, Deduct</i>	-25.84	
			<i>For >100, Deduct</i>	-36.78	
08 14 23 19-0082			1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0083	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	325.34	69.87
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.27	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	100.22	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.20	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	222.72	
			<i>For >50 To 100, Deduct</i>	-19.76	
			<i>For >100, Deduct</i>	-27.89	
08 14 23 19-0084	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	325.34	69.87
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.27	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	100.22	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.20	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	222.72	
			<i>For >50 To 100, Deduct</i>	-19.76	
			<i>For >100, Deduct</i>	-27.89	
08 14 23 19-0085	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	342.45	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.03	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.26	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	235.62	
			<i>For >50 To 100, Deduct</i>	-20.78	
			<i>For >100, Deduct</i>	-29.34	
08 14 23 19-0086	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	353.18	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.85	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	111.82	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	248.50	
			<i>For >50 To 100, Deduct</i>	-21.31	
			<i>For >100, Deduct</i>	-30.14	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0087	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	355.17	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	112.90	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	156.80	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	250.88	
			<i>For >50 To 100, Deduct</i>	-21.41	
			<i>For >100, Deduct</i>	-30.29	
08 14 23 19-0088	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	363.54	76.22
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.33	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	113.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	158.33	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	253.32	
			<i>For >50 To 100, Deduct</i>	-21.99	
			<i>For >100, Deduct</i>	-31.08	
08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	386.80	76.22
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.12	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.55	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.77	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	281.23	
			<i>For >50 To 100, Deduct</i>	-23.15	
			<i>For >100, Deduct</i>	-32.82	
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	435.64	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.50	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.64	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	332.22	
			<i>For >50 To 100, Deduct</i>	-25.75	
			<i>For >100, Deduct</i>	-36.64	
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	449.50	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.89	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	156.98	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.03	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	348.85	
			<i>For >50 To 100, Deduct</i>	-26.44	
			<i>For >100, Deduct</i>	-37.68	
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	477.16	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.92	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.78	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	382.04	
			<i>For >50 To 100, Deduct</i>	-27.83	
			<i>For >100, Deduct</i>	-39.76	
08 14 23 19-0093	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	336.15	69.87
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.57	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.06	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	235.69	
			<i>For >50 To 100, Deduct</i>	-20.30	
			<i>For >100, Deduct</i>	-28.70	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	336.15	69.87
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.57	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.06	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	235.69	
			<i>For >50 To 100, Deduct</i>	-20.30	
			<i>For >100, Deduct</i>	-28.70	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	353.89	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.93	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	112.21	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.84	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	249.35	
			<i>For >50 To 100, Deduct</i>	-21.35	
			<i>For >100, Deduct</i>	-30.19	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.24	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.30	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	118.34	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	164.36	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	262.97	
			<i>For >50 To 100, Deduct</i>	-21.91	
			<i>For >100, Deduct</i>	-31.05	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	367.35	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	165.94	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	265.50	
			<i>For >50 To 100, Deduct</i>	-22.02	
			<i>For >100, Deduct</i>	-31.20	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	375.83	76.22
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.81	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	120.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	167.54	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	268.07	
			<i>For >50 To 100, Deduct</i>	-22.60	
			<i>For >100, Deduct</i>	-32.00	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	400.44	76.22
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.76	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.92	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	186.00	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	297.60	
			<i>For >50 To 100, Deduct</i>	-23.83	
			<i>For >100, Deduct</i>	-33.84	
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	451.75	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.16	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	158.20	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	219.72	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	351.55	
			<i>For >50 To 100, Deduct</i>	-26.56	
			<i>For >100, Deduct</i>	-37.85	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	466.41	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.91	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	230.72	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	369.14	
			<i>For >50 To 100, Deduct</i>	-27.29	
			<i>For >100, Deduct</i>	-38.95	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	495.69	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.43	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.93	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	252.68	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	404.28	
			<i>For >50 To 100, Deduct</i>	-28.75	
			<i>For >100, Deduct</i>	-41.15	
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	374.45	69.87
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.17	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.74	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	176.03	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	281.65	
			<i>For >50 To 100, Deduct</i>	-22.22	
			<i>For >100, Deduct</i>	-31.58	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	374.45	69.87
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.17	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.74	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	176.03	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	281.65	
			<i>For >50 To 100, Deduct</i>	-22.22	
			<i>For >100, Deduct</i>	-31.58	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	394.41	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.80	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	134.09	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	186.23	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	297.97	
			<i>For >50 To 100, Deduct</i>	-23.37	
			<i>For >100, Deduct</i>	-33.23	
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	407.98	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.43	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.41	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.26	
			<i>For >50 To 100, Deduct</i>	-24.05	
			<i>For >100, Deduct</i>	-34.25	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	410.49	73.04
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	142.77	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.29	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	317.27	
			<i>For >50 To 100, Deduct</i>	-24.18	
			<i>For >100, Deduct</i>	-34.44	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	419.40	76.22
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.04	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	144.16	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	200.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	320.35	
			<i>For >50 To 100, Deduct</i>	-24.78	
			<i>For >100, Deduct</i>	-35.27	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	448.80	76.22
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.03	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	222.27	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	355.63	
			<i>For >50 To 100, Deduct</i>	-26.25	
			<i>For >100, Deduct</i>	-37.47	
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	508.87	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.01	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	189.04	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	262.56	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	420.10	
			<i>For >50 To 100, Deduct</i>	-29.41	
			<i>For >100, Deduct</i>	-42.14	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	526.41	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	275.72	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	441.14	
			<i>For >50 To 100, Deduct</i>	-30.29	
			<i>For >100, Deduct</i>	-43.45	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	561.39	79.40
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	48.31	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	217.40	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	301.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	483.12	
			<i>For >50 To 100, Deduct</i>	-32.04	
			<i>For >100, Deduct</i>	-46.07	

08 14 66 Wood Screen Doors (08 14)

08 14 66 00-0001			Wood Screen Storm Door, Residential Grade (08 14 66) Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA		2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	535.80	182.93
08 14 66 00-0003	EA		3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	564.03	203.26
08 14 66 00-0004	EA		2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	535.80	182.93
08 14 66 00-0005	EA		3' x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	564.03	203.26

08 14 73 Sliding Wood Doors (08 14)

08 14 73 00-0001			Sliding Pocket Door (08 14 73) Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002			Birch Faced Pocket Door (08 14 73 00-0001) Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003			1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002) See CSI section 08 14 73 00-0055 for all jams and track hardware.		
08 14 73 00-0004			6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0005	EA		2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	480.14	44.46
			<i>For Oak, Add</i>	107.98	
			<i>For Ash/Hickory, Add</i>	157.27	
			<i>For Walnut, Add</i>	229.26	
			<i>For Cherry, Add</i>	372.84	
08 14 73 00-0006	EA		2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	495.98	47.64
			<i>For Oak, Add</i>	110.60	
			<i>For Ash/Hickory, Add</i>	161.09	
			<i>For Walnut, Add</i>	234.82	
			<i>For Cherry, Add</i>	381.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0007 EA 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	514.17	50.82
<i>For Oak, Add</i>	113.87	
<i>For Ash/Hickory, Add</i>	165.85	
<i>For Walnut, Add</i>	241.77	
<i>For Cherry, Add</i>	393.18	
08 14 73 00-0008 EA 2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	527.63	53.99
<i>For Oak, Add</i>	115.83	
<i>For Ash/Hickory, Add</i>	168.71	
<i>For Walnut, Add</i>	245.93	
<i>For Cherry, Add</i>	399.96	
08 14 73 00-0009 EA 2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	545.86	57.17
<i>For Oak, Add</i>	119.11	
<i>For Ash/Hickory, Add</i>	173.48	
<i>For Walnut, Add</i>	252.88	
<i>For Cherry, Add</i>	411.26	
08 14 73 00-0010 EA 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	561.68	60.35
<i>For Oak, Add</i>	121.72	
<i>For Ash/Hickory, Add</i>	177.29	
<i>For Walnut, Add</i>	258.44	
<i>For Cherry, Add</i>	420.29	
08 14 73 00-0011 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	941.25	79.40
<i>For Oak, Add</i>	215.96	
<i>For Ash/Hickory, Add</i>	314.55	
<i>For Walnut, Add</i>	458.52	
<i>For Cherry, Add</i>	745.68	
08 14 73 00-0012 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	996.63	85.75
<i>For Oak, Add</i>	227.74	
<i>For Ash/Hickory, Add</i>	331.71	
<i>For Walnut, Add</i>	483.53	
<i>For Cherry, Add</i>	786.36	
08 14 73 00-0013 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,066.27	92.10
<i>For Oak, Add</i>	243.45	
<i>For Ash/Hickory, Add</i>	354.58	
<i>For Walnut, Add</i>	516.88	
<i>For Cherry, Add</i>	840.59	
08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0003)</small>		
08 14 73 00-0015 EA 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	563.13	44.46
<i>For Oak, Add</i>	110.97	
<i>For Ash/Hickory, Add</i>	110.97	
<i>For Walnut, Add</i>	182.57	
<i>For Cherry, Add</i>	342.86	
08 14 73 00-0016 EA 2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	590.82	47.64
<i>For Oak, Add</i>	115.96	
<i>For Ash/Hickory, Add</i>	115.96	
<i>For Walnut, Add</i>	190.79	
<i>For Cherry, Add</i>	358.29	
08 14 73 00-0017 EA 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	611.39	50.82
<i>For Oak, Add</i>	119.29	
<i>For Ash/Hickory, Add</i>	119.29	
<i>For Walnut, Add</i>	196.27	
<i>For Cherry, Add</i>	368.58	
08 14 73 00-0018 EA 2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	629.59	53.99
<i>For Oak, Add</i>	122.06	
<i>For Ash/Hickory, Add</i>	122.06	
<i>For Walnut, Add</i>	200.83	
<i>For Cherry, Add</i>	377.15	
08 14 73 00-0019 EA 2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	645.45	57.17
<i>For Oak, Add</i>	124.28	
<i>For Ash/Hickory, Add</i>	124.28	
<i>For Walnut, Add</i>	204.49	
<i>For Cherry, Add</i>	384.01	
08 14 73 00-0020 EA 3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	666.01	60.35
<i>For Oak, Add</i>	127.61	
<i>For Ash/Hickory, Add</i>	127.61	
<i>For Walnut, Add</i>	209.96	
<i>For Cherry, Add</i>	394.29	
08 14 73 00-0021 EA 4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,107.23	79.40
<i>For Oak, Add</i>	221.93	
<i>For Ash/Hickory, Add</i>	221.93	
<i>For Walnut, Add</i>	365.15	
<i>For Cherry, Add</i>	685.72	
08 14 73 00-0022 EA 5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,191.06	85.75
<i>For Oak, Add</i>	238.58	
<i>For Ash/Hickory, Add</i>	238.58	
<i>For Walnut, Add</i>	392.53	
<i>For Cherry, Add</i>	737.15	
08 14 73 00-0023 EA 6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,274.93	92.10
<i>For Oak, Add</i>	255.23	
<i>For Ash/Hickory, Add</i>	255.23	
<i>For Walnut, Add</i>	419.92	
<i>For Cherry, Add</i>	788.58	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0024			1-3/4" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0002)</small> See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0025			6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0026	EA		2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	705.40	44.46
			<i>For Oak, Add</i>	144.26	
			<i>For Ash/Hickory, Add</i>	144.26	
			<i>For Walnut, Add</i>	237.35	
			<i>For Cherry, Add</i>	445.72	
08 14 73 00-0027	EA		2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	740.20	47.64
			<i>For Oak, Add</i>	150.92	
			<i>For Ash/Hickory, Add</i>	150.92	
			<i>For Walnut, Add</i>	248.30	
			<i>For Cherry, Add</i>	466.29	
08 14 73 00-0028	EA		2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	760.77	50.82
			<i>For Oak, Add</i>	154.25	
			<i>For Ash/Hickory, Add</i>	154.25	
			<i>For Walnut, Add</i>	253.78	
			<i>For Cherry, Add</i>	476.58	
08 14 73 00-0029	EA		2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	783.71	53.99
			<i>For Oak, Add</i>	158.13	
			<i>For Ash/Hickory, Add</i>	158.13	
			<i>For Walnut, Add</i>	260.17	
			<i>For Cherry, Add</i>	488.57	
08 14 73 00-0030	EA		2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	804.31	57.17
			<i>For Oak, Add</i>	161.46	
			<i>For Ash/Hickory, Add</i>	161.46	
			<i>For Walnut, Add</i>	265.65	
			<i>For Cherry, Add</i>	498.86	
08 14 73 00-0031	EA		3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	824.88	60.35
			<i>For Oak, Add</i>	164.79	
			<i>For Ash/Hickory, Add</i>	164.79	
			<i>For Walnut, Add</i>	271.12	
			<i>For Cherry, Add</i>	509.15	
08 14 73 00-0032	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,391.76	79.40
			<i>For Oak, Add</i>	288.51	
			<i>For Ash/Hickory, Add</i>	288.51	
			<i>For Walnut, Add</i>	474.69	
			<i>For Cherry, Add</i>	891.44	
08 14 73 00-0033	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,489.82	85.75
			<i>For Oak, Add</i>	308.49	
			<i>For Ash/Hickory, Add</i>	308.49	
			<i>For Walnut, Add</i>	507.56	
			<i>For Cherry, Add</i>	953.15	
08 14 73 00-0034	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,592.65	92.10
			<i>For Oak, Add</i>	329.57	
			<i>For Ash/Hickory, Add</i>	329.57	
			<i>For Walnut, Add</i>	542.25	
			<i>For Cherry, Add</i>	1,018.29	
08 14 73 00-0035			7' High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036	EA		2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	752.82	44.46
			<i>For Oak, Add</i>	155.35	
			<i>For Ash/Hickory, Add</i>	155.35	
			<i>For Walnut, Add</i>	255.61	
			<i>For Cherry, Add</i>	480.01	
08 14 73 00-0037	EA		2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	792.36	47.64
			<i>For Oak, Add</i>	163.12	
			<i>For Ash/Hickory, Add</i>	163.12	
			<i>For Walnut, Add</i>	268.38	
			<i>For Cherry, Add</i>	504.00	
08 14 73 00-0038	EA		2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	815.30	50.82
			<i>For Oak, Add</i>	167.01	
			<i>For Ash/Hickory, Add</i>	167.01	
			<i>For Walnut, Add</i>	274.77	
			<i>For Cherry, Add</i>	516.01	
08 14 73 00-0039	EA		2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	838.25	53.99
			<i>For Oak, Add</i>	170.89	
			<i>For Ash/Hickory, Add</i>	170.89	
			<i>For Walnut, Add</i>	281.17	
			<i>For Cherry, Add</i>	528.01	
08 14 73 00-0040	EA		2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	858.85	57.17
			<i>For Oak, Add</i>	174.22	
			<i>For Ash/Hickory, Add</i>	174.22	
			<i>For Walnut, Add</i>	286.64	
			<i>For Cherry, Add</i>	538.30	
08 14 73 00-0041	EA		3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	881.78	60.35
			<i>For Oak, Add</i>	178.10	
			<i>For Ash/Hickory, Add</i>	178.10	
			<i>For Walnut, Add</i>	293.03	
			<i>For Cherry, Add</i>	550.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0042 EA 4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,486.61	79.40
<i>For Oak, Add</i>	310.71	
<i>For Ash/Hickory, Add</i>	310.71	
<i>For Walnut, Add</i>	511.21	
<i>For Cherry, Add</i>	960.01	
08 14 73 00-0043 EA 5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,598.89	85.75
<i>For Oak, Add</i>	334.01	
<i>For Ash/Hickory, Add</i>	334.01	
<i>For Walnut, Add</i>	549.55	
<i>For Cherry, Add</i>	1,032.01	
08 14 73 00-0044 EA 6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,706.47	92.10
<i>For Oak, Add</i>	356.21	
<i>For Ash/Hickory, Add</i>	356.21	
<i>For Walnut, Add</i>	586.07	
<i>For Cherry, Add</i>	1,100.59	
08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0046 EA 2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	800.24	44.46
<i>For Oak, Add</i>	166.45	
<i>For Ash/Hickory, Add</i>	166.45	
<i>For Walnut, Add</i>	273.86	
<i>For Cherry, Add</i>	514.29	
08 14 73 00-0047 EA 2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	839.79	47.64
<i>For Oak, Add</i>	174.22	
<i>For Ash/Hickory, Add</i>	174.22	
<i>For Walnut, Add</i>	286.64	
<i>For Cherry, Add</i>	538.30	
08 14 73 00-0048 EA 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	865.09	50.82
<i>For Oak, Add</i>	178.66	
<i>For Ash/Hickory, Add</i>	178.66	
<i>For Walnut, Add</i>	293.94	
<i>For Cherry, Add</i>	552.00	
08 14 73 00-0049 EA 2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	890.41	53.99
<i>For Oak, Add</i>	183.10	
<i>For Ash/Hickory, Add</i>	183.10	
<i>For Walnut, Add</i>	301.25	
<i>For Cherry, Add</i>	565.72	
08 14 73 00-0050 EA 2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	911.01	57.17
<i>For Oak, Add</i>	186.43	
<i>For Ash/Hickory, Add</i>	186.43	
<i>For Walnut, Add</i>	306.73	
<i>For Cherry, Add</i>	576.01	
08 14 73 00-0051 EA 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	936.32	60.35
<i>For Oak, Add</i>	190.86	
<i>For Ash/Hickory, Add</i>	190.86	
<i>For Walnut, Add</i>	314.03	
<i>For Cherry, Add</i>	589.72	
08 14 73 00-0052 EA 4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,581.45	79.40
<i>For Oak, Add</i>	332.90	
<i>For Ash/Hickory, Add</i>	332.90	
<i>For Walnut, Add</i>	547.72	
<i>For Cherry, Add</i>	1,028.58	
08 14 73 00-0053 EA 5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,698.48	85.75
<i>For Oak, Add</i>	357.32	
<i>For Ash/Hickory, Add</i>	357.32	
<i>For Walnut, Add</i>	587.89	
<i>For Cherry, Add</i>	1,104.01	
08 14 73 00-0054 EA 6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,815.54	92.10
<i>For Oak, Add</i>	381.73	
<i>For Ash/Hickory, Add</i>	381.73	
<i>For Walnut, Add</i>	628.06	
<i>For Cherry, Add</i>	1,179.44	
08 14 73 00-0055 Accessories <small>(08 14 73 00-0001)</small>		
08 14 73 00-0056 Jamb Replacement <small>(08 14 73 00-0055)</small>		
08 14 73 00-0057 EA 4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	157.67	
<i>For Oak, Add</i>	10.64	
<i>For Ash/Hickory, Add</i>	16.67	
<i>For Walnut, Add</i>	36.44	
<i>For Cherry, Add</i>	57.72	
08 14 73 00-0058 EA 5-1/4" Birch Jamb Replacement For Pocket Doors	160.71	
<i>For Oak, Add</i>	10.98	
<i>For Ash/Hickory, Add</i>	17.20	
<i>For Walnut, Add</i>	37.62	
<i>For Cherry, Add</i>	59.58	
08 14 73 00-0059 EA 6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	180.45	
<i>For Oak, Add</i>	13.21	
<i>For Ash/Hickory, Add</i>	20.70	
<i>For Walnut, Add</i>	45.26	
<i>For Cherry, Add</i>	71.68	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 73 00-0060		Track And Hardware Replacement Kits (08 14 73 00-0055)			
		Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.			
08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	380.23		
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	383.79		
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	390.92		
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	458.59		
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	462.16		
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	469.28		
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	494.21		
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	497.77		
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	504.90		
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	54.68		
08 14 73 00-0071		Bi-Pass Doors (08 14 73)			
		Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 LB maximum door weight (each opening).			
08 14 73 00-0072		Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors (08 14 73 00-0071)			
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	467.36	101.59	
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	513.08	107.94	
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	559.35	114.29	
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	764.42	120.64	
08 14 73 00-0077		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors (08 14 73 00-0071)			
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	436.76	101.59	
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	465.36	107.94	
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	506.83	114.29	
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	703.22	120.64	
08 14 73 00-0082		Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors (08 14 73 00-0071)			
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	468.22	101.59	
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	510.95	107.94	
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	555.81	114.29	
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	766.14	120.64	
08 14 76		Bifolding Wood Doors (08 14)			
08 14 76 00-0001		Bi-Fold Wood Doors (08 14 76)			
		Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.			
08 14 76 00-0002		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors (08 14 76 00-0001)			
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	227.29	76.19	
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	239.99	82.54	
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	257.68	88.90	
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	270.38	95.24	
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	346.94	101.59	
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	359.63	107.94	
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	382.93	114.29	
08 14 76 00-0010		Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors (08 14 76 00-0001)			
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	239.51	76.19	
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	256.22	82.54	
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	276.60	88.90	
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	289.30	95.24	
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	373.11	101.59	
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	400.42	107.94	
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	429.28	114.29	
08 14 76 00-0018		Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)			
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	240.08	76.19	
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	264.05	82.54	
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	283.82	88.90	
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	296.52	95.24	
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	379.43	101.59	
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	394.65	107.94	
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	429.28	114.29	
08 14 76 00-0026		Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)			



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0027	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	603.35	76.19
08 14 76 00-0028	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	688.91	82.54
08 14 76 00-0029	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	786.28	88.90
08 14 76 00-0030	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	798.98	95.24
08 14 76 00-0031	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,105.10	101.59
08 14 76 00-0032	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,263.52	107.94
08 14 76 00-0033	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,445.57	114.29
08 14 76 00-0034			Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0035	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	770.73	76.19
08 14 76 00-0036	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	836.60	82.54
08 14 76 00-0037	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	914.28	88.90
08 14 76 00-0038	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	926.98	95.24
08 14 76 00-0039	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,439.88	101.59
08 14 76 00-0040	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,558.91	107.94
08 14 76 00-0041	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,701.58	114.29
08 14 76 00-0042			Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0043	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	231.59	76.19
08 14 76 00-0044	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	249.31	82.54
08 14 76 00-0045	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	272.64	88.90
08 14 76 00-0046	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	276.38	95.24
08 14 76 00-0047	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	339.86	101.59
08 14 76 00-0048	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	366.61	107.94
08 14 76 00-0049	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	409.68	114.29
08 15			Plastic Doors <small>(08 10)</small>		
			Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
08 16			Composite Doors <small>(08 10)</small>		
			Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
08 16 13			Fiberglass Doors <small>(08 16)</small>		
			See CSI section 08 70 00 00-0000 for finish hardware.		
08 16 13 00-0001			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors <small>(08 16 13)</small>		
08 16 13 00-0002			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0003			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0002)</small>		
			Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
08 16 13 00-0004			Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small>		
			Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005			6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0006	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,081.82	76.22
			For Custom Color Finish, Add	159.43	
			For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0007	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,289.37	79.40
			For Custom Color Finish, Add	159.43	
			For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0008	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,605.59	85.75
			For Custom Color Finish, Add	159.43	
			For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0009			7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0010	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,081.82	76.22
			For Custom Color Finish, Add	159.43	
			For Stainless Steel Continuous Hinge, Add	354.87	

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0011 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,371.22	79.40
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0012 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,692.55	85.75
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0016 EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.74	76.22
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0017 EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,731.00	79.40
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0018 EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,253.53	85.75
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0020 EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.74	76.22
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0021 EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,996.99	79.40
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0022 EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,352.43	85.75
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0025 EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.74	76.22
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0026 EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,731.00	79.40
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0027 EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,253.53	85.75
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0029 EA 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.74	76.22
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0030 EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,996.99	79.40
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0031 EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,352.43	85.75
<i>For Custom Color Finish, Add</i>	159.43	
<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	



Openings	08	08
Doors and Frames	08 10	
Composite Doors	08 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0032 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0033 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0032)</small>		
08 16 13 00-0034 EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.74	76.22
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0035 EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,731.00	79.40
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0036 EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,253.53	85.75
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0037 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0032)</small>		
08 16 13 00-0038 EA 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.74	76.22
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0039 EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,996.99	79.40
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0040 EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,352.43	85.75
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0041 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small> Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0041)</small>		
08 16 13 00-0043 EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,257.45	76.22
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0044 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0041)</small>		
08 16 13 00-0045 EA 3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,257.45	76.22
For Custom Color Finish, Add	159.43	
For Stainless Steel Continuous Hinge, Add	354.87	
08 16 13 00-0046 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) <small>(08 16 13 00-0002)</small>		
08 16 13 00-0047 SI 1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.44	
08 16 13 00-0048 SI 1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.45	
08 16 13 00-0049 SI 1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.58	
08 16 13 00-0050 SI 1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.56	
08 16 13 00-0051 SI Factory Installed Molded Louver (Chem-Pruf).....	1.12	
08 16 13 00-0052 SI Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	1.26	
08 16 13 00-0053 LF Weather Strip (Chem-Pruf).....	11.94	
08 16 13 00-0054 LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	15.35	
08 16 13 00-0055 LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	32.40	
08 16 13 00-0056 LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	35.81	
08 16 13 00-0057 LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	69.91	
08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0058)</small> Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 16 13 00-0061		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,359.84	76.22
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,393.01	79.40
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,508.88	85.75
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0065		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,359.84	76.22
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,496.17	79.40
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,508.88	85.75
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0069		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small>		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,907.23	76.22
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,987.85	79.40
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,178.00	85.75
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0075		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,907.23	76.22
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,016.74	79.40
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,266.71	85.75
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,907.23	76.22
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,987.85	79.40
		<i>For Custom Color Finish, Add</i>	159.43	
		<i>For Stainless Steel Continuous Hinge, Add</i>	354.87	



Openings	08	08
Doors and Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0083	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,178.00 159.43 354.87	85.75
08 16 13 00-0084			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,907.23 159.43 354.87	76.22
08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,016.74 159.43 354.87	79.40
08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,266.71 159.43 354.87	85.75
08 16 13 00-0088			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0089			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)		
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,907.23 159.43 354.87	76.22
08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,987.85 159.43 354.87	79.40
08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,178.00 159.43 354.87	85.75
08 16 13 00-0093			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)		
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,907.23 159.43 354.87	76.22
08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,016.74 159.43 354.87	79.40
08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,266.71 159.43 354.87	85.75
08 16 13 00-0097			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,669.32 159.43 354.87	76.22
08 16 13 00-0100			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,669.32 159.43 354.87	76.22
08 16 13 00-0102			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0058)		
08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door)	0.97	
08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.00	
08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.06	

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.52	
08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door).....	0.60	
08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.96	
08 16 13 00-0109	LF		Weather Strip (Skule Door).....	8.25	
08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	10.32	
08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	33.01	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	117.60	
08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	45.39	
08 16 13 00-0114			Galvanized Insulated Poly Core Composite Doors (08 16 13)		
08 16 13 00-0115	EA		3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N).....	1,354.36	76.22
08 17 Integrated Door Opening Assemblies			(08 10)		
08 17 23 Integrated Metal Door Opening Assemblies			(08 17)		
08 17 23 00-0001			Pre-Hung Interior Door Units (08 17 23) Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.		
08 17 23 00-0002			Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)		
08 17 23 00-0003			Birch Faced (08 17 23 00-0002)		
08 17 23 00-0004	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	380.25	79.40
			<i>For 8' Door Height, Add</i>	53.15	
08 17 23 00-0005	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	393.85	79.40
			<i>For 8' Door Height, Add</i>	56.41	
08 17 23 00-0006	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	413.83	82.57
			<i>For 8' Door Height, Add</i>	59.69	
08 17 23 00-0007	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	424.23	85.75
			<i>For 8' Door Height, Add</i>	60.66	
08 17 23 00-0008	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	448.92	85.75
			<i>For 8' Door Height, Add</i>	66.58	
08 17 23 00-0009	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	473.03	88.93
			<i>For 8' Door Height, Add</i>	70.84	
08 17 23 00-0010	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	703.34	130.21
			<i>For 8' Door Height, Add</i>	106.30	
08 17 23 00-0011	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	749.63	139.74
			<i>For 8' Door Height, Add</i>	112.84	
08 17 23 00-0012	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	804.01	149.26
			<i>For 8' Door Height, Add</i>	121.31	
08 17 23 00-0013			Lauan Faced (08 17 23 00-0002)		
08 17 23 00-0014	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	354.50	79.40
			<i>For 8' Door Height, Add</i>	46.97	
08 17 23 00-0015	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	367.78	79.40
			<i>For 8' Door Height, Add</i>	50.16	
08 17 23 00-0016	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	385.32	82.57
			<i>For 8' Door Height, Add</i>	52.84	
08 17 23 00-0017	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	399.58	85.75
			<i>For 8' Door Height, Add</i>	54.74	
08 17 23 00-0018	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	421.39	85.75
			<i>For 8' Door Height, Add</i>	59.97	
08 17 23 00-0019	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	439.33	88.93
			<i>For 8' Door Height, Add</i>	62.76	
08 17 23 00-0020	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	651.86	130.21
			<i>For 8' Door Height, Add</i>	93.94	
08 17 23 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	697.40	139.74
			<i>For 8' Door Height, Add</i>	100.30	
08 17 23 00-0022	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	754.76	149.26
			<i>For 8' Door Height, Add</i>	109.49	
08 17 23 00-0023			Tempered Hardboard Faced (08 17 23 00-0002)		
08 17 23 00-0024	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	309.68	79.40
			<i>For 8' Door Height, Add</i>	36.21	
08 17 23 00-0025	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	320.69	79.40
			<i>For 8' Door Height, Add</i>	38.86	
08 17 23 00-0026	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	332.26	82.57
			<i>For 8' Door Height, Add</i>	40.11	
08 17 23 00-0027	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	349.06	85.75
			<i>For 8' Door Height, Add</i>	42.62	
08 17 23 00-0028	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	368.58	85.75
			<i>For 8' Door Height, Add</i>	47.30	
08 17 23 00-0029	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	391.07	88.93
			<i>For 8' Door Height, Add</i>	51.17	
08 17 23 00-0030	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	567.27	130.21
			<i>For 8' Door Height, Add</i>	73.64	
08 17 23 00-0031	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	603.26	139.74
			<i>For 8' Door Height, Add</i>	77.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0032 EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	653.65 85.23	149.26
08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0034 Birch Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0035 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	550.96 94.12	79.40
08 17 23 00-0036 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	571.58 99.07	79.40
08 17 23 00-0037 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	598.51 104.01	82.57
08 17 23 00-0038 EA 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	629.97 110.04	85.75
08 17 23 00-0039 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	680.31 122.12	85.75
08 17 23 00-0040 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	731.15 132.79	88.93
08 17 23 00-0041 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,044.76 188.24	130.21
08 17 23 00-0042 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,105.06 198.14	139.74
08 17 23 00-0043 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,215.48 220.07	149.26
08 17 23 00-0044 Luan Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0045 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	708.37 131.90	79.40
08 17 23 00-0046 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	738.59 139.15	79.40
08 17 23 00-0047 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	775.12 146.40	82.57
08 17 23 00-0048 EA 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	811.96 153.71	85.75
08 17 23 00-0049 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	882.40 170.62	85.75
08 17 23 00-0050 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	934.25 181.54	88.93
08 17 23 00-0051 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	1,359.57 263.79	130.21
08 17 23 00-0052 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	1,439.11 278.31	139.74
08 17 23 00-0053 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	1,579.47 307.43	149.26
08 17 23 00-0054 Tempered Hardboard Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0055 EA 2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	451.44 70.24	79.40
08 17 23 00-0056 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	468.38 74.30	79.40
08 17 23 00-0057 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	491.73 78.38	82.57
08 17 23 00-0058 EA 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	504.37 79.89	85.75
08 17 23 00-0059 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	541.08 88.70	85.75
08 17 23 00-0060 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	571.11 94.38	88.93
08 17 23 00-0061 PR Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	845.72 140.47	130.21
08 17 23 00-0062 PR Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	898.65 148.60	139.74
08 17 23 00-0063 PR Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	964.27 159.78	149.26
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0065 Birch Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0066 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	435.58 66.43	79.40
08 17 23 00-0067 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	446.03 68.94	79.40
08 17 23 00-0068 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	456.24 69.86	82.57
08 17 23 00-0069 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	479.62 73.95	85.75
08 17 23 00-0070 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	524.82 84.80	85.75
08 17 23 00-0071 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	583.99 97.47	88.93

08	Openings
08 10	Doors and Frames
08 17	Integrated Door Opening Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	814.05 132.86	130.21
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	853.95 137.88	139.74
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	914.82 147.91	149.26
08 17 23 00-0075			Lauan Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	407.41 59.67	79.40
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	424.54 63.78	79.40
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	444.80 67.12	82.57
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	456.65 68.44	85.75
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	488.00 75.96	85.75
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	514.61 80.82	88.93
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	757.68 119.34	130.21
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	810.99 127.56	139.74
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	868.87 136.88	149.26
08 17 23 00-0085			Tempered Hardboard Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	346.79 45.12	79.40
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	352.03 46.38	79.40
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	368.83 48.89	82.57
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	385.63 51.39	85.75
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	397.55 54.25	85.75
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	422.42 58.70	88.93
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	642.71 91.75	130.21
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	665.95 92.76	139.74
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	726.82 102.79	149.26
08 17 23 00-0095			Solid Core Doors, 1-3/4" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0096			Birch Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	611.01 108.53	79.40
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	629.84 113.05	79.40
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	642.49 114.56	82.57
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	667.66 119.08	85.75
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	722.25 132.18	85.75
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	783.71 145.41	88.93
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,164.87 217.07	130.21
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,221.56 226.10	139.74
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,290.89 238.16	149.26
08 17 23 00-0106			Lauan Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	906.86 179.54	79.40
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	909.03 180.06	79.40
08 17 23 00-0109	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	936.93 185.23	82.57
08 17 23 00-0110	EA		3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	958.89 188.98	85.75



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,030.06 206.06	85.75
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,091.34 219.24	88.93
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,756.60 359.08	130.21
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,779.96 360.12	139.74
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,873.34 377.95	149.26
08 17 23 00-0116 Tempered Hardboard Faced <small>(08 17 23 00-0095)</small>				
08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	516.79 85.92	79.40
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	523.05 87.42	79.40
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	535.71 88.94	82.57
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	554.63 91.95	85.75
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	582.74 98.70	85.75
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	615.41 105.01	88.93
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	976.41 171.84	130.21
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	1,008.01 174.85	139.74
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	1,064.79 183.90	149.26
08 17 23 00-0126 Oak Or Maple Faced <small>(08 17 23 00-0095)</small>				
08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	837.62 162.92	79.40
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	841.77 163.92	79.40
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	883.21 172.33	82.57
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	898.73 174.54	85.75
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	977.56 193.45	85.75
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,077.32 215.88	88.93
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,618.11 325.85	130.21
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,645.47 327.84	139.74
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,753.01 349.07	149.26
08 17 23 00-0136 Walnut Faced <small>(08 17 23 00-0095)</small>				
08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,049.63 213.80	79.40
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,086.67 222.69	79.40
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,105.43 225.67	82.57
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,148.88 234.57	85.75
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,256.41 260.38	85.75
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,371.34 286.44	88.93
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,042.11 427.60	130.21
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,135.23 445.38	139.74
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,253.32 469.15	149.26
08 18 Glass Doors <small>(08 10)</small>				
08 18 16 Sliding Glass Doors <small>(08 18)</small>				
08 18 16 00-0001		Sliding Aluminum-Framed Glass Doors <small>(08 18 16)</small>		
08 18 16 00-0002		Residential Sliding Aluminum-Framed Glass Doors <small>(08 18 16 00-0001)</small>		
08 18 16 00-0003		5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors <small>(08 18 16 00-0002)</small>		

08 Openings**08 10 Doors and Frames****08 18 Glass Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0004	SF		Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	36.24 5.28 1.42 3.80	5.71
08 18 16 00-0005	SF		>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	29.00 5.05 1.42 3.63	3.56
08 18 16 00-0006			1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)		
08 18 16 00-0007	SF		Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	40.03 6.23 1.42 4.48	5.71
08 18 16 00-0008	SF		>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	32.73 5.98 1.42 4.30	3.56
08 18 16 00-0009			Sliding Wood-Framed Glass Doors (08 18 16)		
08 18 16 00-0010			Residential Wood Sliding Doors With 5/8" Glass (08 18 16 00-0009)		
08 18 16 00-0011	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,164.06	171.50
08 18 16 00-0012	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,641.90	209.61
08 18 16 00-0013	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	3,052.64	241.37
08 18 16 00-0014	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,375.95	171.50
08 18 16 00-0015	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,915.57	209.61
08 18 16 00-0016	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	3,391.32	241.37
08 30 Specialty Doors and Frames			(08)		
			Note: Includes caulk, sealant and mounting anchors.		
08 31 Access Doors and Panels			(08 30)		
			See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.		
08 31 13 Access Doors and Frames			(08 31)		
08 31 13 00-0001			Stainless Steel Access Doors (08 31 13)		
08 31 13 00-0002			Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0003	EA		12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	469.62	75.02
08 31 13 00-0004	EA		12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	544.12	79.92
08 31 13 00-0005	EA		18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	632.50	84.53
08 31 13 00-0006	EA		24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	727.28	88.82
08 31 13 00-0007	EA		24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	743.48	89.28
08 31 13 00-0008	EA		24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....	960.88	92.04
08 31 13 00-0009			Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0010	EA		8" x 8" Stainless Steel Access Door With Cam Latch.....	201.67	57.52
08 31 13 00-0011	EA		12" x 12" Stainless Steel Access Door With Cam Latch.....	237.96	75.02
08 31 13 00-0012	EA		12" x 18" Stainless Steel Access Door With Cam Latch.....	329.62	79.92
08 31 13 00-0013	EA		18" x 18" Stainless Steel Access Door With Cam Latch.....	353.38	84.53
08 31 13 00-0014	EA		24" x 18" Stainless Steel Access Door With Cam Latch.....	407.07	88.82
08 31 13 00-0015	EA		24" x 24" Stainless Steel Access Door With Cam Latch.....	459.84	89.28
08 31 13 00-0016			Steel Access Doors (08 31 13)		
			Note: Includes paintable powder coated finish.		
08 31 13 00-0017			Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0018	EA		12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	295.24	75.47
08 31 13 00-0019	EA		12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	359.71	79.92
08 31 13 00-0020	EA		18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	361.50	84.53
08 31 13 00-0021	EA		24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	424.57	89.28
08 31 13 00-0022	EA		24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	442.06	89.28
08 31 13 00-0023	EA		24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	580.47	92.04
08 31 13 00-0024	EA		24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	663.92	95.88
08 31 13 00-0025	EA		36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	808.67	95.88
08 31 13 00-0026	EA		48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	1,033.50	115.05
08 31 13 00-0027			Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0028	EA		8" x 8" Steel Access Door With Cam Latch.....	165.09	57.83
08 31 13 00-0029	EA		12" x 12" Steel Access Door With Cam Latch.....	176.70	75.47
08 31 13 00-0030	EA		12" x 18" Steel Access Door With Cam Latch.....	200.40	79.92
08 31 13 00-0031	EA		18" x 18" Steel Access Door With Cam Latch.....	207.03	84.53
08 31 13 00-0032	EA		24" x 18" Steel Access Door With Cam Latch.....	240.96	89.28
08 31 13 00-0033	EA		24" x 24" Steel Access Door With Cam Latch.....	245.78	89.28



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 31 13 00-0034	EA 24" x 36" Steel Access Door With Cam Latch.....	317.18	92.04
	08 31 13 00-0035	EA 36" x 36" Steel Access Door With Cam Latch.....	405.33	95.88
08 31 13 00-0036		Fiberglass Reinforced Polyester (FRP) Access Doors (08 31 13)		
	08 31 13 00-0037	EA 8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	203.26	57.52
	08 31 13 00-0038	EA 12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	223.93	61.36
	08 31 13 00-0039	EA 12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	271.86	65.19
	08 31 13 00-0040	EA 18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	319.55	69.03
	08 31 13 00-0041	EA 24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	370.26	72.56
	08 31 13 00-0042	EA 24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	394.97	72.86
08 31 13 00-0043		Steel Recessed Access Doors For Drywall Application (08 31 13)		
		Note: Includes paintable powder coated finish.		
	08 31 13 00-0044	EA 8" x 8" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	222.88 29.85	57.52
	08 31 13 00-0045	EA 12" x 12" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	234.02 32.70	61.66
	08 31 13 00-0046	EA 12" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	250.98 34.10	65.19
	08 31 13 00-0047	EA 18" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	290.58 32.35	69.03
	08 31 13 00-0048	EA 24" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	305.87 34.29	72.86
	08 31 13 00-0049	EA 24" x 24" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	331.31 30.47	72.86
	08 31 13 00-0050	EA 24" x 36" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	413.35 39.25	92.04
	08 31 13 00-0051	EA 36" x 36" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	572.05 19.66	95.88
08 31 13 00-0052		Steel Crawl Space Doors And Frames (08 31 13)		
		Note: Includes paintable powder coated finish.		
	08 31 13 00-0053	EA 24" x 24" Steel Crawl Space Door With Cam Latch.....	259.81	97.11
	08 31 13 00-0054	EA 30" x 24" Steel Crawl Space Door With Cam Latch.....	357.78	117.66
	08 31 13 00-0055	EA 30" x 30" Steel Crawl Space Door With Cam Latch.....	399.44	127.78
08 33 Coiling Doors and Grilles (08 30)				
08 33 13 Coiling Counter Doors (08 33)				
08 33 13 00-0001		Overhead Rolling Counter Doors (08 33 13)		
08 33 13 00-0002		Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001)		
		Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0003	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,797.21 762.81	451.23
	08 33 13 00-0004	EA 6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,140.79 762.81	451.23
	08 33 13 00-0005	EA 8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,713.05 768.50	479.43
	08 33 13 00-0006	EA 10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,274.75 790.31	564.03
	08 33 13 00-0007	EA 4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,343.33 762.81	451.23
	08 33 13 00-0008	EA 6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,726.36 775.34	501.32
	08 33 13 00-0009	EA 8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,948.28 780.35	521.39
	08 33 13 00-0010	EA 10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,484.30 791.01	564.03
08 33 13 00-0011		Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001)		
		Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0012	EA 4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,656.17 762.81	451.23
	08 33 13 00-0013	EA 6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,601.02 762.81	451.23
	08 33 13 00-0014	EA 8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,829.69 768.50	479.43
	08 33 13 00-0015	EA 10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,765.73 790.31	564.03
	08 33 13 00-0016	EA 4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,202.29 762.81	451.23
	08 33 13 00-0017	EA 6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,499.43 775.34	501.32

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0018 EA 8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	9,721.35	521.39
<i>For Motor Operator (With Safety Reverse), Add</i>	780.35	
08 33 13 00-0019 EA 10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	12,404.77	564.03
<i>For Motor Operator (With Safety Reverse), Add</i>	791.01	
08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small>		
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021 EA 4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,484.37	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0022 EA 6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,827.96	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0023 EA 8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	8,743.80	479.43
<i>For Motor Operator (With Safety Reverse), Add</i>	768.50	
08 33 13 00-0024 EA 10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	10,336.25	564.03
<i>For Motor Operator (With Safety Reverse), Add</i>	790.31	
08 33 13 00-0025 EA 4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	9,030.50	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0026 EA 6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	9,413.53	501.32
<i>For Motor Operator (With Safety Reverse), Add</i>	775.34	
08 33 13 00-0027 EA 8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	9,678.40	521.39
<i>For Motor Operator (With Safety Reverse), Add</i>	780.35	
08 33 13 00-0028 EA 10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	12,232.98	564.03
<i>For Motor Operator (With Safety Reverse), Add</i>	791.01	
08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small>		
Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030 EA 4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	8,858.71	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0031 EA 6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	9,374.09	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0032 EA 8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	10,118.13	479.43
<i>For Motor Operator (With Safety Reverse), Add</i>	768.50	
08 33 13 00-0033 EA 10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	10,851.63	564.03
<i>For Motor Operator (With Safety Reverse), Add</i>	790.31	
08 33 13 00-0034 EA 4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	9,889.46	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0035 EA 6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	10,358.39	501.32
<i>For Motor Operator (With Safety Reverse), Add</i>	775.34	
08 33 13 00-0036 EA 8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	10,752.10	521.39
<i>For Motor Operator (With Safety Reverse), Add</i>	780.35	
08 33 13 00-0037 EA 10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	11,030.43	564.03
<i>For Motor Operator (With Safety Reverse), Add</i>	791.01	
08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small>		
Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039 EA 4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	10,061.25	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0040 EA 6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	11,435.59	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0041 EA 8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	11,664.26	479.43
<i>For Motor Operator (With Safety Reverse), Add</i>	768.50	
08 33 13 00-0042 EA 10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	14,287.47	564.03
<i>For Motor Operator (With Safety Reverse), Add</i>	790.31	
08 33 13 00-0043 EA 4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	10,920.21	451.23
<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0044 EA 6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	11,303.24	501.32
<i>For Motor Operator (With Safety Reverse), Add</i>	775.34	
08 33 13 00-0045 EA 8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	11,696.96	521.39
<i>For Motor Operator (With Safety Reverse), Add</i>	780.35	
08 33 13 00-0046 EA 10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	14,466.27	564.03
<i>For Motor Operator (With Safety Reverse), Add</i>	791.01	
08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors <small>(08 33 13)</small>		



Openings	08	08
Specialty Doors and Frames	08 30	
Coiling Doors and Grilles	08 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 33 13 00-0048	Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small>	
	Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.	
08 33 13 00-0049	EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	14,527.85
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0050	EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	14,871.43
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0051	EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	20,243.06
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.50
08 33 13 00-0052	EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	15,833.60
	<i>For Motor Operator (With Safety Reverse), Add</i>	790.31
08 33 13 00-0053	EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	15,043.22
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0054	EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	15,512.15
	<i>For Motor Operator (With Safety Reverse), Add</i>	775.34
08 33 13 00-0055	EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	15,905.86
	<i>For Motor Operator (With Safety Reverse), Add</i>	780.35
08 33 13 00-0056	EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	17,730.32
	<i>For Motor Operator (With Safety Reverse), Add</i>	791.01

08 33 13 00-0057	Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>	
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.	
08 33 13 00-0058	EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,809.93
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0059	EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	13,153.51
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0060	EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	13,553.97
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.50
08 33 13 00-0061	EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	14,115.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	790.31
08 33 13 00-0062	EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	14,356.05
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0063	EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	14,824.98
	<i>For Motor Operator (With Safety Reverse), Add</i>	775.34
08 33 13 00-0064	EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	15,390.48
	<i>For Motor Operator (With Safety Reverse), Add</i>	780.35
08 33 13 00-0065	EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	15,840.61
	<i>For Motor Operator (With Safety Reverse), Add</i>	791.01

08 33 13 00-0066	Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small>	
	Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.	
08 33 13 00-0067	EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	20,025.19
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0068	EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	21,743.11
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81
08 33 13 00-0069	EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	25,235.83
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.50
08 33 13 00-0070	EA 10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	27,171.87
	<i>For Motor Operator (With Safety Reverse), Add</i>	790.31
08 33 13 00-0071	EA 4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	22,602.07
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.81



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	24,445.33	501.32
		<i>For Motor Operator (With Safety Reverse), Add</i>	775.34	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	27,072.34	521.39
		<i>For Motor Operator (With Safety Reverse), Add</i>	780.35	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	30,614.72	564.03
		<i>For Motor Operator (With Safety Reverse), Add</i>	791.01	
08 33 13 00-0075		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>		
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	16,932.93	451.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	17,276.52	451.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	18,020.57	479.43
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.50	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	19,441.23	564.03
		<i>For Motor Operator (With Safety Reverse), Add</i>	790.31	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	17,963.69	451.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	19,119.78	501.32
		<i>For Motor Operator (With Safety Reverse), Add</i>	775.34	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	20,200.66	521.39
		<i>For Motor Operator (With Safety Reverse), Add</i>	780.35	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	23,743.04	564.03
		<i>For Motor Operator (With Safety Reverse), Add</i>	791.01	
08 33 13 00-0084		Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>		
		Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	24,319.99	451.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	25,178.95	451.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	28,671.67	479.43
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.50	
08 33 13 00-0088		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood <small>(08 33 13 00-0047)</small>		
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	18,307.27	451.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	25,178.95	451.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.81	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	28,671.67	479.43
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.50	
08 33 13 00-0092		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>		
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0093 EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	15,902.18	451.23
For Motor Operator (With Safety Reverse), Add	762.81	
08 33 13 00-0094 EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	17,963.69	451.23
For Motor Operator (With Safety Reverse), Add	762.81	
08 33 13 00-0095 EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	19,223.11	479.43
For Motor Operator (With Safety Reverse), Add	768.50	
08 33 13 00-0096 EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	21,159.15	564.03
For Motor Operator (With Safety Reverse), Add	790.31	

08 33 16 Coiling Counter Grilles (08 33)

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) (08 33 16)

08 33 16 00-0002 EA 4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,078.39	197.41
For Lexan Lattice Pattern, Add	227.15	
For Aluminum With Clear Or Anodized Bronze Finish, Add	108.22	
For Staggered Brick Pattern, Add	192.67	
08 33 16 00-0003 EA 6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,272.06	197.41
For Lexan Lattice Pattern, Add	256.20	
For Aluminum With Clear Or Anodized Bronze Finish, Add	148.92	
For Staggered Brick Pattern, Add	261.37	
08 33 16 00-0004 EA 8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,655.55	263.18
For Lexan Lattice Pattern, Add	285.53	
For Aluminum With Clear Or Anodized Bronze Finish, Add	189.64	
For Staggered Brick Pattern, Add	330.08	
08 33 16 00-0005 EA 12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,121.64	263.18
For Lexan Lattice Pattern, Add	355.44	
For Aluminum With Clear Or Anodized Bronze Finish, Add	271.05	
For Staggered Brick Pattern, Add	467.50	
08 33 16 00-0006 EA 16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,261.21	394.83
For Lexan Lattice Pattern, Add	469.97	
For Aluminum With Clear Or Anodized Bronze Finish, Add	406.06	
For Staggered Brick Pattern, Add	616.45	
08 33 16 00-0007 EA 18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,830.25	451.23
For Lexan Lattice Pattern, Add	527.24	
For Aluminum With Clear Or Anodized Bronze Finish, Add	406.06	
For Staggered Brick Pattern, Add	616.45	
08 33 16 00-0008 EA 20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,400.77	526.25
For Lexan Lattice Pattern, Add	584.50	
For Aluminum With Clear Or Anodized Bronze Finish, Add	541.06	
For Staggered Brick Pattern, Add	765.41	
08 33 16 00-0009 EA 24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,719.47	631.72
For Lexan Lattice Pattern, Add	736.75	
For Aluminum With Clear Or Anodized Bronze Finish, Add	649.28	
For Staggered Brick Pattern, Add	791.48	
08 33 16 00-0010 EA 30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	8,259.81	789.65
For Lexan Lattice Pattern, Add	900.55	
For Aluminum With Clear Or Anodized Bronze Finish, Add	759.96	
For Staggered Brick Pattern, Add	908.53	
08 33 16 00-0011 EA 4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,226.23	197.41
For Lexan Lattice Pattern, Add	249.33	
For Aluminum With Clear Or Anodized Bronze Finish, Add	162.31	
For Staggered Brick Pattern, Add	223.84	
08 33 16 00-0012 EA 6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,504.39	197.41
For Lexan Lattice Pattern, Add	291.05	
For Aluminum With Clear Or Anodized Bronze Finish, Add	243.45	
For Staggered Brick Pattern, Add	304.43	
08 33 16 00-0013 EA 8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,856.48	263.29
For Lexan Lattice Pattern, Add	315.66	
For Aluminum With Clear Or Anodized Bronze Finish, Add	324.57	
For Staggered Brick Pattern, Add	385.02	
08 33 16 00-0014 EA 12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,393.49	263.29
For Lexan Lattice Pattern, Add	396.22	
For Aluminum With Clear Or Anodized Bronze Finish, Add	486.96	
For Staggered Brick Pattern, Add	546.18	
08 33 16 00-0015 EA 16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,642.52	394.83
For Lexan Lattice Pattern, Add	527.17	
For Aluminum With Clear Or Anodized Bronze Finish, Add	649.28	
For Staggered Brick Pattern, Add	751.89	
08 33 16 00-0016 EA 18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,266.28	451.23
For Lexan Lattice Pattern, Add	592.64	
For Aluminum With Clear Or Anodized Bronze Finish, Add	649.28	
For Staggered Brick Pattern, Add	751.89	
08 33 16 00-0017 EA 20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,887.53	526.25
For Lexan Lattice Pattern, Add	658.12	
For Aluminum With Clear Or Anodized Bronze Finish, Add	811.60	
For Staggered Brick Pattern, Add	957.60	
08 33 16 00-0018 EA 24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,355.45	631.72
For Lexan Lattice Pattern, Add	832.15	
For Aluminum With Clear Or Anodized Bronze Finish, Add	973.91	
For Staggered Brick Pattern, Add	1,103.92	

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0019 EA 30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,893.23 995.56 1,133.90 1,237.56	789.65
08 33 23 Overhead Coiling Doors (08 33) Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.		
08 33 23 11 Overhead Coiling Doors (08 33 23) Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.		
08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11) Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
08 33 23 11-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,468.73	642.48
08 33 23 11-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,569.62	680.27
08 33 23 11-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,566.67	680.27
08 33 23 11-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,671.44	718.06
08 33 23 11-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,702.41	736.99
08 33 23 11-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,844.65	793.65
08 33 23 11-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,960.44	831.44
08 33 23 11-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,931.23	831.44
08 33 23 11-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,990.19	850.34
08 33 23 11-0012 EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,058.54	869.23
08 33 23 11-0013 EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,193.25	907.02
08 33 23 11-0014 EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,054.47	869.23
08 33 23 11-0015 EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,173.81	907.02
08 33 23 11-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,307.73	944.81
08 33 23 11-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,413.45	982.61
08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23 11-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,308.42 1,286.12	956.16
08 33 23 11-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,400.21 1,327.75	977.89
08 33 23 11-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,672.06 1,450.20	1,043.08
08 33 23 11-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,906.20 1,571.48	1,086.54
08 33 23 11-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,530.09 1,398.04	999.61
08 33 23 11-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,813.97 1,502.30	1,086.54
08 33 23 11-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	4,010.94 1,595.71	1,130.01
08 33 23 11-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	4,256.48 1,725.53	1,173.46
08 33 23 11-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,761.18 1,517.04	1,043.08
08 33 23 11-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,975.60 1,623.53	1,086.54
08 33 23 11-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	4,276.97 1,740.90	1,173.46
08 33 23 11-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	4,584.23 1,924.10	1,211.26
08 33 23 11-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	4,711.27 1,924.90	1,286.85
08 33 23 11-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	5,127.84 2,142.84	1,362.43
08 33 23 11-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	5,560.47 2,372.84	1,438.01
08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23 11-0035 EA 4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	2,924.02 1,117.34	860.54
08 33 23 11-0036 EA 4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,140.00 1,219.52	908.35
08 33 23 11-0037 EA 4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,295.02 1,288.55	946.15
08 33 23 11-0038 EA 6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,345.48 1,254.11	1,003.97
08 33 23 11-0039 EA 6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,670.45 1,378.32	1,099.59
08 33 23 11-0040 EA 6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	3,868.94 1,479.94	1,137.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0041	EA			6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,322.78 1,773.08	1,175.17
08 33 23 11-0042	EA			6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,814.41 2,070.95	1,231.86
08 33 23 11-0043	EA			8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	3,630.49 1,378.29	1,075.68
08 33 23 11-0044	EA			8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	3,921.85 1,507.16	1,147.39
08 33 23 11-0045	EA			8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,152.11 1,620.04	1,195.20
08 33 23 11-0046	EA			8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,589.02 1,900.48	1,232.99
08 33 23 11-0047	EA			8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,063.72 2,185.65	1,289.69
08 33 23 11-0048	EA			10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,273.77 1,651.57	1,243.00
08 33 23 11-0049	EA			10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,568.76 1,813.01	1,290.82
08 33 23 11-0050	EA			10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,098.10 2,115.53	1,366.40
08 33 23 11-0051	EA			10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,703.01 2,427.50	1,479.79
08 33 23 11-0052	EA			10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,337.98 2,714.76	1,630.95
08 33 23 11-0053	EA			10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,048.55 3,011.48	1,819.91
08 33 23 11-0054	EA			10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,834.70 3,317.65	2,046.67
08 33 23 11-0055	EA			10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,695.02 3,632.20	2,311.22
08 33 23 11-0056	EA			12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,582.13 1,823.04	1,290.82
08 33 23 11-0057	EA			12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,872.01 1,988.48	1,332.39
08 33 23 11-0058	EA			12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,523.96 2,382.96	1,407.98
08 33 23 11-0059	EA			12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,251.49 2,786.89	1,521.36
08 33 23 11-0060	EA			12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,985.10 3,148.14	1,672.52
08 33 23 11-0061	EA			12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,794.31 3,518.84	1,861.49
08 33 23 11-0062	EA			12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,679.11 3,898.99	2,088.24
08 33 23 11-0063	EA			12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,715.06 4,298.03	2,390.59
08 33 23 11-0064	20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
	Note: With curtain hood (barrel cover)					
08 33 23 11-0065	EA			14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,562.50 2,293.11	1,503.03
08 33 23 11-0066	EA			14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,060.78 2,572.34	1,578.61
08 33 23 11-0067	EA			14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,651.40 2,920.81	1,654.21
08 33 23 11-0068	EA			14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,259.88 3,235.45	1,767.58
08 33 23 11-0069	EA			14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,975.47 3,583.18	1,918.75
08 33 23 11-0070	EA			14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,690.49 3,930.48	2,069.93
08 33 23 11-0071	EA			14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	10,104.73 4,754.95	2,258.89
08 33 23 11-0072	EA			14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,594.54 5,588.87	2,485.65
08 33 23 11-0073	EA			16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,654.12 2,829.98	1,728.48
08 33 23 11-0074	EA			16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,214.49 3,155.77	1,804.08
08 33 23 11-0075	EA			16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,718.68 3,439.44	1,879.66
08 33 23 11-0076	EA			16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,314.71 3,744.74	1,993.04
08 33 23 11-0077	EA			16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,033.15 4,094.60	2,144.20
08 33 23 11-0078	EA			16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,840.01 4,510.79	2,295.38
08 33 23 11-0079	EA			16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,038.36 5,173.35	2,484.34
08 33 23 11-0080	EA			16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	12,320.83 5,851.75	2,711.10
08 33 23 11-0081	EA			18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,236.91 2,996.95	1,944.56

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,743.37 3,282.32	2,020.14
08 33 23	11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,547.31 3,743.54	2,133.52
08 33 23	11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,318.07 4,132.65	2,284.69
08 33 23	11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,168.80 4,534.49	2,473.65
08 33 23	11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,095.67 4,946.20	2,700.41
08 33 23	11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,603.59 5,746.46	2,964.96
08 33 23	11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,212.97 6,575.57	3,267.30
08 33 23	11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,280.06 3,414.71	2,236.24
08 33 23	11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,203.78 4,013.02	2,311.83
08 33 23	11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,483.36 4,444.83	2,734.18
08 33 23	11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,487.92 5,056.53	2,847.56
08 33 23	11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,704.58 5,780.06	2,998.73
08 33 23	11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,050.83 6,600.78	3,149.90
08 33 23	11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,478.75 7,435.52	3,338.87
08 33 23	11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	17,003.70 8,295.78	3,565.62
08 33 23	11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,177.35 3,573.98	2,647.26
08 33 23	11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,229.41 4,221.30	2,760.64
08 33 23	11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,696.44 5,012.81	3,007.59
08 33 23	11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,983.79 5,836.59	3,120.97
08 33 23	11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,350.79 6,672.88	3,272.14
08 33 23	11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,846.90 7,606.00	3,423.31
08 33 23	11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	17,422.85 8,551.76	3,612.27
08 33 23	11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	19,065.78 9,500.51	3,839.03
08 33 23	11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,111.82 3,943.86	2,911.97
08 33 23	11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,827.17 4,385.89	2,987.56
08 33 23	11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,323.64 5,413.76	3,063.15
08 33 23	11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	13,751.87 6,343.21	3,176.52
08 33 23	11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,202.81 7,242.45	3,327.69
08 33 23	11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	16,781.89 8,237.80	3,478.87
08 33 23	11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	18,712.83 9,426.18	3,686.73
08 33 23	11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	20,686.99 10,646.97	3,894.59
08 33 23	11-0113		18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23	11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	6,096.24 2,599.49	1,578.23
08 33 23	11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	6,654.14 2,918.72	1,657.59
08 33 23	11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,318.23 3,317.57	1,736.95
08 33 23	11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,995.31 3,676.58	1,855.93
08 33 23	11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,788.01 4,072.69	2,014.65
08 33 23	11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,580.04 4,468.30	2,173.38
08 33 23	11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,168.61 5,411.71	2,371.88
08 33 23	11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,836.56 6,365.06	2,609.96
08 33 23	11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,306.47 3,211.25	1,814.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,935.77 3,584.02	1,894.32
08 33 23	11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,500.51 3,908.36	1,973.69
08 33 23	11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,163.26 4,256.62	2,092.66
08 33 23	11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,959.21 4,655.17	2,251.39
08 33 23	11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	10,856.89 5,130.02	2,410.11
08 33 23	11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	12,197.18 5,887.23	2,608.61
08 33 23	11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	13,626.66 6,661.71	2,846.70
08 33 23	11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,933.48 3,397.87	2,041.72
08 33 23	11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,500.78 3,724.15	2,121.08
08 33 23	11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,402.63 4,251.72	2,240.20
08 33 23	11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	10,258.80 4,695.44	2,398.93
08 33 23	11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,199.33 5,152.82	2,597.27
08 33 23	11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	12,219.88 5,620.61	2,835.37
08 33 23	11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	13,901.08 6,534.29	3,113.21
08 33 23	11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	15,691.39 7,480.21	3,430.68
08 33 23	11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,074.78 3,871.00	2,347.99
08 33 23	11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	10,121.93 4,557.17	2,427.35
08 33 23	11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,314.04 4,896.92	2,870.89
08 33 23	11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	12,416.38 5,574.87	2,990.01
08 33 23	11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	13,749.74 6,376.48	3,148.73
08 33 23	11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	15,227.10 7,286.09	3,307.47
08 33 23	11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	16,790.59 8,210.69	3,505.80
08 33 23	11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	18,457.26 9,163.07	3,743.90
08 33 23	11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,873.47 3,930.63	2,779.58
08 33 23	11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,028.57 4,648.15	2,898.70
08 33 23	11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	12,628.52 5,523.85	3,157.96
08 33 23	11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	14,045.04 6,437.43	3,277.09
08 33 23	11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	15,545.46 7,364.33	3,435.81
08 33 23	11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	17,189.32 8,398.82	3,594.54
08 33 23	11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	18,917.29 9,446.77	3,792.88
08 33 23	11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	20,715.06 10,497.48	4,030.98
08 33 23	11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	10,879.41 4,337.58	3,057.58
08 33 23	11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,664.99 4,827.56	3,136.94
08 33 23	11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	13,318.49 5,968.48	3,216.32
08 33 23	11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	14,891.56 6,999.47	3,335.28
08 33 23	11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	16,485.26 7,996.33	3,494.01
08 33 23	11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	18,221.30 9,099.96	3,652.74
08 33 23	11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	20,341.46 10,417.21	3,871.03
08 33 23	11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	22,509.50 11,770.47	4,089.33

08 33 23 11-0162

Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 11-0163		0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0162)			
08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,990.49		860.54
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,210.63		908.35
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,750.59		946.15
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,653.38		1,003.97
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,998.57		1,099.59
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,228.18		1,137.38
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,503.96		1,175.17
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,820.88		1,231.86
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,986.73		1,075.68
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,338.59		1,147.39
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,645.95		1,195.20
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,921.95		1,232.99
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,236.84		1,289.69
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,757.83		1,243.00
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,060.37		1,290.82
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,466.68		1,366.40
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,949.99		1,479.79
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,691.05		1,630.95
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,507.50		1,819.91
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,395.54		2,046.67
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,360.29		2,311.22
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,055.18		1,290.82
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,637.98		1,332.39
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,178.56		1,407.98
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,797.07		1,521.36
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,630.06		1,672.52
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,540.66		1,861.49
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,233.71		2,088.24
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	10,080.62		2,390.59
08 33 23 11-0193		0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0162)			
08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,786.27		1,503.03
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,493.48		1,578.61
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,187.57		1,654.21
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,904.54		1,767.58
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,739.91		1,918.75
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,575.26		2,069.93
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,497.72		2,258.89
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,495.89		2,485.65
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,738.99		1,728.48
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,477.46		1,804.08
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,186.30		1,879.66
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,992.15		1,993.04
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,932.82		2,144.20
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,922.79		2,295.38
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,948.87		2,484.34
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,999.57		2,711.10
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,534.75		1,944.56
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,324.22		2,020.14
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,263.95		2,133.52
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,266.45		2,284.69
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,355.07		2,473.65
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,512.70		2,700.41
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,744.27		2,964.96
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,057.98		3,267.30
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,611.65		2,236.24
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,415.92		2,311.83
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,733.38		2,425.20
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,680.64		2,576.38
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,858.07		2,765.34
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,140.73		2,992.10
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,446.29		3,256.64
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,862.03		3,558.98
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,168.93		2,647.26
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,231.39		2,760.64
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,679.60		3,007.59
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,839.12		3,120.97
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,072.61		3,272.14
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,317.59		3,423.31
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,575.64		3,612.27
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,917.50		3,839.03
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,206.80		2,911.97
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,859.72		2,987.56
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,396.11		3,063.15
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,690.52		3,176.52
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,993.09		3,327.69
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,295.68		3,478.87
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,844.91		3,667.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0241 EA 24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	20,519.11	3,894.59
08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)		
08 33 23 11-0243 LF Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	5.41	1.59
08 33 23 11-0244 LF Top Of Door (Lintel), Weather Strip Seal For Coiling Doors.....	34.25	1.90
08 33 23 11-0245 LF Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	32.67	1.90
08 33 23 11-0246 EA Cylinder Lock For Coiling Doors.....	279.32	79.40
08 33 23 11-0247 EA Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,862.19	254.07
08 33 23 11-0248 EA Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	2,345.19	254.07
08 33 23 11-0249 EA >12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	2,203.51	285.83
08 33 23 11-0250 EA >12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	2,600.07	285.83
08 33 23 11-0251 EA >18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,834.64	317.58
08 33 23 11-0252 EA >18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,075.21	317.58
08 33 23 11-0253 LF Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles.....	106.07	
08 33 23 11-0254 EA Remote Transmitter Kit For Coiling Door Operators.....	378.02	127.04
08 33 23 11-0255 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)		
Note: Includes storage, cleaning and supply materials.		
08 33 23 11-0256 SF Removal And Reinstallation Of Metal Roll-up Door And Supports.....	27.18	
08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)		
Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.		
08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)		
Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)		
08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0004 EA 5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,252.66	464.95
08 33 23 13-0005 EA 5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,537.46	486.55
08 33 23 13-0006 EA 5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,820.38	508.14
08 33 23 13-0007 EA 5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,101.44	529.74
08 33 23 13-0008 EA 5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,386.23	551.33
08 33 23 13-0009 EA 5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,669.17	572.93
08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0011 EA 6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,537.46	486.55
08 33 23 13-0012 EA 6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,820.38	508.14
08 33 23 13-0013 EA 6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,101.44	529.74
08 33 23 13-0014 EA 6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,386.23	551.33
08 33 23 13-0015 EA 6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,669.17	572.93
08 33 23 13-0016 EA 6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,952.10	594.52
08 33 23 13-0017 7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0018 EA 7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,820.38	508.14
08 33 23 13-0019 EA 7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,101.44	529.74
08 33 23 13-0020 EA 7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,386.23	551.33
08 33 23 13-0021 EA 7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,669.17	572.93
08 33 23 13-0022 EA 7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,952.10	594.52
08 33 23 13-0023 EA 7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	7,236.90	616.12
08 33 23 13-0024 8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0025 EA 8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,101.44	529.74
08 33 23 13-0026 EA 8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,386.23	551.33
08 33 23 13-0027 EA 8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,669.17	572.93
08 33 23 13-0028 EA 8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,952.10	594.52
08 33 23 13-0029 EA 8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	7,236.90	616.12

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0030 EA 8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,517.95	637.72
08 33 23 13-0031 9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0032 EA 9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,386.23	551.33
08 33 23 13-0033 EA 9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,669.17	572.93
08 33 23 13-0034 EA 9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,952.10	594.52
08 33 23 13-0035 EA 9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,236.90	616.12
08 33 23 13-0036 EA 9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,517.95	637.72
08 33 23 13-0037 EA 9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,802.75	659.32
08 33 23 13-0038 10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0039 EA 10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,669.17	572.93
08 33 23 13-0040 EA 10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,952.10	594.52
08 33 23 13-0041 EA 10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,236.90	616.12
08 33 23 13-0042 EA 10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,517.95	637.72
08 33 23 13-0043 EA 10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,802.75	659.32
08 33 23 13-0044 EA 10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,085.68	680.92
08 33 23 13-0045 Rytec® Bantam® Door Options (08 33 23 13-0001)		
08 33 23 13-0046 SF Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	11.71	
08 33 23 13-0047 SF Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	25.75	
08 33 23 13-0048 LF 31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors	37.46	
Note: Multiply linear foot price x width of door.		
08 33 23 13-0049 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	355.86	
08 33 23 13-0050 EA Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	688.92	63.51
08 33 23 13-0051 EA Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	688.92	63.51
08 33 23 13-0052 EA Motor Operator For Rytec® Bantam® High-Speed Rolling Doors	2,923.01	127.04
Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053 EA Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator	370.52	63.51
Note: Includes open/close/stop control.		
08 33 23 13-0054 EA Auto Close Feature For Rytec® Bantam® Motor Operator	361.16	63.51
08 33 23 13-0055 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)		
Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0057 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0058 EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,076.12	508.14
08 33 23 13-0059 EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,337.82	529.74
08 33 23 13-0060 EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,639.40	551.33
08 33 23 13-0061 EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,058.93	572.93
08 33 23 13-0062 EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,487.11	594.52
08 33 23 13-0063 EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,206.64	616.12
08 33 23 13-0064 EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,718.06	637.72
08 33 23 13-0065 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0066 EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,395.05	529.74
08 33 23 13-0067 EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,727.85	551.33
08 33 23 13-0068 EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,145.64	572.93
08 33 23 13-0069 EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,587.69	594.52
08 33 23 13-0070 EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,170.22	616.12
08 33 23 13-0071 EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,872.41	637.72
08 33 23 13-0072 EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,427.19	659.32
08 33 23 13-0073 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0074 EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,783.34	551.33
08 33 23 13-0075 EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,199.40	572.93
08 33 23 13-0076 EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,658.80	594.52
08 33 23 13-0077 EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,258.66	616.12
08 33 23 13-0078 EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,799.57	637.72
08 33 23 13-0079 EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,564.19	659.32
08 33 23 13-0080 EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,191.81	680.92



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0081				9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0082	EA			9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,256.63	572.93
08 33 23 13-0083	EA			9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,712.56	594.52
08 33 23 13-0084	EA			9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,312.43	616.12
08 33 23 13-0085	EA			9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,870.67	637.72
08 33 23 13-0086	EA			9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,456.67	659.32
08 33 23 13-0087	EA			9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,065.21	680.92
08 33 23 13-0088	EA			9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,732.72	702.51
08 33 23 13-0089				10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0090	EA			10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,757.64	594.52
08 33 23 13-0091	EA			10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,369.65	616.12
08 33 23 13-0092	EA			10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,922.70	637.72
08 33 23 13-0093	EA			10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,513.90	659.32
08 33 23 13-0094	EA			10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,169.26	680.92
08 33 23 13-0095	EA			10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,302.64	702.51
08 33 23 13-0096	EA			10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,415.83	724.11
08 33 23 13-0097				11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0098	EA			11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,402.60	616.12
08 33 23 13-0099	EA			11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,969.52	637.72
08 33 23 13-0100	EA			11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,567.66	659.32
08 33 23 13-0101	EA			11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,224.76	680.92
08 33 23 13-0102	EA			11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,656.42	702.51
08 33 23 13-0103	EA			11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,509.48	724.11
08 33 23 13-0104	EA			11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,208.20	745.70
08 33 23 13-0105				12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0106	EA			12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,985.13	637.72
08 33 23 13-0107	EA			12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,598.87	659.32
08 33 23 13-0108	EA			12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,268.11	680.92
08 33 23 13-0109	EA			12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,715.38	702.51
08 33 23 13-0110	EA			12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,303.11	724.11
08 33 23 13-0111	EA			12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,287.97	745.70
08 33 23 13-0112	EA			12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,972.82	767.30
08 33 23 13-0113				Rytec® PredaDoor® Door Options (08 33 23 13-0055)		
08 33 23 13-0114	EA			Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	817.69	127.04
08 33 23 13-0115	EA			>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,190.54	127.04
08 33 23 13-0116	SF			Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	14.05	
08 33 23 13-0117				3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
<p>Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.</p>						
08 33 23 13-0118				3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
08 33 23 13-0119				8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0120	EA			8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,411.62	1,143.32
				For NEMA 4X Control Box, Add	675.00	
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
				For AC Variable Speed Motor And Controls, Add	2,750.00	
				For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
				For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0121	EA			8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,518.66	1,175.72
				For NEMA 4X Control Box, Add	675.00	
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
				For AC Variable Speed Motor And Controls, Add	2,750.00	
				For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
				For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,483.51	1,208.11
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,521.18	1,240.51
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0124	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,697.60	1,272.90
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,315.59	1,305.29
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,280.44	1,337.69
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,140.59	1,372.47
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,509.90	1,408.16
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,616.98	1,444.77
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,988.19	1,482.32
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0131		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,518.66	1,175.72
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23	13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,483.51	1,208.11
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23	13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,521.18	1,240.51
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23	13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,697.60	1,272.90
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,315.59 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,305.29
	08 33 23	13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,280.44 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,337.69
	08 33 23	13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,524.48 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,370.08
	08 33 23	13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,509.90 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,408.16
	08 33 23	13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,616.98 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,444.77
	08 33 23	13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,988.19 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,482.32
	08 33 23	13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,621.69 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,520.87
	08 33 23	13-0143		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
	08 33 23	13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,483.51 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,208.11
	08 33 23	13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,521.18 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,240.51
	08 33 23	13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,697.60 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,272.90
	08 33 23	13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,315.59 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,305.29
	08 33 23	13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,280.44 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,337.69
	08 33 23	13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,524.48 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,370.08

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,699.16 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,402.48
08 33 23	13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,615.58 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,444.06
08 33 23	13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,986.74 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,481.61
08 33 23	13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,620.21 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,520.12
08 33 23	13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	37,997.19 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,559.65
08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>					
08 33 23	13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,521.18 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,240.51
08 33 23	13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,697.60 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,272.90
08 33 23	13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,315.59 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,305.29
08 33 23	13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,280.44 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,337.69
08 33 23	13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,524.48 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,370.08
08 33 23	13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,699.16 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,402.48
08 33 23	13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,012.58 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,434.87
08 33 23	13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,983.27 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,479.87



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0164	EA		11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,616.65 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,518.35
08 33 23	13-0165	EA		11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	37,993.54 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,557.82
08 33 23	13-0166	EA		11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,629.10 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,598.33
08 33 23	13-0167			12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23	13-0168	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,697.60 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,272.90
08 33 23	13-0169	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,315.59 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,305.29
08 33 23	13-0170	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,280.44 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,337.69
08 33 23	13-0171	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,524.48 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,370.08
08 33 23	13-0172	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,699.16 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,402.48
08 33 23	13-0173	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,012.58 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,434.87
08 33 23	13-0174	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,956.61 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,467.26
08 33 23	13-0175	EA		12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,611.32 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,515.69
08 33 23	13-0176	EA		12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	37,988.07 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,555.10
08 33 23	13-0177	EA		12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,623.49 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,595.52

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0178 EA 12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,260.99	1,637.01
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0180 EA 13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,030.08	1,305.29
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0181 EA 13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,263.73	1,337.69
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0182 EA 13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,433.20	1,370.08
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0183 EA 13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,791.71	1,402.48
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0184 EA 13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,145.01	1,434.87
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0185 EA 13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,149.74	1,467.26
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0186 EA 13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,913.41	1,499.66
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0187 EA 13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,087.86	1,551.60
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0188 EA 13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,724.97	1,591.95
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0189 EA 13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,369.78	1,633.34
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0190 EA 13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,818.22	1,675.81
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
For 316 Stainless Steel Side Frame Tower, Add	6,975.00	

08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0192	EA		14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,263.73 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,337.69
08 33 23	13-0193	EA		14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,433.20 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,370.08
08 33 23	13-0194	EA		14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,791.71 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,402.48
08 33 23	13-0195	EA		14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,145.01 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,434.87
08 33 23	13-0196	EA		14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,149.74 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,467.26
08 33 23	13-0197	EA		14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,913.41 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,499.66
08 33 23	13-0198	EA		14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,048.20 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,532.06
08 33 23	13-0199	EA		14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,715.96 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,587.45
08 33 23	13-0200	EA		14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	41,360.54 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,628.72
08 33 23	13-0201	EA		14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	42,808.74 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,671.07
08 33 23	13-0202	EA		14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	45,961.63 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,714.51
08 33 23	13-0203			15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0204	EA		15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	32,368.98 675.00 1,100.00 2,750.00	1,337.69
08 33 23	13-0205	EA		15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	33,727.97 675.00 1,100.00 2,750.00	1,370.08
08 33 23	13-0206	EA		15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	35,081.33 675.00 1,100.00 2,750.00	1,402.48
08 33 23	13-0207	EA		15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	36,086.34 675.00 1,100.00 2,750.00	1,434.87

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	36,849.73 675.00 1,100.00 2,750.00	1,467.26
08 33 23	13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,983.97 675.00 1,100.00 2,750.00	1,499.66
08 33 23	13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,675.65 675.00 1,100.00 2,750.00	1,567.29
08 33 23	13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,351.02 675.00 1,100.00 2,750.00	1,623.96
08 33 23	13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,798.97 675.00 1,100.00 2,750.00	1,666.18
08 33 23	13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,951.60 675.00 1,100.00 2,750.00	1,709.50
08 33 23	13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,170.03 675.00 1,100.00 2,750.00	1,753.95
08 33 23	13-0215		16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23	13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,787.66 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,399.93
08 33 23	13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,144.04 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,433.83
08 33 23	13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,152.06 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,467.74
08 33 23	13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,918.46 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,501.63
08 33 23	13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	38,055.71 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,535.54
08 33 23	13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	39,679.95 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,569.43
08 33 23	13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	41,309.78 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,603.34
08 33 23	13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	42,789.22 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,661.31
08 33 23	13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	45,941.61 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,704.50



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	48,159.78 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,748.82
	08 33 23	13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	50,391.49 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,794.30
08 33 23	13-0227			17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
	08 33 23	13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	35,017.02 675.00 1,100.00 2,750.00	1,432.13
	08 33 23	13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	36,150.22 675.00 1,100.00 2,750.00	1,466.81
	08 33 23	13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	37,521.27 675.00 1,100.00 2,750.00	1,501.49
	08 33 23	13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	39,027.18 675.00 1,100.00 2,750.00	1,536.17
	08 33 23	13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	40,409.47 675.00 1,100.00 2,750.00	1,570.85
	08 33 23	13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	42,464.14 675.00 1,100.00 2,750.00	1,605.53
	08 33 23	13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	44,443.91 675.00 1,100.00 2,750.00	1,640.21
	08 33 23	13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	45,931.64 675.00 1,100.00 2,750.00	1,699.52
	08 33 23	13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	48,149.55 675.00 1,100.00 2,750.00	1,743.71
	08 33 23	13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	50,381.00 675.00 1,100.00 2,750.00	1,789.04
	08 33 23	13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	52,545.50 675.00 1,100.00 2,750.00	1,835.57
08 33 23	13-0239			18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
	08 33 23	13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,510.08 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,465.07
	08 33 23	13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,006.34 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,500.55
	08 33 23	13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,635.59 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,536.02

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows list various door specifications including 18' x 11', 12', 13', 14', 15', 16', 17', 18', and 19' wide doors with associated costs.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0260	EA		19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	52,462.25 675.00 1,100.00 2,750.00	1,824.84
08 33 23	13-0261	EA		19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,632.37 675.00 1,100.00 2,750.00	1,872.29
08 33 23	13-0262	EA		19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	56,804.95 675.00 1,100.00 2,750.00	1,920.96
08 33 23	13-0263			20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0264	EA		20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,630.01 675.00 1,100.00 2,750.00	1,533.23
08 33 23	13-0265	EA		20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,256.94 675.00 1,100.00 2,750.00	1,570.37
08 33 23	13-0266	EA		20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,953.16 675.00 1,100.00 2,750.00	1,607.49
08 33 23	13-0267	EA		20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,361.11 675.00 1,100.00 2,750.00	1,644.62
08 33 23	13-0268	EA		20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	47,836.48 675.00 1,100.00 2,750.00	1,681.75
08 33 23	13-0269	EA		20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,008.28 675.00 1,100.00 2,750.00	1,718.88
08 33 23	13-0270	EA		20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	50,314.94 675.00 1,100.00 2,750.00	1,756.01
08 33 23	13-0271	EA		20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	52,451.59 675.00 1,100.00 2,750.00	1,819.51
08 33 23	13-0272	EA		20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,621.42 675.00 1,100.00 2,750.00	1,866.82
08 33 23	13-0273	EA		20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	56,793.71 675.00 1,100.00 2,750.00	1,915.35
08 33 23	13-0274	EA		20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	58,706.31 675.00 1,100.00 2,750.00	1,965.15
08 33 23	13-0275			21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0276	EA		21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,546.82 675.00 1,100.00 2,750.00	1,644.47
08 33 23	13-0277	EA		21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	51,956.46 675.00 1,100.00 2,750.00	1,682.45
08 33 23	13-0278	EA		21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,431.67 675.00 1,100.00 2,750.00	1,720.44
08 33 23	13-0279	EA		21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	55,608.93 675.00 1,100.00 2,750.00	1,758.42
08 33 23	13-0280	EA		21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	56,915.41 675.00 1,100.00 2,750.00	1,796.40

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	59,054.99 675.00 1,100.00 2,750.00	1,861.35
08 33 23	13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	61,226.99 675.00 1,100.00 2,750.00	1,909.76
08 33 23	13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	63,401.52 675.00 1,100.00 2,750.00	1,959.41
08 33 23	13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	65,316.42 675.00 1,100.00 2,750.00	2,010.35
08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23	13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	51,435.46 675.00 1,100.00 2,750.00	1,682.29
08 33 23	13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	53,848.73 675.00 1,100.00 2,750.00	1,721.14
08 33 23	13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	56,323.82 675.00 1,100.00 2,750.00	1,760.01
08 33 23	13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	57,500.94 675.00 1,100.00 2,750.00	1,798.86
08 33 23	13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	58,812.93 675.00 1,100.00 2,750.00	1,837.72
08 33 23	13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	60,955.49 675.00 1,100.00 2,750.00	1,904.16
08 33 23	13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	63,129.72 675.00 1,100.00 2,750.00	1,953.67
08 33 23	13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	65,304.66 675.00 1,100.00 2,750.00	2,004.47
08 33 23	13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	67,223.77 675.00 1,100.00 2,750.00	2,056.59
08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23	13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	53,327.73 675.00 1,100.00 2,750.00	1,720.98
08 33 23	13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	55,740.91 675.00 1,100.00 2,750.00	1,760.73
08 33 23	13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	58,219.66 675.00 1,100.00 2,750.00	1,800.48
08 33 23	13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	59,398.57 675.00 1,100.00 2,750.00	1,840.23
08 33 23	13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	60,710.47 675.00 1,100.00 2,750.00	1,879.99
08 33 23	13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	62,857.95 675.00 1,100.00 2,750.00	1,947.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0302 EA 23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	65,032.60 675.00 1,100.00 2,750.00	1,998.61
08 33 23 13-0303 EA 23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	67,211.75 675.00 1,100.00 2,750.00	2,050.57
08 33 23 13-0304 EA 23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	69,133.25 675.00 1,100.00 2,750.00	2,103.89
08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23 13-0306 EA 24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	55,219.90 675.00 1,100.00 2,750.00	1,760.56
08 33 23 13-0307 EA 24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	57,634.92 675.00 1,100.00 2,750.00	1,801.23
08 33 23 13-0308 EA 24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	60,117.35 675.00 1,100.00 2,750.00	1,841.89
08 33 23 13-0309 EA 24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	61,298.10 675.00 1,100.00 2,750.00	1,882.56
08 33 23 13-0310 EA 24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	62,609.95 675.00 1,100.00 2,750.00	1,923.23
08 33 23 13-0311 EA 24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	64,758.70 675.00 1,100.00 2,750.00	1,992.77
08 33 23 13-0312 EA 24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	66,937.55 675.00 1,100.00 2,750.00	2,044.57
08 33 23 13-0313 EA 24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	69,120.95 675.00 1,100.00 2,750.00	2,097.74
08 33 23 13-0314 EA 24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	71,041.16 675.00 1,100.00 2,750.00	2,152.28
08 33 23 13-0315 Rytec® Fast-Seal® Door Options <small>(08 33 23 13-0117)</small>		
08 33 23 13-0316 LF Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	52.03	
08 33 23 13-0317 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	563.62	
08 33 23 13-0318 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	936.47	
08 33 23 13-0319 EA >15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	1,377.16	
08 33 23 13-0320 EA >20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	2,060.23	
08 33 23 13-0321 EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	329.50	
08 33 23 13-0322 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	650.33	
08 33 23 13-0323 EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	823.75	
08 33 23 13-0324 EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,300.65	
08 33 23 13-0325 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	381.52	
08 33 23 13-0326 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	754.38	
08 33 23 13-0327 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	936.47	
08 33 23 13-0328 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,508.76	

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0329 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	747.12 119.54 522.98	
08 33 23 13-0330 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	971.26 155.40 679.88	
08 33 23 13-0331 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	1,270.11 203.22 889.08	
08 33 23 13-0332 EA Through Wall Brake Release	193.82	
08 33 23 13-0333 EA Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons..... <i>For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct</i>	21,442.49 -6,200.00	
08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13)</small> Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0334)</small>		
08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0337 EA 8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,253.70	1,143.32
08 33 23 13-0338 EA 8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,539.48	1,175.72
08 33 23 13-0339 EA 8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,044.42	1,208.11
08 33 23 13-0340 EA 8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,549.34	1,240.51
08 33 23 13-0341 EA 8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,056.15	1,272.90
08 33 23 13-0342 EA 8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,561.07	1,305.29
08 33 23 13-0343 EA 8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,845.00	1,337.69
08 33 23 13-0344 EA 8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,356.58	1,372.47
08 33 23 13-0345 EA 8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,308.23	1,408.16
08 33 23 13-0346 EA 8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,602.46	1,444.77
08 33 23 13-0347 EA 8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,338.72	1,482.33
08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0349 EA 9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,539.48	1,175.72
08 33 23 13-0350 EA 9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,823.42	1,208.11
08 33 23 13-0351 EA 9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,330.21	1,240.51
08 33 23 13-0352 EA 9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,056.15	1,272.90
08 33 23 13-0353 EA 9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,340.06	1,305.29
08 33 23 13-0354 EA 9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,845.00	1,337.69
08 33 23 13-0355 EA 9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,351.81	1,370.08
08 33 23 13-0356 EA 9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,868.09	1,408.16
08 33 23 13-0357 EA 9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,042.60	1,444.77
08 33 23 13-0358 EA 9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,220.88	1,482.33
08 33 23 13-0359 EA 9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,399.26	1,520.88
08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0361 EA 10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,145.71	1,208.11
08 33 23 13-0362 EA 10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,431.50	1,240.51
08 33 23 13-0363 EA 10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,936.43	1,272.90
08 33 23 13-0364 EA 10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,662.36	1,305.29
08 33 23 13-0365 EA 10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,167.30	1,337.69
08 33 23 13-0366 EA 10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,674.10	1,370.08
08 33 23 13-0367 EA 10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,179.02	1,402.48
08 33 23 13-0368 EA 10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,923.35	1,444.05
08 33 23 13-0369 EA 10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,878.71	1,481.61
08 33 23 13-0370 EA 10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,278.05	1,520.12
08 33 23 13-0371 EA 10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,460.27	1,559.64
08 33 23 13-0372 11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0373 EA 11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,210.49	1,240.51
08 33 23 13-0374 EA 11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,715.42	1,272.90
08 33 23 13-0375 EA 11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,222.22	1,305.29
08 33 23 13-0376 EA 11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,948.16	1,337.69
08 33 23 13-0377 EA 11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,453.10	1,370.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0378 EA 11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,958.02	1,402.48
08 33 23 13-0379 EA 11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,125.97	1,434.87
08 33 23 13-0380 EA 11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,536.40	1,479.87
08 33 23 13-0381 EA 11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,935.66	1,518.34
08 33 23 13-0382 EA 11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,336.89	1,557.83
08 33 23 13-0383 EA 11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,519.19	1,598.33
08 33 23 13-0384 12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0385 EA 12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,496.29	1,272.90
08 33 23 13-0386 EA 12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,001.21	1,305.29
08 33 23 13-0387 EA 12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,536.15	1,337.69
08 33 23 13-0388 EA 12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,232.09	1,370.08
08 33 23 13-0389 EA 12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,958.02	1,402.48
08 33 23 13-0390 EA 12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,345.10	1,434.87
08 33 23 13-0391 EA 12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,732.19	1,467.26
08 33 23 13-0392 EA 12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,151.31	1,515.69
08 33 23 13-0393 EA 12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,771.56	1,555.10
08 33 23 13-0394 EA 12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,174.73	1,595.52
08 33 23 13-0395 EA 12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,579.99	1,637.01
08 33 23 13-0396 13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0397 EA 13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,001.21	1,305.29
08 33 23 13-0398 EA 13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,287.02	1,337.69
08 33 23 13-0399 EA 13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,791.95	1,370.08
08 33 23 13-0400 EA 13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,738.88	1,402.48
08 33 23 13-0401 EA 13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,345.10	1,434.87
08 33 23 13-0402 EA 13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,953.20	1,467.26
08 33 23 13-0403 EA 13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,340.28	1,499.66
08 33 23 13-0404 EA 13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,985.61	1,551.60
08 33 23 13-0405 EA 13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,609.59	1,591.95
08 33 23 13-0406 EA 13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,233.80	1,633.34
08 33 23 13-0407 EA 13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,641.04	1,675.81
08 33 23 13-0408 14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0409 EA 14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,287.02	1,337.69
08 33 23 13-0410 EA 14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,570.94	1,370.08
08 33 23 13-0411 EA 14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,296.87	1,402.48
08 33 23 13-0412 EA 14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,683.95	1,434.87
08 33 23 13-0413 EA 14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,732.19	1,467.26
08 33 23 13-0414 EA 14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,340.28	1,499.66
08 33 23 13-0415 EA 14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,167.50	1,532.06
08 33 23 13-0416 EA 14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,819.72	1,587.45
08 33 23 13-0417 EA 14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,445.57	1,628.72
08 33 23 13-0418 EA 14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,071.70	1,671.07
08 33 23 13-0419 EA 14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,922.89	1,714.51
08 33 23 13-0420 15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0421 EA 15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,670.84	1,368.45
08 33 23 13-0422 EA 15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,177.26	1,401.60
08 33 23 13-0423 EA 15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,904.68	1,434.73
08 33 23 13-0424 EA 15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,851.24	1,467.88
08 33 23 13-0425 EA 15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,121.98	1,501.02
08 33 23 13-0426 EA 15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,950.69	1,534.15
08 33 23 13-0427 EA 15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,779.42	1,567.29
08 33 23 13-0428 EA 15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,436.06	1,623.96
08 33 23 13-0429 EA 15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,282.94	1,666.18
08 33 23 13-0430 EA 15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,132.00	1,709.51
08 33 23 13-0431 EA 15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,983.34	1,753.95
08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0433 EA 16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,952.93	1,399.94
08 33 23 13-0434 EA 16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,681.87	1,433.83
08 33 23 13-0435 EA 16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,410.83	1,467.74
08 33 23 13-0436 EA 16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,241.06	1,501.63
08 33 23 13-0437 EA 16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,732.44	1,535.54
08 33 23 13-0438 EA 16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,564.56	1,569.44
08 33 23 13-0439 EA 16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,394.81	1,603.33
08 33 23 13-0440 EA 16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,273.19	1,661.31
08 33 23 13-0441 EA 16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,122.00	1,704.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0442 EA 16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,973.08	1,748.83
08 33 23 13-0443 EA 16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,047.47	1,794.30
08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0445 EA 17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,459.33	1,432.13
08 33 23 13-0446 EA 17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,968.83	1,466.81
08 33 23 13-0447 EA 17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,800.63	1,501.49
08 33 23 13-0448 EA 17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,632.44	1,536.17
08 33 23 13-0449 EA 17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,125.38	1,570.85
08 33 23 13-0450 EA 17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,178.18	1,605.53
08 33 23 13-0451 EA 17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,009.99	1,640.21
08 33 23 13-0452 EA 17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,112.05	1,699.52
08 33 23 13-0453 EA 17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,962.86	1,743.71
08 33 23 13-0454 EA 17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,036.98	1,789.04
08 33 23 13-0455 EA 17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,113.45	1,835.57
08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0457 EA 18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,965.35	1,465.07
08 33 23 13-0458 EA 18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,476.46	1,500.55
08 33 23 13-0459 EA 18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,970.99	1,536.03
08 33 23 13-0460 EA 18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,025.40	1,571.50
08 33 23 13-0461 EA 18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,519.95	1,606.98
08 33 23 13-0462 EA 18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,574.34	1,642.46
08 33 23 13-0463 EA 18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,849.75	1,677.94
08 33 23 13-0464 EA 18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,952.67	1,738.61
08 33 23 13-0465 EA 18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,026.51	1,783.81
08 33 23 13-0466 EA 18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,102.72	1,830.19
08 33 23 13-0467 EA 18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,181.33	1,877.78
08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0469 EA 19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,913.03	1,498.75
08 33 23 13-0470 EA 19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,646.77	1,535.06
08 33 23 13-0471 EA 19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,363.94	1,571.35
08 33 23 13-0472 EA 19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,419.98	1,607.65
08 33 23 13-0473 EA 19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,137.16	1,643.94
08 33 23 13-0474 EA 19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,193.20	1,680.24
08 33 23 13-0475 EA 19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,468.37	1,716.53
08 33 23 13-0476 EA 19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,575.93	1,778.60
08 33 23 13-0477 EA 19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,871.01	1,824.84
08 33 23 13-0478 EA 19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,949.35	1,872.29
08 33 23 13-0479 EA 19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,251.16	1,920.97
08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0481 EA 20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,304.27	1,533.23
08 33 23 13-0482 EA 20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,039.69	1,570.37
08 33 23 13-0483 EA 20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,537.52	1,607.50
08 33 23 13-0484 EA 20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,816.23	1,644.62
08 33 23 13-0485 EA 20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,535.08	1,681.75
08 33 23 13-0486 EA 20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,811.92	1,718.89
08 33 23 13-0487 EA 20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,090.62	1,756.01
08 33 23 13-0488 EA 20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,420.20	1,819.51
08 33 23 13-0489 EA 20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,719.25	1,866.82
08 33 23 13-0490 EA 20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,018.91	1,915.35
08 33 23 13-0491 EA 20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,321.09	1,965.15
08 33 23 13-0492 21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0493 EA 21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,595.80	1,568.50
08 33 23 13-0494 EA 21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,655.21	1,606.49
08 33 23 13-0495 EA 21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,714.63	1,644.47
08 33 23 13-0496 EA 21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,214.19	1,682.45
08 33 23 13-0497 EA 21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,934.74	1,720.44
08 33 23 13-0498 EA 21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,434.30	1,758.42
08 33 23 13-0499 EA 21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,712.84	1,796.40
08 33 23 13-0500 EA 21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,266.33	1,861.35
08 33 23 13-0501 EA 21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,567.57	1,909.76
08 33 23 13-0502 EA 21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,869.45	1,959.40
08 33 23 13-0503 EA 21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,394.93	2,010.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0504				22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0505	EA			22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,108.10	1,604.58
08 33 23 13-0506	EA			22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,948.24	1,643.44
08 33 23 13-0507	EA			22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,112.57	1,682.29
08 33 23 13-0508	EA			22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,613.86	1,721.14
08 33 23 13-0509	EA			22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,555.32	1,760.01
08 33 23 13-0510	EA			22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	54,056.61	1,798.86
08 33 23 13-0511	EA			22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	56,338.78	1,837.71
08 33 23 13-0512	EA			22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,895.25	1,904.16
08 33 23 13-0513	EA			22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	61,417.85	1,953.67
08 33 23 13-0514	EA			22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	63,943.03	2,004.47
08 33 23 13-0515	EA			22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	66,470.85	2,056.59
08 33 23 13-0516				23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0517	EA			23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,725.21	1,641.48
08 33 23 13-0518	EA			23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,346.14	1,681.23
08 33 23 13-0519	EA			23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,291.24	1,720.98
08 33 23 13-0520	EA			23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,015.33	1,760.73
08 33 23 13-0521	EA			23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,958.58	1,800.48
08 33 23 13-0522	EA			23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,461.65	1,840.22
08 33 23 13-0523	EA			23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,185.74	1,880.00
08 33 23 13-0524	EA			23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,745.28	1,947.97
08 33 23 13-0525	EA			23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	63,270.16	1,998.60
08 33 23 13-0526	EA			23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	66,018.68	2,050.58
08 33 23 13-0527	EA			23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	68,548.89	2,103.89
08 33 23 13-0528				24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0529	EA			24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,123.03	1,679.24
08 33 23 13-0530	EA			24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,305.64	1,719.90
08 33 23 13-0531	EA			24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,692.70	1,760.56
08 33 23 13-0532	EA			24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,197.62	1,801.23
08 33 23 13-0533	EA			24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	54,363.68	1,841.89
08 33 23 13-0534	EA			24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,089.59	1,882.56
08 33 23 13-0535	EA			24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	59,813.65	1,923.22
08 33 23 13-0536	EA			24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	62,597.33	1,992.76
08 33 23 13-0537	EA			24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	65,124.54	2,044.58
08 33 23 13-0538	EA			24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	67,875.44	2,097.73
08 33 23 13-0539	EA			24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	70,629.12	2,152.28
08 33 23 13-0540				Rytec® Powerhouse™ Door Options <small>(08 33 23 13-0334)</small>		
08 33 23 13-0541	EA			Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,865.60	
08 33 23 13-0542	EA			9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,921.79	
08 33 23 13-0543	EA			10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,977.98	
08 33 23 13-0544	EA			11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,034.16	
08 33 23 13-0545	EA			12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,090.35	
08 33 23 13-0546	EA			13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,146.54	
08 33 23 13-0547	EA			14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,202.73	
08 33 23 13-0548	EA			15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,258.92	
08 33 23 13-0549	EA			16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,315.10	
08 33 23 13-0550	EA			17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,371.29	
08 33 23 13-0551	EA			18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,427.48	
08 33 23 13-0552	EA			19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,483.67	
08 33 23 13-0553	EA			20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,539.86	
08 33 23 13-0554	EA			21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,596.05	
08 33 23 13-0555	EA			22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,652.23	
08 33 23 13-0556	EA			23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,708.42	
08 33 23 13-0557	EA			24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,764.61	
08 33 23 13-0558	EA			11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	655.53	
08 33 23 13-0559	EA			208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,610.73	
				Note: Includes System 4 Controller In NEMA 4 Enclosure		
08 33 23 13-0560				Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 23 13)</small>		
				Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0561				Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 23 13-0560)</small>		
08 33 23 13-0562				8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23 13-0563	EA			8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,741.44	1,524.43

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0564 EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,744.43	1,556.83
08 33 23 13-0565 EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,747.43	1,589.22
08 33 23 13-0566 EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,752.16	1,621.61
08 33 23 13-0567 EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,755.14	1,654.01
08 33 23 13-0568 EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,758.13	1,686.40
08 33 23 13-0569 EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,635.80	1,718.80
08 33 23 13-0570 EA 8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,638.09	1,753.17
08 33 23 13-0571 EA 8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,633.19	1,788.23
08 33 23 13-0572 EA 8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,633.70	1,824.00
08 33 23 13-0573 EA 8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,635.63	1,860.48
08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0575 EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,744.43	1,556.83
08 33 23 13-0576 EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,747.43	1,589.22
08 33 23 13-0577 EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,752.16	1,621.61
08 33 23 13-0578 EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,755.14	1,654.01
08 33 23 13-0579 EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,758.13	1,686.40
08 33 23 13-0580 EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,761.13	1,718.80
08 33 23 13-0581 EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,638.80	1,751.19
08 33 23 13-0582 EA 9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,623.04	1,786.22
08 33 23 13-0583 EA 9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,640.82	1,821.93
08 33 23 13-0584 EA 9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,642.67	1,858.38
08 33 23 13-0585 EA 9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,645.99	1,895.54
08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0587 EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,747.43	1,589.22
08 33 23 13-0588 EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,752.16	1,621.61
08 33 23 13-0589 EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,755.14	1,654.01
08 33 23 13-0590 EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,758.13	1,686.40
08 33 23 13-0591 EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,761.13	1,718.80
08 33 23 13-0592 EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,764.12	1,751.19
08 33 23 13-0593 EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,641.79	1,783.58
08 33 23 13-0594 EA 10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,642.94	1,819.26
08 33 23 13-0595 EA 10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,644.69	1,855.64
08 33 23 13-0596 EA 10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,647.89	1,892.76
08 33 23 13-0597 EA 10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,652.58	1,930.60
08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0599 EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,752.16	1,621.61
08 33 23 13-0600 EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,755.14	1,654.01
08 33 23 13-0601 EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,758.13	1,686.40
08 33 23 13-0602 EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,761.13	1,718.80
08 33 23 13-0603 EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,764.12	1,751.19
08 33 23 13-0604 EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,767.12	1,783.58
08 33 23 13-0605 EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,643.04	1,815.98
08 33 23 13-0606 EA 11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,647.37	1,852.30
08 33 23 13-0607 EA 11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,650.43	1,889.34
08 33 23 13-0608 EA 11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,654.98	1,927.13
08 33 23 13-0609 EA 11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,661.05	1,965.67
08 33 23 13-0610 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0611 EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,755.14	1,654.01
08 33 23 13-0612 EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,758.13	1,686.40
08 33 23 13-0613 EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,761.13	1,718.80
08 33 23 13-0614 EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,764.12	1,751.19
08 33 23 13-0615 EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,767.12	1,783.58
08 33 23 13-0616 EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,770.10	1,815.98
08 33 23 13-0617 EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,647.78	1,848.37
08 33 23 13-0618 EA 12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,651.80	1,885.34
08 33 23 13-0619 EA 12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,656.19	1,923.05
08 33 23 13-0620 EA 12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,662.10	1,961.51
08 33 23 13-0621 EA 12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,671.40	2,000.74
08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0623 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,758.13	1,686.40
08 33 23 13-0624 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,761.13	1,718.80
08 33 23 13-0625 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,764.12	1,751.19
08 33 23 13-0626 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,767.12	1,783.58
08 33 23 13-0627 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,770.10	1,815.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,773.11	1,848.37
08 33 23	13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,650.76	1,880.77
08 33 23	13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,656.23	1,918.38
08 33 23	13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,661.93	1,956.75
08 33 23	13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,669.20	1,995.89
08 33 23	13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,678.00	2,035.80
08 33 23	13-0634		14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0634)</small>		
08 33 23	13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,635.80	1,718.80
08 33 23	13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,638.80	1,751.19
08 33 23	13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,641.79	1,783.58
08 33 23	13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,643.04	1,815.98
08 33 23	13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,647.78	1,848.37
08 33 23	13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,650.76	1,880.77
08 33 23	13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,645.09	1,913.16
08 33 23	13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,651.29	1,951.43
08 33 23	13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,658.32	1,990.44
08 33 23	13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,666.92	2,030.27
08 33 23	13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,677.11	2,070.86
08 33 23	13-0646		15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0646)</small>		
08 33 23	13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,634.09	1,753.17
08 33 23	13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,640.38	1,786.22
08 33 23	13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,642.94	1,819.26
08 33 23	13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,647.37	1,852.30
08 33 23	13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,651.80	1,885.34
08 33 23	13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,656.23	1,918.38
08 33 23	13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,651.29	1,951.43
08 33 23	13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,658.32	1,990.44
08 33 23	13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,666.92	2,030.27
08 33 23	13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,677.11	2,070.86
08 33 23	13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,688.92	2,112.29
08 33 23	13-0658		16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0658)</small>		
08 33 23	13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,633.19	1,788.23
08 33 23	13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,640.82	1,821.93
08 33 23	13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,644.69	1,855.64
08 33 23	13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,650.43	1,889.34
08 33 23	13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,656.19	1,923.05
08 33 23	13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,661.93	1,956.75
08 33 23	13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,658.32	1,990.44
08 33 23	13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,666.92	2,030.27
08 33 23	13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,677.11	2,070.86
08 33 23	13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,688.92	2,112.29
08 33 23	13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,704.27	2,154.53
08 33 23	13-0670		17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0670)</small>		
08 33 23	13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,633.70	1,824.00
08 33 23	13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,642.67	1,858.38
08 33 23	13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,647.89	1,892.76
08 33 23	13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,654.98	1,927.13
08 33 23	13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,662.10	1,961.51
08 33 23	13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,669.20	1,995.89
08 33 23	13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,666.92	2,030.27
08 33 23	13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,677.11	2,070.86
08 33 23	13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,688.92	2,112.29
08 33 23	13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,704.27	2,154.53
08 33 23	13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,719.42	2,197.62
08 33 23	13-0682		18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0682)</small>		
08 33 23	13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,843.53	1,860.48
08 33 23	13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,852.01	1,895.54
08 33 23	13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,860.47	1,930.60
08 33 23	13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,867.07	1,965.67
08 33 23	13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,877.42	2,000.74
08 33 23	13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,884.02	2,035.80
08 33 23	13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,885.00	2,070.86
08 33 23	13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,896.82	2,112.29
08 33 23	13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,910.29	2,154.53

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0692 EA 18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,925.45	2,197.62
08 33 23 13-0693 EA 18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,942.33	2,241.58
08 33 23 13-0694 19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0695 EA 19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,155.96	1,897.68
08 33 23 13-0696 EA 19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,167.72	1,933.46
08 33 23 13-0697 EA 19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,175.72	1,969.23
08 33 23 13-0698 EA 19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,185.60	2,004.98
08 33 23 13-0699 EA 19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,195.47	2,040.76
08 33 23 13-0700 EA 19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,205.34	2,076.52
08 33 23 13-0701 EA 19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,205.86	2,112.29
08 33 23 13-0702 EA 19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,219.32	2,154.53
08 33 23 13-0703 EA 19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,234.48	2,197.62
08 33 23 13-0704 EA 19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,251.36	2,241.58
08 33 23 13-0705 EA 19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,271.88	2,286.41
08 33 23 13-0706 20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0707 EA 20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,780.29	1,936.02
08 33 23 13-0708 EA 20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,794.20	1,971.60
08 33 23 13-0709 EA 20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,803.08	2,008.43
08 33 23 13-0710 EA 20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,815.09	2,045.28
08 33 23 13-0711 EA 20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,825.85	2,082.12
08 33 23 13-0712 EA 20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,836.60	2,117.69
08 33 23 13-0713 EA 20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,839.27	2,154.53
08 33 23 13-0714 EA 20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,854.63	2,197.72
08 33 23 13-0715 EA 20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,871.25	2,242.18
08 33 23 13-0716 EA 20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,890.43	2,286.65
08 33 23 13-0717 EA 20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,910.87	2,332.38
08 33 23 13-0718 Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0560)		
08 33 23 13-0719 8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0720 EA 8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,864.52	1,016.29
08 33 23 13-0721 EA 8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,630.87	1,037.88
08 33 23 13-0722 EA 8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,397.23	1,059.48
08 33 23 13-0723 EA 8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,160.13	1,081.07
08 33 23 13-0724 EA 8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,926.48	1,102.67
08 33 23 13-0725 EA 8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,692.84	1,124.26
08 33 23 13-0726 EA 8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,687.35	1,145.87
08 33 23 13-0727 9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0728 EA 9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,630.87	1,037.88
08 33 23 13-0729 EA 9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,397.23	1,059.48
08 33 23 13-0730 EA 9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,160.13	1,081.07
08 33 23 13-0731 EA 9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,926.48	1,102.67
08 33 23 13-0732 EA 9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,692.84	1,124.26
08 33 23 13-0733 EA 9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,459.19	1,145.87
08 33 23 13-0734 EA 9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	47,453.71	1,167.46
08 33 23 13-0735 10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0736 EA 10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,397.23	1,059.48
08 33 23 13-0737 EA 10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,160.13	1,081.07
08 33 23 13-0738 EA 10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,926.48	1,102.67
08 33 23 13-0739 EA 10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,692.84	1,124.26
08 33 23 13-0740 EA 10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,459.19	1,145.87
08 33 23 13-0741 EA 10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,225.54	1,167.46
08 33 23 13-0742 EA 10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,220.06	1,189.06
08 33 23 13-0743 11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0744 EA 11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,160.13	1,081.07
08 33 23 13-0745 EA 11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,926.48	1,102.67
08 33 23 13-0746 EA 11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,692.84	1,124.26
08 33 23 13-0747 EA 11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,459.19	1,145.87
08 33 23 13-0748 EA 11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,225.54	1,167.46
08 33 23 13-0749 EA 11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,991.90	1,189.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0750 EA 11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	48,982.95	1,210.65
08 33 23 13-0751 12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0752 EA 12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,926.48	1,102.67
08 33 23 13-0753 EA 12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,692.84	1,124.26
08 33 23 13-0754 EA 12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,459.19	1,145.87
08 33 23 13-0755 EA 12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,225.54	1,167.46
08 33 23 13-0756 EA 12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,991.90	1,189.06
08 33 23 13-0757 EA 12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	41,758.26	1,210.65
08 33 23 13-0758 EA 12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	49,749.31	1,232.25
08 33 23 13-0759 13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0760 EA 13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,692.84	1,124.26
08 33 23 13-0761 EA 13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,459.19	1,145.87
08 33 23 13-0762 EA 13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,225.54	1,167.46
08 33 23 13-0763 EA 13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,991.90	1,189.06
08 33 23 13-0764 EA 13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	41,758.26	1,210.65
08 33 23 13-0765 EA 13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	42,524.61	1,232.25
08 33 23 13-0766 EA 13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	50,515.66	1,253.84
08 33 23 13-0767 14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0768 EA 14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	46,687.35	1,145.87
08 33 23 13-0769 EA 14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	47,453.71	1,167.46
08 33 23 13-0770 EA 14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	48,220.06	1,189.06
08 33 23 13-0771 EA 14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	48,982.95	1,210.65
08 33 23 13-0772 EA 14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	49,749.31	1,232.25
08 33 23 13-0773 EA 14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	50,515.66	1,253.84
08 33 23 13-0774 EA 14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	51,282.01	1,275.44
08 33 23 13-0775 Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)		
08 33 23 13-0776 8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0777 EA 8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,386.34	1,016.29
08 33 23 13-0778 EA 8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,152.70	1,037.88
08 33 23 13-0779 EA 8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,919.05	1,059.48
08 33 23 13-0780 EA 8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,683.69	1,081.07
08 33 23 13-0781 EA 8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,450.04	1,102.67
08 33 23 13-0782 EA 8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,214.66	1,118.55
08 33 23 13-0783 EA 8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	41,446.75	1,124.26
08 33 23 13-0784 9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0785 EA 9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,152.70	1,037.88
08 33 23 13-0786 EA 9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,919.05	1,059.48
08 33 23 13-0787 EA 9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,683.69	1,081.07
08 33 23 13-0788 EA 9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,450.04	1,102.67
08 33 23 13-0789 EA 9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,214.66	1,124.26
08 33 23 13-0790 EA 9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,964.49	1,137.61
08 33 23 13-0791 EA 9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,615.27	1,145.87
08 33 23 13-0792 10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0793 EA 10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,919.05	1,059.48
08 33 23 13-0794 EA 10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,683.69	1,081.07
08 33 23 13-0795 EA 10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,450.04	1,102.67
08 33 23 13-0796 EA 10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,214.66	1,124.26
08 33 23 13-0797 EA 10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,981.01	1,145.87
08 33 23 13-0798 EA 10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,735.93	1,161.74
08 33 23 13-0799 EA 10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,596.66	1,167.46
08 33 23 13-0800 11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0801 EA 11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,683.69	1,081.07
08 33 23 13-0802 EA 11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,450.04	1,102.67
08 33 23 13-0803 EA 11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,214.66	1,124.26
08 33 23 13-0804 EA 11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,981.01	1,145.87



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23	13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,747.37	1,167.46
08 33 23	13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,502.29	1,183.34
08 33 23	13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,578.06	1,189.06
08 33 23	13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23	13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,450.04	1,102.67
08 33 23	13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,214.66	1,124.26
08 33 23	13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,981.01	1,145.87
08 33 23	13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,747.37	1,167.46
08 33 23	13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,513.72	1,189.06
08 33 23	13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,266.10	1,203.67
08 33 23	13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,559.46	1,210.65
08 33 23	13-0816		13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23	13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,214.66	1,124.26
08 33 23	13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,981.01	1,145.87
08 33 23	13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,747.37	1,167.46
08 33 23	13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,513.72	1,189.06
08 33 23	13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,280.08	1,210.65
08 33 23	13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,033.72	1,225.90
08 33 23	13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,540.86	1,232.25
08 33 23	13-0824		14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23	13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,489.94	1,145.87
08 33 23	13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,471.34	1,167.46
08 33 23	13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,452.73	1,189.06
08 33 23	13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,432.40	1,210.65
08 33 23	13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,415.53	1,232.25
08 33 23	13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,385.48	1,248.13
08 33 23	13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,396.92	1,253.84
08 33 23	13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)		
08 33 23	13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23	13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	43,398.33	1,016.29
08 33 23	13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,372.37	1,037.88
08 33 23	13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,344.54	1,059.48
08 33 23	13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,831.79	1,081.07
08 33 23	13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,320.89	1,102.67
08 33 23	13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,809.99	1,124.26
08 33 23	13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,299.09	1,145.87
08 33 23	13-0841		9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23	13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,372.37	1,037.88
08 33 23	13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,344.54	1,059.48
08 33 23	13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,316.73	1,081.07
08 33 23	13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,805.83	1,102.67
08 33 23	13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,293.06	1,124.26
08 33 23	13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,782.15	1,145.87
08 33 23	13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,280.62	1,167.46
08 33 23	13-0849		10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23	13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,344.54	1,059.48
08 33 23	13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,316.73	1,081.07
08 33 23	13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,288.90	1,102.67
08 33 23	13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,778.00	1,124.26
08 33 23	13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,265.22	1,145.87
08 33 23	13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,754.32	1,167.46
08 33 23	13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,262.15	1,189.06
08 33 23	13-0857		11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23	13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,316.73	1,081.07
08 33 23	13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,288.90	1,102.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0860 EA 11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,261.06	1,124.26
08 33 23 13-0861 EA 11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,750.16	1,145.87
08 33 23 13-0862 EA 11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,239.26	1,167.46
08 33 23 13-0863 EA 11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,726.49	1,189.06
08 33 23 13-0864 EA 11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,241.82	1,210.65
08 33 23 13-0865 12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0866 EA 12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,288.90	1,102.67
08 33 23 13-0867 EA 12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,261.06	1,124.26
08 33 23 13-0868 EA 12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,233.23	1,145.87
08 33 23 13-0869 EA 12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,722.33	1,167.46
08 33 23 13-0870 EA 12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,211.43	1,189.06
08 33 23 13-0871 EA 12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,698.67	1,210.65
08 33 23 13-0872 EA 12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,225.23	1,232.25
08 33 23 13-0873 13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0874 EA 13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,261.06	1,124.26
08 33 23 13-0875 EA 13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,233.23	1,145.87
08 33 23 13-0876 EA 13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,205.40	1,167.46
08 33 23 13-0877 EA 13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,694.50	1,189.06
08 33 23 13-0878 EA 13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,183.61	1,210.65
08 33 23 13-0879 EA 13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,672.71	1,232.25
08 33 23 13-0880 EA 13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,206.76	1,253.84
08 33 23 13-0881 14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0882 EA 14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,233.23	1,145.87
08 33 23 13-0883 EA 14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,205.40	1,167.46
08 33 23 13-0884 EA 14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,177.57	1,189.06
08 33 23 13-0885 EA 14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,666.68	1,210.65
08 33 23 13-0886 EA 14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,155.78	1,232.25
08 33 23 13-0887 EA 14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,644.88	1,253.84
08 33 23 13-0888 EA 14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,178.93	1,275.44
08 33 23 13-0889 Rytec® Spiral® Door Options (08 33 23 13-0560)		
08 33 23 13-0890 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	563.62	
08 33 23 13-0891 EA Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	381.52	
08 33 23 13-0892 EA >13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	563.62	
08 33 23 13-0893 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	381.52	
08 33 23 13-0894 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	563.62	
08 33 23 13-0895 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,063.51	63.51
08 33 23 13-0896 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,063.48	127.04
08 33 23 13-0897 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	5,500.04	127.04
08 33 23 13-0898 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,254.42	127.04
08 33 23 13-0899 EA Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	655.53	
08 33 23 13-0900 Activation And Control Box Options For High Speed Doors (08 33 23 13)		
08 33 23 13-0901 EA Pull Cord For High-Speed Rolling Doors	265.78	63.51
08 33 23 13-0902 EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	202.25	31.76
08 33 23 13-0903 EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	254.27	31.76
08 33 23 13-0904 EA On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	176.23	31.76
08 33 23 13-0905 EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors	271.61	31.76
08 33 23 13-0906 EA Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	445.03	31.76
08 33 23 13-0907 EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	488.39	31.76
08 33 23 13-0908 EA Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	754.18	57.17
08 33 23 13-0909 EA Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	1,008.25	
08 33 23 13-0910 EA Reflective Type Photo Eye For High-Speed Rolling Doors	649.61	57.17
08 33 23 13-0911 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors	849.56	57.17
08 33 23 13-0912 EA Motion Detector For High-Speed Rolling Doors	735.22	38.11
08 33 23 13-0913 EA Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	508.56	63.51
08 33 23 13-0914 EA Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	690.66	63.51
08 33 23 13-0915 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	786.04	63.51

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0916 EA Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	976.80	63.51
08 33 26 Overhead Coiling Grilles (08 33) Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.		
08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)		
08 33 26 00-0002 EA 4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,559.63 282.50 216.43 292.97	236.89
08 33 26 00-0003 EA 6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,895.67 332.91 324.65 396.77	236.89
08 33 26 00-0004 EA 8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,486.89 396.00 432.85 500.56	296.12
08 33 26 00-0005 EA 12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,971.52 468.69 436.11 708.16	296.12
08 33 26 00-0006 EA 16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,478.02 618.32 865.71 998.67	473.79
08 33 26 00-0007 EA 20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,808.43 767.96 1,082.13 1,289.17	592.24
08 33 26 00-0008 EA 24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,576.52 982.14 1,298.56 1,450.15	710.68
08 33 26 00-0009 EA 30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,456.40 1,197.39 1,504.03 1,581.58	868.62
08 33 26 00-0010 EA 4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,803.19 319.03 270.53 348.05	236.89
08 33 26 00-0011 EA 6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,248.56 385.84 405.79 494.25	236.89
08 33 26 00-0012 EA 8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,877.98 455.04 541.07 640.45	296.12
08 33 26 00-0013 EA 12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,484.91 546.08 811.60 932.85	296.12
08 33 26 00-0014 EA 16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,152.58 719.51 1,082.13 1,286.28	473.79
08 33 26 00-0015 EA 20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,641.60 892.93 1,352.66 1,639.69	592.24
08 33 26 00-0016 EA 24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,583.17 1,133.14 1,623.40 1,898.89	710.68
08 33 26 00-0017 EA 30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	12,010.77 1,430.54 1,900.77 2,127.18	868.62
08 33 26 00-0018 EA 4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,082.12 360.87 324.65 402.33	236.89
08 33 26 00-0019 EA 6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,162.85 372.98 486.96 590.10	236.89
08 33 26 00-0020 EA 8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,853.54 451.00 649.27 777.87	296.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0021 EA 12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,067.20 633.05 973.88 1,153.40	296.12
08 33 26 00-0022 EA 16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,106.14 862.54 1,298.55 1,603.57	473.79
08 33 26 00-0023 EA 20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,968.97 1,092.04 1,623.19 2,053.73	592.24
08 33 26 00-0024 EA 24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,873.14 1,326.64 1,947.84 2,171.53	710.68
08 33 26 00-0025 EA 30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,546.50 1,660.90 2,257.26 2,365.91	868.62
08 33 26 00-0026 EA 4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,580.99 435.70 378.60 744.16	236.89
08 33 26 00-0027 EA 6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,125.66 517.40 568.02 913.74	236.89
08 33 26 00-0028 EA 8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,844.40 600.00 757.43 1,063.97	296.12
08 33 26 00-0029 EA 12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,988.57 771.63 1,136.24 1,349.20	296.12
08 33 26 00-0030 EA 16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,057.53 1,005.25 1,514.99 1,804.98	473.79
08 33 26 00-0031 EA 20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,947.88 1,238.87 1,893.72 2,260.76	592.24
08 33 26 00-0032 EA 24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,889.50 1,479.09 2,272.47 2,563.95	710.68
08 33 26 00-0033 EA 30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,202.27 1,909.27 2,682.68 2,929.44	868.62
08 33 26 00-0034 Coiling Grilles Accessories <small>(08 33 26)</small>		
08 33 26 00-0035 LF For Overhead Framed Rolling Grille Supports.....		117.52
08 33 36 Side Coiling Grilles <small>(08 33)</small>		
08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) <small>(08 33 36)</small>		
08 33 36 00-0002 EA 12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,400.75 376.20 649.28 708.16	662.41
08 33 36 00-0003 EA 18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,113.61 552.36 995.93 1,134.24	850.90
08 33 36 00-0004 EA 24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,902.02 725.49 1,298.56 1,450.15	1,072.91
08 33 36 00-0005 EA 30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,431.32 906.86 1,504.03 1,581.58	1,184.47
08 33 36 00-0006 EA 12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,290.56 469.92 811.60 932.85	755.24
08 33 36 00-0007 EA 18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,378.80 690.87 1,195.28 1,416.52	970.03

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0008	EA		24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,430.48 890.38 1,623.40 1,898.89	1,222.72
08 33 36 00-0009	EA		30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,428.87 1,133.25 1,900.77 2,127.18	1,350.30
08 33 36 00-0010	EA		12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,191.66 564.07 973.88 1,153.40	850.90
08 33 36 00-0011	EA		18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,651.66 827.72 1,437.96 1,758.64	1,092.88
08 33 36 00-0012	EA		24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,171.83 1,088.24 1,947.84 2,171.53	1,377.93
08 33 36 00-0013	EA		30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,414.07 1,360.30 2,257.26 2,365.91	1,520.08
08 33 36 00-0014	EA		12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,082.80 659.54 1,136.24 1,349.20	940.81
08 33 36 00-0015	EA		18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,923.19 966.22 1,643.41 1,953.98	1,208.16
08 33 36 00-0016	EA		24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,802.80 1,269.61 2,272.47 2,563.95	1,523.23
08 33 36 00-0017	EA		30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,378.97 1,586.19 2,682.68 2,929.44	1,681.95

08 33 43 Overhead Coiling Smoke Curtains (08 33)

08 33 43 00-0001			Elevator Smoke Guard (08 33 43)		
08 33 43 00-0002	EA		Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	15,099.93	662.41
08 33 43 00-0003	EA		Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	15,659.03	662.41
08 33 43 00-0004	EA		Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	16,218.13	662.41

08 34 Special Function Doors (08 30)**08 34 13 Cold Storage Doors (08 34)**

08 34 13 00-0001			Vertical Sliding Cold Storage Doors (08 34 13) Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0002	EA		7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane <i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	8,095.54 602.12	1,206.59
08 34 13 00-0003	EA		7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane <i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	10,379.73 765.89	1,531.78
08 34 13 00-0004			Horizontal Sliding Cold Storage Doors (08 34 13) Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0005	EA		6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,500.84	963.64
08 34 13 00-0006	EA		7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,328.05	1,086.65
08 34 13 00-0007	EA		7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	9,482.10	1,432.06
08 34 13 00-0008	EA		5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,682.30	875.56
08 34 13 00-0009			Swinging Horizontal Hinged Cold Storage Doors (08 34 13) Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0010	EA		3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane.....	3,292.21	569.51

08 34 16 Hangar Doors (08 34)

08 34 16 00-0001	SF		70' To 120' Wide X To 20' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	72.61	18.53
08 34 16 00-0002	SF		120' To 180' Wide X To 20' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	65.21	18.53
08 34 16 00-0003	SF		120' To 180' Wide X 20-40' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	66.88	3.97
08 34 16 00-0004	SF		120' To 180' Wide X 40-60' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	70.32	2.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 16 00-0005 SF 120' To 180' Wide X 60-80' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	74.62	2.64
08 34 16 00-0006 SF 120' To 180' Wide x >80' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	117.19	2.64
08 34 23 Sidewalk and Basement Doors (08 34)		
08 34 23 00-0001 Drainage Doors (08 34 23)		
08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		
08 34 23 00-0003 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,313.62	226.25
08 34 23 00-0004 EA 2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,607.28	236.41
08 34 23 00-0005 EA 3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,704.94	241.49
08 34 23 00-0006 EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,876.35	246.57
08 34 23 00-0007 EA 3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,181.99	259.28
08 34 23 00-0008 EA 2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,222.23	253.31
08 34 23 00-0009 EA 3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,468.58	259.28
08 34 23 00-0010 EA 2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,575.74	265.25
08 34 23 00-0011 EA 3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,822.12	271.22
08 34 23 00-0012 EA 3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,270.77	286.47
08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
08 34 23 00-0014 EA 4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,631.65	253.31
08 34 23 00-0015 EA 4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,764.80	271.22
08 34 23 00-0016 EA 4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,498.36	301.71
08 34 23 00-0017 EA 5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,596.63	301.71
08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0019 EA 2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,075.14	226.25
08 34 23 00-0020 EA 2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,417.93	236.41
08 34 23 00-0021 EA 3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,630.28	241.49
08 34 23 00-0022 EA 3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,973.63	246.57
08 34 23 00-0023 EA 3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,434.86	259.28
08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0025 EA 4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,434.11	253.31
08 34 23 00-0026 EA 4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,582.62	271.22
08 34 23 00-0027 EA 4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,503.51	301.71
08 34 23 00-0028 EA 5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,126.84	301.71
08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		
08 34 23 00-0030 EA 2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,674.96	226.25
08 34 23 00-0031 EA 2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,759.47	236.41
08 34 23 00-0032 EA 3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,955.05	241.49
08 34 23 00-0033 EA 3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,160.58	246.57
08 34 23 00-0034 EA 3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,506.15	259.28
08 34 23 00-0035 EA 2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,388.42	253.31
08 34 23 00-0036 EA 3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,713.94	259.28
08 34 23 00-0037 EA 2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,703.05	265.25
08 34 23 00-0038 EA 3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,008.79	271.22
08 34 23 00-0039 EA 3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,209.75	286.47
08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
08 34 23 00-0041 EA 4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,922.73	253.31
08 34 23 00-0042 EA 4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,068.16	271.22
08 34 23 00-0043 EA 4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,816.41	301.71
08 34 23 00-0044 EA 5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,925.25	301.71
08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0046 EA 2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,822.72	226.25
08 34 23 00-0047 EA 2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,986.39	236.41
08 34 23 00-0048 EA 3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,092.97	241.49
08 34 23 00-0049 EA 3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,634.90	246.57
08 34 23 00-0050 EA 3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,277.32	259.28
08 34 23 00-0051 Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		

08 Openings
08 30 Specialty Doors and Frames
08 34 Special Function Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0052	EA		4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	4,703.74	253.31
08 34 23 00-0053	EA		4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	5,254.84	271.22
08 34 23 00-0054	EA		4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	7,784.10	301.71
08 34 23 00-0055	EA		5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	7,586.21	301.71
08 34 23 00-0056			Single Leaf Aluminum Drainage Door (08 34 23 00-0001) Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,061.06	226.25
08 34 23 00-0058	EA		2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,674.86	236.41
08 34 23 00-0059	EA		3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,909.64	241.49
08 34 23 00-0060	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	4,148.83	246.57
08 34 23 00-0061	EA		3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	4,718.37	259.28
08 34 23 00-0062			Non-Drainage Doors (08 34 23)		
08 34 23 00-0063			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0064	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,264.60	226.25
08 34 23 00-0065	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,525.39	236.41
08 34 23 00-0066	EA		2'-6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,631.34	241.49
08 34 23 00-0067	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,696.24	246.57
08 34 23 00-0068	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,124.67	259.28
08 34 23 00-0069	EA		2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,919.31	253.31
08 34 23 00-0070	EA		3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,141.05	259.28
08 34 23 00-0071	EA		2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,395.45	265.25
08 34 23 00-0072	EA		3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,535.62	271.22
08 34 23 00-0073	EA		3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,878.08	286.47
08 34 23 00-0074			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - K Series.		
08 34 23 00-0075	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,043.51	226.25
08 34 23 00-0076	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,246.99	236.41
08 34 23 00-0077	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,377.50	241.49
08 34 23 00-0078	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,466.97	246.57
08 34 23 00-0079	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,698.87	259.28
08 34 23 00-0080			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0081	EA		4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,426.99	253.31
08 34 23 00-0082			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - KD Series.		
08 34 23 00-0083	EA		4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,330.91	271.22
08 34 23 00-0084	EA		4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	3,261.02	301.71
08 34 23 00-0085	EA		5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	3,326.53	301.71
08 34 23 00-0086			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - T Series.		
08 34 23 00-0087	EA		2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,141.77	226.25
08 34 23 00-0088	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,328.87	236.41
08 34 23 00-0089	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,418.44	241.49
08 34 23 00-0090	EA		3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,548.85	246.57
08 34 23 00-0091	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,805.32	259.28
08 34 23 00-0092			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093	EA		4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	2,470.12	271.22
08 34 23 00-0094	EA		4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,432.98	301.71
08 34 23 00-0095	EA		5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,482.11	301.71
08 34 23 00-0096			Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0097	EA		2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,160.55	226.25
08 34 23 00-0098	EA		2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,294.43	236.41
08 34 23 00-0099	EA		3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,450.54	241.49
08 34 23 00-0100	EA		3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,537.27	246.57
08 34 23 00-0101	EA		3'-6" x 3'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	2,374.64	259.28
08 34 23 00-0102	EA		2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,745.06	246.57
08 34 23 00-0103			Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0104	EA		4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,299.37	253.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0105 Basement Doors <small>(08 34 23)</small>						
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.						
	08 34 23 00-0106	EA		45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,620.73	285.83
	08 34 23 00-0107	EA		30" High x 47" Wide x 58" Long, Basement Door	1,333.60	216.59
	08 34 23 00-0108	EA		22" High x 51" Wide x 64" Long, Basement Door	1,390.66	238.19
	08 34 23 00-0109	EA		19-1/2" High x 55" Wide x 72" Long, Basement Door	1,485.78	254.07
	08 34 23 00-0110	EA		52" High x 51" Wide x 43-1/4" Long, Basement Door.....	1,646.24	285.83
08 34 49 Radiation Shielding Doors and Frames <small>(08 34)</small>						
08 34 49 13 Neutron Shielding Doors and Frames <small>(08 34 49)</small>						
08 34 49 13-0001 Lead Lined Doors And Frames <small>(08 34 49 13)</small>						
	08 34 49 13-0002	SF		1/16" Thick Laminated Lead In Wood Door	142.78	12.71
	08 34 49 13-0003	SF		1/8" Thick Laminated Lead In Wood Door	176.09	12.71
	08 34 49 13-0004	LF		1/16" Thick Lead Lined Door Frame	156.01	12.71
	08 34 49 13-0005	LF		1/8" Thick Lead Lined Door Frame	167.11	12.71
08 34 53 Security Doors and Frames <small>(08 34)</small>						
08 34 53 00-0001 Metal Security Doors, Bullet Resistant <small>(08 34 53)</small>						
Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.						
	08 34 53 00-0002	SF		Metal Security Door	78.37	9.25
	08 34 53 00-0003	EA		Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,209.45	461.95
	08 34 53 00-0004	EA		Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	3,805.45	490.37
08 34 53 00-0005 Metal Security Doors <small>(08 34 53)</small>						
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.						
	08 34 53 00-0006	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	960.74	84.60
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.						
	08 34 53 00-0007	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	960.74	84.60
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.						
	08 34 53 00-0008	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,356.52	84.60
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.						
08 34 56 Security Gates <small>(08 34)</small>						
08 34 56 00-0001 Pivoting Double Folding Gate <small>(08 34 56)</small>						
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.						
	08 34 56 00-0002	EA		6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,136.77	241.87
	08 34 56 00-0003	EA		8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,276.38	272.10
	08 34 56 00-0004	EA		8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,376.44	302.34
	08 34 56 00-0005	EA		8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,516.04	332.57
	08 34 56 00-0006	EA		10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,281.18	244.89
	08 34 56 00-0007	EA		10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,381.46	275.12
	08 34 56 00-0008	EA		10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,514.96	305.36
	08 34 56 00-0009	EA		10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,621.73	335.59
	08 34 56 00-0010	EA		12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,346.56	247.91
	08 34 56 00-0011	EA		12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,446.52	278.15
	08 34 56 00-0012	EA		12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,526.33	293.27
	08 34 56 00-0013	EA		12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,606.46	308.38
	08 34 56 00-0014	EA		12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,716.42	338.62
	08 34 56 00-0015	EA		14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,471.46	250.93
	08 34 56 00-0016	EA		14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,571.07	281.17
	08 34 56 00-0017	EA		14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,660.70	296.29
	08 34 56 00-0018	EA		14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,771.13	311.40
	08 34 56 00-0019	EA		14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,929.96	341.64
	08 34 56 00-0020	EA		16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,661.82	256.99
	08 34 56 00-0021	EA		16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,787.15	290.24
	08 34 56 00-0022	EA		16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,922.30	308.38
	08 34 56 00-0023	EA		16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,001.10	317.45
08 34 56 00-0024 Pivoting Single Folding Gate <small>(08 34 56)</small>						
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.						
	08 34 56 00-0025	EA		5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	773.99	169.30
	08 34 56 00-0026	EA		5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	825.65	175.36
	08 34 56 00-0027	EA		5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	877.32	181.40
	08 34 56 00-0028	EA		5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	941.11	193.49
	08 34 56 00-0029	EA		5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	985.08	205.58
	08 34 56 00-0030	EA		6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	825.47	175.36
	08 34 56 00-0031	EA		6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	877.40	181.40
	08 34 56 00-0032	EA		6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	929.08	187.45
	08 34 56 00-0033	EA		6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	992.79	199.54
	08 34 56 00-0034	EA		6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,037.04	211.63
	08 34 56 00-0035	EA		7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	896.92	181.40

08	Openings
08 30	Specialty Doors and Frames
08 34	Special Function Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0036	EA		7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	948.87	187.45
08 34 56 00-0037	EA		7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,000.45	193.49
08 34 56 00-0038	EA		7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,064.38	205.58
08 34 56 00-0039	EA		7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,128.42	217.68
08 34 56 00-0040			Window Gates, Expands From 2' To 4' <small>(08 34 56)</small>		
			Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA		33" High Window Gate, Up To 4' Wide Opening	313.67	66.52
08 34 56 00-0042	EA		37" High Window Gate, Up To 4' Wide Opening	325.77	72.56
08 34 56 00-0043	EA		40" High Window Gate, Up To 4' Wide Opening	325.77	72.56
08 34 56 00-0044	EA		43" High Window Gate, Up To 4' Wide Opening	338.64	78.61
08 34 56 00-0045	EA		46" High Window Gate, Up To 4' Wide Opening	338.64	78.61
08 34 56 00-0046	EA		49" High Window Gate, Up To 4' Wide Opening	350.74	84.65
08 34 56 00-0047	EA		51" High Window Gate, Up To 4' Wide Opening	350.74	84.65
08 34 56 00-0048	EA		53" High Window Gate, Up To 4' Wide Opening	362.83	90.70
08 34 56 00-0049	EA		55" High Window Gate, Up To 4' Wide Opening	362.83	90.70
08 34 56 00-0050	EA		57" High Window Gate, Up To 4' Wide Opening	374.92	96.74
08 34 56 00-0051	EA		59" High Window Gate, Up To 4' Wide Opening	374.92	96.74
08 34 56 00-0052			Pivoting Door Gate, Expands From 2' To 4' <small>(08 34 56)</small>		
			Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA		61" High Pivoting Door Gate, Up To 4' Wide Opening	387.02	102.80
08 34 56 00-0054	EA		63" High Pivoting Door Gate, Up To 4' Wide Opening	389.43	102.80
08 34 56 00-0055	EA		66" High Pivoting Door Gate, Up To 4' Wide Opening	404.74	108.84
08 34 56 00-0056	EA		71" High Pivoting Door Gate, Up To 4' Wide Opening	420.02	114.89
08 34 56 00-0057	EA		73" High Pivoting Door Gate, Up To 4' Wide Opening	423.23	114.89
08 34 56 00-0058	EA		76" High Pivoting Door Gate, Up To 4' Wide Opening	438.53	120.93
08 34 56 00-0059	EA		79" High Pivoting Door Gate, Up To 4' Wide Opening	441.74	120.93
08 34 56 00-0060	EA		81" High Pivoting Door Gate, Up To 4' Wide Opening	456.05	126.98
08 34 56 00-0061	EA		83" High Pivoting Door Gate, Up To 4' Wide Opening	460.24	126.98
08 34 73			Sound Control Door Assemblies <small>(08 34)</small>		
08 34 73 13			Metal Sound Control Door Assemblies <small>(08 34 73)</small>		
08 34 73 13-0001			Steel Acoustical Door Assembly <small>(08 34 73 13)</small>		
			Note: Includes seal.		
08 34 73 13-0002			Steel Acoustical Doors <small>(08 34 73 13-0001)</small>		
			Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc.		
08 34 73 13-0003	EA		3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	4,462.58	228.67
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			<i>For Accent Window Vision Lite, Add</i>	1,585.11	
			<i>For Half Window Vision Lite, Add</i>	1,640.68	
			<i>For Full Window Vision Lite, Add</i>	1,696.24	
			<i>For 8' Height, Add</i>	538.16	
			<i>For 45 Minutes Fire Rated, Add</i>	226.59	
			<i>For 60 Minutes Fire Rated, Add</i>	339.89	
			<i>For 90 Minutes Fire Rated, Add</i>	566.49	
			<i>For 120 Minutes Fire Rated, Add</i>	793.08	
			<i>For 45 STC Rating, Deduct</i>	-1,284.04	
			<i>For 48 STC Rating, Deduct</i>	-679.78	
			<i>For 52 STC Rating, Add</i>	528.72	
			<i>For 55 STC Rating, Add</i>	1,435.10	
08 34 73 13-0004	EA		3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	4,719.28	238.19
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			<i>For Accent Window Vision Lite, Add</i>	1,585.11	
			<i>For Half Window Vision Lite, Add</i>	1,640.68	
			<i>For Full Window Vision Lite, Add</i>	1,696.24	
			<i>For 8' Height, Add</i>	570.67	
			<i>For 45 Minutes Fire Rated, Add</i>	240.28	
			<i>For 60 Minutes Fire Rated, Add</i>	360.42	
			<i>For 90 Minutes Fire Rated, Add</i>	600.71	
			<i>For 120 Minutes Fire Rated, Add</i>	840.99	
			<i>For 45 STC Rating, Deduct</i>	-1,361.60	
			<i>For 48 STC Rating, Deduct</i>	-720.85	
			<i>For 52 STC Rating, Add</i>	560.66	
			<i>For 55 STC Rating, Add</i>	1,521.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0005	EA			4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) 5,004.56		257.25
				Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
				For Accent Window Vision Lite, Add	1,585.11	
				For Half Window Vision Lite, Add	1,640.68	
				For Full Window Vision Lite, Add	1,696.24	
				For 8' Height, Add	603.18	
				For 45 Minutes Fire Rated, Add	253.97	
				For 60 Minutes Fire Rated, Add	380.95	
				For 90 Minutes Fire Rated, Add	634.92	
				For 120 Minutes Fire Rated, Add	888.89	
				For 45 STC Rating, Deduct	-1,439.16	
				For 48 STC Rating, Deduct	-761.91	
				For 52 STC Rating, Add	592.59	
				For 55 STC Rating, Add	1,608.47	
08 34 73 13-0006	PR			Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated) 8,856.55		434.46
				Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
				For Pair Accent Window Vision Lites, Add	3,170.22	
				For Pair Half Window Vision Lites, Add	3,281.36	
				For Pair Full Window Vision Lites, Add	3,392.49	
				For 8' Height, Add	1,076.33	
				For 45 Minutes Fire Rated, Add	453.19	
				For 60 Minutes Fire Rated, Add	679.78	
				For 90 Minutes Fire Rated, Add	1,132.97	
				For 120 Minutes Fire Rated, Add	1,586.16	
				For 45 STC Rating, Deduct	-2,568.07	
				For 48 STC Rating, Deduct	-1,359.57	
				For 52 STC Rating, Add	1,057.44	
				For 55 STC Rating, Add	2,870.20	
08 34 73 13-0007	PR			Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)..... 9,324.21		438.28
				Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
				For Pair Accent Window Vision Lites, Add	3,170.22	
				For Pair Half Window Vision Lites, Add	3,281.36	
				For Pair Full Window Vision Lites, Add	3,392.49	
				For 8' Height, Add	1,141.34	
				For 45 Minutes Fire Rated, Add	480.56	
				For 60 Minutes Fire Rated, Add	720.85	
				For 90 Minutes Fire Rated, Add	1,201.41	
				For 120 Minutes Fire Rated, Add	1,681.97	
				For 45 STC Rating, Deduct	-2,723.19	
				For 48 STC Rating, Deduct	-1,441.69	
				For 52 STC Rating, Add	1,121.31	
				For 55 STC Rating, Add	3,043.57	
08 34 73 13-0008	EA			3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated) 5,006.72		143.55
				Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
				For Accent Window Vision Lite, Add	1,585.11	
				For Half Window Vision Lite, Add	1,640.68	
				For Full Window Vision Lite, Add	1,696.24	
				For 8' Height, Add	610.81	
				For 45 Minutes Fire Rated, Add	257.19	
				For 60 Minutes Fire Rated, Add	385.78	
				For 90 Minutes Fire Rated, Add	642.96	
				For 120 Minutes Fire Rated, Add	900.15	
				For 45 STC Rating, Deduct	-1,457.38	
				For 48 STC Rating, Deduct	-771.56	
				For 52 STC Rating, Add	600.10	
				For 55 STC Rating, Add	1,628.84	
08 34 73 13-0009	EA			3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)..... 5,294.84		250.26
				Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
				For Accent Window Vision Lite, Add	1,585.11	
				For Half Window Vision Lite, Add	1,640.68	
				For Full Window Vision Lite, Add	1,696.24	
				For 8' Height, Add	647.71	
				For 45 Minutes Fire Rated, Add	272.72	
				For 60 Minutes Fire Rated, Add	409.08	
				For 90 Minutes Fire Rated, Add	681.80	
				For 120 Minutes Fire Rated, Add	954.52	
				For 45 STC Rating, Deduct	-1,545.41	
				For 48 STC Rating, Deduct	-818.16	
				For 52 STC Rating, Add	636.35	
				For 55 STC Rating, Add	1,727.23	
08 34 73 13-0010	EA			4' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated) 5,614.73		270.59
				Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
				For Accent Window Vision Lite, Add	1,585.11	
				For Half Window Vision Lite, Add	1,640.68	
				For Full Window Vision Lite, Add	1,696.24	
				For 8' Height, Add	684.60	
				For 45 Minutes Fire Rated, Add	288.25	
				For 60 Minutes Fire Rated, Add	432.38	
				For 90 Minutes Fire Rated, Add	720.64	
				For 120 Minutes Fire Rated, Add	1,008.89	
				For 45 STC Rating, Deduct	-1,633.44	
				For 48 STC Rating, Deduct	-864.76	
				For 52 STC Rating, Add	672.59	
				For 55 STC Rating, Add	1,825.61	

08	Openings
08 30	Specialty Doors and Frames
08 34	Special Function Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0011 PR Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	9,431.17	456.05
Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
For Pair Accent Window Vision Lites, Add	3,170.22	
For Pair Half Window Vision Lites, Add	3,281.36	
For Pair Full Window Vision Lites, Add	3,392.49	
For 8' Height, Add	1,148.98	
For 45 Minutes Fire Rated, Add	483.78	
For 60 Minutes Fire Rated, Add	725.67	
For 90 Minutes Fire Rated, Add	1,209.45	
For 120 Minutes Fire Rated, Add	1,693.23	
For 45 STC Rating, Deduct	-2,741.42	
For 48 STC Rating, Deduct	-1,451.34	
For 52 STC Rating, Add	1,128.82	
For 55 STC Rating, Add	3,063.94	
08 34 73 13-0012 PR Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	9,930.91	459.87
Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
For Pair Accent Window Vision Lites, Add	3,170.22	
For Pair Half Window Vision Lites, Add	3,281.36	
For Pair Full Window Vision Lites, Add	3,392.49	
For 8' Height, Add	1,218.38	
For 45 Minutes Fire Rated, Add	513.00	
For 60 Minutes Fire Rated, Add	769.50	
For 90 Minutes Fire Rated, Add	1,282.50	
For 120 Minutes Fire Rated, Add	1,795.51	
For 45 STC Rating, Deduct	-2,907.01	
For 48 STC Rating, Deduct	-1,539.01	
For 52 STC Rating, Add	1,197.00	
For 55 STC Rating, Add	3,249.01	
08 34 73 13-0013 Steel Acoustical Door Frames <small>(08 34 73 13-0001)</small>		
Note: Includes threshold and rating up to STC 55.		
08 34 73 13-0014 EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,171.83	127.04
For 8' Height, Add	306.32	
For 45 Minutes Fire Rated, Add	186.46	
For 60 Minutes Fire Rated, Add	319.64	
For 90 Minutes Fire Rated, Add	452.83	
For 120 Minutes Fire Rated, Add	639.29	
08 34 73 13-0015 EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,247.28	127.04
For 8' Height, Add	315.00	
For 45 Minutes Fire Rated, Add	191.74	
For 60 Minutes Fire Rated, Add	328.70	
For 90 Minutes Fire Rated, Add	465.65	
For 120 Minutes Fire Rated, Add	657.39	
08 34 73 13-0016 EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,322.74	127.04
For 8' Height, Add	323.68	
For 45 Minutes Fire Rated, Add	197.02	
For 60 Minutes Fire Rated, Add	337.75	
For 90 Minutes Fire Rated, Add	478.48	
For 120 Minutes Fire Rated, Add	675.50	
08 34 73 13-0017 EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,398.19	127.04
For 8' Height, Add	332.36	
For 45 Minutes Fire Rated, Add	202.30	
For 60 Minutes Fire Rated, Add	346.81	
For 90 Minutes Fire Rated, Add	491.31	
For 120 Minutes Fire Rated, Add	693.61	
08 34 73 13-0018 EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,615.71	139.74
For 8' Height, Add	351.53	
For 45 Minutes Fire Rated, Add	213.97	
For 60 Minutes Fire Rated, Add	366.81	
For 90 Minutes Fire Rated, Add	519.65	
For 120 Minutes Fire Rated, Add	733.62	
08 34 73 13-0019 EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,699.94	139.74
For 8' Height, Add	361.21	
For 45 Minutes Fire Rated, Add	219.87	
For 60 Minutes Fire Rated, Add	376.92	
For 90 Minutes Fire Rated, Add	533.97	
For 120 Minutes Fire Rated, Add	753.84	
08 34 73 13-0020 EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,775.39	139.74
For 8' Height, Add	369.89	
For 45 Minutes Fire Rated, Add	225.15	
For 60 Minutes Fire Rated, Add	385.97	
For 90 Minutes Fire Rated, Add	546.79	
For 120 Minutes Fire Rated, Add	771.94	
08 34 73 13-0021 EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,868.98	139.74
For 8' Height, Add	380.65	
For 45 Minutes Fire Rated, Add	231.70	
For 60 Minutes Fire Rated, Add	397.20	
For 90 Minutes Fire Rated, Add	562.70	
For 120 Minutes Fire Rated, Add	794.40	
08 34 73 13-0022 EA 4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,053.47	146.10
For 8' Height, Add	398.95	
For 45 Minutes Fire Rated, Add	242.84	
For 60 Minutes Fire Rated, Add	416.29	
For 90 Minutes Fire Rated, Add	589.75	
For 120 Minutes Fire Rated, Add	832.59	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0023	EA			4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,128.93	146.10
				<i>For 8' Height, Add</i>	407.63	
				<i>For 45 Minutes Fire Rated, Add</i>	248.12	
				<i>For 60 Minutes Fire Rated, Add</i>	425.35	
				<i>For 90 Minutes Fire Rated, Add</i>	602.58	
				<i>For 120 Minutes Fire Rated, Add</i>	850.70	
08 34 73 13-0024	EA			4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,204.38	146.10
				<i>For 8' Height, Add</i>	416.30	
				<i>For 45 Minutes Fire Rated, Add</i>	253.40	
				<i>For 60 Minutes Fire Rated, Add</i>	434.40	
				<i>For 90 Minutes Fire Rated, Add</i>	615.40	
				<i>For 120 Minutes Fire Rated, Add</i>	868.80	
08 34 73 13-0025	EA			4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,288.61	146.10
				<i>For 8' Height, Add</i>	425.99	
				<i>For 45 Minutes Fire Rated, Add</i>	259.30	
				<i>For 60 Minutes Fire Rated, Add</i>	444.51	
				<i>For 90 Minutes Fire Rated, Add</i>	629.72	
				<i>For 120 Minutes Fire Rated, Add</i>	889.02	
08 34 73 13-0026	EA			6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,974.12	165.15
				<i>For 8' Height, Add</i>	726.06	
				<i>For 45 Minutes Fire Rated, Add</i>	441.95	
				<i>For 60 Minutes Fire Rated, Add</i>	757.62	
				<i>For 90 Minutes Fire Rated, Add</i>	1,073.30	
				<i>For 120 Minutes Fire Rated, Add</i>	1,515.25	
08 34 73 13-0027	EA			6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	7,046.06	165.15
				<i>For 8' Height, Add</i>	734.33	
				<i>For 45 Minutes Fire Rated, Add</i>	446.98	
				<i>For 60 Minutes Fire Rated, Add</i>	766.26	
				<i>For 90 Minutes Fire Rated, Add</i>	1,085.53	
				<i>For 120 Minutes Fire Rated, Add</i>	1,532.52	
08 34 73 13-0028	EA			6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	7,123.27	165.15
				<i>For 8' Height, Add</i>	743.21	
				<i>For 45 Minutes Fire Rated, Add</i>	452.39	
				<i>For 60 Minutes Fire Rated, Add</i>	775.52	
				<i>For 90 Minutes Fire Rated, Add</i>	1,098.66	
				<i>For 120 Minutes Fire Rated, Add</i>	1,551.05	
08 34 73 13-0029	EA			6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	7,202.23	165.15
				<i>For 8' Height, Add</i>	752.29	
				<i>For 45 Minutes Fire Rated, Add</i>	457.92	
				<i>For 60 Minutes Fire Rated, Add</i>	785.00	
				<i>For 90 Minutes Fire Rated, Add</i>	1,112.08	
				<i>For 120 Minutes Fire Rated, Add</i>	1,570.00	
08 34 73 13-0030	EA			7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	7,473.05	171.50
				<i>For 8' Height, Add</i>	780.51	
				<i>For 45 Minutes Fire Rated, Add</i>	475.09	
				<i>For 60 Minutes Fire Rated, Add</i>	814.45	
				<i>For 90 Minutes Fire Rated, Add</i>	1,153.80	
				<i>For 120 Minutes Fire Rated, Add</i>	1,628.89	
08 34 73 13-0031	EA			7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	7,550.39	171.50
				<i>For 8' Height, Add</i>	789.40	
				<i>For 45 Minutes Fire Rated, Add</i>	480.51	
				<i>For 60 Minutes Fire Rated, Add</i>	823.73	
				<i>For 90 Minutes Fire Rated, Add</i>	1,166.95	
				<i>For 120 Minutes Fire Rated, Add</i>	1,647.45	
08 34 73 13-0032	EA			7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	7,633.39	171.50
				<i>For 8' Height, Add</i>	798.95	
				<i>For 45 Minutes Fire Rated, Add</i>	486.32	
				<i>For 60 Minutes Fire Rated, Add</i>	833.69	
				<i>For 90 Minutes Fire Rated, Add</i>	1,181.06	
				<i>For 120 Minutes Fire Rated, Add</i>	1,667.37	
08 34 73 13-0033	EA			7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	7,718.28	171.50
				<i>For 8' Height, Add</i>	808.71	
				<i>For 45 Minutes Fire Rated, Add</i>	492.26	
				<i>For 60 Minutes Fire Rated, Add</i>	843.87	
				<i>For 90 Minutes Fire Rated, Add</i>	1,195.49	
				<i>For 120 Minutes Fire Rated, Add</i>	1,687.75	
08 34 73 13-0034	EA			3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,467.79	127.04
				<i>For 8' Height, Add</i>	340.36	
				<i>For 45 Minutes Fire Rated, Add</i>	207.18	
				<i>For 60 Minutes Fire Rated, Add</i>	355.16	
				<i>For 90 Minutes Fire Rated, Add</i>	503.14	
				<i>For 120 Minutes Fire Rated, Add</i>	710.32	
08 34 73 13-0035	EA			3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,551.63	127.04
				<i>For 8' Height, Add</i>	350.00	
				<i>For 45 Minutes Fire Rated, Add</i>	213.04	
				<i>For 60 Minutes Fire Rated, Add</i>	365.22	
				<i>For 90 Minutes Fire Rated, Add</i>	517.39	
				<i>For 120 Minutes Fire Rated, Add</i>	730.44	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0036	EA		3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,635.47	127.04
			<i>For 8' Height, Add</i>	359.64	
			<i>For 45 Minutes Fire Rated, Add</i>	218.91	
			<i>For 60 Minutes Fire Rated, Add</i>	375.28	
			<i>For 90 Minutes Fire Rated, Add</i>	531.65	
			<i>For 120 Minutes Fire Rated, Add</i>	750.56	
08 34 73 13-0037	EA		3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,719.31	127.04
			<i>For 8' Height, Add</i>	369.28	
			<i>For 45 Minutes Fire Rated, Add</i>	224.78	
			<i>For 60 Minutes Fire Rated, Add</i>	385.34	
			<i>For 90 Minutes Fire Rated, Add</i>	545.90	
			<i>For 120 Minutes Fire Rated, Add</i>	770.68	
08 34 73 13-0038	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,955.35	139.74
			<i>For 8' Height, Add</i>	390.58	
			<i>For 45 Minutes Fire Rated, Add</i>	237.75	
			<i>For 60 Minutes Fire Rated, Add</i>	407.57	
			<i>For 90 Minutes Fire Rated, Add</i>	577.39	
			<i>For 120 Minutes Fire Rated, Add</i>	815.13	
08 34 73 13-0039	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,048.93	139.74
			<i>For 8' Height, Add</i>	401.35	
			<i>For 45 Minutes Fire Rated, Add</i>	244.30	
			<i>For 60 Minutes Fire Rated, Add</i>	418.80	
			<i>For 90 Minutes Fire Rated, Add</i>	593.29	
			<i>For 120 Minutes Fire Rated, Add</i>	837.59	
08 34 73 13-0040	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,132.77	139.74
			<i>For 8' Height, Add</i>	410.99	
			<i>For 45 Minutes Fire Rated, Add</i>	250.17	
			<i>For 60 Minutes Fire Rated, Add</i>	428.86	
			<i>For 90 Minutes Fire Rated, Add</i>	607.55	
			<i>For 120 Minutes Fire Rated, Add</i>	857.71	
08 34 73 13-0041	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,236.76	139.74
			<i>For 8' Height, Add</i>	422.95	
			<i>For 45 Minutes Fire Rated, Add</i>	257.45	
			<i>For 60 Minutes Fire Rated, Add</i>	441.34	
			<i>For 90 Minutes Fire Rated, Add</i>	625.23	
			<i>For 120 Minutes Fire Rated, Add</i>	882.67	
08 34 73 13-0042	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,438.93	146.10
			<i>For 8' Height, Add</i>	443.28	
			<i>For 45 Minutes Fire Rated, Add</i>	269.82	
			<i>For 60 Minutes Fire Rated, Add</i>	462.55	
			<i>For 90 Minutes Fire Rated, Add</i>	655.28	
			<i>For 120 Minutes Fire Rated, Add</i>	925.10	
08 34 73 13-0043	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,522.77	146.10
			<i>For 8' Height, Add</i>	452.92	
			<i>For 45 Minutes Fire Rated, Add</i>	275.69	
			<i>For 60 Minutes Fire Rated, Add</i>	472.61	
			<i>For 90 Minutes Fire Rated, Add</i>	669.53	
			<i>For 120 Minutes Fire Rated, Add</i>	945.22	
08 34 73 13-0044	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,606.60	146.10
			<i>For 8' Height, Add</i>	462.56	
			<i>For 45 Minutes Fire Rated, Add</i>	281.56	
			<i>For 60 Minutes Fire Rated, Add</i>	482.67	
			<i>For 90 Minutes Fire Rated, Add</i>	683.78	
			<i>For 120 Minutes Fire Rated, Add</i>	965.34	
08 34 73 13-0045	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,700.19	146.10
			<i>For 8' Height, Add</i>	473.32	
			<i>For 45 Minutes Fire Rated, Add</i>	288.11	
			<i>For 60 Minutes Fire Rated, Add</i>	493.90	
			<i>For 90 Minutes Fire Rated, Add</i>	699.69	
			<i>For 120 Minutes Fire Rated, Add</i>	987.80	
08 34 73 13-0046	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,675.62	165.15
			<i>For 8' Height, Add</i>	806.73	
			<i>For 45 Minutes Fire Rated, Add</i>	491.05	
			<i>For 60 Minutes Fire Rated, Add</i>	841.80	
			<i>For 90 Minutes Fire Rated, Add</i>	1,192.56	
			<i>For 120 Minutes Fire Rated, Add</i>	1,683.61	
08 34 73 13-0047	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,755.56	165.15
			<i>For 8' Height, Add</i>	815.92	
			<i>For 45 Minutes Fire Rated, Add</i>	496.65	
			<i>For 60 Minutes Fire Rated, Add</i>	851.40	
			<i>For 90 Minutes Fire Rated, Add</i>	1,206.15	
			<i>For 120 Minutes Fire Rated, Add</i>	1,702.80	
08 34 73 13-0048	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,841.35	165.15
			<i>For 8' Height, Add</i>	825.79	
			<i>For 45 Minutes Fire Rated, Add</i>	502.65	
			<i>For 60 Minutes Fire Rated, Add</i>	861.69	
			<i>For 90 Minutes Fire Rated, Add</i>	1,220.73	
			<i>For 120 Minutes Fire Rated, Add</i>	1,723.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0049 EA 6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,929.08	165.15
<i>For 8' Height, Add</i>	835.88	
<i>For 45 Minutes Fire Rated, Add</i>	508.80	
<i>For 60 Minutes Fire Rated, Add</i>	872.22	
<i>For 90 Minutes Fire Rated, Add</i>	1,235.65	
<i>For 120 Minutes Fire Rated, Add</i>	1,744.44	
08 34 73 13-0050 EA 7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,227.17	171.50
<i>For 8' Height, Add</i>	867.23	
<i>For 45 Minutes Fire Rated, Add</i>	527.88	
<i>For 60 Minutes Fire Rated, Add</i>	904.94	
<i>For 90 Minutes Fire Rated, Add</i>	1,282.00	
<i>For 120 Minutes Fire Rated, Add</i>	1,809.88	
08 34 73 13-0051 EA 7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,313.10	171.50
<i>For 8' Height, Add</i>	877.12	
<i>For 45 Minutes Fire Rated, Add</i>	533.90	
<i>For 60 Minutes Fire Rated, Add</i>	915.25	
<i>For 90 Minutes Fire Rated, Add</i>	1,296.61	
<i>For 120 Minutes Fire Rated, Add</i>	1,830.50	
08 34 73 13-0052 EA 7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,405.32	171.50
<i>For 8' Height, Add</i>	887.72	
<i>For 45 Minutes Fire Rated, Add</i>	540.35	
<i>For 60 Minutes Fire Rated, Add</i>	926.32	
<i>For 90 Minutes Fire Rated, Add</i>	1,312.28	
<i>For 120 Minutes Fire Rated, Add</i>	1,852.64	
08 34 73 13-0053 EA 7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,499.64	171.50
<i>For 8' Height, Add</i>	898.57	
<i>For 45 Minutes Fire Rated, Add</i>	546.95	
<i>For 60 Minutes Fire Rated, Add</i>	937.64	
<i>For 90 Minutes Fire Rated, Add</i>	1,328.32	
<i>For 120 Minutes Fire Rated, Add</i>	1,875.27	

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001	Wood Acoustical Door Assembly (08 34 73 16) Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.		
08 34 73 16-0002 EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated)	2,687.34	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
	<i>For 20 Minutes Fire Rated, Add</i>	50.00	
	<i>For 45 Minutes Fire Rated, Add</i>	80.00	
	<i>For 60 Minutes Fire Rated, Add</i>	115.00	
	<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0003 EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated)	2,891.75	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
	<i>For 20 Minutes Fire Rated, Add</i>	50.00	
	<i>For 45 Minutes Fire Rated, Add</i>	80.00	
	<i>For 60 Minutes Fire Rated, Add</i>	115.00	
	<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0004 EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated)	3,005.31	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
	<i>For 20 Minutes Fire Rated, Add</i>	50.00	
	<i>For 45 Minutes Fire Rated, Add</i>	80.00	
	<i>For 60 Minutes Fire Rated, Add</i>	115.00	
	<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0005 EA	3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated)	3,118.87	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
	<i>For 20 Minutes Fire Rated, Add</i>	50.00	
	<i>For 45 Minutes Fire Rated, Add</i>	80.00	
	<i>For 60 Minutes Fire Rated, Add</i>	115.00	
	<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0006 EA	3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated)	3,618.54	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
	<i>For 20 Minutes Fire Rated, Add</i>	50.00	
	<i>For 45 Minutes Fire Rated, Add</i>	80.00	
	<i>For 60 Minutes Fire Rated, Add</i>	115.00	
	<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0007 EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	4,708.71	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0008 EA	3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated)	4,919.93	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
	<i>For 20 Minutes Fire Rated, Add</i>	50.00	
	<i>For 45 Minutes Fire Rated, Add</i>	80.00	
	<i>For 60 Minutes Fire Rated, Add</i>	115.00	
	<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0009 EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated)	5,764.82	355.70
	Note: Includes the prefinished door, frame, hinges and seals.		
	<i>For 20 Minutes Fire Rated, Add</i>	50.00	
	<i>For 45 Minutes Fire Rated, Add</i>	80.00	
	<i>For 60 Minutes Fire Rated, Add</i>	115.00	
	<i>For 90 Minutes Fire Rated, Add</i>	145.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0010	EA		3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated) Note: Includes the prefinished door, frame, hinges and seals.	6,395.08	355.70
08 36 Panel Doors (08 30)					
08 36 13 Sectional Doors (08 36)					
Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.					
08 36 13 00-0001			Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002			Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA		8' x 8', Wood Sectional Door, Manual Lift	2,735.48	508.14
08 36 13 00-0004	EA		10' x 10', Wood Sectional Door, Manual Lift	3,354.12	564.04
08 36 13 00-0005	EA		12' x 12', Wood Sectional Door, Manual Lift	4,248.22	675.83
08 36 13 00-0006	EA		14' x 14', Wood Sectional Door, Manual Lift	5,985.62	782.54
08 36 13 00-0007	EA		12' x 16', Wood Sectional Door, Manual Lift	6,558.81	1,016.29
08 36 13 00-0008	EA		20' x 8', Wood Sectional Door, Manual Lift	6,460.55	1,270.36
08 36 13 00-0009	EA		20' x 16', Wood Sectional Door, Manual Lift	11,352.50	1,693.38
08 36 13 00-0010			Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA		9' x 7', Residential Grade, Wood Sectional Door, Manual Lift..... <i>For Hardboard Face, Add</i> <i>For Insulation, Add</i> <i>For Motor Operator With Remote Controls, Add</i> <i>For Each Glass Vision Panel In Door, Add</i>	1,406.29 115.00 117.00 485.37 50.00	254.07
08 36 13 00-0012	EA		16' x 7', Residential Grade, Wood Sectional Door, Manual Lift..... <i>For Hardboard Face, Add</i> <i>For Insulation, Add</i> <i>For Motor Operator With Remote Controls, Add</i> <i>For Each Glass Vision Panel In Door, Add</i>	2,139.80 115.00 117.00 523.13 50.00	254.07
08 36 13 00-0013			Sectional Metal Overhead Doors (Width x Height) (08 36 13) Note: Includes tracks and all hardware.		
08 36 13 00-0014			Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
08 36 13 00-0015			Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA		8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	1,892.69 145.50 250.86 114.39 320.10	444.63
08 36 13 00-0017	EA		8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,227.67 175.65 302.85 138.10 386.43	508.14
08 36 13 00-0018	EA		8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,751.44 214.76 370.27 168.84 472.46	635.18
08 36 13 00-0019	EA		10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,135.06 162.22 279.69 127.54 356.89	508.14
08 36 13 00-0020	EA		10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,632.84 197.56 340.62 155.32 434.63	635.18
08 36 13 00-0021	EA		10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,317.76 241.61 416.58 189.96 531.55	825.73
08 36 13 00-0022	EA		10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,929.60 275.07 474.26 216.26 605.15	1,016.29
08 36 13 00-0023	EA		12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,554.87 186.25 321.13 146.43 409.76	635.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0024	EA		12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,200.79 224.65 387.33 176.62 494.24	825.73
08 36 13 00-0025	EA		12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,908.46 272.00 468.97 213.85 598.41	1,016.29
08 36 13 00-0026	EA		12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,612.90 318.89 549.81 250.71 701.55	1,206.85
08 36 13 00-0027	EA		12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,509.35 375.19 646.88 294.98 825.42	1,460.92
08 36 13 00-0028	EA		14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,046.45 202.27 348.75 159.03 445.00	825.73
08 36 13 00-0029	EA		14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,747.62 248.68 428.76 195.52 547.10	1,016.29
08 36 13 00-0030	EA		14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,627.82 302.63 521.78 237.93 665.78	1,270.36
08 36 13 00-0031	EA		14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,335.50 349.98 603.42 275.16 769.96	1,460.92
08 36 13 00-0032	EA		14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,129.28 409.82 706.59 322.20 901.61	1,651.47
08 36 13 00-0033	EA		16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,690.75 240.44 414.55 189.03 528.96	1,016.29
08 36 13 00-0034	EA		16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,567.70 293.91 506.75 231.08 646.61	1,270.36
08 36 13 00-0035	EA		16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,366.35 354.46 611.13 278.68 779.81	1,460.92
08 36 13 00-0036	EA		16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,372.99 445.16 767.52 349.99 979.35	1,651.47
08 36 13 00-0037	EA		16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	7,418.92 523.14 901.96 411.29 1,150.90	1,905.54
08 36 13 00-0038	EA		18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,692.83 312.06 538.03 245.34 686.52	1,270.36
08 36 13 00-0039	EA		18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,590.58 386.97 667.19 304.24 851.33	1,460.92
08 36 13 00-0040	EA		18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,730.42 496.99 856.87 390.73 1,093.37	1,651.47

08	Openings
08 30	Specialty Doors and Frames
08 36	Panel Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0041 EA 18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,777.98	1,905.54
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	575.20	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	991.72	
For Aluminum, Mill Finish, Add	452.23	
For Aluminum, Anodized Finish, Add	1,265.44	
08 36 13 00-0042 EA 18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,926.28	2,159.61
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	668.02	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,151.76	
For Aluminum, Mill Finish, Add	525.20	
For Aluminum, Anodized Finish, Add	1,469.65	
08 36 13 00-0043 EA 20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,335.50	1,460.92
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	349.98	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	603.42	
For Aluminum, Mill Finish, Add	275.16	
For Aluminum, Anodized Finish, Add	769.96	
08 36 13 00-0044 EA 20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,233.27	1,651.47
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	424.90	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	732.59	
For Aluminum, Mill Finish, Add	334.06	
For Aluminum, Anodized Finish, Add	934.78	
08 36 13 00-0045 EA 20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,652.89	1,905.54
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	557.06	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	960.45	
For Aluminum, Mill Finish, Add	437.97	
For Aluminum, Anodized Finish, Add	1,225.53	
08 36 13 00-0046 EA 20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,700.44	2,159.61
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	635.27	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,095.30	
For Aluminum, Mill Finish, Add	499.46	
For Aluminum, Anodized Finish, Add	1,397.60	
08 36 13 00-0047 EA 20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,667.59	2,413.68
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	846.83	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,460.05	
For Aluminum, Mill Finish, Add	665.78	
For Aluminum, Anodized Finish, Add	1,863.02	
08 36 13 00-0048 EA 22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,947.31	1,651.47
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	383.44	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	661.10	
For Aluminum, Mill Finish, Add	301.46	
For Aluminum, Anodized Finish, Add	843.56	
08 36 13 00-0049 EA 22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,303.58	1,905.54
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	506.41	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	873.12	
For Aluminum, Mill Finish, Add	398.14	
For Aluminum, Anodized Finish, Add	1,114.10	
08 36 13 00-0050 EA 22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,627.33	2,159.61
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	624.67	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,077.02	
For Aluminum, Mill Finish, Add	491.12	
For Aluminum, Anodized Finish, Add	1,374.28	
08 36 13 00-0051 EA 22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,142.81	2,413.68
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	770.73	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,328.85	
For Aluminum, Mill Finish, Add	605.96	
For Aluminum, Anodized Finish, Add	1,695.62	
08 36 13 00-0052 EA 22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,422.64	2,667.75
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	882.64	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,521.79	
For Aluminum, Mill Finish, Add	693.94	
For Aluminum, Anodized Finish, Add	1,941.80	
08 36 13 00-0053 EA 24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,613.08	1,905.54
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	406.29	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	700.50	
For Aluminum, Mill Finish, Add	319.43	
For Aluminum, Anodized Finish, Add	893.83	
08 36 13 00-0054 EA 24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,019.68	2,159.61
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	536.56	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	925.11	
For Aluminum, Mill Finish, Add	421.85	
For Aluminum, Anodized Finish, Add	1,180.44	
08 36 13 00-0055 EA 24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,707.39	2,413.68
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	707.60	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,220.00	
For Aluminum, Mill Finish, Add	556.32	
For Aluminum, Anodized Finish, Add	1,556.72	
08 36 13 00-0056 EA 24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,844.25	2,667.75
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	798.77	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,377.19	
For Aluminum, Mill Finish, Add	628.00	
For Aluminum, Anodized Finish, Add	1,757.29	
08 36 13 00-0057 EA 24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,153.37	2,921.83
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	914.91	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,577.44	
For Aluminum, Mill Finish, Add	719.31	
For Aluminum, Anodized Finish, Add	2,012.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0058				Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small>		
				Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA			8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,370.81	444.63
				For Aluminum, Mill Finish, Add	168.90	
				For Aluminum, Anodized Finish, Add	472.62	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	185.20	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	370.39	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	963.01	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,851.95	
08 36 13 00-0060	EA			8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,821.13	508.14
				For Aluminum, Mill Finish, Add	205.75	
				For Aluminum, Anodized Finish, Add	575.74	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	225.61	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	451.21	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,173.15	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,256.05	
08 36 13 00-0061	EA			8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,467.39	635.18
				For Aluminum, Mill Finish, Add	250.46	
				For Aluminum, Anodized Finish, Add	700.85	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	274.63	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	549.26	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,428.07	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,746.29	
08 36 13 00-0062	EA			10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,755.23	508.14
				For Aluminum, Mill Finish, Add	198.24	
				For Aluminum, Anodized Finish, Add	554.72	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	217.37	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	434.74	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,130.31	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,173.68	
08 36 13 00-0063	EA			10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,386.20	635.18
				For Aluminum, Mill Finish, Add	241.21	
				For Aluminum, Anodized Finish, Add	674.95	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	264.48	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	528.96	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,375.30	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,644.80	
08 36 13 00-0064	EA			10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,308.11	825.73
				For Aluminum, Mill Finish, Add	302.86	
				For Aluminum, Anodized Finish, Add	847.47	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	332.08	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	664.16	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,726.82	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,320.81	
08 36 13 00-0065	EA			10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,010.97	1,016.29
				For Aluminum, Mill Finish, Add	339.54	
				For Aluminum, Anodized Finish, Add	950.11	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	372.30	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	744.60	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,935.96	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,723.00	
08 36 13 00-0066	EA			12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,262.11	635.18
				For Aluminum, Mill Finish, Add	227.06	
				For Aluminum, Anodized Finish, Add	635.37	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	248.97	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	497.94	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,294.64	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,489.69	
08 36 13 00-0067	EA			12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,073.72	825.73
				For Aluminum, Mill Finish, Add	276.14	
				For Aluminum, Anodized Finish, Add	772.70	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	302.78	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	605.57	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,574.47	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,027.83	
08 36 13 00-0068	EA			12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,969.61	1,016.29
				For Aluminum, Mill Finish, Add	334.82	
				For Aluminum, Anodized Finish, Add	936.92	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	367.13	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	734.26	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,909.08	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,671.30	
08 36 13 00-0069	EA			12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,814.93	1,206.85
				For Aluminum, Mill Finish, Add	387.74	
				For Aluminum, Anodized Finish, Add	1,085.00	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	425.16	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	850.31	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,210.81	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,251.56	
08 36 13 00-0070	EA			12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,058.47	1,460.92
				For Aluminum, Mill Finish, Add	471.58	
				For Aluminum, Anodized Finish, Add	1,319.59	
				For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	517.08	
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,034.16	
				For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,688.82	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,170.81	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,891.40	825.73
			<i>For Aluminum, Mill Finish, Add</i>	255.35	
			<i>For Aluminum, Anodized Finish, Add</i>	714.54	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	279.99	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	559.99	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,455.96	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,799.93	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,824.06	1,016.29
			<i>For Aluminum, Mill Finish, Add</i>	318.23	
			<i>For Aluminum, Anodized Finish, Add</i>	890.49	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	348.94	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	697.87	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,814.47	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,489.36	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,876.10	1,270.36
			<i>For Aluminum, Mill Finish, Add</i>	380.23	
			<i>For Aluminum, Anodized Finish, Add</i>	1,063.99	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	416.92	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	833.85	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,168.00	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,169.23	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,917.51	1,460.92
			<i>For Aluminum, Mill Finish, Add</i>	455.51	
			<i>For Aluminum, Anodized Finish, Add</i>	1,274.63	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	499.46	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	998.92	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,597.20	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,994.61	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,934.44	1,651.47
			<i>For Aluminum, Mill Finish, Add</i>	527.99	
			<i>For Aluminum, Anodized Finish, Add</i>	1,477.45	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	578.94	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,157.88	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,010.48	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,789.39	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,666.26	1,016.29
			<i>For Aluminum, Mill Finish, Add</i>	300.24	
			<i>For Aluminum, Anodized Finish, Add</i>	840.15	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	329.21	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	658.42	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,711.90	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,292.11	
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,998.67	1,270.36
			<i>For Aluminum, Mill Finish, Add</i>	394.21	
			<i>For Aluminum, Anodized Finish, Add</i>	1,103.09	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	432.24	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	864.49	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,247.67	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,322.44	
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,000.25	1,460.92
			<i>For Aluminum, Mill Finish, Add</i>	464.94	
			<i>For Aluminum, Anodized Finish, Add</i>	1,301.02	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	509.80	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,019.61	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,650.98	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,098.04	
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,007.96	1,651.47
			<i>For Aluminum, Mill Finish, Add</i>	536.37	
			<i>For Aluminum, Anodized Finish, Add</i>	1,500.90	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	588.13	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,176.26	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,058.27	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,881.29	
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,459.89	1,905.54
			<i>For Aluminum, Mill Finish, Add</i>	643.96	
			<i>For Aluminum, Anodized Finish, Add</i>	1,801.97	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	706.10	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,412.20	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,671.72	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,061.00	
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,404.21	1,270.36
			<i>For Aluminum, Mill Finish, Add</i>	326.44	
			<i>For Aluminum, Anodized Finish, Add</i>	913.45	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	357.94	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	715.87	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,861.27	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,579.36	
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,673.91	1,460.92
			<i>For Aluminum, Mill Finish, Add</i>	427.74	
			<i>For Aluminum, Anodized Finish, Add</i>	1,196.92	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	469.01	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	938.02	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,438.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,690.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,738.31	1,651.47
<i>For Aluminum, Mill Finish, Add</i>	505.63	
<i>For Aluminum, Anodized Finish, Add</i>	1,414.89	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	554.42	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,108.85	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,883.00	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,544.23	
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,616.16	1,905.54
<i>For Aluminum, Mill Finish, Add</i>	661.78	
<i>For Aluminum, Anodized Finish, Add</i>	1,851.82	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	725.63	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,451.27	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,773.30	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,256.34	
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,551.76	2,159.61
<i>For Aluminum, Mill Finish, Add</i>	710.51	
<i>For Aluminum, Anodized Finish, Add</i>	1,988.17	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	779.07	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,558.13	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,051.14	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,790.65	
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,644.80	1,460.92
<i>For Aluminum, Mill Finish, Add</i>	424.42	
<i>For Aluminum, Anodized Finish, Add</i>	1,187.63	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	465.37	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	930.75	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,419.94	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,653.73	
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,805.75	1,651.47
<i>For Aluminum, Mill Finish, Add</i>	513.32	
<i>For Aluminum, Anodized Finish, Add</i>	1,436.40	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	562.85	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,125.71	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,926.83	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,628.53	
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,930.22	1,905.54
<i>For Aluminum, Mill Finish, Add</i>	697.58	
<i>For Aluminum, Anodized Finish, Add</i>	1,952.00	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	764.89	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,529.78	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,977.43	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,648.91	
08 36 13 00-0089 EA 20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,832.12	2,159.61
<i>For Aluminum, Mill Finish, Add</i>	742.47	
<i>For Aluminum, Anodized Finish, Add</i>	2,077.61	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	814.11	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,628.22	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,233.37	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,141.10	
08 36 13 00-0090 EA 20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,561.35	2,413.68
<i>For Aluminum, Mill Finish, Add</i>	881.67	
<i>For Aluminum, Anodized Finish, Add</i>	2,467.13	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	966.74	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,933.49	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,027.07	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,667.44	
08 36 13 00-0091 EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,301.68	1,651.47
<i>For Aluminum, Mill Finish, Add</i>	455.86	
<i>For Aluminum, Anodized Finish, Add</i>	1,275.60	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	499.84	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	999.69	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,599.19	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,998.44	
08 36 13 00-0092 EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,995.67	1,905.54
<i>For Aluminum, Mill Finish, Add</i>	591.04	
<i>For Aluminum, Anodized Finish, Add</i>	1,653.88	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	648.07	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,296.15	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,369.98	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,480.73	
08 36 13 00-0093 EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,663.61	2,159.61
<i>For Aluminum, Mill Finish, Add</i>	723.26	
<i>For Aluminum, Anodized Finish, Add</i>	2,023.85	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	793.05	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,586.09	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,123.84	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,930.46	
08 36 13 00-0094 EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,980.69	2,413.68
<i>For Aluminum, Mill Finish, Add</i>	815.48	
<i>For Aluminum, Anodized Finish, Add</i>	2,281.90	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	894.16	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,788.32	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,649.64	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,941.61	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0095	EA		22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,648.56	2,667.75
			<i>For Aluminum, Mill Finish, Add</i>	947.69	
			<i>For Aluminum, Anodized Finish, Add</i>	2,651.87	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,039.13	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,078.27	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,403.50	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	10,391.34	
08 36 13 00-0096	EA		24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,148.43	1,905.54
			<i>For Aluminum, Mill Finish, Add</i>	494.46	
			<i>For Aluminum, Anodized Finish, Add</i>	1,383.61	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	542.17	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,084.34	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,819.27	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,421.68	
08 36 13 00-0097	EA		24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,012.48	2,159.61
			<i>For Aluminum, Mill Finish, Add</i>	649.03	
			<i>For Aluminum, Anodized Finish, Add</i>	1,816.14	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	711.66	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,423.31	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,700.61	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,116.55	
08 36 13 00-0098	EA		24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,593.09	2,413.68
			<i>For Aluminum, Mill Finish, Add</i>	771.29	
			<i>For Aluminum, Anodized Finish, Add</i>	2,158.26	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	845.71	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,691.42	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,397.70	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,457.11	
08 36 13 00-0099	EA		24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,264.03	2,667.75
			<i>For Aluminum, Mill Finish, Add</i>	903.85	
			<i>For Aluminum, Anodized Finish, Add</i>	2,529.20	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	991.07	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,982.14	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,153.55	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,910.68	
08 36 13 00-0100	EA		24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	14,908.96	2,921.83
			<i>For Aluminum, Mill Finish, Add</i>	1,033.45	
			<i>For Aluminum, Anodized Finish, Add</i>	2,891.84	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,133.17	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,266.33	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,892.46	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	11,331.66	
08 36 13 00-0101			Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
			Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA		9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,114.76	254.07
			<i>For Aluminum And Fiberglass, Add</i>	148.67	
			<i>For Each Glass Vision Panel In Door, Add</i>	27.00	
			<i>For Insulated Door, Add</i>	254.18	
08 36 13 00-0103	EA		9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,200.83	254.07
			<i>For Aluminum And Fiberglass, Add</i>	175.35	
			<i>For Each Glass Vision Panel In Door, Add</i>	27.00	
			<i>For Insulated Door, Add</i>	299.79	
08 36 13 00-0104	EA		16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,518.21	290.66
			<i>For Aluminum And Fiberglass, Add</i>	245.86	
			<i>For Each Glass Vision Panel In Door, Add</i>	27.00	
			<i>For Insulated Door, Add</i>	420.35	
08 36 13 00-0105	EA		16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,653.45	290.66
			<i>For Aluminum And Fiberglass, Add</i>	287.79	
			<i>For Each Glass Vision Panel In Door, Add</i>	27.00	
			<i>For Insulated Door, Add</i>	492.03	
08 36 13 00-0106			Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports (08 36 13 00-0013)		
			Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF		Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	18.22	
08 36 13 00-0108			Sectional Fiberglass Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0109			Fiberglass Sectional Overhead Doors (08 36 13 00-0108)		
08 36 13 00-0110			Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)		
			Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA		8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,370.48	444.63
08 36 13 00-0112	EA		8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,801.92	508.14
08 36 13 00-0113	EA		8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,336.14	635.18
08 36 13 00-0114	EA		10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,772.69	508.14
08 36 13 00-0115	EA		10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,286.96	571.66
08 36 13 00-0116	EA		10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,148.24	793.97
08 36 13 00-0117	EA		10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,013.67	1,016.29
08 36 13 00-0118	EA		12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,294.73	635.18
08 36 13 00-0119	EA		12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,131.19	793.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0120	EA		12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,957.54	952.77
08 36 13 00-0121	EA		12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,099.80	1,270.36
08 36 13 00-0122	EA		12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,120.97	1,524.43
08 36 13 00-0123	EA		14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,070.55	889.25
08 36 13 00-0124	EA		14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,911.35	1,016.29
08 36 13 00-0125	EA		14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,012.11	1,270.36
08 36 13 00-0126	EA		14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,111.23	1,524.43
08 36 13 00-0127	EA		14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,959.10	1,651.47
08 36 13 00-0128	EA		16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,626.33	1,016.29
08 36 13 00-0129	EA		16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,523.98	1,143.32
08 36 13 00-0130	EA		16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,690.95	1,397.39
08 36 13 00-0131	EA		16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,844.60	1,651.47
08 36 13 00-0132	EA		16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	8,745.25	1,778.50

08 36 13 00-0133 Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)

Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.

08 36 13 00-0134	EA		8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,859.26	444.63
08 36 13 00-0135	EA		8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,391.18	508.14
08 36 13 00-0136	EA		8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,017.85	635.18
08 36 13 00-0137	EA		10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,352.30	508.14
08 36 13 00-0138	EA		10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,994.39	571.66
08 36 13 00-0139	EA		10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,993.14	793.97
08 36 13 00-0140	EA		10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,997.64	1,016.29
08 36 13 00-0141	EA		12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,962.77	635.18
08 36 13 00-0142	EA		12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,970.46	793.97
08 36 13 00-0143	EA		12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,984.83	952.77
08 36 13 00-0144	EA		12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,274.30	1,270.36
08 36 13 00-0145	EA		12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,465.09	1,524.43
08 36 13 00-0146	EA		14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,827.02	889.25
08 36 13 00-0147	EA		14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,861.56	1,016.29
08 36 13 00-0148	EA		14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,157.66	1,270.36
08 36 13 00-0149	EA		14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,452.13	1,524.43
08 36 13 00-0150	EA		14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,496.15	1,651.47
08 36 13 00-0151	EA		16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,482.49	1,016.29
08 36 13 00-0152	EA		16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,592.37	1,143.32
08 36 13 00-0153	EA		16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,976.39	1,397.39
08 36 13 00-0154	EA		16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,343.87	1,651.47
08 36 13 00-0155	EA		16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,457.55	1,778.50

08 36 13 00-0156 Sectional Overhead Door Accessories (08 36 13)

08 36 13 00-0157 Sectional Overhead Door Accessories (08 36 13 00-0156)

08 36 13 00-0158	LF		Flap Seal For Sectional Overhead Doors.....	4.64	
08 36 13 00-0159	LF		Weather Seal At Top Of Door For Sectional Overhead Doors.....	6.68	
08 36 13 00-0160	LF		Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	3.79	
08 36 13 00-0161	EA		Cylinder Lock For Sectional Overhead Doors.....	397.44	
08 36 13 00-0162	EA		Manual Chain Hoist For Sectional Overhead Doors.....	614.42	
08 36 13 00-0163	EA		3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....	2,649.54	
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	
08 36 13 00-0164	EA		1/2 HP Trolley Operator For Sectional Overhead Doors.....	1,120.49	
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	
08 36 13 00-0165	EA		3/4 HP Trolley Operator For Sectional Overhead Doors.....	1,405.41	
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	
				<i>For Door Height >12', Add</i>	10.00
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	
08 36 13 00-0166	SF		Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	37.86	
				Note: Additional cost for factory supplied.	
08 36 13 00-0167	SF		>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	23.61	
				Note: Additional cost for factory supplied.	
08 36 13 00-0168	SF		Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	39.59	
				Note: Additional cost for factory supplied.	
08 36 13 00-0169	SF		>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	26.99	
				Note: Additional cost for factory supplied.	
08 36 13 00-0170	SF		Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	63.68	
				Note: Additional cost for factory supplied.	
08 36 13 00-0171	SF		>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	42.98	
				Note: Additional cost for factory supplied.	
08 36 13 00-0172	EA		Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door.....	601.97	
				Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	
08 36 13 00-0173	EA		Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door.....	935.47	
				Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	
08 36 13 00-0174	EA		Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door.....	1,395.16	
				Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	
08 36 13 00-0175	SF		25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.68	
				Note: Additional cost for factory supplied/installed spring. Per SF of Door.	
08 36 13 00-0176	SF		50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	2.16	
				Note: Additional cost for factory supplied/installed spring. Per SF of Door.	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.86	
08 38 Traffic Doors (08 30)				
08 38 13 Flexible Strip Doors (08 38)				
08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)				
08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	24.13 0.76 1.60	7.63
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	33.62 1.08 2.26	10.16
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	21.03 0.96 2.02	6.35
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	27.30 1.21 2.53	6.98
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	22.37 1.22 2.56	6.35
08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)				
08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	73.50 1.51 3.16	35.83
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	75.62 1.72 3.61	35.83
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	107.64 3.52 7.40	44.34
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	114.79 4.24 8.90	44.34
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	121.51 4.91 10.31	44.34
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	205.52 11.50 24.15	45.22
08 38 16 Flexible Traffic Doors (08 38)				
Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.				
08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)				
08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)				
08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)				
08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,362.23	127.04
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,887.28	127.04
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	14,457.74	146.10
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	16,229.51	158.79
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,316.00	158.79
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	26,491.46	158.79
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	29,471.96	190.56
08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)				
08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,093.18	127.04
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,677.89	127.04



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0014	EA		96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	17,150.16	146.10
08 38 16 00-0015	EA		96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	18,909.97	158.79
08 38 16 00-0016	EA		108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	28,390.12	158.79
08 38 16 00-0017	EA		108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	29,585.82	158.79
08 38 16 00-0018	EA		120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	32,914.51	190.56
08 38 16 00-0019			0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliaison FMP) <i>(08 38 16)</i> Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020			Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <i>(08 38 16 00-0019)</i>		
08 38 16 00-0021			84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <i>(08 38 16 00-0020)</i>		
08 38 16 00-0022	EA		24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,559.82	69.87
08 38 16 00-0023	EA		40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,763.67	69.87
08 38 16 00-0024			96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <i>(08 38 16 00-0020)</i>		
08 38 16 00-0025	EA		24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,763.67	69.87
08 38 16 00-0026	EA		40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,821.17	69.87
08 38 16 00-0027			Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <i>(08 38 16 00-0019)</i>		
08 38 16 00-0028			84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <i>(08 38 16 00-0027)</i>		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	5,081.51	120.68
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	5,489.22	120.68
08 38 16 00-0031			96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <i>(08 38 16 00-0027)</i>		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	5,489.22	120.68
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	5,604.21	120.68
08 38 19			Rigid Traffic Doors <i>(08 38)</i>		
			Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001			0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliaison LWP-3) <i>(08 38 19)</i>		
			Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <i>(08 38 19 00-0001)</i>		
08 38 19 00-0003			84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <i>(08 38 19 00-0002)</i>		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,226.94	69.87
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,321.03	69.87
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,363.98	73.04
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,421.47	73.04
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,485.34	76.22
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

08 Openings

08 30 Specialty Doors and Frames

08 38 Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,610.79	76.22
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,666.41	85.75
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0011			96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,388.98	69.87
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,462.16	69.87
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,510.33	73.04
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,552.15	73.04
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,699.65	76.22
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,731.01	76.22
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,781.40	85.75
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0019			Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0020			84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,415.75	120.68
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,603.93	120.68
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,677.10	120.68
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,792.10	120.68
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,919.83	127.04
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0026 EA 80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,170.72	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027 EA 84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,243.90	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028 96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)		
08 38 19 00-0029 EA 48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,739.83	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030 EA 56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,886.18	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031 EA 60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,969.81	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032 EA 64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,053.45	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033 EA 72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,348.44	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034 EA 80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,411.17	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035 EA 84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,473.89	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036 3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) (08 38 19)		
Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037 Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0038 84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)		
08 38 19 00-0039 EA 24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,188.71	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040 EA 28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,434.37	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041 EA 30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,540.05	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042 EA 32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,644.59	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043 EA 36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,682.32	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044 EA 40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,896.62	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045 EA 42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,109.05	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046 EA 44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,145.64	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047 96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)		

08	Openings
08 30	Specialty Doors and Frames
08 38	Traffic Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0048 EA 24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,397.79 6.00 19.00	69.87
08 38 19 00-0049 EA 28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,653.91 6.00 19.00	69.87
08 38 19 00-0050 EA 30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,759.58 6.00 19.00	73.04
08 38 19 00-0051 EA 32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,890.25 6.00 19.00	73.04
08 38 19 00-0052 EA 36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,990.71 6.00 19.00	76.22
08 38 19 00-0053 EA 40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,199.79 6.00 19.00	76.22
08 38 19 00-0054 EA 42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,302.45 6.00 19.00	85.75
08 38 19 00-0055 EA 44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,433.13 6.00 19.00	85.75
08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)		
08 38 19 00-0058 EA 48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,339.28 6.00 19.00	120.68
08 38 19 00-0059 EA 56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,830.62 6.00 19.00	120.68
08 38 19 00-0060 EA 60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,029.24 6.00 19.00	120.68
08 38 19 00-0061 EA 64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,238.32 6.00 19.00	120.68
08 38 19 00-0062 EA 72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,313.79 6.00 19.00	127.04
08 38 19 00-0063 EA 80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,742.40 6.00 19.00	127.04
08 38 19 00-0064 EA 84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,129.20 6.00 19.00	127.04
08 38 19 00-0065 EA 88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,202.37 6.00 19.00	127.04
08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)		
08 38 19 00-0067 EA 48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,757.44 6.00 19.00	120.68
08 38 19 00-0068 EA 56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,269.68 6.00 19.00	120.68
08 38 19 00-0069 EA 60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,468.31 6.00 19.00	120.68
08 38 19 00-0070 EA 64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,729.66 6.00 19.00	120.68
08 38 19 00-0071 EA 72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,930.57 6.00 19.00	127.04
08 38 19 00-0072 EA 80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,348.73 6.00 19.00	127.04
08 38 19 00-0073 EA 84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,515.99 6.00 19.00	127.04
08 38 19 00-0074 EA 88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,777.34 6.00 19.00	127.04



Openings	08	08
Specialty Doors and Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small> Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078 EA 24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,872.75 6.00 19.00	69.87
08 38 19 00-0079 EA 28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,266.93 6.00 19.00	69.87
08 38 19 00-0080 EA 30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,378.41 6.00 19.00	73.04
08 38 19 00-0081 EA 32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,417.83 6.00 19.00	73.04
08 38 19 00-0082 EA 36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,463.61 6.00 19.00	76.22
08 38 19 00-0083 EA 40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,831.52 6.00 19.00	76.22
08 38 19 00-0084 EA 42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,152.76 6.00 19.00	85.75
08 38 19 00-0085 EA 44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,198.75 6.00 19.00	85.75
08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087 EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,958.15 6.00 19.00	69.87
08 38 19 00-0088 EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,444.31 6.00 19.00	69.87
08 38 19 00-0089 EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,562.36 6.00 19.00	73.04
08 38 19 00-0090 EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,614.92 6.00 19.00	73.04
08 38 19 00-0091 EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,634.43 6.00 19.00	76.22
08 38 19 00-0092 EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,903.79 6.00 19.00	76.22
08 38 19 00-0093 EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,218.46 6.00 19.00	85.75
08 38 19 00-0094 EA 44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,271.01 6.00 19.00	85.75
08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097 EA 48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,707.36 6.00 19.00	120.68
08 38 19 00-0098 EA 56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,495.73 6.00 19.00	120.68
08 38 19 00-0099 EA 60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,705.96 6.00 19.00	120.68
08 38 19 00-0100 EA 64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,784.80 6.00 19.00	120.68
08 38 19 00-0101 EA 72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,876.38 6.00 19.00	127.04

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,612.19 6.00 19.00	127.04
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,216.61 6.00 19.00	127.04
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,308.58 6.00 19.00	127.04
08 38 19 00-0105		96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,878.18 6.00 19.00	120.68
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,850.50 6.00 19.00	120.68
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,073.87 6.00 19.00	120.68
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,178.99 6.00 19.00	120.68
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,218.01 6.00 19.00	127.04
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,756.72 6.00 19.00	127.04
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,348.00 6.00 19.00	127.04
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,453.12 6.00 19.00	127.04
08 38 19 00-0114		1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) (08 38 19) Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115		Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)		
08 38 19 00-0116		84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)		
08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,941.39 22.00 28.00 41.00	69.87
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,218.42 22.00 28.00 41.00	69.87
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,297.96 22.00 28.00 41.00	73.04
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,365.91 22.00 28.00 41.00	73.04
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,487.27 22.00 28.00 41.00	76.22
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,617.95 22.00 28.00 41.00	76.22
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,741.52 22.00 28.00 41.00	85.75
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,830.38 22.00 28.00 41.00	85.75



Openings	08	08
Specialty Doors and Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126 EA 24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,176.61	69.87
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0127 EA 28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,469.32	69.87
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0128 EA 30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,554.08	73.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0129 EA 32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,590.67	73.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0130 EA 36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,701.58	76.22
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0131 EA 40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,874.07	76.22
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0132 EA 42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,976.73	85.75
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0133 EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,065.59	85.75
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136 EA 48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,844.65	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0137 EA 56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	6,398.71	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0138 EA 60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	6,545.07	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0139 EA 64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	6,680.97	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0140 EA 72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	6,923.70	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0141 EA 80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,185.05	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0142 EA 84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,394.12	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0143 EA 88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,571.84	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145 EA 48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	6,315.08	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0146 EA 56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	6,900.50	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0147 EA 60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,057.31	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0148 EA 64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,130.49	120.68
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0149 EA 72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,352.31	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0150 EA 80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,697.29	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0151 EA 84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,864.55	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0152 EA 88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,042.27	127.04
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) ^(08 38 19 00-0153)		
¹⁹⁾ Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors ^(08 38 19 00-0153)		
08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors ^(08 38 19 00-0154)		
08 38 19 00-0156 EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,889.12	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0157 EA 28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,040.70	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0158 EA 30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,182.97	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0159 EA 32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,271.82	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0160 EA 36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,497.73	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0161 EA 40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,675.44	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0162 EA 42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,835.60	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0163 EA 44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,002.87	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors ^(08 38 19 00-0154)		
08 38 19 00-0165 EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,993.66	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0166 EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,176.61	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0167 EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,271.82	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0168 EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,397.27	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0169 EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,638.86	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0170 EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,853.16	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	



Openings	08
Specialty Doors and Frames	08 30
Traffic Doors	08 38

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0171 EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,002.87	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0172 EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,159.68	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0174 EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,260.24	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0175 EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,296.83	69.87
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0176 EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,454.77	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0177 EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,569.76	73.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0178 EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,816.57	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0179 EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,072.70	76.22
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0180 EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,211.95	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0181 EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,368.75	85.75
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)		
08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0182)		
08 38 19 00-0184 EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,740.11	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0185 EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	6,043.28	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0186 EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	6,315.08	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0187 EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	6,492.80	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0188 EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	6,944.60	127.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0189 EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,300.04	127.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0190 EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,582.30	127.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0191 EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,916.82	127.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0192 90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0182)		
08 38 19 00-0193 EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,949.19	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0194 EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	6,315.08	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0195 EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	6,492.80	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0196 EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	6,743.69	120.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0197 EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,226.86	127.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	

08	Openings
08 30	Specialty Doors and Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,655.47 6.00 19.00	127.04
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,916.82 6.00 19.00	127.04
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,230.44 6.00 19.00	127.04
08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,482.34 6.00 19.00	120.68
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,555.52 6.00 19.00	120.68
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,858.69 6.00 19.00	120.68
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,088.67 6.00 19.00	120.68
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,582.30 6.00 19.00	127.04
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,094.54 6.00 19.00	127.04
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,334.98 6.00 19.00	127.04
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,648.60 6.00 19.00	127.04
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) <small>(08 38 19 00-0210)</small> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,889.12 6.00 19.00	69.87
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,040.70 6.00 19.00	69.87
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,182.97 6.00 19.00	73.04
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,271.82 6.00 19.00	73.04
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,497.73 6.00 19.00	76.22
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,675.44 6.00 19.00	76.22
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,835.60 6.00 19.00	85.75
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,002.87 6.00 19.00	85.75
08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,993.66 6.00 19.00	69.87
08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,176.61 6.00 19.00	69.87



Openings	08
Specialty Doors and Frames	08 30
Traffic Doors	08 38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0224 EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,271.82 6.00 19.00	73.04
08 38 19 00-0225 EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,397.27 6.00 19.00	73.04
08 38 19 00-0226 EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,638.86 6.00 19.00	76.22
08 38 19 00-0227 EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,853.16 6.00 19.00	76.22
08 38 19 00-0228 EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,002.87 6.00 19.00	85.75
08 38 19 00-0229 EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.68 6.00 19.00	85.75
08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231 EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,260.24 6.00 19.00	69.87
08 38 19 00-0232 EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,296.83 6.00 19.00	69.87
08 38 19 00-0233 EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,454.77 6.00 19.00	73.04
08 38 19 00-0234 EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,569.76 6.00 19.00	73.04
08 38 19 00-0235 EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,816.57 6.00 19.00	76.22
08 38 19 00-0236 EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,072.70 6.00 19.00	76.22
08 38 19 00-0237 EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,211.95 6.00 19.00	85.75
08 38 19 00-0238 EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,368.75 6.00 19.00	85.75
08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241 EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,740.11 6.00 19.00	120.68
08 38 19 00-0242 EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,043.28 6.00 19.00	120.68
08 38 19 00-0243 EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,315.08 6.00 19.00	120.68
08 38 19 00-0244 EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,492.80 6.00 19.00	120.68
08 38 19 00-0245 EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,944.60 6.00 19.00	127.04
08 38 19 00-0246 EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,300.04 6.00 19.00	127.04
08 38 19 00-0247 EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,582.30 6.00 19.00	127.04
08 38 19 00-0248 EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,916.82 6.00 19.00	127.04
08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250 EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,949.19 6.00 19.00	120.68

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0251 EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,315.08 6.00 19.00	120.68
08 38 19 00-0252 EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,492.80 6.00 19.00	120.68
08 38 19 00-0253 EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,743.69 6.00 19.00	120.68
08 38 19 00-0254 EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,226.86 6.00 19.00	127.04
08 38 19 00-0255 EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,655.47 6.00 19.00	127.04
08 38 19 00-0256 EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,916.82 6.00 19.00	127.04
08 38 19 00-0257 EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,230.44 6.00 19.00	127.04
08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259 EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,482.34 6.00 19.00	120.68
08 38 19 00-0260 EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,555.52 6.00 19.00	120.68
08 38 19 00-0261 EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,858.69 6.00 19.00	120.68
08 38 19 00-0262 EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,088.67 6.00 19.00	120.68
08 38 19 00-0263 EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,582.30 6.00 19.00	127.04
08 38 19 00-0264 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,094.54 6.00 19.00	127.04
08 38 19 00-0265 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,334.98 6.00 19.00	127.04
08 38 19 00-0266 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,648.60 6.00 19.00	127.04
08 38 19 00-0267 Rigid Impact Traffic Door Accessories <small>(08 38 19)</small>		
08 38 19 00-0268 Bumper Strips For Impact Traffic Doors <small>(08 38 19 00-0267)</small> Note: Includes two bumpers per set.		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors	244.22	50.82
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors	270.35	50.82
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors	291.26	50.82
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors	327.85	50.82
08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors <small>(08 38 19 00-0267)</small> Note: Includes two bumpers per set.		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors	667.60	50.82
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors	887.14	50.82
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,310.52	50.82
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors	1,514.37	50.82
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors	1,723.45	50.82
08 38 19 00-0279 Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small> Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0281 SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	291.26	50.82
08 38 19 00-0282 SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	312.17	50.82
08 38 19 00-0283 SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	338.30	50.82
08 38 19 00-0284 SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	374.89	50.82
08 38 19 00-0285 SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	395.80	50.82
08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0287 SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	395.80	50.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0288 SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates	489.89	50.82
08 38 19 00-0289 SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates	542.16	50.82
08 38 19 00-0290 SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates	615.33	50.82
08 38 19 00-0291 SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates	662.38	50.82
08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0293 SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates	489.89	50.82
08 38 19 00-0294 SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates	573.52	50.82
08 38 19 00-0295 SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates	636.24	50.82
08 38 19 00-0296 SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates	751.24	50.82
08 38 19 00-0297 SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates	829.64	50.82
08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0299 SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates	542.16	50.82
08 38 19 00-0300 SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates	636.24	50.82
08 38 19 00-0301 SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	740.78	50.82
08 38 19 00-0302 SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	798.28	50.82
08 38 19 00-0303 SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	887.14	50.82
08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0305 SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	662.38	50.82
08 38 19 00-0306 SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	829.64	50.82
08 38 19 00-0307 SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates	887.14	50.82
08 38 19 00-0308 SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates	996.90	50.82
08 38 19 00-0309 SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,117.12	50.82
08 38 19 00-0310 Base Plates For Impact Traffic Doors (08 38 19 00-0267)		
Note: Includes two base plates per set.		
08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0313 SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	280.81	50.82
08 38 19 00-0314 SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	301.72	50.82
08 38 19 00-0315 SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	312.17	50.82
08 38 19 00-0316 SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	359.21	50.82
08 38 19 00-0317 SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	380.12	50.82
08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0319 SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	359.21	50.82
08 38 19 00-0320 SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	390.57	50.82
08 38 19 00-0321 SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	421.94	50.82
08 38 19 00-0322 SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	448.07	50.82
08 38 19 00-0323 SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	489.89	50.82
08 38 19 00-0324 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0325 SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	411.48	50.82
08 38 19 00-0326 SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	437.62	50.82
08 38 19 00-0327 SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	500.34	50.82
08 38 19 00-0328 SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	568.29	50.82
08 38 19 00-0329 SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	599.65	50.82
08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0331 SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	437.62	50.82
08 38 19 00-0332 SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	489.89	50.82
08 38 19 00-0333 SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	568.29	50.82
08 38 19 00-0334 SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	631.01	50.82
08 38 19 00-0335 SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	667.60	50.82
08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0337 SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	557.84	50.82
08 38 19 00-0338 SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	631.01	50.82
08 38 19 00-0339 SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	730.33	50.82
08 38 19 00-0340 SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	777.37	50.82
08 38 19 00-0341 SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	840.09	50.82
08 38 19 00-0342 Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0344 SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	374.89	50.82
08 38 19 00-0345 SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	395.80	50.82
08 38 19 00-0346 SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	458.52	50.82
08 38 19 00-0347 SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	489.89	50.82
08 38 19 00-0348 SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	578.74	50.82
08 38 19 00-0349 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342)</small>		
08 38 19 00-0350 SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	521.25	50.82
08 38 19 00-0351 SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	615.33	50.82
08 38 19 00-0352 SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	709.42	50.82
08 38 19 00-0353 SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	824.41	50.82
08 38 19 00-0354 SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	928.95	50.82
08 38 19 00-0355 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342)</small>		
08 38 19 00-0356 SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	594.43	50.82
08 38 19 00-0357 SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	719.87	50.82
08 38 19 00-0358 SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	834.87	50.82
08 38 19 00-0359 SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	955.09	50.82
08 38 19 00-0360 SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,096.22	50.82
08 38 19 00-0361 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342)</small>		
08 38 19 00-0362 SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	688.51	50.82
08 38 19 00-0363 SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	824.41	50.82
08 38 19 00-0364 SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	981.22	50.82
08 38 19 00-0365 SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,132.80	50.82
08 38 19 00-0366 SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,263.48	50.82
08 38 19 00-0367 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342)</small>		
08 38 19 00-0368 SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	855.77	50.82
08 38 19 00-0369 SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,179.85	50.82
08 38 19 00-0370 SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,263.48	50.82
08 38 19 00-0371 SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,514.37	50.82
08 38 19 00-0372 SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,660.73	50.82
08 38 19 00-0373 One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375 SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	333.08	50.82
08 38 19 00-0376 SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	359.21	50.82
08 38 19 00-0377 SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	390.57	50.82
08 38 19 00-0378 SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	427.16	50.82
08 38 19 00-0379 SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	484.66	50.82
08 38 19 00-0380 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381 SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	448.07	50.82
08 38 19 00-0382 SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	510.79	50.82
08 38 19 00-0383 SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	573.52	50.82
08 38 19 00-0384 SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	641.47	50.82
08 38 19 00-0385 SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	719.87	50.82
08 38 19 00-0386 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387 SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	510.79	50.82
08 38 19 00-0388 SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	589.20	50.82
08 38 19 00-0389 SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	678.06	50.82
08 38 19 00-0390 SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	787.82	50.82
08 38 19 00-0391 SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	861.00	50.82
08 38 19 00-0392 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393 SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	573.52	50.82
08 38 19 00-0394 SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	678.06	50.82
08 38 19 00-0395 SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	787.82	50.82
08 38 19 00-0396 SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	897.59	50.82
08 38 19 00-0397 SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	976.00	50.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0398 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399 SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	719.87	50.82
08 38 19 00-0400 SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	881.91	50.82
08 38 19 00-0401 SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	976.00	50.82
08 38 19 00-0402 SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,164.17	50.82
08 38 19 00-0403 SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,216.44	50.82
08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)		
08 38 19 00-0405 EA 3" x 9", Jamb Guard For Impact Traffic Doors	455.53	63.51
08 38 19 00-0406 EA 5" x 18", Jamb Guard For Impact Traffic Doors	612.34	63.51
08 38 19 00-0407 EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,187.31	63.51
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409 EA Push Plate For Impact Traffic Doors	115.39	31.76
08 38 19 00-0410 EA Pull Handle For Impact Traffic Doors	151.98	31.76
08 38 19 00-0411 EA Deadbolt Lock For Impact Traffic Doors	376.74	31.76
08 38 19 00-0412 PR Lock Hole Reinforcements For Impact Traffic Doors	470.83	31.76
08 38 19 00-0413 PR Padlock Brackets For Impact Traffic Doors	188.57	31.76
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0417 EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,124.15	95.28
08 38 19 00-0418 EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,321.02	104.81
08 38 19 00-0419 EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,351.49	111.15
08 38 19 00-0420 EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,386.08	120.68
08 38 19 00-0421 EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,418.80	127.04
08 38 19 00-0422 EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,479.44	133.39
08 38 19 00-0423 EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,524.22	139.74
08 38 19 00-0424 EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,554.50	146.10
08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0426 EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,147.46	95.28
08 38 19 00-0427 EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,348.78	104.81
08 38 19 00-0428 EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,379.73	111.15
08 38 19 00-0429 EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,414.70	120.68
08 38 19 00-0430 EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,447.91	127.04
08 38 19 00-0431 EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,509.76	133.39
08 38 19 00-0432 EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,555.32	139.74
08 38 19 00-0433 EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,586.07	146.10
08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0435 EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,178.46	95.28
08 38 19 00-0436 EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,385.68	104.81
08 38 19 00-0437 EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,417.21	111.15
08 38 19 00-0438 EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,443.52	120.68
08 38 19 00-0439 EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,486.59	127.04
08 38 19 00-0440 EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,540.07	133.39
08 38 19 00-0441 EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,596.67	139.74
08 38 19 00-0442 EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,630.29	142.92
08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0445 EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,581.41	146.10
08 38 19 00-0446 EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,607.29	148.63
08 38 19 00-0447 EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,638.55	152.44
08 38 19 00-0448 EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,681.30	158.79
08 38 19 00-0449 EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,708.38	165.15
08 38 19 00-0450 EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,765.29	166.42
08 38 19 00-0451 EA 84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,803.67	168.32
08 38 19 00-0452 EA 88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,850.10	171.50
08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0454 EA 48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,613.61	146.10
08 38 19 00-0455 EA 56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,639.96	148.63
08 38 19 00-0456 EA 60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,671.90	152.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0457	EA		64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,715.38	158.79
08 38 19 00-0458	EA		72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,742.88	165.15
08 38 19 00-0459	EA		80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,801.10	166.42
08 38 19 00-0460	EA		84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,840.34	168.32
08 38 19 00-0461	EA		88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,887.78	171.50
08 38 19 00-0462			96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0463	EA		48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,651.19	146.10
08 38 19 00-0464	EA		56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,672.58	148.63
08 38 19 00-0465	EA		60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,716.17	152.44
08 38 19 00-0466	EA		64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,749.46	158.79
08 38 19 00-0467	EA		72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,788.62	165.15
08 38 19 00-0468	EA		80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,853.89	166.42
08 38 19 00-0469	EA		84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,889.05	168.32
08 38 19 00-0470	EA		88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,929.99	171.50

08 40 Entrances, Storefronts, and Curtain Walls (08)

08 42 Entrances (08 40)

08 42 13 Aluminum-Framed Entrances (08 42)

08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2087 for exit device, 08 71 11 00-2236 for closer.

08 42 13 00-0002	EA		3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	5,652.43	752.42
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	502.20	
			For Black Finish, Add	1,442.37	
			For 8' High Door, Add	520.30	
			For 10' High Door, Add	1,131.09	
			For 1" Insulated Glazing, Add	138.92	
08 42 13 00-0003	EA		3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	5,794.55	826.87
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	505.46	
			For Black Finish, Add	1,451.71	
			For 8' High Door, Add	523.67	
			For 10' High Door, Add	1,138.42	
			For 1" Insulated Glazing, Add	138.92	
08 42 13 00-0004	PR		6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	9,528.02	1,128.41
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	870.16	
			For Black Finish, Add	2,499.17	
			For 8' High Door, Add	901.52	
			For 10' High Door, Add	1,959.82	
			For 1" Insulated Glazing, Add	277.84	
08 42 13 00-0005	PR		7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	11,131.73	1,229.59
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	1,030.27	
			For Black Finish, Add	2,959.01	
			For 8' High Door, Add	1,067.40	
			For 10' High Door, Add	2,320.43	
			For 1" Insulated Glazing, Add	277.84	
08 42 13 00-0006	EA		3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	6,268.09	752.42
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	570.54	
			For Black Finish, Add	1,638.64	
			For 8' High Door, Add	591.10	
			For 10' High Door, Add	1,285.01	
			For 1" Insulated Glazing, Add	138.92	
08 42 13 00-0007	EA		3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	6,448.33	826.87
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	578.03	
			For Black Finish, Add	1,660.14	
			For 8' High Door, Add	598.86	
			For 10' High Door, Add	1,301.86	
			For 1" Insulated Glazing, Add	138.92	
08 42 13 00-0008	PR		6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	10,691.92	1,128.41
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	999.35	
			For Black Finish, Add	2,870.22	
			For 8' High Door, Add	1,035.37	
			For 10' High Door, Add	2,250.80	
			For 1" Insulated Glazing, Add	277.84	
08 42 13 00-0009	PR		7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	12,261.66	1,229.59
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	1,155.69	
			For Black Finish, Add	3,319.23	
			For 8' High Door, Add	1,197.34	
			For 10' High Door, Add	2,602.91	
			For 1" Insulated Glazing, Add	277.84	



Openings	08	08	
Entrances, Storefronts, and Curtain Walls			08 40
			Entrances 08 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 42 26 All-Glass Entrances (08 42)

08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door.....	5,231.57	282.01
		Note: Including Trim And Hardware		
		For Anodized Color, Add	738.63	
		For Stainless Steel, Add	2,667.28	
		For 8' High Door, Add	471.90	
		For 10' High Door, Add	1,025.88	
		For 1" Insulated Glazing, Add	138.92	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2").....	9,359.46	338.43
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,394.63	
		For Stainless Steel, Add	5,036.15	
		For 8' High Door, Add	891.01	
		For 10' High Door, Add	1,936.98	
		For 1" Insulated Glazing, Add	277.84	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door.....	5,970.84	282.01
		Note: Including Trim And Hardware		
		For Anodized Color, Add	871.70	
		For Stainless Steel, Add	3,147.80	
		For 8' High Door, Add	556.92	
		For 10' High Door, Add	1,210.69	
		For 1" Insulated Glazing, Add	138.92	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8").....	10,951.15	338.43
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,681.13	
		For Stainless Steel, Add	6,070.75	
		For 8' High Door, Add	1,074.06	
		For 10' High Door, Add	2,334.91	
		For 1" Insulated Glazing, Add	277.84	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door.....	6,707.21	282.01
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,004.25	
		For Stainless Steel, Add	3,626.44	
		For 8' High Door, Add	641.60	
		For 10' High Door, Add	1,394.79	
		For 1" Insulated Glazing, Add	138.92	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4").....	12,540.25	338.43
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,967.17	
		For Stainless Steel, Add	7,103.67	
		For 8' High Door, Add	1,256.80	
		For 10' High Door, Add	2,732.18	
		For 1" Insulated Glazing, Add	277.84	
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door.....	8,182.82	282.01
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,269.86	
		For Stainless Steel, Add	4,585.59	
		For 8' High Door, Add	811.30	
		For 10' High Door, Add	1,763.69	
		For 1" Insulated Glazing, Add	138.92	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1").....	15,721.02	338.43
		Note: Including Trim And Hardware		
		For Anodized Color, Add	2,539.71	
		For Stainless Steel, Add	9,171.17	
		For 8' High Door, Add	1,622.59	
		For 10' High Door, Add	3,527.37	
		For 1" Insulated Glazing, Add	277.84	

08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)

08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	27.59	3.38
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	35.74	4.51

08 42 29 Automatic Entrances (08 42)

08 42 29 23 Sliding Automatic Entrances (08 42 29)

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,594.77	112.80
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	177.69	
		For Emergency Egress On All Panels, Add	473.83	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,885.77	152.29
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	193.59	
		For Emergency Egress On All Panels, Add	516.24	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,139.51 210.08 560.22	169.21
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,386.16 226.04 602.78	186.13
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,447.61 299.73 799.28	225.61
08 42 29 23-0008 EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,620.91 306.80 818.14	265.09
08 42 29 23-0009 EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,173.32 417.31 1,112.83	304.58
08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001) Note: Bi-parting.		
08 42 29 23-0011 EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,200.57 347.74 927.31	282.01
08 42 29 23-0012 EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,702.25 381.14 1,016.36	310.22
08 42 29 23-0013 EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,203.92 414.53 1,105.42	338.43
08 42 29 23-0014 EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,497.74 507.34 1,352.90	366.63
08 42 29 23-0015 EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,791.56 600.14 1,600.38	394.72
08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Single sliding.		
08 42 29 23-0018 EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,371.57 160.95 429.19	112.80
08 42 29 23-0019 EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,642.61 175.35 467.61	152.29
08 42 29 23-0020 EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,871.53 189.98 506.62	169.21
08 42 29 23-0021 EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,102.22 204.75 545.99	186.13
08 42 29 23-0022 EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,071.14 271.49 723.98	225.61
08 42 29 23-0023 EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,235.53 277.90 741.07	265.09
08 42 29 23-0024 EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,649.18 378.00 1,008.00	304.58
08 42 29 23-0025 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0026 EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,763.79 314.98 839.95	282.01
08 42 29 23-0027 EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,223.51 345.23 920.61	310.22
08 42 29 23-0028 EA 16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,683.21 375.48 1,001.27	338.43
08 42 29 23-0029 EA 18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,860.48 459.54 1,225.45	366.63
08 42 29 23-0030 EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,037.76 543.61 1,449.62	394.72
08 42 29 23-0031 Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0032 2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031)		
Note: Single sliding.		
08 42 29 23-0033 EA 5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	2,972.01	112.80
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0034 EA 6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	3,296.79	152.29
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0035 EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	3,832.22	169.21
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0036 EA 8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	4,398.08	186.13
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0037 EA 10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	5,083.99	225.61
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0038 EA 12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	5,272.28	265.09
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0039 EA 15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	7,059.38	304.58
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0040 4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031)		
Note: Bi-parting.		
08 42 29 23-0041 EA 12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	5,938.88	282.01
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0042 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	6,511.44	310.22
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0043 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	7,083.99	338.43
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0044 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	8,574.88	366.63
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0045 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance.....	10,065.78	394.83
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add		
For Emergency Egress On All Panels, Add		
08 42 29 23-0046 Accessories For Sliding Automatic Entrances (08 42 29 23)		
See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls.....	6,663.88	1,270.36
Note: Includes motor for pair of sliding doors (2 panels).		
08 42 29 23-0048 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls.....	11,126.36	1,905.54
Note: Includes motor for pair of sliding doors (4 panel).		
08 42 29 33 Swinging Automatic Entrances (08 42 29)		
Note: Excludes glazing.		
08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33)		
Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel	4,897.29	769.11
Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	8,257.29	1,025.53
Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel	4,058.91	615.28
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	7,194.08	922.93
08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	410.15	61.53
Note: Includes wiring harness and relays.		
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS).....	369.45	61.53
Note: Includes wiring harness and relays.		
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38).....	372.69	61.53
Note: Includes wiring harness and relays.		
08 42 29 33-0010 EA 4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H).....	227.68	61.53
Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011 EA 1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H).....	242.87	61.53
Note: Excludes wiring from operator to push button.		
08 42 29 33-0012 EA 1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425).....	158.80	61.53
Note: Excludes wiring from operator to push button.		
08 42 29 33-0013 EA Radio Control System For Door Operator (MS Sedco Clearpath)	734.83	153.82
Note: Includes receiver and two push plate transmitters.		
For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct -64.00		

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 33-0014 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision).....	841.32	76.91
Note: Includes wiring harness and relays.		
08 42 29 33-0015 EA Guard Rail For Door With Operator	298.80	76.91
08 42 33 Revolving Door Entrances (08 42)		
08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0002 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	37,635.69	6,556.13
For Automatic Controls, Add	8,455.90	
For Powder Coated, Add	1,380.94	
08 42 33 00-0003 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	51,282.73	9,834.33
For Automatic Controls, Add	10,258.85	
For Powder Coated, Add	1,735.31	
08 42 33 00-0004 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	76,714.44	11,801.14
For Automatic Controls, Add	11,340.62	
For Powder Coated, Add	3,068.75	
08 42 33 00-0005 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	41,855.28	7,211.68
For Automatic Controls, Add	8,823.85	
For Powder Coated, Add	1,546.50	
08 42 33 00-0006 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	56,718.51	10,818.10
For Automatic Controls, Add	10,750.57	
For Powder Coated, Add	1,943.35	
08 42 33 00-0007 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	85,652.73	12,981.25
For Automatic Controls, Add	12,061.81	
For Powder Coated, Add	3,436.67	
08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0009 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	38,551.10	6,556.13
For Automatic Controls, Add	8,455.90	
08 42 33 00-0010 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	52,433.05	9,834.33
For Automatic Controls, Add	10,258.85	
08 42 33 00-0011 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	78,748.69	11,801.14
For Automatic Controls, Add	11,340.62	
08 42 33 00-0012 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	42,882.88	7,211.68
For Automatic Controls, Add	8,823.85	
08 42 33 00-0013 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	58,009.80	10,818.10
For Automatic Controls, Add	10,750.57	
08 42 33 00-0014 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	87,936.29	12,981.25
For Automatic Controls, Add	12,061.81	
08 42 33 00-0015 Bronze Revolving Doors (08 42 33)		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0016 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	35,322.79	6,556.13
For Automatic Controls, Add	8,455.90	
08 42 33 00-0017 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	48,376.31	9,834.33
For Automatic Controls, Add	10,258.85	
08 42 33 00-0018 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	71,574.65	11,801.14
For Automatic Controls, Add	11,340.62	
08 42 33 00-0019 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	39,267.17	7,211.68
For Automatic Controls, Add	8,823.85	
08 42 33 00-0020 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	53,466.25	10,818.10
For Automatic Controls, Add	10,750.57	
08 42 33 00-0021 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	79,901.37	12,981.25
For Automatic Controls, Add	12,061.81	
08 42 36 Balanced Door Entrances (08 42)		
08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)		
Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002 EA 2'-6" x 7'-0" Balanced Door, Stainless Steel	18,950.79	344.78
For Bronze Instead Of Stainless Steel, Deduct	-4,522.15	
For 70% Fluoropolymer Exterior Finish (Duranar), Add	1,808.86	
For Tinted Glass, Add	904.43	
For Aluminum, Painted Finish, Deduct	-5,426.58	
08 42 36 00-0003 EA 3'-0" x 7'-0" Balanced Door, Stainless Steel	19,685.37	344.78
For Bronze Instead Of Stainless Steel, Deduct	-4,705.79	
For 70% Fluoropolymer Exterior Finish (Duranar), Add	1,882.32	
For Tinted Glass, Add	941.16	
For Aluminum, Painted Finish, Deduct	-5,646.95	
08 42 36 00-0004 EA 3'-6" x 7'-0" Balanced Door, Stainless Steel	21,469.46	344.78
For Bronze Instead Of Stainless Steel, Deduct	-5,151.82	
For 70% Fluoropolymer Exterior Finish (Duranar), Add	2,060.73	
For Tinted Glass, Add	1,030.36	
For Aluminum, Painted Finish, Deduct	-6,182.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 36 00-0005 EA 4'-0" x 7'-0" Balanced Door, Stainless Steel <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	23,568.45 -5,676.56 2,270.63 1,135.31 -6,811.88	344.78
08 42 36 00-0006 PR Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	39,284.57 -9,411.60 3,764.64 1,882.32 -11,293.91	655.27

08 43 Storefronts (08 40)

08 43 13 Aluminum-Framed Storefronts (08 43)

08 43 13 00-0001 Aluminum Storefront Framing Assembly (08 43 13)

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0002 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.

08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003 SF 5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	28.20 0.94 2.82	8.28
08 43 13 00-0004 SF 6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.33 0.84 2.53	7.45
08 43 13 00-0005 SF 7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.29 0.77 2.32	6.87
08 43 13 00-0006 SF 8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.77 0.72 2.16	6.43
08 43 13 00-0007 SF 9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	20.58 0.68 2.04	6.09
08 43 13 00-0008 SF 10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	19.63 0.65 1.95	5.82
08 43 13 00-0009 SF 11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.84 0.62 1.87	5.60
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.20 0.60 1.80	5.40

08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	36.79 1.23 3.68	10.83
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	32.46 1.08 3.24	9.59
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	29.49 0.98 2.93	8.68
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	27.20 0.90 2.70	8.01
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.40 0.84 2.52	7.44
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.93 0.79 2.38	7.11
08 43 13 00-0018 SF 11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	22.81 0.75 2.26	6.77

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0019	SF		12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.81	6.43
			<i>For Various Color Class I Anodized Finish, Add</i>	0.72	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.16	
08 43 13 00-0020			1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF		5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	45.41	13.32
			<i>For Various Color Class I Anodized Finish, Add</i>	1.51	
			<i>For Black Color Class I Anodized Finish, Add</i>	4.54	
08 43 13 00-0022	SF		6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	39.72	11.62
			<i>For Various Color Class I Anodized Finish, Add</i>	1.32	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.96	
08 43 13 00-0023	SF		7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.62	10.49
			<i>For Various Color Class I Anodized Finish, Add</i>	1.18	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.55	
08 43 13 00-0024	SF		8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.55	9.59
			<i>For Various Color Class I Anodized Finish, Add</i>	1.08	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.24	
08 43 13 00-0025	SF		9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.10	8.91
			<i>For Various Color Class I Anodized Finish, Add</i>	1.00	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.00	
08 43 13 00-0026	SF		10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.23	8.35
			<i>For Various Color Class I Anodized Finish, Add</i>	0.94	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.81	
08 43 13 00-0027	SF		11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.69	7.90
			<i>For Various Color Class I Anodized Finish, Add</i>	0.88	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.65	
08 43 13 00-0028	SF		12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.39	7.55
			<i>For Various Color Class I Anodized Finish, Add</i>	0.84	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.52	
08 43 13 00-0029			2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF		5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.07	8.68
			<i>For Various Color Class I Anodized Finish, Add</i>	0.96	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.88	
08 43 13 00-0031	SF		6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.13	7.79
			<i>For Various Color Class I Anodized Finish, Add</i>	0.86	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.57	
08 43 13 00-0032	SF		7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.91	7.22
			<i>For Various Color Class I Anodized Finish, Add</i>	0.78	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.35	
08 43 13 00-0033	SF		8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.32	6.77
			<i>For Various Color Class I Anodized Finish, Add</i>	0.73	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.19	
08 43 13 00-0034	SF		9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.05	6.32
			<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.06	
08 43 13 00-0035	SF		10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.15	6.09
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.96	
08 43 13 00-0036	SF		11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.23	5.86
			<i>For Various Color Class I Anodized Finish, Add</i>	0.63	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.88	
08 43 13 00-0037	SF		12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.62	5.64
			<i>For Various Color Class I Anodized Finish, Add</i>	0.60	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.81	
08 43 13 00-0038			2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0039	SF		5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.60	11.73
			<i>For Various Color Class I Anodized Finish, Add</i>	1.25	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0040 SF 6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.96	10.37
<i>For Various Color Class I Anodized Finish, Add</i>	1.10	
<i>For Black Color Class I Anodized Finish, Add</i>	3.29	
08 43 13 00-0041 SF 7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.71	9.37
<i>For Various Color Class I Anodized Finish, Add</i>	0.99	
<i>For Black Color Class I Anodized Finish, Add</i>	2.97	
08 43 13 00-0042 SF 8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.24	8.68
<i>For Various Color Class I Anodized Finish, Add</i>	0.91	
<i>For Black Color Class I Anodized Finish, Add</i>	2.73	
08 43 13 00-0043 SF 9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.42	8.12
<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
<i>For Black Color Class I Anodized Finish, Add</i>	2.54	
08 43 13 00-0044 SF 10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.79	7.67
<i>For Various Color Class I Anodized Finish, Add</i>	0.80	
<i>For Black Color Class I Anodized Finish, Add</i>	2.39	
08 43 13 00-0045 SF 11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.55	7.22
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.27	
08 43 13 00-0046 SF 12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.53	6.88
<i>For Various Color Class I Anodized Finish, Add</i>	0.72	
<i>For Black Color Class I Anodized Finish, Add</i>	2.17	
 08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0048 SF 5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	46.65	13.99
<i>For Various Color Class I Anodized Finish, Add</i>	1.53	
<i>For Black Color Class I Anodized Finish, Add</i>	4.60	
08 43 13 00-0049 SF 6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	40.77	12.19
<i>For Various Color Class I Anodized Finish, Add</i>	1.34	
<i>For Black Color Class I Anodized Finish, Add</i>	4.01	
08 43 13 00-0050 SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.50	10.94
<i>For Various Color Class I Anodized Finish, Add</i>	1.20	
<i>For Black Color Class I Anodized Finish, Add</i>	3.59	
08 43 13 00-0051 SF 8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.38	10.04
<i>For Various Color Class I Anodized Finish, Add</i>	1.09	
<i>For Black Color Class I Anodized Finish, Add</i>	3.27	
08 43 13 00-0052 SF 9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.88	9.25
<i>For Various Color Class I Anodized Finish, Add</i>	1.01	
<i>For Black Color Class I Anodized Finish, Add</i>	3.02	
08 43 13 00-0053 SF 10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.87	8.68
<i>For Various Color Class I Anodized Finish, Add</i>	0.94	
<i>For Black Color Class I Anodized Finish, Add</i>	2.82	
08 43 13 00-0054 SF 11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.31	8.24
<i>For Various Color Class I Anodized Finish, Add</i>	0.89	
<i>For Black Color Class I Anodized Finish, Add</i>	2.66	
08 43 13 00-0055 SF 12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.88	7.90
<i>For Various Color Class I Anodized Finish, Add</i>	0.84	
<i>For Black Color Class I Anodized Finish, Add</i>	2.53	
 08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0057 SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.97	8.91
<i>For Various Color Class I Anodized Finish, Add</i>	1.35	
<i>For Black Color Class I Anodized Finish, Add</i>	4.06	
08 43 13 00-0058 SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.35	8.01
<i>For Various Color Class I Anodized Finish, Add</i>	1.22	
<i>For Black Color Class I Anodized Finish, Add</i>	3.65	
08 43 13 00-0059 SF 7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.83	7.33
<i>For Various Color Class I Anodized Finish, Add</i>	1.12	
<i>For Black Color Class I Anodized Finish, Add</i>	3.36	
08 43 13 00-0060 SF 8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.93	6.88
<i>For Various Color Class I Anodized Finish, Add</i>	1.05	
<i>For Black Color Class I Anodized Finish, Add</i>	3.14	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0061 SF 9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.43	6.55
For Various Color Class I Anodized Finish, Add	0.99	
For Black Color Class I Anodized Finish, Add	2.97	
08 43 13 00-0062 SF 10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.22	6.20
For Various Color Class I Anodized Finish, Add	0.94	
For Black Color Class I Anodized Finish, Add	2.83	
08 43 13 00-0063 SF 11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.27	5.98
For Various Color Class I Anodized Finish, Add	0.91	
For Black Color Class I Anodized Finish, Add	2.72	
08 43 13 00-0064 SF 12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.41	5.75
For Various Color Class I Anodized Finish, Add	0.88	
For Black Color Class I Anodized Finish, Add	2.63	
08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066 SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	47.52	11.96
For Various Color Class I Anodized Finish, Add	1.76	
For Black Color Class I Anodized Finish, Add	5.28	
08 43 13 00-0067 SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	41.97	10.61
For Various Color Class I Anodized Finish, Add	1.56	
For Black Color Class I Anodized Finish, Add	4.67	
08 43 13 00-0068 SF 7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.08	9.59
For Various Color Class I Anodized Finish, Add	1.41	
For Black Color Class I Anodized Finish, Add	4.24	
08 43 13 00-0069 SF 8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.13	8.80
For Various Color Class I Anodized Finish, Add	1.30	
For Black Color Class I Anodized Finish, Add	3.91	
08 43 13 00-0070 SF 9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.81	8.24
For Various Color Class I Anodized Finish, Add	1.22	
For Black Color Class I Anodized Finish, Add	3.65	
08 43 13 00-0071 SF 10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.99	7.79
For Various Color Class I Anodized Finish, Add	1.15	
For Black Color Class I Anodized Finish, Add	3.45	
08 43 13 00-0072 SF 11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.50	7.44
For Various Color Class I Anodized Finish, Add	1.09	
For Black Color Class I Anodized Finish, Add	3.28	
08 43 13 00-0073 SF 12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.17	7.11
For Various Color Class I Anodized Finish, Add	1.05	
For Black Color Class I Anodized Finish, Add	3.14	
08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075 SF 5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	57.26	13.99
For Various Color Class I Anodized Finish, Add	2.17	
For Black Color Class I Anodized Finish, Add	6.51	
08 43 13 00-0076 SF 6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	50.35	12.41
For Various Color Class I Anodized Finish, Add	1.90	
For Black Color Class I Anodized Finish, Add	5.69	
08 43 13 00-0077 SF 7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	45.20	11.17
For Various Color Class I Anodized Finish, Add	1.70	
For Black Color Class I Anodized Finish, Add	5.11	
08 43 13 00-0078 SF 8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	41.41	10.15
For Various Color Class I Anodized Finish, Add	1.56	
For Black Color Class I Anodized Finish, Add	4.67	
08 43 13 00-0079 SF 9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.39	9.48
For Various Color Class I Anodized Finish, Add	1.44	
For Black Color Class I Anodized Finish, Add	4.33	
08 43 13 00-0080 SF 10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.99	8.91
For Various Color Class I Anodized Finish, Add	1.35	
For Black Color Class I Anodized Finish, Add	4.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0081 SF 11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.95	8.35
<i>For Various Color Class I Anodized Finish, Add</i>	1.28	
<i>For Black Color Class I Anodized Finish, Add</i>	3.84	
08 43 13 00-0082 SF 12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.36	8.01
<i>For Various Color Class I Anodized Finish, Add</i>	1.22	
<i>For Black Color Class I Anodized Finish, Add</i>	3.65	
08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
08 43 13 00-0084 LF For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	36.71	7.50
08 43 13 00-0085 LF For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	41.82	8.26
08 43 13 00-0086 LF For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	63.74	9.08
08 43 19 Stainless-Steel-Framed Storefronts (08 43)		
08 43 19 00-0001 Stainless Steel Storefront Framing Assembly (08 43 19)		
Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002 SF Stainless Steel Storefront Framing Assembly.....	55.45	5.64
<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	4.69	
08 44 Curtain Wall and Glazed Assemblies (08 40)		
08 44 13 Glazed Aluminum Curtain Walls (08 44)		
08 44 13 00-0001 Curtain Walls (08 44 13)		
08 44 13 00-0002 Coping Sections (08 44 13 00-0001)		
08 44 13 00-0003 LF Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	69.83	3.38
<i>For Bronze Anodized Aluminum, Add</i>	7.51	
<i>For Stainless Steel, Add</i>	31.01	
<i>For Black Anodized Finish, Add</i>	13.51	
08 44 13 00-0004 LF Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	72.50	3.38
<i>For Bronze Anodized Aluminum, Add</i>	7.91	
<i>For Stainless Steel, Add</i>	32.62	
<i>For Black Anodized Finish, Add</i>	14.23	
08 44 13 00-0005 LF Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	87.21	4.51
<i>For Bronze Anodized Aluminum, Add</i>	9.38	
<i>For Stainless Steel, Add</i>	38.76	
<i>For Black Anodized Finish, Add</i>	16.89	
08 44 13 00-0006 Sill Section (08 44 13 00-0001)		
08 44 13 00-0007 LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section.....	54.17	2.26
<i>For Bronze Anodized Aluminum, Add</i>	6.04	
<i>For Stainless Steel, Add</i>	24.84	
<i>For Black Anodized Finish, Add</i>	10.86	
08 44 13 00-0008 LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....	58.46	2.26
<i>For Bronze Anodized Aluminum, Add</i>	6.68	
<i>For Stainless Steel, Add</i>	27.41	
<i>For Black Anodized Finish, Add</i>	12.02	
08 44 13 00-0009 LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section.....	62.81	2.26
<i>For Bronze Anodized Aluminum, Add</i>	7.33	
<i>For Stainless Steel, Add</i>	30.02	
<i>For Black Anodized Finish, Add</i>	13.20	
08 44 13 00-0010 Aluminum Column Covers (08 44 13 00-0001)		
Note: Includes all clips and fasteners.		
08 44 13 00-0011 LF Aluminum Column Covers, 1/8" x 26", Shaped.....	141.08	5.64
<i>For Bronze Anodized Aluminum, Add</i>	16.40	
<i>For Stainless Steel, Add</i>	67.17	
<i>For Black Anodized Finish, Add</i>	29.51	
08 44 13 00-0012 LF Aluminum Column Covers, 1/8" x 34", Shaped.....	173.22	5.64
<i>For Bronze Anodized Aluminum, Add</i>	20.93	
<i>For Stainless Steel, Add</i>	85.41	
<i>For Black Anodized Finish, Add</i>	37.68	
08 44 13 00-0013 LF Aluminum Column Covers, 1/8" x 38", Shaped.....	185.60	5.64
<i>For Bronze Anodized Aluminum, Add</i>	22.79	
<i>For Stainless Steel, Add</i>	92.84	
<i>For Black Anodized Finish, Add</i>	41.02	
08 44 13 00-0014 Spandrel Covers (08 44 13 00-0001)		
Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015 SF 1" Spandrel Cover, Aluminum Both Faces.....	56.89	2.26
<i>For Bronze Anodized Aluminum, Add</i>	7.11	
<i>For Stainless Steel, Add</i>	28.92	
<i>For Black Anodized Finish, Add</i>	12.80	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0016 SF 1" Spandrel Cover, Aluminum Exterior Face.....	49.85	2.26
For Bronze Anodized Aluminum, Add	6.06	
For Stainless Steel, Add	24.70	
For Black Anodized Finish, Add	10.90	
08 44 13 00-0017 SF 1" Spandrel Cover, Epoxy Both Faces.....	108.10	2.26
For Bronze Anodized Aluminum, Add	14.79	
For Stainless Steel, Add	59.65	
For Black Anodized Finish, Add	26.63	
08 44 13 00-0018 SF 1" Spandrel Cover, Epoxy Exterior Face Only.....	88.26	2.26
For Bronze Anodized Aluminum, Add	11.82	
For Stainless Steel, Add	47.74	
For Black Anodized Finish, Add	21.27	
08 44 13 00-0019 SF 2" Spandrel Cover, Aluminum Both Faces.....	63.94	2.26
For Bronze Anodized Aluminum, Add	7.80	
For Stainless Steel, Add	31.80	
For Black Anodized Finish, Add	14.04	
08 44 13 00-0020 SF 2" Spandrel Cover, Aluminum Exterior Face.....	57.28	2.26
For Bronze Anodized Aluminum, Add	6.80	
For Stainless Steel, Add	27.80	
For Black Anodized Finish, Add	12.24	
08 44 13 00-0021 SF 2" Spandrel Cover, Epoxy Both Faces.....	123.54	2.26
For Bronze Anodized Aluminum, Add	16.74	
For Stainless Steel, Add	67.56	
For Black Anodized Finish, Add	30.13	
08 44 13 00-0022 SF 2" Spandrel Cover, Epoxy Exterior Face Only.....	100.66	2.26
For Bronze Anodized Aluminum, Add	13.37	
For Stainless Steel, Add	53.83	
For Black Anodized Finish, Add	23.95	
08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections <small>(08 44 13 00-0001)</small>		
Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024 LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	77.17	2.26
For Bronze Anodized Aluminum, Add	10.23	
For Stainless Steel, Add	41.38	
For Black Anodized Finish, Add	18.42	
08 44 13 00-0025 LF Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	77.00	2.26
For Bronze Anodized Aluminum, Add	10.23	
For Stainless Steel, Add	41.37	
For Black Anodized Finish, Add	18.42	
08 44 13 00-0026 LF Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls.....	77.00	2.26
For Bronze Anodized Aluminum, Add	10.23	
For Stainless Steel, Add	41.37	
For Black Anodized Finish, Add	18.42	
For Corner Mullion, Add	18.37	
08 44 13 00-0027 LF Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	95.06	4.51
For Bronze Anodized Aluminum, Add	12.23	
For Stainless Steel, Add	49.59	
For Black Anodized Finish, Add	22.01	
08 44 13 00-0028 LF Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	95.06	4.51
For Bronze Anodized Aluminum, Add	12.23	
For Stainless Steel, Add	49.59	
For Black Anodized Finish, Add	22.01	
08 44 13 00-0029 LF Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls.....	95.06	4.51
For Bronze Anodized Aluminum, Add	12.23	
For Stainless Steel, Add	49.59	
For Black Anodized Finish, Add	22.01	
For Corner Mullion, Add	22.41	
08 44 13 00-0030 LF Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	104.38	4.97
For Bronze Anodized Aluminum, Add	13.40	
For Stainless Steel, Add	54.36	
For Black Anodized Finish, Add	24.12	
08 44 13 00-0031 LF Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	104.38	4.97
For Bronze Anodized Aluminum, Add	13.40	
For Stainless Steel, Add	54.36	
For Black Anodized Finish, Add	24.12	
08 44 13 00-0032 LF Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls.....	104.38	4.97
For Bronze Anodized Aluminum, Add	13.40	
For Stainless Steel, Add	54.36	
For Black Anodized Finish, Add	24.12	
For Corner Mullion, Add	24.59	
08 44 13 00-0033 LF Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	113.91	5.64
For Bronze Anodized Aluminum, Add	14.58	
For Stainless Steel, Add	59.16	
For Black Anodized Finish, Add	26.24	
08 44 13 00-0034 LF Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls.....	113.91	5.64
For Bronze Anodized Aluminum, Add	14.58	
For Stainless Steel, Add	59.16	
For Black Anodized Finish, Add	26.24	
08 44 13 00-0035 LF Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls.....	113.91	5.64
For Bronze Anodized Aluminum, Add	14.58	
For Stainless Steel, Add	59.16	
For Black Anodized Finish, Add	26.24	
For Corner Mullion, Add	26.81	



Openings	08
Entrances, Storefronts, and Curtain Walls	08 40
Curtain Wall and Glazed Assemblies	08 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0036	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	127.87	6.09
			<i>For Bronze Anodized Aluminum, Add</i>	16.44	
			<i>For Stainless Steel, Add</i>	66.69	
			<i>For Black Anodized Finish, Add</i>	29.60	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	127.87	6.09
			<i>For Bronze Anodized Aluminum, Add</i>	16.44	
			<i>For Stainless Steel, Add</i>	66.69	
			<i>For Black Anodized Finish, Add</i>	29.60	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	127.87	6.09
			<i>For Bronze Anodized Aluminum, Add</i>	16.44	
			<i>For Stainless Steel, Add</i>	66.69	
			<i>For Black Anodized Finish, Add</i>	29.60	
			<i>For Corner Mullion, Add</i>	30.14	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	146.80	6.77
			<i>For Bronze Anodized Aluminum, Add</i>	18.88	
			<i>For Stainless Steel, Add</i>	76.57	
			<i>For Black Anodized Finish, Add</i>	33.98	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	146.80	6.77
			<i>For Bronze Anodized Aluminum, Add</i>	18.88	
			<i>For Stainless Steel, Add</i>	76.57	
			<i>For Black Anodized Finish, Add</i>	33.98	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	146.80	6.77
			<i>For Bronze Anodized Aluminum, Add</i>	18.88	
			<i>For Stainless Steel, Add</i>	76.57	
			<i>For Black Anodized Finish, Add</i>	33.98	
			<i>For Corner Mullion, Add</i>	34.61	

08 44 26 Structural Glass Curtain Walls (08 44)

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls (08 44 26)

08 44 26 16-0001 Centria Exterior Closure Components (08 44 26 16)

08 44 26 16-0002	SF		Centria CS-260, 210 Single Skin Metal Panel.....	67.86	20.18
			Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.		
08 44 26 16-0003	SF		Centria Formawall Insulated Metal Panels	111.18	16.81
			Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.		
08 44 26 16-0004	LF		Centria Formawall Insulated Metal Panels Radius Column	182.80	28.03
			Note: Includes radius coping.		
08 44 26 16-0005	LF		Centria Formawall Insulated Metal Panels Coping	36.56	5.60
08 44 26 16-0006	SF		Centria Formawavue 3000 Thru Tube Window System Without Glass	127.75	26.90
			Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.		
08 44 26 16-0007	SF		Centria Formawavue 3000 Insulated Vision Units.....	23.59	
			Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.		
08 44 26 16-0008	SF		Centria Formawavue 3000 Insulated Silkscreen Pattern Units.....	45.63	
			Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.		
08 44 26 16-0009	LF		Centria Integrated Louver System	282.25	16.81
			Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.		
08 44 26 16-0010	LF		Centria Integrated Sunshade System	1,305.78	118.82
			Note: Factory installed 70% Mica Kynar two coat finish.		

08 44 26 16-0011 Kalwall Exterior Closure Components (08 44 26 16)

08 44 26 16-0012	SF		Kalwall Translucent Panel System Standard	157.83	22.41
			Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.		
08 44 26 16-0013	SF		Kalwall Translucent Panel System High Impact.....	164.35	22.41
08 44 26 16-0014	EA		Wind Clips	380.27	
			Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.		
08 44 26 16-0015	EA		Sill Angle With Welded Support Angles For The Kalwall System	443.65	
			Note: Includes all welding, fasteners, prep, and clean up.		
08 44 26 16-0016	EA		Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5").....	20.28	
08 44 26 16-0017	EA		Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	88.73	

08 45 Translucent Wall and Roof Assemblies (08 40)

08 45 23 Fiberglass-Sandwich-Panel Assemblies (08 45)

08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)

08 45 23 00-0002	SF		<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	130.17	6.97
			<i>For Aluminum Frame, Add</i>	11.97	
08 45 23 00-0003	SF		>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	119.18	5.94
			<i>For Aluminum Frame, Add</i>	11.03	

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08	08	Openings
	08 50	Windows
	08 51	Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

08 51 Metal Windows (08 50)

08 51 13 Aluminum Windows (08 51)

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	562.02	121.96
		For 50% Fluoropolymer Finish (Acrynar), Add	7.18	
		For 70% Fluoropolymer Finish (Duramar), Add	21.53	
		For Clear Anodized Finish, Add	17.94	
		For Color Anodized Finish, Add	25.11	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	630.10	129.58
		For 50% Fluoropolymer Finish (Acrynar), Add	8.28	
		For 70% Fluoropolymer Finish (Duramar), Add	24.85	
		For Clear Anodized Finish, Add	20.71	
		For Color Anodized Finish, Add	28.99	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	688.56	137.20
		For 50% Fluoropolymer Finish (Acrynar), Add	9.20	
		For 70% Fluoropolymer Finish (Duramar), Add	27.59	
		For Clear Anodized Finish, Add	22.99	
		For Color Anodized Finish, Add	32.19	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	737.37	144.82
		For 50% Fluoropolymer Finish (Acrynar), Add	9.92	
		For 70% Fluoropolymer Finish (Duramar), Add	29.76	
		For Clear Anodized Finish, Add	24.80	
		For Color Anodized Finish, Add	34.72	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	843.98	152.44
		For 50% Fluoropolymer Finish (Acrynar), Add	11.80	
		For 70% Fluoropolymer Finish (Duramar), Add	35.39	
		For Clear Anodized Finish, Add	29.50	
		For Color Anodized Finish, Add	41.29	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	27.30	4.58
		For 50% Fluoropolymer Finish (Acrynar), Add	0.39	
		For 70% Fluoropolymer Finish (Duramar), Add	1.18	
		For Clear Anodized Finish, Add	0.98	
		For Color Anodized Finish, Add	1.38	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	817.25	121.96
		For 50% Fluoropolymer Finish (Acrynar), Add	12.28	
		For 70% Fluoropolymer Finish (Duramar), Add	36.84	
		For Clear Anodized Finish, Add	30.70	
		For Color Anodized Finish, Add	42.98	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	907.00	129.58
		For 50% Fluoropolymer Finish (Acrynar), Add	13.82	
		For 70% Fluoropolymer Finish (Duramar), Add	41.46	
		For Clear Anodized Finish, Add	34.55	
		For Color Anodized Finish, Add	48.37	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	982.31	137.20
		For 50% Fluoropolymer Finish (Acrynar), Add	15.07	
		For 70% Fluoropolymer Finish (Duramar), Add	45.22	
		For Clear Anodized Finish, Add	37.68	
		For Color Anodized Finish, Add	52.75	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,055.20	144.82
		For 50% Fluoropolymer Finish (Acrynar), Add	16.28	
		For 70% Fluoropolymer Finish (Duramar), Add	48.83	
		For Clear Anodized Finish, Add	40.69	
		For Color Anodized Finish, Add	56.97	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,248.49	152.44
		For 50% Fluoropolymer Finish (Acrynar), Add	19.89	
		For 70% Fluoropolymer Finish (Duramar), Add	59.67	
		For Clear Anodized Finish, Add	49.72	
		For Color Anodized Finish, Add	69.61	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	40.79	4.58
		For 50% Fluoropolymer Finish (Acrynar), Add	0.66	
		For 70% Fluoropolymer Finish (Duramar), Add	1.99	
		For Clear Anodized Finish, Add	1.66	
		For Color Anodized Finish, Add	2.32	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	860.59	121.96
		For 50% Fluoropolymer Finish (Acrynar), Add	13.15	
		For 70% Fluoropolymer Finish (Duramar), Add	39.44	
		For Clear Anodized Finish, Add	32.87	
		For Color Anodized Finish, Add	46.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0019 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	967.19	129.58
For 50% Fluoropolymer Finish (Acrynar), Add	15.02	
For 70% Fluoropolymer Finish (Duramar), Add	45.07	
For Clear Anodized Finish, Add	37.56	
For Color Anodized Finish, Add	52.59	
08 51 13 00-0020 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,054.54	137.20
For 50% Fluoropolymer Finish (Acrynar), Add	16.52	
For 70% Fluoropolymer Finish (Duramar), Add	49.55	
For Clear Anodized Finish, Add	41.29	
For Color Anodized Finish, Add	57.81	
08 51 13 00-0021 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,139.48	144.82
For 50% Fluoropolymer Finish (Acrynar), Add	17.96	
For 70% Fluoropolymer Finish (Duramar), Add	53.89	
For Clear Anodized Finish, Add	44.91	
For Color Anodized Finish, Add	62.87	
08 51 13 00-0022 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,352.02	152.44
For 50% Fluoropolymer Finish (Acrynar), Add	21.96	
For 70% Fluoropolymer Finish (Duramar), Add	65.88	
For Clear Anodized Finish, Add	54.90	
For Color Anodized Finish, Add	76.86	
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	44.23	4.58
For 50% Fluoropolymer Finish (Acrynar), Add	0.73	
For 70% Fluoropolymer Finish (Duramar), Add	2.20	
For Clear Anodized Finish, Add	1.83	
For Color Anodized Finish, Add	2.56	
08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)		
08 51 13 00-0025 EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	942.45	121.96
For 50% Fluoropolymer Finish (Acrynar), Add	14.78	
For 70% Fluoropolymer Finish (Duramar), Add	44.35	
For Clear Anodized Finish, Add	36.96	
For Color Anodized Finish, Add	51.74	
08 51 13 00-0026 EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,080.36	129.58
For 50% Fluoropolymer Finish (Acrynar), Add	17.29	
For 70% Fluoropolymer Finish (Duramar), Add	51.86	
For Clear Anodized Finish, Add	43.22	
For Color Anodized Finish, Add	60.51	
08 51 13 00-0027 EA >10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,170.12	137.20
For 50% Fluoropolymer Finish (Acrynar), Add	18.83	
For 70% Fluoropolymer Finish (Duramar), Add	56.49	
For Clear Anodized Finish, Add	47.07	
For Color Anodized Finish, Add	65.90	
08 51 13 00-0028 EA >15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,255.05	144.82
For 50% Fluoropolymer Finish (Acrynar), Add	20.27	
For 70% Fluoropolymer Finish (Duramar), Add	60.82	
For Clear Anodized Finish, Add	50.68	
For Color Anodized Finish, Add	70.96	
08 51 13 00-0029 EA >20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,450.74	152.44
For 50% Fluoropolymer Finish (Acrynar), Add	23.93	
For 70% Fluoropolymer Finish (Duramar), Add	71.80	
For Clear Anodized Finish, Add	59.83	
For Color Anodized Finish, Add	83.77	
08 51 13 00-0030 SF >30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	47.53	4.58
For 50% Fluoropolymer Finish (Acrynar), Add	0.80	
For 70% Fluoropolymer Finish (Duramar), Add	2.39	
For Clear Anodized Finish, Add	2.00	
For Color Anodized Finish, Add	2.79	
08 51 13 00-0031 Double Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)		
08 51 13 00-0033 EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	627.03	121.96
For 50% Fluoropolymer Finish (Acrynar), Add	8.48	
For 70% Fluoropolymer Finish (Duramar), Add	25.43	
For Clear Anodized Finish, Add	21.19	
For Color Anodized Finish, Add	29.66	
08 51 13 00-0034 EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	692.70	129.58
For 50% Fluoropolymer Finish (Acrynar), Add	9.53	
For 70% Fluoropolymer Finish (Duramar), Add	28.60	
For Clear Anodized Finish, Add	23.84	
For Color Anodized Finish, Add	33.37	
08 51 13 00-0035 EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	748.75	137.20
For 50% Fluoropolymer Finish (Acrynar), Add	10.40	
For 70% Fluoropolymer Finish (Duramar), Add	31.20	
For Clear Anodized Finish, Add	26.00	
For Color Anodized Finish, Add	36.41	
08 51 13 00-0036 EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	807.20	144.82
For 50% Fluoropolymer Finish (Acrynar), Add	11.32	
For 70% Fluoropolymer Finish (Duramar), Add	33.95	
For Clear Anodized Finish, Add	28.29	
For Color Anodized Finish, Add	39.61	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0037 EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	937.88	152.44
For 50% Fluoropolymer Finish (Acrynar), Add	13.68	
For 70% Fluoropolymer Finish (Duramar), Add	41.03	
For Clear Anodized Finish, Add	34.19	
For Color Anodized Finish, Add	47.87	
08 51 13 00-0038 SF >30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	30.43	4.58
For 50% Fluoropolymer Finish (Acrynar), Add	0.46	
For 70% Fluoropolymer Finish (Duramar), Add	1.37	
For Clear Anodized Finish, Add	1.14	
For Color Anodized Finish, Add	1.60	
08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)		
08 51 13 00-0040 EA Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	764.28	121.96
For 50% Fluoropolymer Finish (Acrynar), Add	11.22	
For 70% Fluoropolymer Finish (Duramar), Add	33.66	
For Clear Anodized Finish, Add	28.05	
For Color Anodized Finish, Add	39.27	
08 51 13 00-0041 EA >6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	882.92	129.58
For 50% Fluoropolymer Finish (Acrynar), Add	13.34	
For 70% Fluoropolymer Finish (Duramar), Add	40.02	
For Clear Anodized Finish, Add	33.35	
For Color Anodized Finish, Add	46.69	
08 51 13 00-0042 EA >10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	979.90	137.20
For 50% Fluoropolymer Finish (Acrynar), Add	15.02	
For 70% Fluoropolymer Finish (Duramar), Add	45.07	
For Clear Anodized Finish, Add	37.56	
For Color Anodized Finish, Add	52.59	
08 51 13 00-0043 EA >15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,088.91	144.82
For 50% Fluoropolymer Finish (Acrynar), Add	16.95	
For 70% Fluoropolymer Finish (Duramar), Add	50.85	
For Clear Anodized Finish, Add	42.38	
For Color Anodized Finish, Add	59.33	
08 51 13 00-0044 EA >20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,287.01	152.44
For 50% Fluoropolymer Finish (Acrynar), Add	20.66	
For 70% Fluoropolymer Finish (Duramar), Add	61.98	
For Clear Anodized Finish, Add	51.65	
For Color Anodized Finish, Add	72.31	
08 51 13 00-0045 SF >30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	42.06	4.58
For 50% Fluoropolymer Finish (Acrynar), Add	0.69	
For 70% Fluoropolymer Finish (Duramar), Add	2.07	
For Clear Anodized Finish, Add	1.72	
For Color Anodized Finish, Add	2.41	
08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)		
08 51 13 00-0047 EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	954.49	121.96
For 50% Fluoropolymer Finish (Acrynar), Add	15.02	
For 70% Fluoropolymer Finish (Duramar), Add	45.07	
For Clear Anodized Finish, Add	37.56	
For Color Anodized Finish, Add	52.59	
08 51 13 00-0048 EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,092.40	129.58
For 50% Fluoropolymer Finish (Acrynar), Add	17.53	
For 70% Fluoropolymer Finish (Duramar), Add	52.59	
For Clear Anodized Finish, Add	43.82	
For Color Anodized Finish, Add	61.35	
08 51 13 00-0049 EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,208.64	137.20
For 50% Fluoropolymer Finish (Acrynar), Add	19.60	
For 70% Fluoropolymer Finish (Duramar), Add	58.80	
For Clear Anodized Finish, Add	49.00	
For Color Anodized Finish, Add	68.60	
08 51 13 00-0050 EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,322.47	144.82
For 50% Fluoropolymer Finish (Acrynar), Add	21.62	
For 70% Fluoropolymer Finish (Duramar), Add	64.87	
For Clear Anodized Finish, Add	54.06	
For Color Anodized Finish, Add	75.68	
08 51 13 00-0051 EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,592.80	152.44
For 50% Fluoropolymer Finish (Acrynar), Add	26.77	
For 70% Fluoropolymer Finish (Duramar), Add	80.32	
For Clear Anodized Finish, Add	66.94	
For Color Anodized Finish, Add	93.71	
08 51 13 00-0052 SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	52.25	4.58
For 50% Fluoropolymer Finish (Acrynar), Add	0.89	
For 70% Fluoropolymer Finish (Duramar), Add	2.68	
For Clear Anodized Finish, Add	2.23	
For Color Anodized Finish, Add	3.12	
08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0054 EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,475.23 25.19 75.56 62.96 88.15	129.58
08 51 13 00-0055 EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,615.56 27.74 83.21 69.34 97.08	137.20
08 51 13 00-0056 EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,779.95 30.77 92.31 76.93 107.70	144.82
08 51 13 00-0057 EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,055.10 36.02 108.06 90.05 126.07	152.44
08 51 13 00-0058 SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	67.58 1.20 3.60 3.00 4.20	4.58
08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) <small>(08 51 13 00-0031)</small>		
08 51 13 00-0060 EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,019.39 36.07 108.21 90.17 126.24	129.58
08 51 13 00-0061 EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,176.57 38.96 116.87 97.40 136.35	137.20
08 51 13 00-0062 EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,355.41 42.28 126.84 105.70 147.98	144.82
08 51 13 00-0063 EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,664.27 48.20 144.61 120.51 168.71	152.44
08 51 13 00-0064 SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	88.05 1.61 4.83 4.02 5.63	4.58
08 51 13 00-0065 Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>		
08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <small>(08 51 13 00-0066)</small>		
08 51 13 00-0068 EA Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	574.06 7.42 22.25 18.54 25.96	121.96
08 51 13 00-0069 EA >6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	644.55 8.57 25.72 21.43 30.00	129.58
08 51 13 00-0070 EA >10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	698.19 9.39 28.17 23.48 32.87	137.20

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0071	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	754.23	144.82
			For 50% Fluoropolymer Finish (Acrynar), Add	10.26	
			For 70% Fluoropolymer Finish (Durandar), Add	30.77	
			For Clear Anodized Finish, Add	25.64	
			For Color Anodized Finish, Add	35.90	
08 51 13 00-0072	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	865.65	152.44
			For 50% Fluoropolymer Finish (Acrynar), Add	12.23	
			For 70% Fluoropolymer Finish (Durandar), Add	36.69	
			For Clear Anodized Finish, Add	30.58	
			For Color Anodized Finish, Add	42.81	
08 51 13 00-0073	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	28.02	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	0.41	
			For 70% Fluoropolymer Finish (Durandar), Add	1.22	
			For Clear Anodized Finish, Add	1.02	
			For Color Anodized Finish, Add	1.43	
08 51 13 00-0074			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		
08 51 13 00-0075	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	879.85	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	13.53	
			For 70% Fluoropolymer Finish (Durandar), Add	40.60	
			For Clear Anodized Finish, Add	33.83	
			For Color Anodized Finish, Add	47.36	
08 51 13 00-0076	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	988.86	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	15.46	
			For 70% Fluoropolymer Finish (Durandar), Add	46.37	
			For Clear Anodized Finish, Add	38.65	
			For Color Anodized Finish, Add	54.10	
08 51 13 00-0077	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,076.21	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	16.95	
			For 70% Fluoropolymer Finish (Durandar), Add	50.85	
			For Clear Anodized Finish, Add	42.38	
			For Color Anodized Finish, Add	59.33	
08 51 13 00-0078	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,161.15	144.82
			For 50% Fluoropolymer Finish (Acrynar), Add	18.40	
			For 70% Fluoropolymer Finish (Durandar), Add	55.19	
			For Clear Anodized Finish, Add	45.99	
			For Color Anodized Finish, Add	64.38	
08 51 13 00-0079	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,342.39	152.44
			For 50% Fluoropolymer Finish (Acrynar), Add	21.77	
			For 70% Fluoropolymer Finish (Durandar), Add	65.30	
			For Clear Anodized Finish, Add	54.42	
			For Color Anodized Finish, Add	76.18	
08 51 13 00-0080	SF		>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	43.92	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	0.73	
			For 70% Fluoropolymer Finish (Durandar), Add	2.18	
			For Clear Anodized Finish, Add	1.81	
			For Color Anodized Finish, Add	2.54	
08 51 13 00-0081			Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0082			3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0081)		
08 51 13 00-0083	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	636.66	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	8.67	
			For 70% Fluoropolymer Finish (Durandar), Add	26.00	
			For Clear Anodized Finish, Add	21.67	
			For Color Anodized Finish, Add	30.34	
08 51 13 00-0084	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	726.41	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	10.21	
			For 70% Fluoropolymer Finish (Durandar), Add	30.63	
			For Clear Anodized Finish, Add	25.52	
			For Color Anodized Finish, Add	35.73	
08 51 13 00-0085	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	787.28	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	11.17	
			For 70% Fluoropolymer Finish (Durandar), Add	33.52	
			For Clear Anodized Finish, Add	27.93	
			For Color Anodized Finish, Add	39.10	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0086 EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	838.50	144.82
For 50% Fluoropolymer Finish (Acrynar), Add	11.94	
For 70% Fluoropolymer Finish (Duranar), Add	35.83	
For Clear Anodized Finish, Add	29.86	
For Color Anodized Finish, Add	41.80	
08 51 13 00-0087 EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	964.37	152.44
For 50% Fluoropolymer Finish (Acrynar), Add	14.21	
For 70% Fluoropolymer Finish (Duranar), Add	42.62	
For Clear Anodized Finish, Add	35.52	
For Color Anodized Finish, Add	49.72	
08 51 13 00-0088 SF >30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	31.30	4.58
For 50% Fluoropolymer Finish (Acrynar), Add	0.47	
For 70% Fluoropolymer Finish (Duranar), Add	1.42	
For Clear Anodized Finish, Add	1.18	
For Color Anodized Finish, Add	1.66	
08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)		
08 51 13 00-0091 EA Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,549.21	121.96
For 50% Fluoropolymer Finish (Acrynar), Add	26.92	
For 70% Fluoropolymer Finish (Duranar), Add	80.76	
For Clear Anodized Finish, Add	67.30	
For Color Anodized Finish, Add	94.22	
08 51 13 00-0092 EA >12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,783.22	141.01
For 50% Fluoropolymer Finish (Acrynar), Add	30.96	
For 70% Fluoropolymer Finish (Duranar), Add	92.89	
For Clear Anodized Finish, Add	77.41	
For Color Anodized Finish, Add	108.37	
08 51 13 00-0093 EA >18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,925.95	148.63
For 50% Fluoropolymer Finish (Acrynar), Add	33.56	
For 70% Fluoropolymer Finish (Duranar), Add	100.69	
For Clear Anodized Finish, Add	83.91	
For Color Anodized Finish, Add	117.48	
08 51 13 00-0094 EA >24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	2,323.68	167.69
For 50% Fluoropolymer Finish (Acrynar), Add	40.88	
For 70% Fluoropolymer Finish (Duranar), Add	122.65	
For Clear Anodized Finish, Add	102.21	
For Color Anodized Finish, Add	143.09	
08 51 13 00-0095 EA >40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	2,682.03	190.56
For 50% Fluoropolymer Finish (Acrynar), Add	47.29	
For 70% Fluoropolymer Finish (Duranar), Add	141.87	
For Clear Anodized Finish, Add	118.22	
For Color Anodized Finish, Add	165.51	
08 51 13 00-0096 SF >60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	47.02	4.58
For 50% Fluoropolymer Finish (Acrynar), Add	0.79	
For 70% Fluoropolymer Finish (Duranar), Add	2.36	
For Clear Anodized Finish, Add	1.97	
For Color Anodized Finish, Add	2.76	
08 51 13 00-0097 Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	460.89	121.96
For 50% Fluoropolymer Finish (Acrynar), Add	5.15	
For 70% Fluoropolymer Finish (Duranar), Add	15.46	
For Clear Anodized Finish, Add	12.88	
For Color Anodized Finish, Add	18.03	
08 51 13 00-0100 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	521.75	129.58
For 50% Fluoropolymer Finish (Acrynar), Add	6.12	
For 70% Fluoropolymer Finish (Duranar), Add	18.35	
For Clear Anodized Finish, Add	15.29	
For Color Anodized Finish, Add	21.41	
08 51 13 00-0101 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	551.31	137.20
For 50% Fluoropolymer Finish (Acrynar), Add	6.45	
For 70% Fluoropolymer Finish (Duranar), Add	19.36	
For Clear Anodized Finish, Add	16.13	
For Color Anodized Finish, Add	22.58	
08 51 13 00-0102 EA >15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	580.87	144.82
For 50% Fluoropolymer Finish (Acrynar), Add	6.79	
For 70% Fluoropolymer Finish (Duranar), Add	20.37	
For Clear Anodized Finish, Add	16.98	
For Color Anodized Finish, Add	23.77	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	750.07	152.44	
		For 50% Fluoropolymer Finish (Acrynar), Add	9.92		
		For 70% Fluoropolymer Finish (Durandar), Add	29.76		
		For Clear Anodized Finish, Add	24.80		
		For Color Anodized Finish, Add	34.72		
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	24.17	4.58	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.33		
		For 70% Fluoropolymer Finish (Durandar), Add	0.99		
		For Clear Anodized Finish, Add	0.83		
		For Color Anodized Finish, Add	1.16		
08 51 13 00-0105		2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)			
		<small>00-0097</small>			
08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	566.84	121.96	
		For 50% Fluoropolymer Finish (Acrynar), Add	7.27		
		For 70% Fluoropolymer Finish (Durandar), Add	21.81		
		For Clear Anodized Finish, Add	18.18		
		For Color Anodized Finish, Add	25.45		
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	644.55	129.58	
		For 50% Fluoropolymer Finish (Acrynar), Add	8.57		
		For 70% Fluoropolymer Finish (Durandar), Add	25.72		
		For Clear Anodized Finish, Add	21.43		
		For Color Anodized Finish, Add	30.00		
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	693.37	137.20	
		For 50% Fluoropolymer Finish (Acrynar), Add	9.29		
		For 70% Fluoropolymer Finish (Durandar), Add	27.88		
		For Clear Anodized Finish, Add	23.24		
		For Color Anodized Finish, Add	32.53		
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	744.60	144.82	
		For 50% Fluoropolymer Finish (Acrynar), Add	10.06		
		For 70% Fluoropolymer Finish (Durandar), Add	30.19		
		For Clear Anodized Finish, Add	25.16		
		For Color Anodized Finish, Add	35.23		
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	964.37	152.44	
		For 50% Fluoropolymer Finish (Acrynar), Add	14.21		
		For 70% Fluoropolymer Finish (Durandar), Add	42.62		
		For Clear Anodized Finish, Add	35.52		
		For Color Anodized Finish, Add	49.72		
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	31.30	4.58	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.47		
		For 70% Fluoropolymer Finish (Durandar), Add	1.42		
		For Clear Anodized Finish, Add	1.18		
		For Color Anodized Finish, Add	1.66		
08 51 13 00-0112		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)			
		<small>00-0097</small>			
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	494.60	121.96	
		For 50% Fluoropolymer Finish (Acrynar), Add	5.83		
		For 70% Fluoropolymer Finish (Durandar), Add	17.48		
		For Clear Anodized Finish, Add	14.57		
		For Color Anodized Finish, Add	20.39		
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	572.31	129.58	
		For 50% Fluoropolymer Finish (Acrynar), Add	7.13		
		For 70% Fluoropolymer Finish (Durandar), Add	21.38		
		For Clear Anodized Finish, Add	17.82		
		For Color Anodized Finish, Add	24.94		
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	616.32	137.20	
		For 50% Fluoropolymer Finish (Acrynar), Add	7.75		
		For 70% Fluoropolymer Finish (Durandar), Add	23.26		
		For Clear Anodized Finish, Add	19.38		
		For Color Anodized Finish, Add	27.14		
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	662.73	144.82	
		For 50% Fluoropolymer Finish (Acrynar), Add	8.43		
		For 70% Fluoropolymer Finish (Durandar), Add	25.28		
		For Clear Anodized Finish, Add	21.07		
		For Color Anodized Finish, Add	29.50		
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	870.46	152.44	
		For 50% Fluoropolymer Finish (Acrynar), Add	12.33		
		For 70% Fluoropolymer Finish (Durandar), Add	36.98		
		For Clear Anodized Finish, Add	30.82		
		For Color Anodized Finish, Add	43.15		
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	28.17	4.58	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.41		
		For 70% Fluoropolymer Finish (Durandar), Add	1.23		
		For Clear Anodized Finish, Add	1.03		
		For Color Anodized Finish, Add	1.44		
08 51 13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)			
		<small>0097</small>			
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	492.19	121.96	
		For 50% Fluoropolymer Finish (Acrynar), Add	5.78		
		For 70% Fluoropolymer Finish (Durandar), Add	17.34		
		For Clear Anodized Finish, Add	14.45		
		For Color Anodized Finish, Add	20.23		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0121	EA		>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	562.68	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	6.93	
			For 70% Fluoropolymer Finish (Duranar), Add	20.80	
			For Clear Anodized Finish, Add	17.34	
			For Color Anodized Finish, Add	24.27	
08 51 13 00-0122	EA		>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	606.69	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	7.56	
			For 70% Fluoropolymer Finish (Duranar), Add	22.68	
			For Clear Anodized Finish, Add	18.90	
			For Color Anodized Finish, Add	26.46	
08 51 13 00-0123	EA		>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	653.10	144.82
			For 50% Fluoropolymer Finish (Acrynar), Add	8.23	
			For 70% Fluoropolymer Finish (Duranar), Add	24.70	
			For Clear Anodized Finish, Add	20.59	
			For Color Anodized Finish, Add	28.82	
08 51 13 00-0124	EA		>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	860.83	152.44
			For 50% Fluoropolymer Finish (Acrynar), Add	12.14	
			For 70% Fluoropolymer Finish (Duranar), Add	36.41	
			For Clear Anodized Finish, Add	30.34	
			For Color Anodized Finish, Add	42.47	
08 51 13 00-0125	SF		>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	27.86	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
			For 70% Fluoropolymer Finish (Duranar), Add	1.21	
			For Clear Anodized Finish, Add	1.01	
			For Color Anodized Finish, Add	1.42	
08 51 13 00-0126			Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0127			Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0128			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	641.96	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	8.77	
			For 70% Fluoropolymer Finish (Duranar), Add	26.32	
			For Clear Anodized Finish, Add	21.94	
			For Color Anodized Finish, Add	30.71	
08 51 13 00-0130	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	694.87	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	9.58	
			For 70% Fluoropolymer Finish (Duranar), Add	28.73	
			For Clear Anodized Finish, Add	23.95	
			For Color Anodized Finish, Add	33.52	
08 51 13 00-0131	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	755.98	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	10.55	
			For 70% Fluoropolymer Finish (Duranar), Add	31.64	
			For Clear Anodized Finish, Add	26.37	
			For Color Anodized Finish, Add	36.91	
08 51 13 00-0132	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	42.78	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	0.70	
			For 70% Fluoropolymer Finish (Duranar), Add	2.11	
			For Clear Anodized Finish, Add	1.76	
			For Color Anodized Finish, Add	2.46	
08 51 13 00-0133			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)		
08 51 13 00-0134	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	854.83	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	13.03	
			For 70% Fluoropolymer Finish (Duranar), Add	39.09	
			For Clear Anodized Finish, Add	32.58	
			For Color Anodized Finish, Add	45.61	
08 51 13 00-0135	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	942.90	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	14.54	
			For 70% Fluoropolymer Finish (Duranar), Add	43.62	
			For Clear Anodized Finish, Add	36.35	
			For Color Anodized Finish, Add	50.89	
08 51 13 00-0136	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,044.91	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	16.32	
			For 70% Fluoropolymer Finish (Duranar), Add	48.97	
			For Clear Anodized Finish, Add	40.81	
			For Color Anodized Finish, Add	57.14	
08 51 13 00-0137	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	62.05	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.09	
			For 70% Fluoropolymer Finish (Duranar), Add	3.27	
			For Clear Anodized Finish, Add	2.72	
			For Color Anodized Finish, Add	3.81	
08 51 13 00-0138			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0127)		

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	934.67		121.96
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.63		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	43.88		
		<i>For Clear Anodized Finish, Add</i>	36.57		
		<i>For Color Anodized Finish, Add</i>	51.20		
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,035.88		129.58
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.40		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	49.20		
		<i>For Clear Anodized Finish, Add</i>	41.00		
		<i>For Color Anodized Finish, Add</i>	57.39		
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,153.26		137.20
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.49		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	55.48		
		<i>For Clear Anodized Finish, Add</i>	46.23		
		<i>For Color Anodized Finish, Add</i>	64.72		
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	69.27		4.58
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.23		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	3.70		
		<i>For Clear Anodized Finish, Add</i>	3.08		
		<i>For Color Anodized Finish, Add</i>	4.31		
08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0127)					
08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	989.67		121.96
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.73		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	47.18		
		<i>For Clear Anodized Finish, Add</i>	39.32		
		<i>For Color Anodized Finish, Add</i>	55.05		
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	1,099.96		129.58
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	17.68		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	53.04		
		<i>For Clear Anodized Finish, Add</i>	44.20		
		<i>For Color Anodized Finish, Add</i>	61.88		
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	1,227.90		137.20
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.98		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	59.95		
		<i>For Clear Anodized Finish, Add</i>	49.96		
		<i>For Color Anodized Finish, Add</i>	69.95		
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	74.25		4.58
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.33		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	4.00		
		<i>For Clear Anodized Finish, Add</i>	3.33		
		<i>For Color Anodized Finish, Add</i>	4.66		
08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)					
08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	982.57		121.96
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.59		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	46.76		
		<i>For Clear Anodized Finish, Add</i>	38.97		
		<i>For Color Anodized Finish, Add</i>	54.55		
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,091.70		129.58
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	17.51		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	52.54		
		<i>For Clear Anodized Finish, Add</i>	43.79		
		<i>For Color Anodized Finish, Add</i>	61.30		
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,218.27		137.20
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.79		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	59.38		
		<i>For Clear Anodized Finish, Add</i>	49.48		
		<i>For Color Anodized Finish, Add</i>	69.27		
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	73.60		4.58
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.32		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	3.96		
		<i>For Clear Anodized Finish, Add</i>	3.30		
		<i>For Color Anodized Finish, Add</i>	4.62		
08 51 13 00-0153		Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)			
08 51 13 00-0154		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)			



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	874.36	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	13.42	
			For 70% Fluoropolymer Finish (Duranar), Add	40.27	
			For Clear Anodized Finish, Add	33.56	
			For Color Anodized Finish, Add	46.98	
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	965.63	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	14.99	
			For 70% Fluoropolymer Finish (Duranar), Add	44.98	
			For Clear Anodized Finish, Add	37.48	
			For Color Anodized Finish, Add	52.48	
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	1,071.40	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	16.85	
			For 70% Fluoropolymer Finish (Duranar), Add	50.56	
			For Clear Anodized Finish, Add	42.14	
			For Color Anodized Finish, Add	58.99	
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	63.73	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.12	
			For 70% Fluoropolymer Finish (Duranar), Add	3.37	
			For Clear Anodized Finish, Add	2.81	
			For Color Anodized Finish, Add	3.93	
08 51 13 00-0159			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		
08 51 13 00-0160	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,211.43	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	20.16	
			For 70% Fluoropolymer Finish (Duranar), Add	60.49	
			For Clear Anodized Finish, Add	50.41	
			For Color Anodized Finish, Add	70.57	
08 51 13 00-0161	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,358.31	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	22.85	
			For 70% Fluoropolymer Finish (Duranar), Add	68.54	
			For Clear Anodized Finish, Add	57.12	
			For Color Anodized Finish, Add	79.96	
08 51 13 00-0162	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,528.88	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	26.00	
			For 70% Fluoropolymer Finish (Duranar), Add	78.01	
			For Clear Anodized Finish, Add	65.01	
			For Color Anodized Finish, Add	91.01	
08 51 13 00-0163	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	94.31	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.73	
			For 70% Fluoropolymer Finish (Duranar), Add	5.20	
			For Clear Anodized Finish, Add	4.33	
			For Color Anodized Finish, Add	6.07	
08 51 13 00-0164			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)		
08 51 13 00-0165	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,282.38	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	21.58	
			For 70% Fluoropolymer Finish (Duranar), Add	64.75	
			For Clear Anodized Finish, Add	53.96	
			For Color Anodized Finish, Add	75.54	
08 51 13 00-0166	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,440.97	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	24.50	
			For 70% Fluoropolymer Finish (Duranar), Add	73.50	
			For Clear Anodized Finish, Add	61.25	
			For Color Anodized Finish, Add	85.75	
08 51 13 00-0167	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,625.19	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	27.93	
			For 70% Fluoropolymer Finish (Duranar), Add	83.79	
			For Clear Anodized Finish, Add	69.83	
			For Color Anodized Finish, Add	97.76	
08 51 13 00-0168	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	100.57	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.86	
			For 70% Fluoropolymer Finish (Duranar), Add	5.58	
			For Clear Anodized Finish, Add	4.65	
			For Color Anodized Finish, Add	6.51	
08 51 13 00-0169			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)		

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0170	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,275.30	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	21.44	
			For 70% Fluoropolymer Finish (Duramar), Add	64.32	
			For Clear Anodized Finish, Add	53.60	
			For Color Anodized Finish, Add	75.04	
08 51 13 00-0171	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,432.71	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	24.34	
			For 70% Fluoropolymer Finish (Duramar), Add	73.01	
			For Clear Anodized Finish, Add	60.84	
			For Color Anodized Finish, Add	85.17	
08 51 13 00-0172	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,615.56	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	27.74	
			For 70% Fluoropolymer Finish (Duramar), Add	83.21	
			For Clear Anodized Finish, Add	69.34	
			For Color Anodized Finish, Add	97.08	
08 51 13 00-0173	SF		>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	100.09	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.85	
			For 70% Fluoropolymer Finish (Duramar), Add	5.55	
			For Clear Anodized Finish, Add	4.62	
			For Color Anodized Finish, Add	6.47	
08 51 13 00-0174			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)		
08 51 13 00-0175	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,385.29	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	23.64	
			For 70% Fluoropolymer Finish (Duramar), Add	70.92	
			For Clear Anodized Finish, Add	59.10	
			For Color Anodized Finish, Add	82.74	
08 51 13 00-0176	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,560.86	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	26.90	
			For 70% Fluoropolymer Finish (Duramar), Add	80.69	
			For Clear Anodized Finish, Add	67.25	
			For Color Anodized Finish, Add	94.14	
08 51 13 00-0177	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,764.84	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	30.72	
			For 70% Fluoropolymer Finish (Duramar), Add	92.17	
			For Clear Anodized Finish, Add	76.81	
			For Color Anodized Finish, Add	107.53	
08 51 13 00-0178	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	109.96	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	2.05	
			For 70% Fluoropolymer Finish (Duramar), Add	6.14	
			For Clear Anodized Finish, Add	5.12	
			For Color Anodized Finish, Add	7.16	
08 51 13 00-0179			Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0180			Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0181			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51 13 00-0182	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	728.88	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	10.51	
			For 70% Fluoropolymer Finish (Duramar), Add	31.54	
			For Clear Anodized Finish, Add	26.28	
			For Color Anodized Finish, Add	36.79	
08 51 13 00-0183	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	796.14	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	11.60	
			For 70% Fluoropolymer Finish (Duramar), Add	34.81	
			For Clear Anodized Finish, Add	29.01	
			For Color Anodized Finish, Add	40.61	
08 51 13 00-0184	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	873.96	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	12.91	
			For 70% Fluoropolymer Finish (Duramar), Add	38.72	
			For Clear Anodized Finish, Add	32.26	
			For Color Anodized Finish, Add	45.17	
08 51 13 00-0185	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	50.66	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	0.86	
			For 70% Fluoropolymer Finish (Duramar), Add	2.58	
			For Clear Anodized Finish, Add	2.15	
			For Color Anodized Finish, Add	3.01	
08 51 13 00-0186			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0187	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,051.77 16.97 50.91 42.43 59.40	121.96
08 51 13 00-0188	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,172.29 19.13 57.38 47.82 66.94	129.58
08 51 13 00-0189	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,312.18 21.67 65.01 54.18 75.85	137.20
08 51 13 00-0190	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	79.86 1.44 4.33 3.61 5.06	4.58
08 51 13 00-0191			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) <small>(08 51 13 00-0180)</small>		
08 51 13 00-0192	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,057.09 17.08 51.23 42.69 59.77	121.96
08 51 13 00-0193	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,178.50 19.25 57.75 48.13 67.38	129.58
08 51 13 00-0194	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,319.40 21.81 65.44 54.54 76.35	137.20
08 51 13 00-0195	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	80.35 1.45 4.36 3.64 5.09	4.58
08 51 13 00-0196			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) <small>(08 51 13 00-0180)</small>		
08 51 13 00-0197	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,112.08 18.18 54.53 45.44 63.62	121.96
08 51 13 00-0198	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,242.57 20.53 61.60 51.33 71.86	129.58
08 51 13 00-0199	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,394.04 23.31 69.92 58.27 81.58	137.20
08 51 13 00-0200	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	85.33 1.55 4.66 3.89 5.44	4.58
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows <small>(08 51 13 00-0179)</small>		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) <small>(08 51 13 00-0201)</small>		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	826.46 12.46 37.39 31.16 43.62	121.96

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	909.81	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	13.88	
			For 70% Fluoropolymer Finish (Durandar), Add	41.63	
			For Clear Anodized Finish, Add	34.69	
			For Color Anodized Finish, Add	48.57	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,006.39	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	15.55	
			For 70% Fluoropolymer Finish (Durandar), Add	46.66	
			For Clear Anodized Finish, Add	38.89	
			For Color Anodized Finish, Add	54.44	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	59.47	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.04	
			For 70% Fluoropolymer Finish (Durandar), Add	3.11	
			For Clear Anodized Finish, Add	2.59	
			For Color Anodized Finish, Add	3.63	
08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)					
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,149.33	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	18.92	
			For 70% Fluoropolymer Finish (Durandar), Add	56.76	
			For Clear Anodized Finish, Add	47.30	
			For Color Anodized Finish, Add	66.22	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,285.96	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	21.40	
			For 70% Fluoropolymer Finish (Durandar), Add	64.20	
			For Clear Anodized Finish, Add	53.50	
			For Color Anodized Finish, Add	74.90	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,444.60	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	24.32	
			For 70% Fluoropolymer Finish (Durandar), Add	72.96	
			For Clear Anodized Finish, Add	60.80	
			For Color Anodized Finish, Add	85.12	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	88.70	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.62	
			For 70% Fluoropolymer Finish (Durandar), Add	4.86	
			For Clear Anodized Finish, Add	4.05	
			For Color Anodized Finish, Add	5.67	
08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)					
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,268.20	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	21.30	
			For 70% Fluoropolymer Finish (Durandar), Add	63.90	
			For Clear Anodized Finish, Add	53.25	
			For Color Anodized Finish, Add	74.55	
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,424.45	129.58
			For 50% Fluoropolymer Finish (Acrynar), Add	24.17	
			For 70% Fluoropolymer Finish (Durandar), Add	72.51	
			For Clear Anodized Finish, Add	60.42	
			For Color Anodized Finish, Add	84.59	
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,605.93	137.20
			For 50% Fluoropolymer Finish (Acrynar), Add	27.55	
			For 70% Fluoropolymer Finish (Durandar), Add	82.64	
			For Clear Anodized Finish, Add	68.86	
			For Color Anodized Finish, Add	96.41	
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	99.44	4.58
			For 50% Fluoropolymer Finish (Acrynar), Add	1.84	
			For 70% Fluoropolymer Finish (Durandar), Add	5.51	
			For Clear Anodized Finish, Add	4.59	
			For Color Anodized Finish, Add	6.43	
08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)					
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,376.41	121.96
			For 50% Fluoropolymer Finish (Acrynar), Add	23.46	
			For 70% Fluoropolymer Finish (Durandar), Add	70.39	
			For Clear Anodized Finish, Add	58.66	
			For Color Anodized Finish, Add	82.12	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....		1,550.53	129.58
		For 50% Fluoropolymer Finish (Acrynar), Add		26.69	
		For 70% Fluoropolymer Finish (Duranar), Add		80.07	
		For Clear Anodized Finish, Add		66.73	
		For Color Anodized Finish, Add		93.42	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....		1,752.80	137.20
		For 50% Fluoropolymer Finish (Acrynar), Add		30.48	
		For 70% Fluoropolymer Finish (Duranar), Add		91.45	
		For Clear Anodized Finish, Add		76.21	
		For Color Anodized Finish, Add		106.69	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....		109.24	4.58
		For 50% Fluoropolymer Finish (Acrynar), Add		2.03	
		For 70% Fluoropolymer Finish (Duranar), Add		6.10	
		For Clear Anodized Finish, Add		5.08	
		For Color Anodized Finish, Add		7.11	
08 51 13 00-0222		Aluminum Window Accessories (08 51 13)			
08 51 13 00-0223		Aluminum Window Mullions (08 51 13 00-0222)			
08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows.....		25.90	5.71
		For 50% Fluoropolymer Finish (Acrynar), Add		0.31	
		For 70% Fluoropolymer Finish (Duranar), Add		0.92	
		For Clear Anodized Finish, Add		0.77	
		For Color Anodized Finish, Add		1.07	
08 51 13 00-0225		Aluminum Window Panning (08 51 13 00-0222)			
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.					
08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning.....		263.96	49.38
		For 50% Fluoropolymer Finish (Acrynar), Add		3.63	
		For 70% Fluoropolymer Finish (Duranar), Add		10.90	
		For Clear Anodized Finish, Add		9.08	
		For Color Anodized Finish, Add		12.72	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning.....		371.37	82.28
		For 50% Fluoropolymer Finish (Acrynar), Add		4.68	
		For 70% Fluoropolymer Finish (Duranar), Add		14.05	
		For Clear Anodized Finish, Add		11.71	
		For Color Anodized Finish, Add		16.39	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning.....		461.82	123.44
		For 50% Fluoropolymer Finish (Acrynar), Add		5.12	
		For 70% Fluoropolymer Finish (Duranar), Add		15.37	
		For Clear Anodized Finish, Add		12.81	
		For Color Anodized Finish, Add		17.93	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning.....		556.67	164.58
		For 50% Fluoropolymer Finish (Acrynar), Add		5.65	
		For 70% Fluoropolymer Finish (Duranar), Add		16.94	
		For Clear Anodized Finish, Add		14.12	
		For Color Anodized Finish, Add		19.77	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning.....		744.15	246.88
		For 50% Fluoropolymer Finish (Acrynar), Add		6.65	
		For 70% Fluoropolymer Finish (Duranar), Add		19.96	
		For Clear Anodized Finish, Add		16.64	
		For Color Anodized Finish, Add		23.29	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning.....		27.54	10.29
		For 50% Fluoropolymer Finish (Acrynar), Add		0.21	
		For 70% Fluoropolymer Finish (Duranar), Add		0.62	
		For Clear Anodized Finish, Add		0.52	
		For Color Anodized Finish, Add		0.73	
08 51 13 00-0232		Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)			
08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows.....		8.61	5.71
		For 50% Fluoropolymer Finish (Acrynar), Add		0.02	
		For 70% Fluoropolymer Finish (Duranar), Add		0.06	
		For Clear Anodized Finish, Add		0.05	
		For Color Anodized Finish, Add		0.07	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows.....		11.46	5.71
		For 50% Fluoropolymer Finish (Acrynar), Add		0.08	
		For 70% Fluoropolymer Finish (Duranar), Add		0.23	
		For Clear Anodized Finish, Add		0.19	
		For Color Anodized Finish, Add		0.27	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....		24.53	5.71
		For 50% Fluoropolymer Finish (Acrynar), Add		0.11	
		For 70% Fluoropolymer Finish (Duranar), Add		0.33	
		For Clear Anodized Finish, Add		0.27	
		For Color Anodized Finish, Add		0.38	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....		29.26	5.71
		For 50% Fluoropolymer Finish (Acrynar), Add		0.15	
		For 70% Fluoropolymer Finish (Duranar), Add		0.46	
		For Clear Anodized Finish, Add		0.38	
		For Color Anodized Finish, Add		0.54	

08	08	Openings
	08 50	Windows
	08 51	Metal Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0237 Other Aluminum Window Accessories <small>(08 51 13 00-0222)</small>		
08 51 13 00-0238 EA Roto Operator For Casement Aluminum Windows	198.31	25.39
08 51 13 00-0239 EA Head And Sill Automatic Locks For Hung Aluminum Windows	102.00	25.39
08 51 19 Stainless-Steel Windows <small>(08 51)</small>		
<small>See CSI section 08 80 00 00-0000 for glazing.</small>		
08 51 19 00-0001 Stainless Steel Windows Types <small>(08 51 19)</small>		
08 51 19 00-0002 Industrial <small>(08 51 19 00-0001)</small>		
08 51 19 00-0003 SF Stainless Steel Window With Horizontal Pivot Sash	120.22	7.63
08 51 19 00-0004 SF Stainless Steel Window, Fixed Sash	89.88	7.63
08 51 19 00-0005 Projected Sash <small>(08 51 19 00-0001)</small>		
08 51 19 00-0006 SF Commercial Projected Sash Window - 40% Vented Stainless Steel	125.88	7.63
08 51 19 00-0007 SF Intermediate Projected Sash Window - 40% Vented Stainless Steel	139.30	7.63
08 51 19 00-0008 Other Type Sash <small>(08 51 19 00-0001)</small>		
08 51 19 00-0009 SF Double Hung Stainless Steel Window Sash	152.68	7.63
08 51 19 00-0010 SF Single Hung Stainless Steel Window Sash	107.10	7.63
08 51 19 00-0011 SF Stainless Steel Picture Window Sash	88.98	7.63
08 51 19 00-0012 SF Sliding Stainless Steel Window	157.59	7.63
08 51 19 00-0013 Casements <small>(08 51 19 00-0001)</small>		
08 51 19 00-0014 SF Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	136.52	7.63
08 51 19 00-0015 SF Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	117.66	7.63
08 51 19 00-0016 SF Stainless Steel Window Casements, Fixed Sash, Factory Primed	82.07	7.63
08 51 23 Steel Windows <small>(08 51)</small>		
<small>Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.</small>		
08 51 23 00-0001 Steel Windows <small>(08 51 23)</small>		
08 51 23 00-0002 Industrial <small>(08 51 23 00-0001)</small>		
08 51 23 00-0003 SF Industrial Steel Window With Horizontal Pivot Sash	55.39	7.63
08 51 23 00-0004 SF Industrial Steel Window, With Fixed Sash	50.24	7.63
08 51 23 00-0005 SF Industrial Steel Window, With Operable Security Sash	76.49	7.63
08 51 23 00-0006 SF Industrial Steel Window, With Fixed Security Sash	66.20	7.63
08 51 23 00-0007 Projected Sash <small>(08 51 23 00-0001)</small>		
08 51 23 00-0008 SF Commercial Projected Sash Window - 40% Vented Steel	60.53	7.63
08 51 23 00-0009 SF Intermediate Projected Sash Window - 40% Vented Steel	66.19	7.63
08 51 23 00-0010 Other Type Sash <small>(08 51 23 00-0001)</small>		
08 51 23 00-0011 SF Double Hung Steel Window Sash	76.18	7.63
08 51 23 00-0012 SF Steel Picture Window Sash	35.89	7.63
08 51 23 00-0013 SF Fire Rated Double Hung Steel Window Sash	78.41	9.53
08 51 23 00-0014 SF Single Hung Steel Window Sash	55.52	7.63
08 51 23 00-0015 Casements <small>(08 51 23 00-0001)</small>		
08 51 23 00-0016 SF Steel Window Casements, 100% Vented Operable, Factory Primed	68.87	3.81
08 51 23 00-0017 SF Steel Window Casements, 50% Vented Operable, Factory Primed	60.31	3.81
08 51 23 00-0018 SF Steel Window Casements, Fixed Sash, Factory Primed	44.16	5.71
08 51 23 00-0019 Mullions <small>(08 51 23 00-0001)</small>		
08 51 23 00-0020 LF Open Faced Steel Mullion	27.53	5.71
08 51 23 00-0021 LF Covered Steel Mullions	43.71	5.71
08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame <small>(08 51 23)</small>		
<small>Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.</small>		
08 51 23 00-0023 SF Removal And Reinstallation Of Metal Window And Frame	19.54	
08 51 69 Metal Storm Windows <small>(08 51)</small>		
08 51 69 00-0001 Storm Windows <small>(08 51 69)</small>		
08 51 69 00-0002 SF Double Hung, Aluminum, Combination Storm And Screen	48.10	3.81



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 52 Wood Windows (08 50)

08 52 11 Wood Windows (08 52)

08 52 11 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11)

Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.

08 52 11 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

<small>(08 52 11 00-0001)</small>	EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	369.37
	For Low-E Insulated Glass, Add	30.30
	For Aluminum Clad Exterior, Add	32.46
08 52 11 00-0004	EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	392.06
	For Low-E Insulated Glass, Add	32.48
	For Aluminum Clad Exterior, Add	34.80
08 52 11 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	416.29
	For Low-E Insulated Glass, Add	34.88
	For Aluminum Clad Exterior, Add	37.37
08 52 11 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	429.18
	For Low-E Insulated Glass, Add	36.18
	For Aluminum Clad Exterior, Add	38.77
08 52 11 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	440.54
	For Low-E Insulated Glass, Add	37.27
	For Aluminum Clad Exterior, Add	39.94
08 52 11 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	454.99
	For Low-E Insulated Glass, Add	38.80
	For Aluminum Clad Exterior, Add	41.57
08 52 11 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	461.71
	For Low-E Insulated Glass, Add	39.24
	For Aluminum Clad Exterior, Add	42.05
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	490.57
	For Low-E Insulated Glass, Add	42.29
	For Aluminum Clad Exterior, Add	45.31
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	514.82
	For Low-E Insulated Glass, Add	44.69
	For Aluminum Clad Exterior, Add	47.88

08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

<small>(08 52 11 00-0001)</small>	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	392.06
	For Low-E Insulated Glass, Add	32.48
	For Aluminum Clad Exterior, Add	34.80
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	416.29
	For Low-E Insulated Glass, Add	34.88
	For Aluminum Clad Exterior, Add	37.37
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	436.97
	For Low-E Insulated Glass, Add	37.27
	For Aluminum Clad Exterior, Add	39.94
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	454.99
	For Low-E Insulated Glass, Add	38.80
	For Aluminum Clad Exterior, Add	41.57
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	466.33
	For Low-E Insulated Glass, Add	39.89
	For Aluminum Clad Exterior, Add	42.74
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	479.22
	For Low-E Insulated Glass, Add	41.20
	For Aluminum Clad Exterior, Add	44.14
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	490.57
	For Low-E Insulated Glass, Add	42.29
	For Aluminum Clad Exterior, Add	45.31
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	514.82
	For Low-E Insulated Glass, Add	44.69
	For Aluminum Clad Exterior, Add	47.88
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	539.05
	For Low-E Insulated Glass, Add	47.08
	For Aluminum Clad Exterior, Add	50.45

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

<small>(08 52 11 00-0001)</small>	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	403.17
	For Low-E Insulated Glass, Add	33.79
	For Aluminum Clad Exterior, Add	36.20
08 52 11 00-0024	EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	427.40
	For Low-E Insulated Glass, Add	36.18
	For Aluminum Clad Exterior, Add	38.77
08 52 11 00-0025	EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	453.21
	For Low-E Insulated Glass, Add	38.80
	For Aluminum Clad Exterior, Add	41.57
08 52 11 00-0026	EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	464.55
	For Low-E Insulated Glass, Add	39.89
	For Aluminum Clad Exterior, Add	42.74

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 11 00-0027	EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	477.45 41.20 44.14	
08 52 11 00-0028	EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	488.79 42.29 45.31	
08 52 11 00-0029	EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	501.69 43.59 46.71	
08 52 11 00-0030	EA 40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	524.38 45.77 49.04	
08 52 11 00-0031	EA 44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	548.62 48.17 51.61	
08 52 11 00-0032	38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA 20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	418.06 34.88 37.37	
08 52 11 00-0034	EA 24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	442.31 37.27 39.94	
08 52 11 00-0035	EA 28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	468.11 39.89 42.74	
08 52 11 00-0036	EA 30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	481.00 41.20 44.14	
08 52 11 00-0037	EA 32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	492.35 42.29 45.31	
08 52 11 00-0038	EA 34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	505.25 43.59 46.71	
08 52 11 00-0039	EA 36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	516.60 44.69 47.88	
08 52 11 00-0040	EA 40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	540.83 47.08 50.45	
08 52 11 00-0041	EA 44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	565.07 49.48 53.01	
08 52 11 00-0042	46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0043	EA 20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	466.33 39.89 42.74	
08 52 11 00-0044	EA 24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	490.57 42.29 45.31	
08 52 11 00-0045	EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	514.82 44.69 47.88	
08 52 11 00-0046	EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	526.15 45.77 49.04	
08 52 11 00-0047	EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	539.05 47.08 50.45	
08 52 11 00-0048	EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	550.40 48.17 51.61	
08 52 11 00-0049	EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	563.29 49.48 53.01	
08 52 11 00-0050	EA 40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	587.54 51.88 55.58	
08 52 11 00-0051	EA 44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	613.33 54.49 58.39	
08 52 11 00-0052	48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0053	EA 20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	477.45 41.20 44.14	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0054 EA 24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	501.69 43.59 46.71	
08 52 11 00-0055 EA 28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	524.38 45.77 49.04	
08 52 11 00-0056 EA 30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	537.27 47.08 50.45	
08 52 11 00-0057 EA 32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	548.62 48.17 51.61	
08 52 11 00-0058 EA 34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	561.51 49.48 53.01	
08 52 11 00-0059 EA 36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	572.85 50.57 54.18	
08 52 11 00-0060 EA 40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	598.66 53.19 56.99	
08 52 11 00-0061 EA 44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	622.89 55.58 59.55	
08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0063 EA 20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	492.35 42.29 45.31	
08 52 11 00-0064 EA 24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	516.60 44.69 47.88	
08 52 11 00-0065 EA 28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	540.83 47.08 50.45	
08 52 11 00-0066 EA 30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	552.17 48.17 51.61	
08 52 11 00-0067 EA 32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	565.07 49.48 53.01	
08 52 11 00-0068 EA 34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	576.40 50.57 54.18	
08 52 11 00-0069 EA 36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	589.32 51.88 55.58	
08 52 11 00-0070 EA 40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	615.11 54.49 58.39	
08 52 11 00-0071 EA 44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	639.35 56.89 60.96	
08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0073 EA 20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	516.60 44.69 47.88	
08 52 11 00-0074 EA 24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	540.83 47.08 50.45	
08 52 11 00-0075 EA 28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	565.07 49.48 53.01	
08 52 11 00-0076 EA 30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	576.40 50.57 54.18	
08 52 11 00-0077 EA 32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	589.32 51.88 55.58	
08 52 11 00-0078 EA 34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	602.22 53.19 56.99	
08 52 11 00-0079 EA 36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	615.11 54.49 58.39	
08 52 11 00-0080 EA 40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	639.35 56.89 60.96	
08 52 11 00-0081 EA 44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	663.59 59.29 63.52	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	539.05		
		<i>For Low-E Insulated Glass, Add</i>	47.08		
		<i>For Aluminum Clad Exterior, Add</i>	50.45		
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	563.29		
		<i>For Low-E Insulated Glass, Add</i>	49.48		
		<i>For Aluminum Clad Exterior, Add</i>	53.01		
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	587.54		
		<i>For Low-E Insulated Glass, Add</i>	51.88		
		<i>For Aluminum Clad Exterior, Add</i>	55.58		
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	600.44		
		<i>For Low-E Insulated Glass, Add</i>	53.19		
		<i>For Aluminum Clad Exterior, Add</i>	56.99		
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	613.33		
		<i>For Low-E Insulated Glass, Add</i>	54.49		
		<i>For Aluminum Clad Exterior, Add</i>	58.39		
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	624.67		
		<i>For Low-E Insulated Glass, Add</i>	55.58		
		<i>For Aluminum Clad Exterior, Add</i>	59.55		
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	637.57		
		<i>For Low-E Insulated Glass, Add</i>	56.89		
		<i>For Aluminum Clad Exterior, Add</i>	60.96		
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	661.80		
		<i>For Low-E Insulated Glass, Add</i>	59.29		
		<i>For Aluminum Clad Exterior, Add</i>	63.52		
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	684.50		
		<i>For Low-E Insulated Glass, Add</i>	61.47		
		<i>For Aluminum Clad Exterior, Add</i>	65.86		
08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	548.62		
		<i>For Low-E Insulated Glass, Add</i>	48.17		
		<i>For Aluminum Clad Exterior, Add</i>	51.61		
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	572.85		
		<i>For Low-E Insulated Glass, Add</i>	50.57		
		<i>For Aluminum Clad Exterior, Add</i>	54.18		
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	598.66		
		<i>For Low-E Insulated Glass, Add</i>	53.19		
		<i>For Aluminum Clad Exterior, Add</i>	56.99		
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	611.56		
		<i>For Low-E Insulated Glass, Add</i>	54.49		
		<i>For Aluminum Clad Exterior, Add</i>	58.39		
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	622.89		
		<i>For Low-E Insulated Glass, Add</i>	55.58		
		<i>For Aluminum Clad Exterior, Add</i>	59.55		
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	635.80		
		<i>For Low-E Insulated Glass, Add</i>	56.89		
		<i>For Aluminum Clad Exterior, Add</i>	60.96		
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	647.13		
		<i>For Low-E Insulated Glass, Add</i>	57.98		
		<i>For Aluminum Clad Exterior, Add</i>	62.12		
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	671.38		
		<i>For Low-E Insulated Glass, Add</i>	60.38		
		<i>For Aluminum Clad Exterior, Add</i>	64.69		
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	695.61		
		<i>For Low-E Insulated Glass, Add</i>	62.78		
		<i>For Aluminum Clad Exterior, Add</i>	67.26		
08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	565.07		
		<i>For Low-E Insulated Glass, Add</i>	49.48		
		<i>For Aluminum Clad Exterior, Add</i>	53.01		
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	589.32		
		<i>For Low-E Insulated Glass, Add</i>	51.88		
		<i>For Aluminum Clad Exterior, Add</i>	55.58		
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	615.11		
		<i>For Low-E Insulated Glass, Add</i>	54.49		
		<i>For Aluminum Clad Exterior, Add</i>	58.39		
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	626.45		
		<i>For Low-E Insulated Glass, Add</i>	55.58		
		<i>For Aluminum Clad Exterior, Add</i>	59.55		
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	639.35		
		<i>For Low-E Insulated Glass, Add</i>	56.89		
		<i>For Aluminum Clad Exterior, Add</i>	60.96		
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	650.69		
		<i>For Low-E Insulated Glass, Add</i>	57.98		
		<i>For Aluminum Clad Exterior, Add</i>	62.12		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0109 EA 36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	663.59 59.29 63.52	
08 52 11 00-0110 EA 40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	686.27 61.47 65.86	
08 52 11 00-0111 EA 44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	710.51 63.87 68.43	
08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0113 EA 20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	589.32 51.88 55.58	
08 52 11 00-0114 EA 24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	615.11 54.49 58.39	
08 52 11 00-0115 EA 28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	639.35 56.89 60.96	
08 52 11 00-0116 EA 30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	650.69 57.98 62.12	
08 52 11 00-0117 EA 32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	663.59 59.29 63.52	
08 52 11 00-0118 EA 34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	674.94 60.38 64.69	
08 52 11 00-0119 EA 36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	686.27 61.47 65.86	
08 52 11 00-0120 EA 40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	710.51 63.87 68.43	
08 52 11 00-0121 EA 44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	734.75 66.26 71.00	
08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0123 EA 20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	613.33 54.49 58.39	
08 52 11 00-0124 EA 24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	637.57 56.89 60.96	
08 52 11 00-0125 EA 28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	661.80 59.29 63.52	
08 52 11 00-0126 EA 30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	673.16 60.38 64.69	
08 52 11 00-0127 EA 32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	684.50 61.47 65.86	
08 52 11 00-0128 EA 34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	702.01 63.42 67.95	
08 52 11 00-0129 EA 36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	710.36 64.09 68.67	
08 52 11 00-0130 EA 40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	732.97 66.26 71.00	
08 52 11 00-0131 EA 44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	758.78 68.88 73.80	
08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0133 EA 20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	639.35 56.89 60.96	
08 52 11 00-0134 EA 24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	663.59 59.29 63.52	
08 52 11 00-0135 EA 28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	686.27 61.47 65.86	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	699.17	
			<i>For Low-E Insulated Glass, Add</i>	62.78	
			<i>For Aluminum Clad Exterior, Add</i>	67.26	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	710.51	
			<i>For Low-E Insulated Glass, Add</i>	63.87	
			<i>For Aluminum Clad Exterior, Add</i>	68.43	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	723.41	
			<i>For Low-E Insulated Glass, Add</i>	65.17	
			<i>For Aluminum Clad Exterior, Add</i>	69.83	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	734.75	
			<i>For Low-E Insulated Glass, Add</i>	66.26	
			<i>For Aluminum Clad Exterior, Add</i>	71.00	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	760.56	
			<i>For Low-E Insulated Glass, Add</i>	68.88	
			<i>For Aluminum Clad Exterior, Add</i>	73.80	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	784.79	
			<i>For Low-E Insulated Glass, Add</i>	71.28	
			<i>For Aluminum Clad Exterior, Add</i>	76.37	
08 52 11 00-0142			78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	670.70	
			<i>For Low-E Insulated Glass, Add</i>	59.29	
			<i>For Aluminum Clad Exterior, Add</i>	63.52	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	693.38	
			<i>For Low-E Insulated Glass, Add</i>	61.47	
			<i>For Aluminum Clad Exterior, Add</i>	65.86	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	717.63	
			<i>For Low-E Insulated Glass, Add</i>	63.87	
			<i>For Aluminum Clad Exterior, Add</i>	68.43	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	730.53	
			<i>For Low-E Insulated Glass, Add</i>	65.17	
			<i>For Aluminum Clad Exterior, Add</i>	69.83	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	741.87	
			<i>For Low-E Insulated Glass, Add</i>	66.26	
			<i>For Aluminum Clad Exterior, Add</i>	71.00	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	754.77	
			<i>For Low-E Insulated Glass, Add</i>	67.57	
			<i>For Aluminum Clad Exterior, Add</i>	72.40	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	767.67	
			<i>For Low-E Insulated Glass, Add</i>	68.88	
			<i>For Aluminum Clad Exterior, Add</i>	73.80	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	791.90	
			<i>For Low-E Insulated Glass, Add</i>	71.28	
			<i>For Aluminum Clad Exterior, Add</i>	76.37	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	816.15	
			<i>For Low-E Insulated Glass, Add</i>	73.68	
			<i>For Aluminum Clad Exterior, Add</i>	78.94	
08 52 11 00-0152			Commercial And Institutional Heavy Double Hung Windows <small>(08 52 11)</small>		
			Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite	174.46	15.88
			<i>For Insulating Glass, Add</i>	12.13	
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite	163.05	17.66
			<i>For Insulating Glass, Add</i>	10.86	
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite	152.14	19.82
			<i>For Insulating Glass, Add</i>	9.56	
08 52 11 00-0156			Architectural And Historic Reproduction Wood Windows <small>(08 52 11)</small>		
			Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window	189.52	15.87
			<i>For Insulating Glass, Add</i>	13.41	
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window.....	171.18	17.65
			<i>For Insulating Glass, Add</i>	11.55	
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window.....	156.91	19.81
			<i>For Insulating Glass, Add</i>	9.96	
08 52 11 00-0160			Removal And Reinstallation Of Wood Window And Frame <small>(08 52 11)</small>		
			Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames.....	30.32	
08 52 16			Plastic-Clad Wood Windows <small>(08 52)</small>		
08 52 16 00-0001			Double Hung Wood Clad Windows <small>(08 52 16)</small>		
			Note: Double hung windows feature two movable sashes that operate vertically and open independently.		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0004 EA 23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	326.18	58.43
For Low-E Insulated Glass, Add	25.12	
For Tempered Clear Insulated Glass, Add	41.86	
08 52 16 00-0005 EA 27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	344.85	60.98
For Low-E Insulated Glass, Add	26.75	
For Tempered Clear Insulated Glass, Add	44.58	
08 52 16 00-0006 EA 31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	362.37	63.51
For Low-E Insulated Glass, Add	28.24	
For Tempered Clear Insulated Glass, Add	47.07	
08 52 16 00-0007 EA 35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	379.90	66.06
For Low-E Insulated Glass, Add	29.73	
For Tempered Clear Insulated Glass, Add	49.56	
08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0009 EA 23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	353.03	62.25
For Low-E Insulated Glass, Add	27.42	
For Tempered Clear Insulated Glass, Add	45.71	
08 52 16 00-0010 EA 27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	371.70	64.79
For Low-E Insulated Glass, Add	29.05	
For Tempered Clear Insulated Glass, Add	48.42	
08 52 16 00-0011 EA 31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	389.22	67.33
For Low-E Insulated Glass, Add	30.55	
For Tempered Clear Insulated Glass, Add	50.91	
08 52 16 00-0012 EA 35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	406.75	69.87
For Low-E Insulated Glass, Add	32.04	
For Tempered Clear Insulated Glass, Add	53.40	
08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0014 EA 23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	379.90	66.06
For Low-E Insulated Glass, Add	29.73	
For Tempered Clear Insulated Glass, Add	49.56	
08 52 16 00-0015 EA 27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	397.42	68.60
For Low-E Insulated Glass, Add	31.23	
For Tempered Clear Insulated Glass, Add	52.04	
08 52 16 00-0016 EA 31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	416.08	71.14
For Low-E Insulated Glass, Add	32.86	
For Tempered Clear Insulated Glass, Add	54.76	
08 52 16 00-0017 EA 35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	433.60	73.68
For Low-E Insulated Glass, Add	34.35	
For Tempered Clear Insulated Glass, Add	57.25	
08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0019 EA 23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	406.75	69.87
For Low-E Insulated Glass, Add	32.04	
For Tempered Clear Insulated Glass, Add	53.40	
08 52 16 00-0020 EA 27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	424.28	72.41
For Low-E Insulated Glass, Add	33.54	
For Tempered Clear Insulated Glass, Add	55.89	
08 52 16 00-0021 EA 31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	441.80	74.95
For Low-E Insulated Glass, Add	35.03	
For Tempered Clear Insulated Glass, Add	58.38	
08 52 16 00-0022 EA 35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	460.46	77.49
For Low-E Insulated Glass, Add	36.66	
For Tempered Clear Insulated Glass, Add	61.10	
08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0024 EA 19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	402.09	69.87
For Low-E Insulated Glass, Add	31.63	
For Tempered Clear Insulated Glass, Add	52.72	
08 52 16 00-0025 EA 23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	419.61	71.78
For Low-E Insulated Glass, Add	33.13	
For Tempered Clear Insulated Glass, Add	55.21	
08 52 16 00-0026 EA 27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	438.27	74.95
For Low-E Insulated Glass, Add	34.76	
For Tempered Clear Insulated Glass, Add	57.93	
08 52 16 00-0027 EA 31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	455.79	77.49
For Low-E Insulated Glass, Add	36.25	
For Tempered Clear Insulated Glass, Add	60.42	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	473.32 37.74 62.91	80.04
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	490.84 39.24 65.39	82.57
08 52 16 00-0030			59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	416.08 32.86 54.76	71.14
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	433.60 34.35 57.25	73.68
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	451.13 35.84 59.74	76.22
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	468.66 37.34 62.23	78.76
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	486.19 38.83 64.72	81.30
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	504.85 40.46 67.43	83.85
08 52 16 00-0037			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	460.46 36.66 61.10	77.49
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	477.99 38.15 63.58	80.04
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	495.52 39.64 66.07	82.57
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	513.04 41.14 68.56	85.12
08 52 16 00-0042			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	486.19 38.83 64.72	81.30
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	504.85 40.46 67.43	83.85
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	522.37 41.95 69.92	86.38
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	539.90 43.45 72.41	88.93
08 52 16 00-0047			Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	392.79 55.44	58.43
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	415.98 59.06	60.35
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.29 62.91	62.88
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	453.02 64.94	64.79
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.60 66.75	66.06
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	476.20 68.56	67.33
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.92 70.60	67.96



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0056 EA 41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	512.11 74.22	70.51
08 52 16 00-0057 EA 45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	536.43 78.07	73.04
08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0059 EA 21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	415.98 59.06	60.98
08 52 16 00-0060 EA 25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.29 62.91	62.88
08 52 16 00-0061 EA 29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.60 66.75	65.43
08 52 16 00-0062 EA 31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	476.20 68.56	67.33
08 52 16 00-0063 EA 33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.92 70.60	68.60
08 52 16 00-0064 EA 35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.52 72.41	69.87
08 52 16 00-0065 EA 37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	512.11 74.22	70.51
08 52 16 00-0066 EA 41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	536.43 78.07	73.04
08 52 16 00-0067 EA 45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.75 81.91	75.59
08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0069 EA 21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.29 62.91	63.51
08 52 16 00-0070 EA 25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.60 66.75	65.43
08 52 16 00-0071 EA 29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.92 70.60	67.96
08 52 16 00-0072 EA 31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.52 72.41	69.87
08 52 16 00-0073 EA 33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	512.11 74.22	71.14
08 52 16 00-0074 EA 35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	524.83 76.26	72.41
08 52 16 00-0075 EA 37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	536.43 78.07	73.04
08 52 16 00-0076 EA 41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.75 81.91	75.59
08 52 16 00-0077 EA 45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	585.06 85.76	78.12
08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079 EA 21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.60 66.75	66.06
08 52 16 00-0080 EA 25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.92 70.60	67.96
08 52 16 00-0081 EA 29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	512.11 74.22	70.51
08 52 16 00-0082 EA 31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	524.83 76.26	72.41
08 52 16 00-0083 EA 33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	536.43 78.07	73.68
08 52 16 00-0084 EA 35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	548.01 79.88	74.95
08 52 16 00-0085 EA 37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.75 81.91	75.59
08 52 16 00-0086 EA 41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	585.06 85.76	78.12
08 52 16 00-0087 EA 45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	608.24 89.38	80.67
08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089 EA 21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.92 70.60	68.60
08 52 16 00-0090 EA 25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	512.11 74.22	70.51
08 52 16 00-0091 EA 29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	536.43 78.07	73.04
08 52 16 00-0092 EA 31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	548.01 79.88	74.95

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0093 EA 33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	560.75	76.22
For Tempered Low-E Insulated Glass, Add	81.91	
08 52 16 00-0094 EA 35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	572.33	77.49
For Tempered Low-E Insulated Glass, Add	83.72	
08 52 16 00-0095 EA 37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.06	78.12
For Tempered Low-E Insulated Glass, Add	85.76	
08 52 16 00-0096 EA 41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	608.24	80.67
For Tempered Low-E Insulated Glass, Add	89.38	
08 52 16 00-0097 EA 45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	632.56	83.20
For Tempered Low-E Insulated Glass, Add	93.23	
08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0099 EA 21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	512.11	71.14
For Tempered Low-E Insulated Glass, Add	74.22	
08 52 16 00-0100 EA 25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	536.43	73.04
For Tempered Low-E Insulated Glass, Add	78.07	
08 52 16 00-0101 EA 29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	560.75	75.59
For Tempered Low-E Insulated Glass, Add	81.91	
08 52 16 00-0102 EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	572.33	77.49
For Tempered Low-E Insulated Glass, Add	83.72	
08 52 16 00-0103 EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.06	78.76
For Tempered Low-E Insulated Glass, Add	85.76	
08 52 16 00-0104 EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	596.64	80.04
For Tempered Low-E Insulated Glass, Add	87.57	
08 52 16 00-0105 EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	608.24	80.67
For Tempered Low-E Insulated Glass, Add	89.38	
08 52 16 00-0106 EA 41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	632.56	83.20
For Tempered Low-E Insulated Glass, Add	93.23	
08 52 16 00-0107 EA 45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.87	85.75
For Tempered Low-E Insulated Glass, Add	97.07	
08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0109 EA 21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	536.43	73.68
For Tempered Low-E Insulated Glass, Add	78.07	
08 52 16 00-0110 EA 25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	560.75	75.59
For Tempered Low-E Insulated Glass, Add	81.91	
08 52 16 00-0111 EA 29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.06	78.12
For Tempered Low-E Insulated Glass, Add	85.76	
08 52 16 00-0112 EA 31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	596.64	80.04
For Tempered Low-E Insulated Glass, Add	87.57	
08 52 16 00-0113 EA 33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	608.24	81.30
For Tempered Low-E Insulated Glass, Add	89.38	
08 52 16 00-0114 EA 35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	620.96	82.57
For Tempered Low-E Insulated Glass, Add	91.42	
08 52 16 00-0115 EA 37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	632.56	83.20
For Tempered Low-E Insulated Glass, Add	93.23	
08 52 16 00-0116 EA 41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.87	85.75
For Tempered Low-E Insulated Glass, Add	97.07	
08 52 16 00-0117 EA 45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	680.05	88.29
For Tempered Low-E Insulated Glass, Add	100.69	
08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0119 EA 21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	560.75	76.22
For Tempered Low-E Insulated Glass, Add	81.91	
08 52 16 00-0120 EA 25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.06	78.12
For Tempered Low-E Insulated Glass, Add	85.76	
08 52 16 00-0121 EA 29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	608.24	80.67
For Tempered Low-E Insulated Glass, Add	89.38	
08 52 16 00-0122 EA 31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	620.96	82.57
For Tempered Low-E Insulated Glass, Add	91.42	
08 52 16 00-0123 EA 33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	632.56	83.85
For Tempered Low-E Insulated Glass, Add	93.23	
08 52 16 00-0124 EA 35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	644.14	85.12
For Tempered Low-E Insulated Glass, Add	95.04	
08 52 16 00-0125 EA 37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.87	85.75
For Tempered Low-E Insulated Glass, Add	97.07	
08 52 16 00-0126 EA 41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	680.05	88.29
For Tempered Low-E Insulated Glass, Add	100.69	
08 52 16 00-0127 EA 45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	704.37	90.83
For Tempered Low-E Insulated Glass, Add	104.54	
08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0129 EA 21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.06	78.76
For Tempered Low-E Insulated Glass, Add	85.76	



		Openings	08
		Windows	08 50
		Wood Windows	08 52

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0130	EA 25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	608.24 89.38	80.67
08 52 16 00-0131	EA 29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	632.56 93.23	83.20
08 52 16 00-0132	EA 31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	644.14 95.04	85.12
08 52 16 00-0133	EA 33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	656.87 97.07	86.38
08 52 16 00-0134	EA 35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	668.45 98.88	87.65
08 52 16 00-0135	EA 37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	680.05 100.69	88.29
08 52 16 00-0136	EA 41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	704.37 104.54	90.83
08 52 16 00-0137	EA 45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	728.68 108.39	93.38
08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>			
08 52 16 00-0139	EA 21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	608.24 89.38	81.30
08 52 16 00-0140	EA 25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	632.56 93.23	83.20
08 52 16 00-0141	EA 29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	656.87 97.07	85.75
08 52 16 00-0142	EA 31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	668.45 98.88	87.65
08 52 16 00-0143	EA 33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	680.05 100.69	88.93
08 52 16 00-0144	EA 35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	692.78 102.73	90.20
08 52 16 00-0145	EA 37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	704.37 104.54	90.83
08 52 16 00-0146	EA 41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	728.68 108.39	93.38
08 52 16 00-0147	EA 45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.99 112.23	95.91
08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>			
08 52 16 00-0149	EA 21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	632.56 93.23	83.85
08 52 16 00-0150	EA 25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	656.87 97.07	85.75
08 52 16 00-0151	EA 29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	680.05 100.69	88.29
08 52 16 00-0152	EA 31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	692.78 102.73	90.20
08 52 16 00-0153	EA 33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	704.37 104.54	91.46
08 52 16 00-0154	EA 35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	717.10 106.58	92.73
08 52 16 00-0155	EA 37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	728.68 108.39	93.38
08 52 16 00-0156	EA 41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.99 112.23	95.91
08 52 16 00-0157	EA 45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	776.18 115.86	98.46
08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>			
08 52 16 00-0159	EA 21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	949.33 154.55	88.93
08 52 16 00-0160	EA 25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	982.69 160.21	90.83
08 52 16 00-0161	EA 29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,016.06 165.86	93.38
08 52 16 00-0162	EA 31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,032.18 168.58	95.28
08 52 16 00-0163	EA 33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,049.42 171.52	96.55
08 52 16 00-0164	EA 35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,065.55 174.24	97.81
08 52 16 00-0165	EA 37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,081.65 176.95	98.46
08 52 16 00-0166	EA 41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,115.02 182.61	100.99
08 52 16 00-0167	EA 45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,148.39 188.26	103.54

08 Openings

08 50 Windows

08 52 Wood Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0168			88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	982.69	91.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.21	
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,016.06	93.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.86	
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,049.42	95.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.52	
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,065.55	97.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	174.24	
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,081.65	99.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	176.95	
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,098.91	100.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	179.89	
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,115.02	100.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	182.61	
08 52 16 00-0176	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,148.39	103.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	188.26	
08 52 16 00-0177	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,181.76	106.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	193.92	
08 52 16 00-0178			Casement Wood Clad Windows <small>(08 52 16)</small>		
			Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
08 52 16 00-0179			Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0178)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180			One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0181			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	360.06	48.27
			<i>For Tempered Clear Insulated Glass, Add</i>	52.96	
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	380.30	49.54
			<i>For Tempered Clear Insulated Glass, Add</i>	56.24	
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	403.17	52.09
			<i>For Tempered Clear Insulated Glass, Add</i>	59.80	
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	424.38	54.62
			<i>For Tempered Clear Insulated Glass, Add</i>	63.03	
08 52 16 00-0186			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	385.67	50.82
			<i>For Tempered Clear Insulated Glass, Add</i>	57.06	
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	405.91	52.09
			<i>For Tempered Clear Insulated Glass, Add</i>	60.35	
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	428.79	54.62
			<i>For Tempered Clear Insulated Glass, Add</i>	63.91	
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	440.90	57.17
			<i>For Tempered Clear Insulated Glass, Add</i>	65.31	
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	466.78	59.70
			<i>For Tempered Clear Insulated Glass, Add</i>	69.73	
08 52 16 00-0192			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	431.52	54.62
			<i>For Tempered Clear Insulated Glass, Add</i>	64.45	
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	453.14	57.17
			<i>For Tempered Clear Insulated Glass, Add</i>	68.01	
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	476.02	59.07
			<i>For Tempered Clear Insulated Glass, Add</i>	71.57	
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	511.21	61.61
			<i>For Tempered Clear Insulated Glass, Add</i>	77.60	
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	544.41	63.51
			<i>For Tempered Clear Insulated Glass, Add</i>	83.47	
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	576.43	64.79
			<i>For Tempered Clear Insulated Glass, Add</i>	89.37	
08 52 16 00-0199			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	462.51	58.43
			<i>For Tempered Clear Insulated Glass, Add</i>	69.38	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	482.75 72.67	59.70
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	505.63 76.23	62.25
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	555.89 85.26	64.79
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	590.62 91.45	67.33
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	623.65 97.04	69.87
08 52 16 00-0206		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	506.90 76.23	63.51
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	528.51 79.79	64.79
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	551.39 83.35	67.33
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	620.12 96.08	69.87
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	647.56 100.80	72.41
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	688.56 107.99	74.95
08 52 16 00-0213		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	536.62 81.16	66.06
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	556.86 84.44	67.33
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	579.74 88.00	69.87
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	664.22 103.88	72.41
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	704.63 111.20	74.95
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	731.97 115.65	77.49
08 52 16 00-0220		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	579.74 88.00	69.87
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	601.35 91.56	72.41
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	624.22 95.12	74.32
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	727.86 114.83	76.86
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	756.84 119.86	78.76
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	795.63 126.60	81.30
08 52 16 00-0227		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	610.74 92.93	73.68
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	630.97 96.21	74.95
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	653.84 99.77	77.49
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	772.55 122.50	80.04
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	799.57 127.14	82.57
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	840.30 134.27	85.12
08 52 16 00-0234		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	653.84 99.77	77.49

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0236 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	675.45	80.04
<i>For Tempered Clear Insulated Glass, Add</i>	103.33	
08 52 16 00-0237 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	698.33	81.94
<i>For Tempered Clear Insulated Glass, Add</i>	106.89	
08 52 16 00-0238 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	836.19	84.48
<i>For Tempered Clear Insulated Glass, Add</i>	133.45	
08 52 16 00-0239 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	869.12	86.38
<i>For Tempered Clear Insulated Glass, Add</i>	139.27	
08 52 16 00-0240 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	903.95	88.93
<i>For Tempered Clear Insulated Glass, Add</i>	145.22	
08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0243 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	631.49	62.25
<i>For Tempered Clear Insulated Glass, Add</i>	101.40	
08 52 16 00-0244 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	715.79	67.33
<i>For Tempered Clear Insulated Glass, Add</i>	116.23	
08 52 16 00-0245 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	812.97	72.41
<i>For Tempered Clear Insulated Glass, Add</i>	133.63	
08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0247 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	680.02	64.79
<i>For Tempered Clear Insulated Glass, Add</i>	110.09	
08 52 16 00-0248 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	764.31	69.87
<i>For Tempered Clear Insulated Glass, Add</i>	124.91	
08 52 16 00-0249 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	861.49	74.95
<i>For Tempered Clear Insulated Glass, Add</i>	142.32	
08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0251 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	674.20	64.79
<i>For Tempered Clear Insulated Glass, Add</i>	108.92	
08 52 16 00-0252 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	759.75	69.87
<i>For Tempered Clear Insulated Glass, Add</i>	124.26	
08 52 16 00-0253 EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	849.30	74.95
<i>For Tempered Clear Insulated Glass, Add</i>	140.13	
08 52 16 00-0254 EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	952.55	79.40
<i>For Tempered Clear Insulated Glass, Add</i>	158.75	
08 52 16 00-0255 EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,021.95	83.20
<i>For Tempered Clear Insulated Glass, Add</i>	171.11	
08 52 16 00-0256 EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,137.25	88.93
<i>For Tempered Clear Insulated Glass, Add</i>	191.88	
08 52 16 00-0257 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0258 EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	733.92	67.96
<i>For Tempered Clear Insulated Glass, Add</i>	119.60	
08 52 16 00-0259 EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	819.48	72.41
<i>For Tempered Clear Insulated Glass, Add</i>	134.93	
08 52 16 00-0260 EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	909.04	77.49
<i>For Tempered Clear Insulated Glass, Add</i>	150.81	
08 52 16 00-0261 EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,012.30	82.57
<i>For Tempered Clear Insulated Glass, Add</i>	169.43	
08 52 16 00-0262 EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,088.95	86.38
<i>For Tempered Clear Insulated Glass, Add</i>	183.24	
08 52 16 00-0263 EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,406.44	92.10
<i>For Tempered Clear Insulated Glass, Add</i>	244.45	
08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0265 EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	822.13	73.04
<i>For Tempered Clear Insulated Glass, Add</i>	135.21	
08 52 16 00-0266 EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	909.04	77.49
<i>For Tempered Clear Insulated Glass, Add</i>	150.81	
08 52 16 00-0267 EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	998.61	82.57
<i>For Tempered Clear Insulated Glass, Add</i>	166.69	
08 52 16 00-0268 EA 56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,101.85	87.65
<i>For Tempered Clear Insulated Glass, Add</i>	185.31	
08 52 16 00-0269 EA 62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,175.36	91.46
<i>For Tempered Clear Insulated Glass, Add</i>	198.49	
08 52 16 00-0270 EA 71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,286.55	97.18
<i>For Tempered Clear Insulated Glass, Add</i>	218.44	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0272 EA 33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	880.60 145.88	75.59
08 52 16 00-0273 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	966.15 161.22	80.04
08 52 16 00-0274 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,045.55 175.06	85.12
08 52 16 00-0275 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,158.95 195.71	90.20
08 52 16 00-0276 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,235.89 209.58	94.01
08 52 16 00-0277 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,345.02 229.11	99.72
08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0279 EA 33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	967.52 161.49	80.04
08 52 16 00-0280 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,053.06 176.82	85.12
08 52 16 00-0281 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,142.63 192.70	90.20
08 52 16 00-0282 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,245.88 211.32	94.64
08 52 16 00-0283 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,322.80 225.18	98.46
08 52 16 00-0284 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,430.57 244.45	104.17
08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0286 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,027.26 172.17	83.20
08 52 16 00-0287 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,112.81 187.50	87.65
08 52 16 00-0288 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,203.73 203.65	92.73
08 52 16 00-0289 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,306.99 222.27	97.81
08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0291 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,114.18 187.77	87.65
08 52 16 00-0292 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,199.73 203.10	92.73
08 52 16 00-0293 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,289.29 218.98	97.81
08 52 16 00-0294 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,392.54 237.60	102.26
08 52 16 00-0295 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0296 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0297 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	991.97 165.62	81.94
08 52 16 00-0298 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,151.00 194.12	90.20
08 52 16 00-0299 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0300 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,051.27 176.46	84.48
08 52 16 00-0301 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,200.15 202.94	92.73

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,012.57	82.57
		<i>For Tempered Clear Insulated Glass, Add</i>	169.48	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,139.99	88.93
		<i>For Tempered Clear Insulated Glass, Add</i>	192.43	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,297.51	97.81
		<i>For Tempered Clear Insulated Glass, Add</i>	220.63	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,069.52	86.38
		<i>For Tempered Clear Insulated Glass, Add</i>	179.60	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,201.10	92.10
		<i>For Tempered Clear Insulated Glass, Add</i>	203.38	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,357.24	100.36
		<i>For Tempered Clear Insulated Glass, Add</i>	231.30	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,289.29	97.18
		<i>For Tempered Clear Insulated Glass, Add</i>	218.98	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,445.43	105.44
		<i>For Tempered Clear Insulated Glass, Add</i>	246.91	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,347.76	99.72
		<i>For Tempered Clear Insulated Glass, Add</i>	229.66	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,503.90	107.98
		<i>For Tempered Clear Insulated Glass, Add</i>	257.59	
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,433.31	104.17
		<i>For Tempered Clear Insulated Glass, Add</i>	244.99	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,590.82	113.07
		<i>For Tempered Clear Insulated Glass, Add</i>	273.19	
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	423.71	48.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	65.69	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	448.06	49.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	69.79	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	475.38	52.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.24	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	500.63	54.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	78.28	
08 52 16 00-0326		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	454.46	50.82
		<i>For Tempered Low-E Insulated Glass, Add</i>	70.82	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	478.81	52.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.93	



	Openings	08
	Windows	08 50
	Wood Windows	08 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	506.13 79.38	54.62
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	520.00 81.13	57.17
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	551.40 86.65	59.70
08 52 16 00-0332			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	509.55 80.06	54.62
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	535.62 84.51	57.17
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	562.94 88.96	59.07
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	605.67 96.49	61.61
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	646.21 103.83	63.51
08 52 16 00-0338	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	685.60 111.20	64.79
08 52 16 00-0339			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0340	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	546.70 86.22	58.43
08 52 16 00-0341	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	571.05 90.33	59.70
08 52 16 00-0342	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	598.37 94.78	62.25
08 52 16 00-0343	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	659.93 106.07	64.79
08 52 16 00-0344	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	702.38 113.80	67.33
08 52 16 00-0345	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	742.40 120.79	69.87
08 52 16 00-0346			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0347	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	599.64 94.78	63.51
08 52 16 00-0348	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	625.71 99.23	64.79
08 52 16 00-0349	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	653.03 103.67	67.33
08 52 16 00-0350	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	737.67 119.59	69.87
08 52 16 00-0351	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	771.02 125.49	72.41
08 52 16 00-0352	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	821.00 134.47	74.95
08 52 16 00-0353			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0354	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	635.52 100.94	66.06
08 52 16 00-0355	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	659.88 105.04	67.33
08 52 16 00-0356	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	687.20 109.49	69.87
08 52 16 00-0357	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	791.53 129.34	72.41
08 52 16 00-0358	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	841.08 138.49	74.95
08 52 16 00-0359	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	874.00 144.06	77.49
08 52 16 00-0360			59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0361	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	687.20 109.49	69.87
08 52 16 00-0362	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	713.26 113.94	72.41
08 52 16 00-0363	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	740.58 118.39	74.32

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0364 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	868.86	76.86
<i>For Tempered Low-E Insulated Glass, Add</i>	143.03	
08 52 16 00-0365 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	904.12	78.76
<i>For Tempered Low-E Insulated Glass, Add</i>	149.32	
08 52 16 00-0366 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	951.34	81.30
<i>For Tempered Low-E Insulated Glass, Add</i>	157.75	
08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0368 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	724.36	73.68
<i>For Tempered Low-E Insulated Glass, Add</i>	115.65	
08 52 16 00-0369 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	748.70	74.95
<i>For Tempered Low-E Insulated Glass, Add</i>	119.76	
08 52 16 00-0370 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	776.02	77.49
<i>For Tempered Low-E Insulated Glass, Add</i>	124.21	
08 52 16 00-0371 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	923.14	80.04
<i>For Tempered Low-E Insulated Glass, Add</i>	152.61	
08 52 16 00-0372 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	955.96	82.57
<i>For Tempered Low-E Insulated Glass, Add</i>	158.42	
08 52 16 00-0373 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,005.59	85.12
<i>For Tempered Low-E Insulated Glass, Add</i>	167.33	
08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0375 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	776.02	77.49
<i>For Tempered Low-E Insulated Glass, Add</i>	124.21	
08 52 16 00-0376 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	802.08	80.04
<i>For Tempered Low-E Insulated Glass, Add</i>	128.66	
08 52 16 00-0377 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	829.40	81.94
<i>For Tempered Low-E Insulated Glass, Add</i>	133.11	
08 52 16 00-0378 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,000.46	84.48
<i>For Tempered Low-E Insulated Glass, Add</i>	166.30	
08 52 16 00-0379 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,040.67	86.38
<i>For Tempered Low-E Insulated Glass, Add</i>	173.58	
08 52 16 00-0380 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,082.94	88.93
<i>For Tempered Low-E Insulated Glass, Add</i>	181.02	
08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0383 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	753.16	62.25
<i>For Tempered Low-E Insulated Glass, Add</i>	125.73	
08 52 16 00-0384 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	855.99	67.33
<i>For Tempered Low-E Insulated Glass, Add</i>	144.27	
08 52 16 00-0385 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	974.93	72.41
<i>For Tempered Low-E Insulated Glass, Add</i>	166.02	
08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0387 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	812.55	64.79
<i>For Tempered Low-E Insulated Glass, Add</i>	136.59	
08 52 16 00-0388 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	915.37	69.87
<i>For Tempered Low-E Insulated Glass, Add</i>	155.13	
08 52 16 00-0389 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,034.31	74.95
<i>For Tempered Low-E Insulated Glass, Add</i>	176.88	
08 52 16 00-0390 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0391 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	805.27	64.79
<i>For Tempered Low-E Insulated Glass, Add</i>	135.14	
08 52 16 00-0392 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	909.99	69.87
<i>For Tempered Low-E Insulated Glass, Add</i>	154.30	
08 52 16 00-0393 EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,019.39	74.95
<i>For Tempered Low-E Insulated Glass, Add</i>	174.15	
08 52 16 00-0394 EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,145.91	79.40
<i>For Tempered Low-E Insulated Glass, Add</i>	197.42	
08 52 16 00-0395 EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,230.76	83.20
<i>For Tempered Low-E Insulated Glass, Add</i>	212.87	
08 52 16 00-0396 EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,372.02	88.93
<i>For Tempered Low-E Insulated Glass, Add</i>	238.83	
08 52 16 00-0397 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	878.35 148.49	67.96
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	983.07 167.65	72.41
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,092.48 187.50	77.49
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,219.00 210.77	82.57
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,312.92 228.03	86.38
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,706.92 304.54	92.10
08 52 16 00-0404 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)					
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	986.06 167.99	73.04
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,092.48 187.50	77.49
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,201.89 207.35	82.57
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,328.41 230.62	87.65
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,418.38 247.09	91.46
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,554.52 272.03	97.18
08 52 16 00-0411 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)					
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,057.88 181.34	75.59
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,162.59 200.50	80.04
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,261.84 218.32	85.12
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,398.51 243.62	90.20
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,492.77 260.95	94.01
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,626.33 285.38	99.72
08 52 16 00-0418 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)					
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,164.30 200.85	80.04
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,269.01 220.01	85.12
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,378.42 239.86	90.20
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,504.95 263.13	94.64
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,599.20 280.46	98.46
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,731.05 304.54	104.17
08 52 16 00-0425 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)					
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,237.39 214.19	83.20
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,342.10 233.36	87.65
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,453.22 253.55	92.73
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,579.75 276.82	97.81
08 52 16 00-0430 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)					
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,343.81 233.70	87.65
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,448.54 252.87	92.73

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0433 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,557.94 272.71	97.81
08 52 16 00-0434 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,684.46 295.99	102.26
08 52 16 00-0435 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0436 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0437 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,196.45 206.52	81.94
08 52 16 00-0438 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,388.57 241.64	90.20
08 52 16 00-0439 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0440 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,266.77 219.56	84.48
08 52 16 00-0441 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,448.73 252.65	92.73
08 52 16 00-0442 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0443 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,219.35 210.84	82.57
08 52 16 00-0444 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,375.44 239.52	88.93
08 52 16 00-0445 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,568.21 274.77	97.81
08 52 16 00-0446 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0447 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,288.95 223.49	86.38
08 52 16 00-0448 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,450.25 253.21	92.10
08 52 16 00-0449 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,641.29 288.11	100.36
08 52 16 00-0450 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0451 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,557.94 272.71	97.18
08 52 16 00-0452 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,748.99 307.62	105.44
08 52 16 00-0453 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0454 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,629.76 286.06	99.72
08 52 16 00-0455 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,820.80 320.97	107.98
08 52 16 00-0456 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0457 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,734.47 305.23	104.17



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0458	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,927.23 340.48	113.07
08 52 16 00-0459			Awning Wood Clad Windows <small>(08 52 16)</small> Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460			Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0459)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461			Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0462			17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0463	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	390.12 57.19	52.09
08 52 16 00-0464	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	417.10 61.57	54.62
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	439.12 65.21	56.53
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	467.07 69.78	59.07
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	499.42 74.99	62.25
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	549.29 82.93	67.33
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	580.38 88.13	69.87
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	626.23 95.52	74.95
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	644.29 97.86	77.49
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	689.67 105.16	81.94
08 52 16 00-0473			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	411.03 60.61	54.62
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	440.09 65.40	57.17
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	459.17 68.46	58.43
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	490.04 73.62	60.98
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	522.40 78.82	64.79
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	570.89 86.48	69.23
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	601.98 91.69	72.41
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	649.20 99.35	76.22
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	665.67 101.38	80.04
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	712.42 108.95	83.85
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,076.59 178.48	92.73
08 52 16 00-0485			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	437.35 64.86	57.17
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	464.33 69.24	59.70
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	482.83 72.17	60.98
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	514.29 77.45	63.51
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	546.65 82.65	67.33
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	596.51 90.59	71.78
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	627.60 95.79	74.95
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	674.82 103.46	78.76
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	689.67 105.16	82.57

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0495	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		735.01 112.45	86.38
08 52 16 00-0496	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		1,131.59 188.46	95.28
08 52 16 00-0497		28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)			
08 52 16 00-0498	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		438.32 64.03	59.70
08 52 16 00-0499	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		478.99 71.15	62.25
08 52 16 00-0500	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		505.33 75.66	63.51
08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		553.59 84.29	66.06
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		602.38 92.78	69.87
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		674.14 105.10	74.32
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		720.29 113.32	77.49
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		790.79 125.64	81.30
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		817.75 129.76	85.12
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		886.12 141.65	88.93
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		1,162.32 193.59	97.81
08 52 16 00-0509		31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)			
08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		505.33 75.66	63.51
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		533.51 80.53	65.43
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		572.26 87.27	67.96
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		615.77 94.70	71.14
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		679.33 105.38	76.22
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		722.73 113.04	78.76
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		785.03 123.72	83.85
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		828.53 131.15	86.38
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		891.99 142.07	90.83
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		1,236.71 207.71	99.09
08 52 16 00-0520		35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)			
08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		572.26 87.27	67.96
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		626.82 97.16	70.51
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		675.61 105.65	73.68
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		747.37 117.97	78.76
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		794.89 126.46	81.30
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		864.02 138.50	86.38
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		763.12 117.05	88.93
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		817.97 126.25	93.38
08 52 16 00-0529		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)			
08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		667.39 104.01	73.68
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		747.66 118.79	77.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0532 48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0461)		
08 52 16 00-0533 EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series).....	788.44	78.76
<i>For Tempered Clear Insulated Glass, Add</i>	126.18	
08 52 16 00-0534 EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series).....	870.08	82.57
<i>For Tempered Clear Insulated Glass, Add</i>	141.24	
08 52 16 00-0535 EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series).....	989.75	87.02
<i>For Tempered Clear Insulated Glass, Add</i>	163.14	
08 52 16 00-0536 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0461)		
08 52 16 00-0537 EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	969.13	85.75
<i>For Tempered Clear Insulated Glass, Add</i>	159.53	
08 52 16 00-0538 EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,040.86	88.93
<i>For Tempered Clear Insulated Glass, Add</i>	172.60	
08 52 16 00-0539 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0461)		
08 52 16 00-0540 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,055.39	86.38
<i>For Tempered Clear Insulated Glass, Add</i>	176.52	
08 52 16 00-0541 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,094.32	93.38
<i>For Tempered Clear Insulated Glass, Add</i>	181.52	
08 52 16 00-0542 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,207.03	96.55
<i>For Tempered Clear Insulated Glass, Add</i>	202.79	
08 52 16 00-0543 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,323.30	101.63
<i>For Tempered Clear Insulated Glass, Add</i>	224.01	
08 52 16 00-0544 Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0460)		
08 52 16 00-0545 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		
08 52 16 00-0546 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	347.68	52.09
<i>For Tempered Clear Insulated Glass, Add</i>	48.70	
08 52 16 00-0547 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	373.30	54.62
<i>For Tempered Clear Insulated Glass, Add</i>	52.81	
08 52 16 00-0548 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	390.35	56.53
<i>For Tempered Clear Insulated Glass, Add</i>	55.46	
08 52 16 00-0549 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	417.79	59.07
<i>For Tempered Clear Insulated Glass, Add</i>	59.93	
08 52 16 00-0550 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	447.40	62.25
<i>For Tempered Clear Insulated Glass, Add</i>	64.58	
08 52 16 00-0551 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	493.16	67.33
<i>For Tempered Clear Insulated Glass, Add</i>	71.70	
08 52 16 00-0552 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	520.14	69.87
<i>For Tempered Clear Insulated Glass, Add</i>	76.08	
08 52 16 00-0553 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	563.26	74.95
<i>For Tempered Clear Insulated Glass, Add</i>	82.93	
08 52 16 00-0554 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	592.88	77.49
<i>For Tempered Clear Insulated Glass, Add</i>	87.58	
08 52 16 00-0555 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	635.99	81.94
<i>For Tempered Clear Insulated Glass, Add</i>	94.42	
08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		
08 52 16 00-0557 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	367.92	54.62
<i>For Tempered Clear Insulated Glass, Add</i>	51.99	
08 52 16 00-0558 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	393.54	57.17
<i>For Tempered Clear Insulated Glass, Add</i>	56.09	
08 52 16 00-0559 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	409.25	58.43
<i>For Tempered Clear Insulated Glass, Add</i>	58.48	
08 52 16 00-0560 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	439.39	60.98
<i>For Tempered Clear Insulated Glass, Add</i>	63.49	
08 52 16 00-0561 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	469.01	64.79
<i>For Tempered Clear Insulated Glass, Add</i>	68.14	
08 52 16 00-0562 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	513.40	69.23
<i>For Tempered Clear Insulated Glass, Add</i>	74.99	
08 52 16 00-0563 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	541.75	72.41
<i>For Tempered Clear Insulated Glass, Add</i>	79.64	
08 52 16 00-0564 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	583.49	76.22
<i>For Tempered Clear Insulated Glass, Add</i>	86.21	
08 52 16 00-0565 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	614.48	80.04
<i>For Tempered Clear Insulated Glass, Add</i>	91.14	
08 52 16 00-0566 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	656.24	83.85
<i>For Tempered Clear Insulated Glass, Add</i>	97.71	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0568 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	390.80	57.17
For Tempered Clear Insulated Glass, Add	55.55	
08 52 16 00-0569 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	416.42	59.70
For Tempered Clear Insulated Glass, Add	59.65	
08 52 16 00-0570 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	430.59	60.98
For Tempered Clear Insulated Glass, Add	61.73	
08 52 16 00-0571 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	460.90	63.51
For Tempered Clear Insulated Glass, Add	66.77	
08 52 16 00-0572 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	490.52	67.33
For Tempered Clear Insulated Glass, Add	71.43	
08 52 16 00-0573 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	534.90	71.78
For Tempered Clear Insulated Glass, Add	78.27	
08 52 16 00-0574 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	563.26	74.95
For Tempered Clear Insulated Glass, Add	82.93	
08 52 16 00-0575 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	606.37	78.76
For Tempered Clear Insulated Glass, Add	89.77	
08 52 16 00-0576 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	635.99	82.57
For Tempered Clear Insulated Glass, Add	94.42	
08 52 16 00-0577 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	679.11	86.38
For Tempered Clear Insulated Glass, Add	101.27	
08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0579 EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	394.52	59.70
For Tempered Clear Insulated Glass, Add	55.27	
08 52 16 00-0580 EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	428.34	62.25
For Tempered Clear Insulated Glass, Add	61.02	
08 52 16 00-0581 EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	447.28	63.51
For Tempered Clear Insulated Glass, Add	64.05	
08 52 16 00-0582 EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	465.98	66.06
For Tempered Clear Insulated Glass, Add	66.77	
08 52 16 00-0583 EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	528.46	69.87
For Tempered Clear Insulated Glass, Add	78.00	
08 52 16 00-0584 EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	586.53	74.32
For Tempered Clear Insulated Glass, Add	87.58	
08 52 16 00-0585 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	624.46	77.49
For Tempered Clear Insulated Glass, Add	94.15	
08 52 16 00-0586 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	681.27	81.30
For Tempered Clear Insulated Glass, Add	103.73	
08 52 16 00-0587 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	721.84	85.12
For Tempered Clear Insulated Glass, Add	110.58	
08 52 16 00-0588 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	778.65	88.93
For Tempered Clear Insulated Glass, Add	120.16	
08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0590 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	447.28	63.51
For Tempered Clear Insulated Glass, Add	64.05	
08 52 16 00-0591 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	470.82	65.43
For Tempered Clear Insulated Glass, Add	68.00	
08 52 16 00-0592 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	502.60	67.96
For Tempered Clear Insulated Glass, Add	73.34	
08 52 16 00-0593 EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	539.14	71.14
For Tempered Clear Insulated Glass, Add	79.37	
08 52 16 00-0594 EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	592.26	76.22
For Tempered Clear Insulated Glass, Add	87.96	
08 52 16 00-0595 EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	627.53	78.76
For Tempered Clear Insulated Glass, Add	94.00	
08 52 16 00-0596 EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	679.38	83.85
For Tempered Clear Insulated Glass, Add	102.59	
08 52 16 00-0597 EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	714.76	86.38
For Tempered Clear Insulated Glass, Add	108.40	
08 52 16 00-0598 EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	766.60	90.83
For Tempered Clear Insulated Glass, Add	116.99	
08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0600 EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	502.60	67.96
For Tempered Clear Insulated Glass, Add	73.34	
08 52 16 00-0601 EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	548.79	70.51
For Tempered Clear Insulated Glass, Add	81.56	
08 52 16 00-0602 EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	588.00	73.68
For Tempered Clear Insulated Glass, Add	88.13	
08 52 16 00-0603 EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	647.44	78.76
For Tempered Clear Insulated Glass, Add	97.98	
08 52 16 00-0604 EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	685.38	81.30
For Tempered Clear Insulated Glass, Add	104.55	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	742.18 114.14	86.38
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	781.39 120.71	88.93
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	838.19 130.29	93.38
08 52 16 00-0608			Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0459)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609			Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0610			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	457.88 70.74	52.09
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	490.34 76.22	54.62
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	516.90 80.77	56.53
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	550.57 86.48	59.07
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	589.42 92.99	62.25
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	649.22 102.91	67.33
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	686.81 109.41	69.87
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	741.90 118.65	74.95
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	762.89 121.58	77.49
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	817.40 130.71	81.94
08 52 16 00-0621			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	483.07 75.02	54.62
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	518.11 81.01	57.17
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	541.02 84.83	58.43
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	578.34 91.28	60.98
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	617.20 97.78	64.79
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	675.27 107.36	69.23
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	712.86 113.86	72.41
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	769.67 123.45	76.22
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	788.67 125.98	80.04
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	844.87 135.44	83.85
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,295.96 222.35	92.73
08 52 16 00-0633			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	514.69 80.32	57.17
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	547.15 85.80	59.70
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	569.33 89.47	60.98
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	607.37 96.07	63.51
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	646.24 102.57	67.33
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	706.02 112.49	71.78
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	743.61 119.00	74.95
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	800.41 128.58	78.76
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	817.40 130.71	82.57

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0643 EA 71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	871.85	86.38
For Tempered Low-E Insulated Glass, Add	139.82	
08 52 16 00-0644 EA 84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,363.44	95.28
For Tempered Low-E Insulated Glass, Add	234.83	
08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0646 EA 24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	514.64	59.70
For Tempered Low-E Insulated Glass, Add	79.30	
08 52 16 00-0647 EA 28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	564.21	62.25
For Tempered Low-E Insulated Glass, Add	88.20	
08 52 16 00-0648 EA 31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	596.18	63.51
For Tempered Low-E Insulated Glass, Add	93.83	
08 52 16 00-0649 EA 35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	655.23	66.06
For Tempered Low-E Insulated Glass, Add	104.62	
08 52 16 00-0650 EA 40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	714.63	69.87
For Tempered Low-E Insulated Glass, Add	115.23	
08 52 16 00-0651 EA 48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	801.79	74.32
For Tempered Low-E Insulated Glass, Add	130.63	
08 52 16 00-0652 EA 52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	858.20	77.49
For Tempered Low-E Insulated Glass, Add	140.90	
08 52 16 00-0653 EA 59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	944.11	81.30
For Tempered Low-E Insulated Glass, Add	156.30	
08 52 16 00-0654 EA 64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	976.22	85.12
For Tempered Low-E Insulated Glass, Add	161.45	
08 52 16 00-0655 EA 71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,208.48	88.93
For Tempered Low-E Insulated Glass, Add	206.13	
08 52 16 00-0656 EA 84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,400.58	97.81
For Tempered Low-E Insulated Glass, Add	241.24	
08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0658 EA 28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	596.18	63.51
For Tempered Low-E Insulated Glass, Add	93.83	
08 52 16 00-0659 EA 31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	630.45	65.43
For Tempered Low-E Insulated Glass, Add	99.92	
08 52 16 00-0660 EA 35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	677.62	67.96
For Tempered Low-E Insulated Glass, Add	108.34	
08 52 16 00-0661 EA 40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	730.42	71.14
For Tempered Low-E Insulated Glass, Add	117.63	
08 52 16 00-0662 EA 48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	807.33	76.22
For Tempered Low-E Insulated Glass, Add	130.98	
08 52 16 00-0663 EA 52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	860.30	78.76
For Tempered Low-E Insulated Glass, Add	140.56	
08 52 16 00-0664 EA 59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	935.96	83.85
For Tempered Low-E Insulated Glass, Add	153.91	
08 52 16 00-0665 EA 64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	988.75	86.38
For Tempered Low-E Insulated Glass, Add	163.20	
08 52 16 00-0666 EA 71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,065.85	90.83
For Tempered Low-E Insulated Glass, Add	176.84	
08 52 16 00-0667 EA 84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,492.62	99.09
For Tempered Low-E Insulated Glass, Add	258.89	
08 52 16 00-0668 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0669 EA 31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	677.62	67.96
For Tempered Low-E Insulated Glass, Add	108.34	
08 52 16 00-0670 EA 35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	744.55	70.51
For Tempered Low-E Insulated Glass, Add	120.71	
08 52 16 00-0671 EA 40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	803.94	73.68
For Tempered Low-E Insulated Glass, Add	131.32	
08 52 16 00-0672 EA 48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	891.10	78.76
For Tempered Low-E Insulated Glass, Add	146.72	
08 52 16 00-0673 EA 52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	949.24	81.30
For Tempered Low-E Insulated Glass, Add	157.33	
08 52 16 00-0674 EA 59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,033.42	86.38
For Tempered Low-E Insulated Glass, Add	172.38	
08 52 16 00-0675 EA 64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	905.72	88.93
For Tempered Low-E Insulated Glass, Add	145.57	
08 52 16 00-0676 EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	972.05	93.38
For Tempered Low-E Insulated Glass, Add	157.06	
08 52 16 00-0677 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0678 EA 35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	787.33	73.68
For Tempered Low-E Insulated Glass, Add	129.26	
08 52 16 00-0679 EA 40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	896.24	78.76
For Tempered Low-E Insulated Glass, Add	147.74	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0680 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0609)		
08 52 16 00-0681 EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	942.44	78.76
For Tempered Low-E Insulated Glass, Add	156.98	
08 52 16 00-0682 EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,042.90	82.57
For Tempered Low-E Insulated Glass, Add	175.81	
08 52 16 00-0683 EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,189.95	87.02
For Tempered Low-E Insulated Glass, Add	203.18	
08 52 16 00-0684 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0609)		
08 52 16 00-0685 EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,164.81	85.75
For Tempered Low-E Insulated Glass, Add	198.66	
08 52 16 00-0686 EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,252.88	88.93
For Tempered Low-E Insulated Glass, Add	215.01	
08 52 16 00-0687 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0609)		
08 52 16 00-0688 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,272.32	86.38
For Tempered Low-E Insulated Glass, Add	219.91	
08 52 16 00-0689 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,317.48	93.38
For Tempered Low-E Insulated Glass, Add	226.15	
08 52 16 00-0690 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,456.78	96.55
For Tempered Low-E Insulated Glass, Add	252.74	
08 52 16 00-0691 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,599.58	101.63
For Tempered Low-E Insulated Glass, Add	279.26	
08 52 16 00-0692 Stationary, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0609)		
08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0692)		
08 52 16 00-0694 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	404.83	52.09
For Tempered Low-E Insulated Glass, Add	60.13	
08 52 16 00-0695 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	435.58	54.62
For Tempered Low-E Insulated Glass, Add	65.27	
08 52 16 00-0696 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	455.95	56.53
For Tempered Low-E Insulated Glass, Add	68.58	
08 52 16 00-0697 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	488.97	59.07
For Tempered Low-E Insulated Glass, Add	74.16	
08 52 16 00-0698 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	524.40	62.25
For Tempered Low-E Insulated Glass, Add	79.98	
08 52 16 00-0699 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	579.06	67.33
For Tempered Low-E Insulated Glass, Add	88.88	
08 52 16 00-0700 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	611.52	69.87
For Tempered Low-E Insulated Glass, Add	94.36	
08 52 16 00-0701 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	663.19	74.95
For Tempered Low-E Insulated Glass, Add	102.91	
08 52 16 00-0702 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	698.63	77.49
For Tempered Low-E Insulated Glass, Add	108.73	
08 52 16 00-0703 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	750.30	81.94
For Tempered Low-E Insulated Glass, Add	117.29	
08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0692)		
08 52 16 00-0705 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	429.18	54.62
For Tempered Low-E Insulated Glass, Add	64.24	
08 52 16 00-0706 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	459.93	57.17
For Tempered Low-E Insulated Glass, Add	69.37	
08 52 16 00-0707 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	478.62	58.43
For Tempered Low-E Insulated Glass, Add	72.35	
08 52 16 00-0708 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	515.03	60.98
For Tempered Low-E Insulated Glass, Add	78.61	
08 52 16 00-0709 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	550.47	64.79
For Tempered Low-E Insulated Glass, Add	84.43	
08 52 16 00-0710 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	603.40	69.23
For Tempered Low-E Insulated Glass, Add	92.99	
08 52 16 00-0711 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	637.57	72.41
For Tempered Low-E Insulated Glass, Add	98.80	
08 52 16 00-0712 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	687.53	76.22
For Tempered Low-E Insulated Glass, Add	107.02	
08 52 16 00-0713 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	724.68	80.04
For Tempered Low-E Insulated Glass, Add	113.18	
08 52 16 00-0714 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	774.65	83.85
For Tempered Low-E Insulated Glass, Add	121.39	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0715			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	456.51	57.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.69	
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	487.26	59.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.82	
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	504.02	60.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.41	
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	540.64	63.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.72	
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	576.08	67.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.54	
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	629.02	71.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.09	
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	663.19	74.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.91	
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	714.86	78.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.47	
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	750.30	82.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.29	
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	801.97	86.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.84	
08 52 16 00-0726			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	459.88	59.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.35	
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	500.90	62.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.53	
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	523.61	63.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.31	
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	545.72	66.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.72	
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	622.23	69.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.75	
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	692.28	74.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.73	
08 52 16 00-0733	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	738.42	77.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.94	
08 52 16 00-0734	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	807.21	81.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.92	
08 52 16 00-0735	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	856.33	85.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.48	
08 52 16 00-0736	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	925.12	88.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	149.45	
08 52 16 00-0737			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0738	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	523.61	63.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.31	
08 52 16 00-0739	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	552.09	65.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.25	
08 52 16 00-0740	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	590.54	67.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.92	
08 52 16 00-0741	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	634.64	71.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.47	
08 52 16 00-0742	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	698.49	76.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.21	
08 52 16 00-0743	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	741.30	78.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.76	
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	803.90	83.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.50	
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	846.53	86.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.75	
08 52 16 00-0746	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	909.11	90.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.49	
08 52 16 00-0747			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0748	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	590.54	67.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.92	
08 52 16 00-0749	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	647.01	70.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.20	
08 52 16 00-0750	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	694.43	73.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.41	
08 52 16 00-0751	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	766.19	78.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.73	
08 52 16 00-0752	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	812.35	81.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.95	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0753	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	881.13 141.93	86.38
08 52 16 00-0754	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	928.55 150.14	88.93
08 52 16 00-0755	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	997.33 162.12	93.38
08 52 16 00-0756			Horizontal Sliding Wood Clad Windows <small>(08 52 16)</small> Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0757			One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0756)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758			17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	484.80 70.28	67.33
08 52 16 00-0760			23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	446.76 64.20	62.25
08 52 16 00-0762	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	521.14 76.03	71.14
08 52 16 00-0763			35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	521.14 76.03	71.14
08 52 16 00-0765	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	595.53 87.85	78.76
08 52 16 00-0766	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	669.90 99.68	85.75
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	744.27 111.51	93.38
08 52 16 00-0768			41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	559.18 82.11	74.95
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	631.86 93.60	82.57
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	706.24 105.42	89.56
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	839.75 129.08	97.18
08 52 16 00-0773			47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	595.53 87.85	78.76
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	669.90 99.68	86.38
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	744.27 111.51	93.38
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	818.64 123.33	100.99
08 52 16 00-0778			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	706.24 105.42	90.20
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	780.62 117.25	97.18
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	854.99 129.08	104.81
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	744.27 111.51	94.01

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0784 EA 59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	818.64	100.99
For Tempered Clear Insulated Glass, Add	123.33	
08 52 16 00-0785 EA 71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	893.16	108.62
For Tempered Clear Insulated Glass, Add	135.19	
08 52 16 00-0786 Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787 22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0788 EA 35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,039.60	62.25
For Tempered Low-E Insulated Glass, Add	182.77	
08 52 16 00-0789 EA 47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,235.62	71.14
For Tempered Low-E Insulated Glass, Add	218.92	
08 52 16 00-0790 35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791 EA 35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,250.83	71.14
For Tempered Low-E Insulated Glass, Add	221.96	
08 52 16 00-0792 EA 47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,448.54	78.76
For Tempered Low-E Insulated Glass, Add	258.46	
08 52 16 00-0793 EA 59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,644.56	85.75
For Tempered Low-E Insulated Glass, Add	294.61	
08 52 16 00-0794 EA 71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,840.58	93.38
For Tempered Low-E Insulated Glass, Add	330.77	
08 52 16 00-0795 41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0796 EA 35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,349.68	74.95
For Tempered Low-E Insulated Glass, Add	240.21	
08 52 16 00-0797 EA 47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,545.70	82.57
For Tempered Low-E Insulated Glass, Add	276.37	
08 52 16 00-0798 EA 59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,743.41	89.56
For Tempered Low-E Insulated Glass, Add	312.86	
08 52 16 00-0799 EA 71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,939.44	97.18
For Tempered Low-E Insulated Glass, Add	349.01	
08 52 16 00-0800 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0801 EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,448.54	78.76
For Tempered Low-E Insulated Glass, Add	258.46	
08 52 16 00-0802 EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,644.56	86.38
For Tempered Low-E Insulated Glass, Add	294.61	
08 52 16 00-0803 EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,840.58	93.38
For Tempered Low-E Insulated Glass, Add	330.77	
08 52 16 00-0804 EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,038.28	100.99
For Tempered Low-E Insulated Glass, Add	367.26	
08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0806 EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,644.56	86.38
For Tempered Low-E Insulated Glass, Add	294.61	
08 52 16 00-0807 EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,840.58	94.01
For Tempered Low-E Insulated Glass, Add	330.77	
08 52 16 00-0808 EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,038.28	100.99
For Tempered Low-E Insulated Glass, Add	367.26	
08 52 16 00-0809 EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,234.31	108.62
For Tempered Low-E Insulated Glass, Add	403.42	
08 52 16 00-0810 Picture Wood Clad Windows (08 52 16)		
Note: Picture windows are fixed windows.		
08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)		
08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0814 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	380.41	50.82
For Tempered Clear Insulated Glass, Add	55.76	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0815 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	443.38	55.90
For Tempered Clear Insulated Glass, Add	66.32	
08 52 16 00-0816 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	470.57	58.43
For Tempered Clear Insulated Glass, Add	70.74	
08 52 16 00-0817 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	510.16	63.51
For Tempered Clear Insulated Glass, Add	76.88	
08 52 16 00-0818 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	537.40	66.06
For Tempered Clear Insulated Glass, Add	81.06	
08 52 16 00-0819 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	577.00	71.14
For Tempered Clear Insulated Glass, Add	87.20	
08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0821 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	425.26	62.25
For Tempered Clear Insulated Glass, Add	60.15	
08 52 16 00-0822 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	488.44	66.06
For Tempered Clear Insulated Glass, Add	71.52	
08 52 16 00-0823 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	581.77	70.51
For Tempered Clear Insulated Glass, Add	88.15	
08 52 16 00-0824 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	642.30	73.04
For Tempered Clear Insulated Glass, Add	99.24	
08 52 16 00-0825 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	732.95	77.49
For Tempered Clear Insulated Glass, Add	115.59	
08 52 16 00-0826 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	796.14	80.67
For Tempered Clear Insulated Glass, Add	126.96	
08 52 16 00-0827 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,164.01	85.12
For Tempered Clear Insulated Glass, Add	198.76	
08 52 16 00-0828 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0829 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	488.44	66.06
For Tempered Clear Insulated Glass, Add	71.52	
08 52 16 00-0830 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	551.62	68.60
For Tempered Clear Insulated Glass, Add	82.88	
08 52 16 00-0831 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	644.94	73.68
For Tempered Clear Insulated Glass, Add	99.52	
08 52 16 00-0832 EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	705.47	76.22
For Tempered Clear Insulated Glass, Add	110.61	
08 52 16 00-0833 EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	796.14	81.30
For Tempered Clear Insulated Glass, Add	126.96	
08 52 16 00-0834 EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	859.32	83.85
For Tempered Clear Insulated Glass, Add	138.33	
08 52 16 00-0835 EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	949.98	88.93
For Tempered Clear Insulated Glass, Add	154.68	
08 52 16 00-0836 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0837 EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	581.77	71.14
For Tempered Clear Insulated Glass, Add	88.15	
08 52 16 00-0838 EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	644.94	73.68
For Tempered Clear Insulated Glass, Add	99.52	
08 52 16 00-0839 EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	738.27	78.76
For Tempered Clear Insulated Glass, Add	116.15	
08 52 16 00-0840 EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	798.80	81.30
For Tempered Clear Insulated Glass, Add	127.24	
08 52 16 00-0841 EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	889.46	86.38
For Tempered Clear Insulated Glass, Add	143.59	
08 52 16 00-0842 EA 64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	952.64	88.93
For Tempered Clear Insulated Glass, Add	154.96	
08 52 16 00-0843 EA 71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,043.31	94.01
For Tempered Clear Insulated Glass, Add	171.31	
08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0845 EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	642.30	73.68
For Tempered Clear Insulated Glass, Add	99.24	
08 52 16 00-0846 EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	705.47	76.22
For Tempered Clear Insulated Glass, Add	110.61	
08 52 16 00-0847 EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	798.80	81.30
For Tempered Clear Insulated Glass, Add	127.24	
08 52 16 00-0848 EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	859.32	83.85
For Tempered Clear Insulated Glass, Add	138.33	
08 52 16 00-0849 EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	949.98	88.93
For Tempered Clear Insulated Glass, Add	154.68	
08 52 16 00-0850 EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,013.16	91.46
For Tempered Clear Insulated Glass, Add	166.05	
08 52 16 00-0851 EA 71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,185.60	96.55
For Tempered Clear Insulated Glass, Add	198.76	

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0853 EA 35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	732.95	77.49
<i>For Tempered Clear Insulated Glass, Add</i>	115.59	
08 52 16 00-0854 EA 40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	796.14	81.30
<i>For Tempered Clear Insulated Glass, Add</i>	126.96	
08 52 16 00-0855 EA 48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	889.46	85.75
<i>For Tempered Clear Insulated Glass, Add</i>	143.59	
08 52 16 00-0856 EA 52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	949.98	88.29
<i>For Tempered Clear Insulated Glass, Add</i>	154.68	
08 52 16 00-0857 EA 59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,040.65	92.73
<i>For Tempered Clear Insulated Glass, Add</i>	171.04	
08 52 16 00-0858 EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,103.83	95.91
<i>For Tempered Clear Insulated Glass, Add</i>	182.40	
08 52 16 00-0859 EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,194.50	100.36
<i>For Tempered Clear Insulated Glass, Add</i>	198.76	
08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0861 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	796.14	81.30
<i>For Tempered Clear Insulated Glass, Add</i>	126.96	
08 52 16 00-0862 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	859.32	83.85
<i>For Tempered Clear Insulated Glass, Add</i>	138.33	
08 52 16 00-0863 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	952.64	88.93
<i>For Tempered Clear Insulated Glass, Add</i>	154.96	
08 52 16 00-0864 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,013.16	91.46
<i>For Tempered Clear Insulated Glass, Add</i>	166.05	
08 52 16 00-0865 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,185.60	96.55
<i>For Tempered Clear Insulated Glass, Add</i>	198.76	
08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0867 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	886.81	85.12
<i>For Tempered Clear Insulated Glass, Add</i>	143.32	
08 52 16 00-0868 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	949.98	88.93
<i>For Tempered Clear Insulated Glass, Add</i>	154.68	
08 52 16 00-0869 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,043.31	93.38
<i>For Tempered Clear Insulated Glass, Add</i>	171.31	
08 52 16 00-0870 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,103.83	95.91
<i>For Tempered Clear Insulated Glass, Add</i>	182.40	
08 52 16 00-0871 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,194.50	100.36
<i>For Tempered Clear Insulated Glass, Add</i>	198.76	
08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0874 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	445.81	50.82
<i>For Tempered Low-E Insulated Glass, Add</i>	68.84	
08 52 16 00-0875 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	521.17	55.90
<i>For Tempered Low-E Insulated Glass, Add</i>	81.88	
08 52 16 00-0876 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	553.54	58.43
<i>For Tempered Low-E Insulated Glass, Add</i>	87.33	
08 52 16 00-0877 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	600.33	63.51
<i>For Tempered Low-E Insulated Glass, Add</i>	94.91	
08 52 16 00-0878 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	632.47	66.06
<i>For Tempered Low-E Insulated Glass, Add</i>	100.07	
08 52 16 00-0879 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	679.26	71.14
<i>For Tempered Low-E Insulated Glass, Add</i>	107.65	
08 52 16 00-0880 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	495.81	62.25
<i>For Tempered Low-E Insulated Glass, Add</i>	74.26	
08 52 16 00-0882 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	572.32	66.06
<i>For Tempered Low-E Insulated Glass, Add</i>	88.30	
08 52 16 00-0883 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	685.15	70.51
<i>For Tempered Low-E Insulated Glass, Add</i>	108.83	
08 52 16 00-0884 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	758.69	73.04
<i>For Tempered Low-E Insulated Glass, Add</i>	122.52	
08 52 16 00-0885 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	868.53	77.49
<i>For Tempered Low-E Insulated Glass, Add</i>	142.71	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0886	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	945.05 156.74	80.67
08 52 16 00-0887	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,397.12 245.38	85.12
08 52 16 00-0888			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0889	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	572.32 88.30	66.06
08 52 16 00-0890	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.83 102.33	68.60
08 52 16 00-0891	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	761.66 122.86	73.68
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	835.19 136.55	76.22
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	945.05 156.74	81.30
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,021.55 170.77	83.85
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.40 190.96	88.93
08 52 16 00-0896			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	685.15 108.83	71.14
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	761.66 122.86	73.68
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	874.49 143.39	78.76
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	948.03 157.08	81.30
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,057.87 177.27	86.38
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,134.38 191.31	88.93
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,244.23 211.50	94.01
08 52 16 00-0904			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	758.69 122.52	73.68
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	835.19 136.55	76.22
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	948.03 157.08	81.30
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,021.55 170.77	83.85
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.40 190.96	88.93
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,207.91 205.00	91.46
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,418.71 245.38	96.55
08 52 16 00-0912			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	868.53 142.71	77.49
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	945.05 156.74	81.30
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,057.87 177.27	85.75
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.40 190.96	88.29
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,241.25 211.16	92.73
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,317.76 225.19	95.91
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,427.61 245.38	100.36
08 52 16 00-0920			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0921 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	945.05	81.30
For Tempered Low-E Insulated Glass, Add	156.74	
08 52 16 00-0922 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,021.55	83.85
For Tempered Low-E Insulated Glass, Add	170.77	
08 52 16 00-0923 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,134.38	88.93
For Tempered Low-E Insulated Glass, Add	191.31	
08 52 16 00-0924 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,207.91	91.46
For Tempered Low-E Insulated Glass, Add	205.00	
08 52 16 00-0925 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,418.71	96.55
For Tempered Low-E Insulated Glass, Add	245.38	
08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0927 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,054.89	85.12
For Tempered Low-E Insulated Glass, Add	176.93	
08 52 16 00-0928 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,131.40	88.93
For Tempered Low-E Insulated Glass, Add	190.96	
08 52 16 00-0929 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,244.23	93.38
For Tempered Low-E Insulated Glass, Add	211.50	
08 52 16 00-0930 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,317.76	95.91
For Tempered Low-E Insulated Glass, Add	225.19	
08 52 16 00-0931 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,427.61	100.36
For Tempered Low-E Insulated Glass, Add	245.38	
08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)		
08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0935 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	545.42	79.40
For Tempered Clear Insulated Glass, Add	77.33	
08 52 16 00-0936 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	559.86	81.30
For Tempered Clear Insulated Glass, Add	79.45	
08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0938 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	559.86	81.30
For Tempered Clear Insulated Glass, Add	79.45	
08 52 16 00-0939 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	678.28	96.55
For Tempered Clear Insulated Glass, Add	97.04	
08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0941 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	635.01	90.83
For Tempered Clear Insulated Glass, Add	90.67	
08 52 16 00-0942 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	649.43	92.73
For Tempered Clear Insulated Glass, Add	92.79	
08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0944 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	545.42	80.04
For Tempered Clear Insulated Glass, Add	77.33	
08 52 16 00-0945 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	635.01	90.83
For Tempered Clear Insulated Glass, Add	90.67	
08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0947 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	559.86	81.30
For Tempered Clear Insulated Glass, Add	79.45	
08 52 16 00-0948 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	649.43	92.73
For Tempered Clear Insulated Glass, Add	92.79	
08 52 16 00-0949 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	678.28	96.55
For Tempered Clear Insulated Glass, Add	97.04	
08 52 16 00-0950 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	708.65	100.36
For Tempered Clear Insulated Glass, Add	101.59	
08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0952	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	708.65 101.59	100.36
08 52 16 00-0953			71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0954	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	678.28 97.04	96.55
08 52 16 00-0955			Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0932)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956			48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0957	EA		12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	593.98 94.91	59.70
08 52 16 00-0958	EA		37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	825.89 134.94	76.22
08 52 16 00-0959	EA		41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	861.30 141.01	78.12
08 52 16 00-0960	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	914.39 150.10	81.94
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	949.80 156.17	85.12
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,022.13 168.60	89.56
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,094.47 181.04	95.28
08 52 16 00-0964			52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	630.90 101.28	62.25
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	861.30 141.01	78.76
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	898.22 147.38	80.67
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	949.80 156.17	84.48
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	986.72 162.54	87.65
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,059.06 174.97	92.10
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.39 187.40	97.81
08 52 16 00-0972			56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	666.32 107.35	64.79
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	898.22 147.38	81.30
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	933.62 153.44	83.20
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	986.72 162.54	87.02
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,022.13 168.60	90.20
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,094.47 181.04	94.64
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,168.31 193.77	100.36
08 52 16 00-0980			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	703.24 113.72	67.33
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	933.62 153.44	83.85
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	970.54 159.81	85.75
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,022.13 168.60	89.56
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,059.06 174.97	92.73

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.39 187.40	97.18
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,203.71 199.84	102.90
08 52 16 00-0988		64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	738.64 119.78	69.87
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	970.54 159.81	86.38
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,007.46 166.18	88.29
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,059.06 174.97	92.10
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,094.47 181.04	95.28
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,168.31 193.77	99.72
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,240.63 206.20	105.44
08 52 16 00-0996		68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	775.56 126.15	72.41
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,007.46 166.18	88.93
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,042.87 172.24	90.83
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,094.47 181.04	94.64
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.39 187.40	97.81
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,203.71 199.84	102.26
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,276.03 212.27	107.98
08 52 16 00-1004		72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	810.97 132.21	74.95
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,042.87 172.24	91.46
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,079.79 178.61	93.38
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.39 187.40	97.18
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,168.31 193.77	100.36
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,240.63 206.20	104.81
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,312.96 218.64	110.52
08 52 16 00-1012		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	847.89 138.58	77.49
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,079.79 178.61	94.01
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,115.19 184.67	95.91
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,168.31 193.77	99.72
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,203.71 199.84	102.90
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,276.03 212.27	107.34
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,348.36 224.70	113.07
08 52 16 00-1020		Picture Wood Clad Windows For Horizontal Sliding Windows <small>(08 52 16 00-0810)</small>		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1023 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	545.42 77.33	79.40
08 52 16 00-1024 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	559.86 79.45	81.30
08 52 16 00-1025 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1026 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	559.86 79.45	81.30
08 52 16 00-1027 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	678.28 97.04	96.55
08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1029 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	635.01 90.67	90.83
08 52 16 00-1030 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	649.43 92.79	92.73
08 52 16 00-1031 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1032 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	545.42 77.33	80.04
08 52 16 00-1033 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	635.01 90.67	90.83
08 52 16 00-1034 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1035 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	559.86 79.45	81.30
08 52 16 00-1036 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	649.43 92.79	92.73
08 52 16 00-1037 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	678.28 97.04	96.55
08 52 16 00-1038 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	708.65 101.59	100.36
08 52 16 00-1039 65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	708.65 101.59	100.36
08 52 16 00-1041 71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1042 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	678.28 97.04	96.55
08 52 16 00-1043 Basement Wood Clad Windows <small>(08 52 16)</small> Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044 Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045 EA 32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	293.11	50.82
08 52 16 00-1046 EA 32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	307.49	50.82
08 52 16 00-1047 EA 32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	320.14	50.82
08 52 16 00-1048 Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1049 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	37.41	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1051 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	55.13	
08 52 16 00-1052 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	74.83	
08 52 16 00-1053 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	94.52	
08 52 16 00-1054 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	133.90	
08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1056 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	59.86	
08 52 16 00-1057 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	88.22	
08 52 16 00-1058 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	119.72	
08 52 16 00-1059 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	151.23	
08 52 16 00-1060 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	214.24	
08 52 16 00-1061 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1062 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	71.83	
08 52 16 00-1063 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	105.86	
08 52 16 00-1064 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	143.67	
08 52 16 00-1065 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	181.47	
08 52 16 00-1066 EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	257.09	
08 52 16 00-1067 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1068 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	86.21	
08 52 16 00-1069 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	127.03	
08 52 16 00-1070 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	172.39	
08 52 16 00-1071 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	217.76	
08 52 16 00-1072 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	308.50	
08 52 66 Wood Window Screens (08 52)		
08 52 66 00-0001 Insect Screens For Wood Clad Windows (08 52 66)		
08 52 66 00-0002 EA Up To 6 SF, Insect Screen For Wood Clad Windows	36.67	8.44
08 52 66 00-0003 EA >6 To 9 SF, Insect Screen For Wood Clad Windows	42.33	8.44
08 52 66 00-0004 EA >9 To 12 SF, Insect Screen For Wood Clad Windows	45.15	8.44
08 52 66 00-0005 EA >12 To 15 SF, Insect Screen For Wood Clad Windows	50.81	8.44
08 52 66 00-0006 EA >15 To 20 SF, Insect Screen For Wood Clad Windows	62.13	8.44
08 52 66 00-0007 EA >20 To 25 SF, Insect Screen For Wood Clad Windows	67.78	8.44
08 52 66 00-0008 EA >25 To 30 SF, Insect Screen For Wood Clad Windows	73.44	8.44
08 52 66 00-0009 EA >30 To 35 SF, Insect Screen For Wood Clad Windows	79.10	8.44
08 52 66 00-0010 SF >35 SF, Insect Screen For Wood Clad Windows	2.36	0.17
08 53 Plastic Windows (08 50)		
08 53 13 Vinyl Windows (08 53)		
08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)		
08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0004 EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	295.28	58.43
For Colored Vinyl, Add	17.84	
For Tinted Glass, Add	21.41	
For Low-E Insulated Glass, Add	44.60	
For Obscure Glass, Add	49.06	
08 53 13 00-0005 EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	310.32	60.98
For Colored Vinyl, Add	18.84	
For Tinted Glass, Add	22.60	
For Low-E Insulated Glass, Add	47.09	
For Obscure Glass, Add	51.80	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0006 EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	316.68	62.25
For Colored Vinyl, Add	19.22	
For Tinted Glass, Add	23.06	
For Low-E Insulated Glass, Add	48.05	
For Obscure Glass, Add	52.85	
08 53 13 00-0007 EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	323.58	63.51
For Colored Vinyl, Add	19.65	
For Tinted Glass, Add	23.58	
For Low-E Insulated Glass, Add	49.14	
For Obscure Glass, Add	54.05	
08 53 13 00-0008 EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	340.81	66.06
For Colored Vinyl, Add	20.87	
For Tinted Glass, Add	25.04	
For Low-E Insulated Glass, Add	52.17	
For Obscure Glass, Add	57.39	
08 53 13 00-0009 EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	369.35	71.14
For Colored Vinyl, Add	22.71	
For Tinted Glass, Add	27.25	
For Low-E Insulated Glass, Add	56.77	
For Obscure Glass, Add	62.44	
08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0011 EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	301.32	59.70
For Colored Vinyl, Add	18.19	
For Tinted Glass, Add	21.83	
For Low-E Insulated Glass, Add	45.48	
For Obscure Glass, Add	50.03	
08 53 13 00-0012 EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	316.35	60.98
For Colored Vinyl, Add	19.19	
For Tinted Glass, Add	23.02	
For Low-E Insulated Glass, Add	47.97	
For Obscure Glass, Add	52.76	
08 53 13 00-0013 EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	322.74	63.51
For Colored Vinyl, Add	19.57	
For Tinted Glass, Add	23.48	
For Low-E Insulated Glass, Add	48.93	
For Obscure Glass, Add	53.82	
08 53 13 00-0014 EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	329.62	64.79
For Colored Vinyl, Add	20.00	
For Tinted Glass, Add	24.00	
For Low-E Insulated Glass, Add	50.01	
For Obscure Glass, Add	55.01	
08 53 13 00-0015 EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	346.86	67.33
For Colored Vinyl, Add	21.22	
For Tinted Glass, Add	25.46	
For Low-E Insulated Glass, Add	53.05	
For Obscure Glass, Add	58.36	
08 53 13 00-0016 EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	375.39	72.41
For Colored Vinyl, Add	23.06	
For Tinted Glass, Add	27.67	
For Low-E Insulated Glass, Add	57.64	
For Obscure Glass, Add	63.41	
08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018 EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	307.21	60.98
For Colored Vinyl, Add	18.53	
For Tinted Glass, Add	22.23	
For Low-E Insulated Glass, Add	46.31	
For Obscure Glass, Add	50.94	
08 53 13 00-0019 EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	322.23	63.51
For Colored Vinyl, Add	19.52	
For Tinted Glass, Add	23.42	
For Low-E Insulated Glass, Add	48.80	
For Obscure Glass, Add	53.68	
08 53 13 00-0020 EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	328.83	64.79
For Colored Vinyl, Add	19.93	
For Tinted Glass, Add	23.91	
For Low-E Insulated Glass, Add	49.81	
For Obscure Glass, Add	54.79	
08 53 13 00-0021 EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	335.72	66.06
For Colored Vinyl, Add	20.36	
For Tinted Glass, Add	24.43	
For Low-E Insulated Glass, Add	50.90	
For Obscure Glass, Add	55.99	
08 53 13 00-0022 EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	353.21	68.60
For Colored Vinyl, Add	21.60	
For Tinted Glass, Add	25.92	
For Low-E Insulated Glass, Add	54.00	
For Obscure Glass, Add	59.40	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0023 EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	382.08	73.68
For Colored Vinyl, Add	23.47	
For Tinted Glass, Add	28.17	
For Low-E Insulated Glass, Add	58.68	
For Obscure Glass, Add	64.55	
08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0025 EA 24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	325.14	64.79
For Colored Vinyl, Add	19.56	
For Tinted Glass, Add	23.47	
For Low-E Insulated Glass, Add	48.89	
For Obscure Glass, Add	53.78	
08 53 13 00-0026 EA 28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	340.16	67.33
For Colored Vinyl, Add	20.55	
For Tinted Glass, Add	24.66	
For Low-E Insulated Glass, Add	51.38	
For Obscure Glass, Add	56.51	
08 53 13 00-0027 EA 30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	347.49	68.60
For Colored Vinyl, Add	21.03	
For Tinted Glass, Add	25.23	
For Low-E Insulated Glass, Add	52.57	
For Obscure Glass, Add	57.83	
08 53 13 00-0028 EA 32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	354.37	69.87
For Colored Vinyl, Add	21.46	
For Tinted Glass, Add	25.76	
For Low-E Insulated Glass, Add	53.66	
For Obscure Glass, Add	59.02	
08 53 13 00-0029 EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	372.59	72.41
For Colored Vinyl, Add	22.78	
For Tinted Glass, Add	27.33	
For Low-E Insulated Glass, Add	56.94	
For Obscure Glass, Add	62.64	
08 53 13 00-0030 EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	402.39	77.49
For Colored Vinyl, Add	24.74	
For Tinted Glass, Add	29.69	
For Low-E Insulated Glass, Add	61.85	
For Obscure Glass, Add	68.04	
08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0032 EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	331.18	66.06
For Colored Vinyl, Add	19.91	
For Tinted Glass, Add	23.89	
For Low-E Insulated Glass, Add	49.77	
For Obscure Glass, Add	54.74	
08 53 13 00-0033 EA 28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	346.20	68.60
For Colored Vinyl, Add	20.90	
For Tinted Glass, Add	25.08	
For Low-E Insulated Glass, Add	52.25	
For Obscure Glass, Add	57.48	
08 53 13 00-0034 EA 30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	353.76	69.87
For Colored Vinyl, Add	21.40	
For Tinted Glass, Add	25.68	
For Low-E Insulated Glass, Add	53.51	
For Obscure Glass, Add	58.86	
08 53 13 00-0035 EA 32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	360.64	71.14
For Colored Vinyl, Add	21.84	
For Tinted Glass, Add	26.20	
For Low-E Insulated Glass, Add	54.59	
For Obscure Glass, Add	60.05	
08 53 13 00-0036 EA 36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	379.08	73.68
For Colored Vinyl, Add	23.17	
For Tinted Glass, Add	27.81	
For Low-E Insulated Glass, Add	57.93	
For Obscure Glass, Add	63.72	
08 53 13 00-0037 EA 44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	409.21	78.76
For Colored Vinyl, Add	25.17	
For Tinted Glass, Add	30.20	
For Low-E Insulated Glass, Add	62.92	
For Obscure Glass, Add	69.21	
08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0039 EA 24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	337.28	67.33
For Colored Vinyl, Add	20.26	
For Tinted Glass, Add	24.31	
For Low-E Insulated Glass, Add	50.66	
For Obscure Glass, Add	55.72	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0040 EA 28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	352.30	69.87
For Colored Vinyl, Add	21.26	
For Tinted Glass, Add	25.51	
For Low-E Insulated Glass, Add	53.14	
For Obscure Glass, Add	58.45	
08 53 13 00-0041 EA 30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	360.08	71.14
For Colored Vinyl, Add	21.78	
For Tinted Glass, Add	26.14	
For Low-E Insulated Glass, Add	54.45	
For Obscure Glass, Add	59.90	
08 53 13 00-0042 EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	366.96	72.41
For Colored Vinyl, Add	22.21	
For Tinted Glass, Add	26.66	
For Low-E Insulated Glass, Add	55.54	
For Obscure Glass, Add	61.09	
08 53 13 00-0043 EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	385.65	74.95
For Colored Vinyl, Add	23.58	
For Tinted Glass, Add	28.29	
For Low-E Insulated Glass, Add	58.94	
For Obscure Glass, Add	64.83	
08 53 13 00-0044 EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	416.11	80.04
For Colored Vinyl, Add	25.60	
For Tinted Glass, Add	30.72	
For Low-E Insulated Glass, Add	64.01	
For Obscure Glass, Add	70.41	
08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046 EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	343.15	68.80
For Colored Vinyl, Add	20.60	
For Tinted Glass, Add	24.71	
For Low-E Insulated Glass, Add	51.49	
For Obscure Glass, Add	56.64	
08 53 13 00-0047 EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	358.17	71.14
For Colored Vinyl, Add	21.59	
For Tinted Glass, Add	25.91	
For Low-E Insulated Glass, Add	53.97	
For Obscure Glass, Add	59.37	
08 53 13 00-0048 EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	366.20	72.41
For Colored Vinyl, Add	22.14	
For Tinted Glass, Add	26.57	
For Low-E Insulated Glass, Add	55.35	
For Obscure Glass, Add	60.88	
08 53 13 00-0049 EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	373.09	73.68
For Colored Vinyl, Add	22.57	
For Tinted Glass, Add	27.09	
For Low-E Insulated Glass, Add	56.43	
For Obscure Glass, Add	62.08	
08 53 13 00-0050 EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	392.00	76.22
For Colored Vinyl, Add	23.96	
For Tinted Glass, Add	28.75	
For Low-E Insulated Glass, Add	59.89	
For Obscure Glass, Add	65.88	
08 53 13 00-0051 EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	422.76	81.30
For Colored Vinyl, Add	26.02	
For Tinted Glass, Add	31.22	
For Low-E Insulated Glass, Add	65.04	
For Obscure Glass, Add	71.54	
08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053 EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	349.05	69.87
For Colored Vinyl, Add	20.93	
For Tinted Glass, Add	25.12	
For Low-E Insulated Glass, Add	52.33	
For Obscure Glass, Add	57.56	
08 53 13 00-0054 EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	364.07	72.41
For Colored Vinyl, Add	21.93	
For Tinted Glass, Add	26.31	
For Low-E Insulated Glass, Add	54.81	
For Obscure Glass, Add	60.29	
08 53 13 00-0055 EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	372.36	73.68
For Colored Vinyl, Add	22.50	
For Tinted Glass, Add	27.00	
For Low-E Insulated Glass, Add	56.25	
For Obscure Glass, Add	61.88	
08 53 13 00-0056 EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	379.24	74.95
For Colored Vinyl, Add	22.93	
For Tinted Glass, Add	27.52	
For Low-E Insulated Glass, Add	57.34	
For Obscure Glass, Add	63.07	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0057 EA 36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	398.41	77.49
For Colored Vinyl, Add	24.34	
For Tinted Glass, Add	29.21	
For Low-E Insulated Glass, Add	60.86	
For Obscure Glass, Add	66.94	
08 53 13 00-0058 EA 44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.48	82.57
For Colored Vinyl, Add	26.43	
For Tinted Glass, Add	31.72	
For Low-E Insulated Glass, Add	66.08	
For Obscure Glass, Add	72.69	
08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0060 EA 24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	354.95	71.14
For Colored Vinyl, Add	21.27	
For Tinted Glass, Add	25.52	
For Low-E Insulated Glass, Add	53.17	
For Obscure Glass, Add	58.48	
08 53 13 00-0061 EA 28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	369.98	73.68
For Colored Vinyl, Add	22.26	
For Tinted Glass, Add	26.71	
For Low-E Insulated Glass, Add	55.66	
For Obscure Glass, Add	61.22	
08 53 13 00-0062 EA 30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	378.48	74.95
For Colored Vinyl, Add	22.86	
For Tinted Glass, Add	27.43	
For Low-E Insulated Glass, Add	57.15	
For Obscure Glass, Add	62.86	
08 53 13 00-0063 EA 32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	385.36	76.22
For Colored Vinyl, Add	23.29	
For Tinted Glass, Add	27.95	
For Low-E Insulated Glass, Add	58.23	
For Obscure Glass, Add	64.05	
08 53 13 00-0064 EA 36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	404.76	78.76
For Colored Vinyl, Add	24.72	
For Tinted Glass, Add	29.67	
For Low-E Insulated Glass, Add	61.81	
For Obscure Glass, Add	67.99	
08 53 13 00-0065 EA 44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	436.13	83.85
For Colored Vinyl, Add	26.84	
For Tinted Glass, Add	32.21	
For Low-E Insulated Glass, Add	67.11	
For Obscure Glass, Add	73.82	
08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0067 EA 24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	373.08	74.95
For Colored Vinyl, Add	22.32	
For Tinted Glass, Add	26.78	
For Low-E Insulated Glass, Add	55.80	
For Obscure Glass, Add	61.37	
08 53 13 00-0068 EA 28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	388.10	77.49
For Colored Vinyl, Add	23.31	
For Tinted Glass, Add	27.97	
For Low-E Insulated Glass, Add	58.28	
For Obscure Glass, Add	64.11	
08 53 13 00-0069 EA 30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	397.28	78.76
For Colored Vinyl, Add	23.98	
For Tinted Glass, Add	28.77	
For Low-E Insulated Glass, Add	59.94	
For Obscure Glass, Add	65.93	
08 53 13 00-0070 EA 32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	404.17	80.04
For Colored Vinyl, Add	24.41	
For Tinted Glass, Add	29.29	
For Low-E Insulated Glass, Add	61.03	
For Obscure Glass, Add	67.13	
08 53 13 00-0071 EA 36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	424.29	82.57
For Colored Vinyl, Add	25.91	
For Tinted Glass, Add	31.10	
For Low-E Insulated Glass, Add	64.79	
For Obscure Glass, Add	71.26	
08 53 13 00-0072 EA 44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	456.61	87.65
For Colored Vinyl, Add	28.13	
For Tinted Glass, Add	33.76	
For Low-E Insulated Glass, Add	70.33	
For Obscure Glass, Add	77.36	
08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	378.98	76.22
			For Colored Vinyl, Add	22.65	
			For Tinted Glass, Add	27.18	
			For Low-E Insulated Glass, Add	56.64	
			For Obscure Glass, Add	62.30	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	394.00	78.76
			For Colored Vinyl, Add	23.65	
			For Tinted Glass, Add	28.38	
			For Low-E Insulated Glass, Add	59.12	
			For Obscure Glass, Add	65.03	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	403.47	80.04
			For Colored Vinyl, Add	24.34	
			For Tinted Glass, Add	29.21	
			For Low-E Insulated Glass, Add	60.85	
			For Obscure Glass, Add	66.94	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	410.35	81.30
			For Colored Vinyl, Add	24.77	
			For Tinted Glass, Add	29.73	
			For Low-E Insulated Glass, Add	61.94	
			For Obscure Glass, Add	68.13	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	430.70	83.85
			For Colored Vinyl, Add	26.30	
			For Tinted Glass, Add	31.56	
			For Low-E Insulated Glass, Add	65.75	
			For Obscure Glass, Add	72.33	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	463.35	88.93
			For Colored Vinyl, Add	28.55	
			For Tinted Glass, Add	34.26	
			For Low-E Insulated Glass, Add	71.38	
			For Obscure Glass, Add	78.51	
08 53 13 00-0080			66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	390.95	78.76
			For Colored Vinyl, Add	23.34	
			For Tinted Glass, Add	28.01	
			For Low-E Insulated Glass, Add	58.36	
			For Obscure Glass, Add	64.19	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	405.98	81.30
			For Colored Vinyl, Add	24.34	
			For Tinted Glass, Add	29.20	
			For Low-E Insulated Glass, Add	60.84	
			For Obscure Glass, Add	66.93	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	415.89	82.57
			For Colored Vinyl, Add	25.07	
			For Tinted Glass, Add	30.09	
			For Low-E Insulated Glass, Add	62.69	
			For Obscure Glass, Add	68.95	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	422.77	83.85
			For Colored Vinyl, Add	25.51	
			For Tinted Glass, Add	30.61	
			For Low-E Insulated Glass, Add	63.77	
			For Obscure Glass, Add	70.15	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	443.62	86.38
			For Colored Vinyl, Add	27.09	
			For Tinted Glass, Add	32.50	
			For Low-E Insulated Glass, Add	67.71	
			For Obscure Glass, Add	74.48	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	476.87	91.46
			For Colored Vinyl, Add	29.39	
			For Tinted Glass, Add	35.27	
			For Low-E Insulated Glass, Add	73.49	
			For Obscure Glass, Add	80.83	
08 53 13 00-0087			72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	409.08	82.57
			For Colored Vinyl, Add	24.39	
			For Tinted Glass, Add	29.27	
			For Low-E Insulated Glass, Add	60.98	
			For Obscure Glass, Add	67.08	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	424.11	85.12
			For Colored Vinyl, Add	25.39	
			For Tinted Glass, Add	30.47	
			For Low-E Insulated Glass, Add	63.47	
			For Obscure Glass, Add	69.82	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	434.02	86.38
			For Colored Vinyl, Add	26.13	
			For Tinted Glass, Add	31.35	
			For Low-E Insulated Glass, Add	65.31	
			For Obscure Glass, Add	71.84	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0091 EA 32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	440.90	87.65
For Colored Vinyl, Add	26.56	
For Tinted Glass, Add	31.87	
For Low-E Insulated Glass, Add	66.40	
For Obscure Glass, Add	73.04	
08 53 13 00-0092 EA 36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	461.75	90.20
For Colored Vinyl, Add	28.14	
For Tinted Glass, Add	33.76	
For Low-E Insulated Glass, Add	70.34	
For Obscure Glass, Add	77.37	
08 53 13 00-0093 EA 44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	495.00	95.28
For Colored Vinyl, Add	30.44	
For Tinted Glass, Add	36.53	
For Low-E Insulated Glass, Add	76.11	
For Obscure Glass, Add	83.72	
08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095 EA Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	419.68	66.69
For Colored Vinyl, Add	28.63	
For Tinted Glass, Add	34.35	
For Low-E Insulated Glass, Add	71.57	
For Obscure Glass, Add	78.73	
08 53 13 00-0096 EA >73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	459.98	73.04
For Colored Vinyl, Add	31.39	
For Tinted Glass, Add	37.67	
For Low-E Insulated Glass, Add	78.47	
For Obscure Glass, Add	86.32	
08 53 13 00-0097 EA >83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	497.46	79.40
For Colored Vinyl, Add	33.87	
For Tinted Glass, Add	40.64	
For Low-E Insulated Glass, Add	84.67	
For Obscure Glass, Add	93.13	
08 53 13 00-0098 EA >93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	525.16	85.75
For Colored Vinyl, Add	35.37	
For Tinted Glass, Add	42.44	
For Low-E Insulated Glass, Add	88.42	
For Obscure Glass, Add	97.26	
08 53 13 00-0099 EA >101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	553.98	92.10
For Colored Vinyl, Add	36.98	
For Tinted Glass, Add	44.37	
For Low-E Insulated Glass, Add	92.44	
For Obscure Glass, Add	101.69	
08 53 13 00-0100 EA >110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	600.28	98.46
For Colored Vinyl, Add	40.34	
For Tinted Glass, Add	48.41	
For Low-E Insulated Glass, Add	100.85	
For Obscure Glass, Add	110.93	
08 53 13 00-0101 UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	5.01	0.82
For Colored Vinyl, Add	0.34	
For Tinted Glass, Add	0.40	
For Low-E Insulated Glass, Add	0.84	
For Obscure Glass, Add	0.92	
08 53 13 00-0102 Double Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0102)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0105 EA 24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	403.05	58.43
For Colored Vinyl, Add	28.62	
For Tinted Glass, Add	34.34	
For Low-E Insulated Glass, Add	71.55	
For Obscure Glass, Add	78.70	
08 53 13 00-0106 EA 28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	418.08	60.98
For Colored Vinyl, Add	29.61	
For Tinted Glass, Add	35.53	
For Low-E Insulated Glass, Add	74.03	
For Obscure Glass, Add	81.43	
08 53 13 00-0107 EA 30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	425.37	62.25
For Colored Vinyl, Add	30.09	
For Tinted Glass, Add	36.11	
For Low-E Insulated Glass, Add	75.22	
For Obscure Glass, Add	82.74	
08 53 13 00-0108 EA 32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	432.27	63.51
For Colored Vinyl, Add	30.52	
For Tinted Glass, Add	36.63	
For Low-E Insulated Glass, Add	76.31	
For Obscure Glass, Add	83.94	



	Openings 08	08
	Windows 08 50	
	Plastic Windows 08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0109 EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	448.58	66.06
For Colored Vinyl, Add	31.65	
For Tinted Glass, Add	37.98	
For Low-E Insulated Glass, Add	79.12	
For Obscure Glass, Add	87.03	
08 53 13 00-0110 EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	475.91	71.14
For Colored Vinyl, Add	33.36	
For Tinted Glass, Add	40.04	
For Low-E Insulated Glass, Add	83.41	
For Obscure Glass, Add	91.75	
08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0112 EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	409.09	59.70
For Colored Vinyl, Add	28.97	
For Tinted Glass, Add	34.76	
For Low-E Insulated Glass, Add	72.42	
For Obscure Glass, Add	79.66	
08 53 13 00-0113 EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	424.11	62.25
For Colored Vinyl, Add	29.96	
For Tinted Glass, Add	35.95	
For Low-E Insulated Glass, Add	74.91	
For Obscure Glass, Add	82.40	
08 53 13 00-0114 EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	431.42	63.51
For Colored Vinyl, Add	30.44	
For Tinted Glass, Add	36.53	
For Low-E Insulated Glass, Add	76.10	
For Obscure Glass, Add	83.70	
08 53 13 00-0115 EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	438.31	64.79
For Colored Vinyl, Add	30.87	
For Tinted Glass, Add	37.05	
For Low-E Insulated Glass, Add	77.18	
For Obscure Glass, Add	84.90	
08 53 13 00-0116 EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	454.62	67.33
For Colored Vinyl, Add	32.00	
For Tinted Glass, Add	38.40	
For Low-E Insulated Glass, Add	79.99	
For Obscure Glass, Add	87.99	
08 53 13 00-0117 EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	481.95	72.41
For Colored Vinyl, Add	33.71	
For Tinted Glass, Add	40.46	
For Low-E Insulated Glass, Add	84.28	
For Obscure Glass, Add	92.71	
08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0119 EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	414.64	60.98
For Colored Vinyl, Add	29.27	
For Tinted Glass, Add	35.12	
For Low-E Insulated Glass, Add	73.17	
For Obscure Glass, Add	80.49	
08 53 13 00-0120 EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	429.66	63.51
For Colored Vinyl, Add	30.26	
For Tinted Glass, Add	36.31	
For Low-E Insulated Glass, Add	75.66	
For Obscure Glass, Add	83.22	
08 53 13 00-0121 EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	437.16	64.79
For Colored Vinyl, Add	30.76	
For Tinted Glass, Add	36.91	
For Low-E Insulated Glass, Add	76.90	
For Obscure Glass, Add	84.58	
08 53 13 00-0122 EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	444.04	66.06
For Colored Vinyl, Add	31.19	
For Tinted Glass, Add	37.43	
For Low-E Insulated Glass, Add	77.98	
For Obscure Glass, Add	85.78	
08 53 13 00-0123 EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	460.63	68.60
For Colored Vinyl, Add	32.34	
For Tinted Glass, Add	38.81	
For Low-E Insulated Glass, Add	80.86	
For Obscure Glass, Add	88.94	
08 53 13 00-0124 EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	488.25	73.68
For Colored Vinyl, Add	34.09	
For Tinted Glass, Add	40.91	
For Low-E Insulated Glass, Add	85.22	
For Obscure Glass, Add	93.74	
08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0126 EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	433.15	64.79
For Colored Vinyl, Add	30.36	
For Tinted Glass, Add	36.43	
For Low-E Insulated Glass, Add	75.89	
For Obscure Glass, Add	83.48	
08 53 13 00-0127 EA 28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	448.18	67.33
For Colored Vinyl, Add	31.35	
For Tinted Glass, Add	37.62	
For Low-E Insulated Glass, Add	78.38	
For Obscure Glass, Add	86.22	
08 53 13 00-0128 EA 30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	454.53	68.60
For Colored Vinyl, Add	31.73	
For Tinted Glass, Add	38.08	
For Low-E Insulated Glass, Add	79.33	
For Obscure Glass, Add	87.27	
08 53 13 00-0129 EA 32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	461.41	69.87
For Colored Vinyl, Add	32.17	
For Tinted Glass, Add	38.60	
For Low-E Insulated Glass, Add	80.42	
For Obscure Glass, Add	88.46	
08 53 13 00-0130 EA 36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	478.62	72.41
For Colored Vinyl, Add	33.38	
For Tinted Glass, Add	40.06	
For Low-E Insulated Glass, Add	83.45	
For Obscure Glass, Add	91.80	
08 53 13 00-0131 EA 44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	507.63	77.49
For Colored Vinyl, Add	35.27	
For Tinted Glass, Add	42.32	
For Low-E Insulated Glass, Add	88.16	
For Obscure Glass, Add	96.98	
08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133 EA 24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	438.66	66.06
For Colored Vinyl, Add	30.65	
For Tinted Glass, Add	36.78	
For Low-E Insulated Glass, Add	76.64	
For Obscure Glass, Add	84.30	
08 53 13 00-0134 EA 28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	453.69	68.60
For Colored Vinyl, Add	31.65	
For Tinted Glass, Add	37.98	
For Low-E Insulated Glass, Add	79.12	
For Obscure Glass, Add	87.03	
08 53 13 00-0135 EA 30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	460.34	69.87
For Colored Vinyl, Add	32.06	
For Tinted Glass, Add	38.47	
For Low-E Insulated Glass, Add	80.15	
For Obscure Glass, Add	88.17	
08 53 13 00-0136 EA 32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	467.23	71.14
For Colored Vinyl, Add	32.50	
For Tinted Glass, Add	38.99	
For Low-E Insulated Glass, Add	81.24	
For Obscure Glass, Add	89.36	
08 53 13 00-0137 EA 36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	484.63	73.68
For Colored Vinyl, Add	33.73	
For Tinted Glass, Add	40.47	
For Low-E Insulated Glass, Add	84.32	
For Obscure Glass, Add	92.75	
08 53 13 00-0138 EA 44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	514.48	78.76
For Colored Vinyl, Add	35.70	
For Tinted Glass, Add	42.84	
For Low-E Insulated Glass, Add	89.24	
For Obscure Glass, Add	98.16	
08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140 EA 24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	444.23	67.33
For Colored Vinyl, Add	30.96	
For Tinted Glass, Add	37.15	
For Low-E Insulated Glass, Add	77.39	
For Obscure Glass, Add	85.13	
08 53 13 00-0141 EA 28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	459.25	69.87
For Colored Vinyl, Add	31.95	
For Tinted Glass, Add	38.34	
For Low-E Insulated Glass, Add	79.88	
For Obscure Glass, Add	87.87	
08 53 13 00-0142 EA 30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	466.08	71.14
For Colored Vinyl, Add	32.38	
For Tinted Glass, Add	38.86	
For Low-E Insulated Glass, Add	80.95	
For Obscure Glass, Add	89.05	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	472.96	72.41
			For Colored Vinyl, Add	32.81	
			For Tinted Glass, Add	39.38	
			For Low-E Insulated Glass, Add	82.04	
			For Obscure Glass, Add	90.24	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	490.65	74.95
			For Colored Vinyl, Add	34.08	
			For Tinted Glass, Add	40.89	
			For Low-E Insulated Glass, Add	85.19	
			For Obscure Glass, Add	93.71	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	521.24	80.04
			For Colored Vinyl, Add	36.12	
			For Tinted Glass, Add	43.34	
			For Low-E Insulated Glass, Add	90.29	
			For Obscure Glass, Add	99.32	
08 53 13 00-0146			50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	449.74	68.60
			For Colored Vinyl, Add	31.25	
			For Tinted Glass, Add	37.50	
			For Low-E Insulated Glass, Add	78.14	
			For Obscure Glass, Add	85.95	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	464.76	71.14
			For Colored Vinyl, Add	32.25	
			For Tinted Glass, Add	38.70	
			For Low-E Insulated Glass, Add	80.62	
			For Obscure Glass, Add	88.68	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	471.87	72.41
			For Colored Vinyl, Add	32.71	
			For Tinted Glass, Add	39.25	
			For Low-E Insulated Glass, Add	81.76	
			For Obscure Glass, Add	89.94	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	478.75	73.68
			For Colored Vinyl, Add	33.14	
			For Tinted Glass, Add	39.77	
			For Low-E Insulated Glass, Add	82.85	
			For Obscure Glass, Add	91.13	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	496.66	76.22
			For Colored Vinyl, Add	34.42	
			For Tinted Glass, Add	41.31	
			For Low-E Insulated Glass, Add	86.06	
			For Obscure Glass, Add	94.66	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	528.06	81.30
			For Colored Vinyl, Add	36.55	
			For Tinted Glass, Add	43.85	
			For Low-E Insulated Glass, Add	91.36	
			For Obscure Glass, Add	100.50	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	455.27	69.87
			For Colored Vinyl, Add	31.55	
			For Tinted Glass, Add	37.86	
			For Low-E Insulated Glass, Add	78.88	
			For Obscure Glass, Add	86.77	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	470.30	72.41
			For Colored Vinyl, Add	32.55	
			For Tinted Glass, Add	39.06	
			For Low-E Insulated Glass, Add	81.37	
			For Obscure Glass, Add	89.51	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	477.60	73.68
			For Colored Vinyl, Add	33.02	
			For Tinted Glass, Add	39.63	
			For Low-E Insulated Glass, Add	82.56	
			For Obscure Glass, Add	90.82	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	484.48	74.95
			For Colored Vinyl, Add	33.46	
			For Tinted Glass, Add	40.15	
			For Low-E Insulated Glass, Add	83.65	
			For Obscure Glass, Add	92.01	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	503.15	77.49
			For Colored Vinyl, Add	34.82	
			For Tinted Glass, Add	41.78	
			For Low-E Insulated Glass, Add	87.04	
			For Obscure Glass, Add	95.75	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	534.78	82.57
			For Colored Vinyl, Add	36.96	
			For Tinted Glass, Add	44.36	
			For Low-E Insulated Glass, Add	92.41	
			For Obscure Glass, Add	101.65	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0160		54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	460.84	71.14
		<i>For Colored Vinyl, Add</i>	31.86	
		<i>For Tinted Glass, Add</i>	38.23	
		<i>For Low-E Insulated Glass, Add</i>	79.64	
		<i>For Obscure Glass, Add</i>	87.60	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	475.86	73.68
		<i>For Colored Vinyl, Add</i>	32.85	
		<i>For Tinted Glass, Add</i>	39.42	
		<i>For Low-E Insulated Glass, Add</i>	82.13	
		<i>For Obscure Glass, Add</i>	90.34	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	483.42	74.95
		<i>For Colored Vinyl, Add</i>	33.35	
		<i>For Tinted Glass, Add</i>	40.02	
		<i>For Low-E Insulated Glass, Add</i>	83.38	
		<i>For Obscure Glass, Add</i>	91.72	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	490.30	76.22
		<i>For Colored Vinyl, Add</i>	33.79	
		<i>For Tinted Glass, Add</i>	40.54	
		<i>For Low-E Insulated Glass, Add</i>	84.47	
		<i>For Obscure Glass, Add</i>	92.91	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	509.64	78.76
		<i>For Colored Vinyl, Add</i>	35.21	
		<i>For Tinted Glass, Add</i>	42.25	
		<i>For Low-E Insulated Glass, Add</i>	88.03	
		<i>For Obscure Glass, Add</i>	96.83	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	541.52	83.85
		<i>For Colored Vinyl, Add</i>	37.38	
		<i>For Tinted Glass, Add</i>	44.86	
		<i>For Low-E Insulated Glass, Add</i>	93.46	
		<i>For Obscure Glass, Add</i>	102.80	
08 53 13 00-0167		60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	477.51	74.95
		<i>For Colored Vinyl, Add</i>	32.76	
		<i>For Tinted Glass, Add</i>	39.31	
		<i>For Low-E Insulated Glass, Add</i>	81.90	
		<i>For Obscure Glass, Add</i>	90.09	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	492.53	77.49
		<i>For Colored Vinyl, Add</i>	33.76	
		<i>For Tinted Glass, Add</i>	40.51	
		<i>For Low-E Insulated Glass, Add</i>	84.39	
		<i>For Obscure Glass, Add</i>	92.83	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	501.74	78.76
		<i>For Colored Vinyl, Add</i>	34.42	
		<i>For Tinted Glass, Add</i>	41.31	
		<i>For Low-E Insulated Glass, Add</i>	86.06	
		<i>For Obscure Glass, Add</i>	94.66	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	508.63	80.04
		<i>For Colored Vinyl, Add</i>	34.86	
		<i>For Tinted Glass, Add</i>	41.83	
		<i>For Low-E Insulated Glass, Add</i>	87.14	
		<i>For Obscure Glass, Add</i>	95.85	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	529.03	82.57
		<i>For Colored Vinyl, Add</i>	36.39	
		<i>For Tinted Glass, Add</i>	43.67	
		<i>For Low-E Insulated Glass, Add</i>	90.97	
		<i>For Obscure Glass, Add</i>	100.07	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	561.80	87.65
		<i>For Colored Vinyl, Add</i>	38.65	
		<i>For Tinted Glass, Add</i>	46.38	
		<i>For Low-E Insulated Glass, Add</i>	96.62	
		<i>For Obscure Glass, Add</i>	106.28	
08 53 13 00-0174		62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	483.04	76.22
		<i>For Colored Vinyl, Add</i>	33.06	
		<i>For Tinted Glass, Add</i>	39.67	
		<i>For Low-E Insulated Glass, Add</i>	82.65	
		<i>For Obscure Glass, Add</i>	90.92	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	498.07	78.76
		<i>For Colored Vinyl, Add</i>	34.06	
		<i>For Tinted Glass, Add</i>	40.87	
		<i>For Low-E Insulated Glass, Add</i>	85.14	
		<i>For Obscure Glass, Add</i>	93.65	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	507.96	80.04
			<i>For Colored Vinyl, Add</i>	34.79	
			<i>For Tinted Glass, Add</i>	41.75	
			<i>For Low-E Insulated Glass, Add</i>	86.97	
			<i>For Obscure Glass, Add</i>	95.67	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	514.84	81.30
			<i>For Colored Vinyl, Add</i>	35.22	
			<i>For Tinted Glass, Add</i>	42.27	
			<i>For Low-E Insulated Glass, Add</i>	88.06	
			<i>For Obscure Glass, Add</i>	96.86	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	535.47	83.85
			<i>For Colored Vinyl, Add</i>	36.78	
			<i>For Tinted Glass, Add</i>	44.13	
			<i>For Low-E Insulated Glass, Add</i>	91.95	
			<i>For Obscure Glass, Add</i>	101.14	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	569.10	88.93
			<i>For Colored Vinyl, Add</i>	39.13	
			<i>For Tinted Glass, Add</i>	46.95	
			<i>For Low-E Insulated Glass, Add</i>	97.81	
			<i>For Obscure Glass, Add</i>	107.59	
08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	495.13	78.76
			<i>For Colored Vinyl, Add</i>	33.76	
			<i>For Tinted Glass, Add</i>	40.51	
			<i>For Low-E Insulated Glass, Add</i>	84.40	
			<i>For Obscure Glass, Add</i>	92.84	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	510.16	81.30
			<i>For Colored Vinyl, Add</i>	34.76	
			<i>For Tinted Glass, Add</i>	41.71	
			<i>For Low-E Insulated Glass, Add</i>	86.89	
			<i>For Obscure Glass, Add</i>	95.58	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	520.41	82.57
			<i>For Colored Vinyl, Add</i>	35.53	
			<i>For Tinted Glass, Add</i>	42.63	
			<i>For Low-E Insulated Glass, Add</i>	88.82	
			<i>For Obscure Glass, Add</i>	97.70	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	527.29	83.85
			<i>For Colored Vinyl, Add</i>	35.96	
			<i>For Tinted Glass, Add</i>	43.15	
			<i>For Low-E Insulated Glass, Add</i>	89.90	
			<i>For Obscure Glass, Add</i>	98.89	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	548.45	86.38
			<i>For Colored Vinyl, Add</i>	37.57	
			<i>For Tinted Glass, Add</i>	45.08	
			<i>For Low-E Insulated Glass, Add</i>	93.92	
			<i>For Obscure Glass, Add</i>	103.31	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	583.26	91.46
			<i>For Colored Vinyl, Add</i>	40.03	
			<i>For Tinted Glass, Add</i>	48.04	
			<i>For Low-E Insulated Glass, Add</i>	100.08	
			<i>For Obscure Glass, Add</i>	110.09	
08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	513.26	82.57
			<i>For Colored Vinyl, Add</i>	34.81	
			<i>For Tinted Glass, Add</i>	41.77	
			<i>For Low-E Insulated Glass, Add</i>	87.03	
			<i>For Obscure Glass, Add</i>	95.73	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	528.29	85.12
			<i>For Colored Vinyl, Add</i>	35.81	
			<i>For Tinted Glass, Add</i>	42.97	
			<i>For Low-E Insulated Glass, Add</i>	89.52	
			<i>For Obscure Glass, Add</i>	98.47	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	538.53	86.38
			<i>For Colored Vinyl, Add</i>	36.58	
			<i>For Tinted Glass, Add</i>	43.89	
			<i>For Low-E Insulated Glass, Add</i>	91.44	
			<i>For Obscure Glass, Add</i>	100.58	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	545.41	87.65
			<i>For Colored Vinyl, Add</i>	37.01	
			<i>For Tinted Glass, Add</i>	44.41	
			<i>For Low-E Insulated Glass, Add</i>	92.53	
			<i>For Obscure Glass, Add</i>	101.78	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	566.57	90.20
			<i>For Colored Vinyl, Add</i>	38.62	
			<i>For Tinted Glass, Add</i>	46.34	
			<i>For Low-E Insulated Glass, Add</i>	96.55	
			<i>For Obscure Glass, Add</i>	106.20	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0194 EA 44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	601.39	95.28
For Colored Vinyl, Add	41.08	
For Tinted Glass, Add	49.30	
For Low-E Insulated Glass, Add	102.71	
For Obscure Glass, Add	112.98	
08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) (08 53 13 00-0102)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196 EA Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	491.25	66.69
For Colored Vinyl, Add	35.79	
For Tinted Glass, Add	42.94	
For Low-E Insulated Glass, Add	89.47	
For Obscure Glass, Add	98.41	
08 53 13 00-0197 EA >73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	541.36	73.04
For Colored Vinyl, Add	39.53	
For Tinted Glass, Add	47.43	
For Low-E Insulated Glass, Add	96.82	
For Obscure Glass, Add	108.70	
08 53 13 00-0198 EA >83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	588.64	79.40
For Colored Vinyl, Add	42.99	
For Tinted Glass, Add	51.58	
For Low-E Insulated Glass, Add	107.46	
For Obscure Glass, Add	118.21	
08 53 13 00-0199 EA >93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	624.18	85.75
For Colored Vinyl, Add	45.27	
For Tinted Glass, Add	54.32	
For Low-E Insulated Glass, Add	113.17	
For Obscure Glass, Add	124.49	
08 53 13 00-0200 EA >101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	661.82	92.10
For Colored Vinyl, Add	47.76	
For Tinted Glass, Add	57.31	
For Low-E Insulated Glass, Add	119.40	
For Obscure Glass, Add	131.34	
08 53 13 00-0201 EA >110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	717.93	98.46
For Colored Vinyl, Add	52.10	
For Tinted Glass, Add	62.52	
For Low-E Insulated Glass, Add	130.26	
For Obscure Glass, Add	143.28	
08 53 13 00-0202 UI >120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	5.99	0.82
For Colored Vinyl, Add	0.43	
For Tinted Glass, Add	0.52	
For Low-E Insulated Glass, Add	1.09	
For Obscure Glass, Add	1.19	
08 53 13 00-0203 Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207 EA 17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	364.93	48.27
For Colored Vinyl, Add	26.97	
For Tinted Glass, Add	32.36	
For Low-E Insulated Glass, Add	67.41	
For Obscure Glass, Add	74.15	
08 53 13 00-0208 EA 20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	377.84	49.54
For Colored Vinyl, Add	27.88	
For Tinted Glass, Add	33.45	
For Low-E Insulated Glass, Add	69.69	
For Obscure Glass, Add	76.66	
08 53 13 00-0209 EA 24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	392.03	52.09
For Colored Vinyl, Add	28.79	
For Tinted Glass, Add	34.54	
For Low-E Insulated Glass, Add	71.97	
For Obscure Glass, Add	79.16	
08 53 13 00-0210 EA 28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	416.24	54.62
For Colored Vinyl, Add	30.70	
For Tinted Glass, Add	36.84	
For Low-E Insulated Glass, Add	76.75	
For Obscure Glass, Add	84.42	
08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0212 EA 17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	386.96	50.82
For Colored Vinyl, Add	28.66	
For Tinted Glass, Add	34.39	
For Low-E Insulated Glass, Add	71.65	
For Obscure Glass, Add	78.82	
08 53 13 00-0213 EA 20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	400.91	52.09
For Colored Vinyl, Add	29.67	
For Tinted Glass, Add	35.61	
For Low-E Insulated Glass, Add	74.19	
For Obscure Glass, Add	81.60	
08 53 13 00-0214 EA 24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	416.10	54.62
For Colored Vinyl, Add	30.69	
For Tinted Glass, Add	36.82	
For Low-E Insulated Glass, Add	76.71	
For Obscure Glass, Add	84.38	
08 53 13 00-0215 EA 28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	441.55	57.17
For Colored Vinyl, Add	32.72	
For Tinted Glass, Add	39.27	
For Low-E Insulated Glass, Add	81.81	
For Obscure Glass, Add	89.99	
08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217 EA 17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	414.06	54.62
For Colored Vinyl, Add	30.48	
For Tinted Glass, Add	36.58	
For Low-E Insulated Glass, Add	76.20	
For Obscure Glass, Add	83.82	
08 53 13 00-0218 EA 20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	428.52	57.17
For Colored Vinyl, Add	31.55	
For Tinted Glass, Add	37.85	
For Low-E Insulated Glass, Add	78.86	
For Obscure Glass, Add	86.75	
08 53 13 00-0219 EA 24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	444.27	59.07
For Colored Vinyl, Add	32.61	
For Tinted Glass, Add	39.13	
For Low-E Insulated Glass, Add	81.53	
For Obscure Glass, Add	89.68	
08 53 13 00-0220 EA 28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	470.70	61.61
For Colored Vinyl, Add	34.75	
For Tinted Glass, Add	41.70	
For Low-E Insulated Glass, Add	86.87	
For Obscure Glass, Add	95.55	
08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0222 EA 17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	437.97	58.43
For Colored Vinyl, Add	32.24	
For Tinted Glass, Add	38.68	
For Low-E Insulated Glass, Add	80.59	
For Obscure Glass, Add	88.65	
08 53 13 00-0223 EA 20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	453.15	59.70
For Colored Vinyl, Add	33.37	
For Tinted Glass, Add	40.05	
For Low-E Insulated Glass, Add	83.44	
For Obscure Glass, Add	91.78	
08 53 13 00-0224 EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	469.61	62.25
For Colored Vinyl, Add	34.51	
For Tinted Glass, Add	41.41	
For Low-E Insulated Glass, Add	86.28	
For Obscure Glass, Add	94.91	
08 53 13 00-0225 EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	498.06	64.79
For Colored Vinyl, Add	36.85	
For Tinted Glass, Add	44.22	
For Low-E Insulated Glass, Add	92.12	
For Obscure Glass, Add	101.33	
08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227 EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	465.86	63.51
For Colored Vinyl, Add	34.01	
For Tinted Glass, Add	40.81	
For Low-E Insulated Glass, Add	85.03	
For Obscure Glass, Add	93.53	
08 53 13 00-0228 EA 20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	481.67	64.79
For Colored Vinyl, Add	35.21	
For Tinted Glass, Add	42.25	
For Low-E Insulated Glass, Add	88.02	
For Obscure Glass, Add	96.82	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0229 EA 24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	498.77	67.33
For Colored Vinyl, Add	36.41	
For Tinted Glass, Add	43.69	
For Low-E Insulated Glass, Add	91.03	
For Obscure Glass, Add	100.13	
08 53 13 00-0230 EA 28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	529.87	69.87
For Colored Vinyl, Add	39.01	
For Tinted Glass, Add	46.82	
For Low-E Insulated Glass, Add	97.53	
For Obscure Glass, Add	107.29	
08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232 EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	488.59	66.06
For Colored Vinyl, Add	35.78	
For Tinted Glass, Add	42.93	
For Low-E Insulated Glass, Add	89.44	
For Obscure Glass, Add	98.38	
08 53 13 00-0233 EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	505.24	67.33
For Colored Vinyl, Add	37.06	
For Tinted Glass, Add	44.47	
For Low-E Insulated Glass, Add	92.65	
For Obscure Glass, Add	101.91	
08 53 13 00-0234 EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	523.12	69.87
For Colored Vinyl, Add	38.34	
For Tinted Glass, Add	46.01	
For Low-E Insulated Glass, Add	95.85	
For Obscure Glass, Add	105.43	
08 53 13 00-0235 EA 28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	554.73	72.41
For Colored Vinyl, Add	40.99	
For Tinted Glass, Add	49.19	
For Low-E Insulated Glass, Add	102.48	
For Obscure Glass, Add	112.73	
08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0237 EA 17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	515.14	69.87
For Colored Vinyl, Add	37.54	
For Tinted Glass, Add	45.05	
For Low-E Insulated Glass, Add	93.85	
For Obscure Glass, Add	103.24	
08 53 13 00-0238 EA 20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	532.59	72.41
For Colored Vinyl, Add	38.90	
For Tinted Glass, Add	46.68	
For Low-E Insulated Glass, Add	97.26	
For Obscure Glass, Add	106.99	
08 53 13 00-0239 EA 24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	551.31	74.32
For Colored Vinyl, Add	40.27	
For Tinted Glass, Add	48.32	
For Low-E Insulated Glass, Add	100.67	
For Obscure Glass, Add	110.74	
08 53 13 00-0240 EA 28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	583.40	76.86
For Colored Vinyl, Add	42.97	
For Tinted Glass, Add	51.56	
For Low-E Insulated Glass, Add	107.42	
For Obscure Glass, Add	118.16	
08 53 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0242 EA 17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	538.72	73.68
For Colored Vinyl, Add	39.26	
For Tinted Glass, Add	47.11	
For Low-E Insulated Glass, Add	98.16	
For Obscure Glass, Add	107.97	
08 53 13 00-0243 EA 20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	556.59	74.95
For Colored Vinyl, Add	40.67	
For Tinted Glass, Add	48.80	
For Low-E Insulated Glass, Add	101.67	
For Obscure Glass, Add	111.84	
08 53 13 00-0244 EA 24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	576.43	77.49
For Colored Vinyl, Add	42.15	
For Tinted Glass, Add	50.57	
For Low-E Insulated Glass, Add	105.36	
For Obscure Glass, Add	115.90	
08 53 13 00-0245 EA 28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	607.82	80.04
For Colored Vinyl, Add	44.78	
For Tinted Glass, Add	53.73	
For Low-E Insulated Glass, Add	111.94	
For Obscure Glass, Add	123.13	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0247 EA 17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	567.97	77.49
For Colored Vinyl, Add	41.30	
For Tinted Glass, Add	49.56	
For Low-E Insulated Glass, Add	103.25	
For Obscure Glass, Add	113.57	
08 53 13 00-0248 EA 20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	586.71	80.04
For Colored Vinyl, Add	42.79	
For Tinted Glass, Add	51.35	
For Low-E Insulated Glass, Add	106.98	
For Obscure Glass, Add	117.68	
08 53 13 00-0249 EA 24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	605.77	81.94
For Colored Vinyl, Add	44.19	
For Tinted Glass, Add	53.03	
For Low-E Insulated Glass, Add	110.48	
For Obscure Glass, Add	121.52	
08 53 13 00-0250 EA 28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	636.79	84.48
For Colored Vinyl, Add	46.78	
For Tinted Glass, Add	56.14	
For Low-E Insulated Glass, Add	116.96	
For Obscure Glass, Add	128.66	
08 53 13 00-0251 Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253 EA 33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	715.02	64.79
For Colored Vinyl, Add	58.54	
For Tinted Glass, Add	70.25	
For Low-E Insulated Glass, Add	146.36	
For Obscure Glass, Add	161.00	
08 53 13 00-0254 EA 40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	742.28	69.87
For Colored Vinyl, Add	60.38	
For Tinted Glass, Add	72.46	
For Low-E Insulated Glass, Add	150.95	
For Obscure Glass, Add	166.05	
08 53 13 00-0255 EA 48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	770.85	74.95
For Colored Vinyl, Add	62.22	
For Tinted Glass, Add	74.67	
For Low-E Insulated Glass, Add	155.56	
For Obscure Glass, Add	171.11	
08 53 13 00-0256 EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	802.83	79.40
For Colored Vinyl, Add	64.40	
For Tinted Glass, Add	77.28	
For Low-E Insulated Glass, Add	161.01	
For Obscure Glass, Add	177.11	
08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258 EA 33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	756.76	67.96
For Colored Vinyl, Add	62.08	
For Tinted Glass, Add	74.50	
For Low-E Insulated Glass, Add	155.21	
For Obscure Glass, Add	170.73	
08 53 13 00-0259 EA 40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	785.55	72.41
For Colored Vinyl, Add	64.07	
For Tinted Glass, Add	76.89	
For Low-E Insulated Glass, Add	160.18	
For Obscure Glass, Add	176.20	
08 53 13 00-0260 EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	815.63	77.49
For Colored Vinyl, Add	66.07	
For Tinted Glass, Add	79.28	
For Low-E Insulated Glass, Add	165.16	
For Obscure Glass, Add	181.68	
08 53 13 00-0261 EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	846.70	82.57
For Colored Vinyl, Add	68.16	
For Tinted Glass, Add	81.79	
For Low-E Insulated Glass, Add	170.39	
For Obscure Glass, Add	187.43	
08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263 EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	803.05	73.04
For Colored Vinyl, Add	65.70	
For Tinted Glass, Add	78.83	
For Low-E Insulated Glass, Add	164.24	
For Obscure Glass, Add	180.66	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0264 EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	832.91	77.49
For Colored Vinyl, Add	67.79	
For Tinted Glass, Add	81.35	
For Low-E Insulated Glass, Add	169.48	
For Obscure Glass, Add	186.43	
08 53 13 00-0265 EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	864.09	82.57
For Colored Vinyl, Add	69.89	
For Tinted Glass, Add	83.87	
For Low-E Insulated Glass, Add	174.74	
For Obscure Glass, Add	192.21	
08 53 13 00-0266 EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	897.70	87.65
For Colored Vinyl, Add	72.24	
For Tinted Glass, Add	86.69	
For Low-E Insulated Glass, Add	180.60	
For Obscure Glass, Add	198.66	
08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0268 EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	844.16	75.59
For Colored Vinyl, Add	69.30	
For Tinted Glass, Add	83.16	
For Low-E Insulated Glass, Add	173.25	
For Obscure Glass, Add	190.57	
08 53 13 00-0269 EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	875.48	80.04
For Colored Vinyl, Add	71.54	
For Tinted Glass, Add	85.85	
For Low-E Insulated Glass, Add	178.85	
For Obscure Glass, Add	196.74	
08 53 13 00-0270 EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	908.08	85.12
For Colored Vinyl, Add	73.79	
For Tinted Glass, Add	88.54	
For Low-E Insulated Glass, Add	184.46	
For Obscure Glass, Add	202.91	
08 53 13 00-0271 EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	942.19	90.20
For Colored Vinyl, Add	76.18	
For Tinted Glass, Add	91.42	
For Low-E Insulated Glass, Add	190.45	
For Obscure Glass, Add	209.50	
08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0273 EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	889.07	80.04
For Colored Vinyl, Add	72.90	
For Tinted Glass, Add	87.48	
For Low-E Insulated Glass, Add	182.25	
For Obscure Glass, Add	200.48	
08 53 13 00-0274 EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	921.84	85.12
For Colored Vinyl, Add	75.29	
For Tinted Glass, Add	90.35	
For Low-E Insulated Glass, Add	188.22	
For Obscure Glass, Add	207.04	
08 53 13 00-0275 EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	955.88	90.20
For Colored Vinyl, Add	77.68	
For Tinted Glass, Add	93.21	
For Low-E Insulated Glass, Add	194.19	
For Obscure Glass, Add	213.61	
08 53 13 00-0276 EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	990.48	94.64
For Colored Vinyl, Add	80.12	
For Tinted Glass, Add	96.14	
For Low-E Insulated Glass, Add	200.30	
For Obscure Glass, Add	220.33	
08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0278 EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	932.62	83.20
For Colored Vinyl, Add	76.62	
For Tinted Glass, Add	91.94	
For Low-E Insulated Glass, Add	191.55	
For Obscure Glass, Add	210.71	
08 53 13 00-0279 EA 40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	965.41	87.65
For Colored Vinyl, Add	79.01	
For Tinted Glass, Add	94.81	
For Low-E Insulated Glass, Add	197.53	
For Obscure Glass, Add	217.28	
08 53 13 00-0280 EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	999.32	92.73
For Colored Vinyl, Add	81.39	
For Tinted Glass, Add	97.66	
For Low-E Insulated Glass, Add	203.46	
For Obscure Glass, Add	223.81	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0281 EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,034.03	97.81
<i>For Colored Vinyl, Add</i>	83.84	
<i>For Tinted Glass, Add</i>	100.61	
<i>For Low-E Insulated Glass, Add</i>	209.60	
<i>For Obscure Glass, Add</i>	230.56	
08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0283 EA 33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	981.12	87.65
<i>For Colored Vinyl, Add</i>	80.58	
<i>For Tinted Glass, Add</i>	96.70	
<i>For Low-E Insulated Glass, Add</i>	201.45	
<i>For Obscure Glass, Add</i>	221.60	
08 53 13 00-0284 EA 40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,013.92	92.73
<i>For Colored Vinyl, Add</i>	82.97	
<i>For Tinted Glass, Add</i>	99.57	
<i>For Low-E Insulated Glass, Add</i>	207.43	
<i>For Obscure Glass, Add</i>	228.17	
08 53 13 00-0285 EA 48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,047.97	97.81
<i>For Colored Vinyl, Add</i>	85.36	
<i>For Tinted Glass, Add</i>	102.43	
<i>For Low-E Insulated Glass, Add</i>	213.40	
<i>For Obscure Glass, Add</i>	234.74	
08 53 13 00-0286 EA 56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,082.56	102.26
<i>For Colored Vinyl, Add</i>	87.80	
<i>For Tinted Glass, Add</i>	105.36	
<i>For Low-E Insulated Glass, Add</i>	219.51	
<i>For Obscure Glass, Add</i>	241.46	
08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0264)		
08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0289 EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	884.04	82.57
<i>For Colored Vinyl, Add</i>	71.89	
<i>For Tinted Glass, Add</i>	86.27	
<i>For Low-E Insulated Glass, Add</i>	179.72	
<i>For Obscure Glass, Add</i>	197.69	
08 53 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	927.02	88.93
<i>For Colored Vinyl, Add</i>	74.92	
<i>For Tinted Glass, Add</i>	89.90	
<i>For Low-E Insulated Glass, Add</i>	187.29	
<i>For Obscure Glass, Add</i>	206.02	
08 53 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,003.05	98.46
<i>For Colored Vinyl, Add</i>	80.62	
<i>For Tinted Glass, Add</i>	96.74	
<i>For Low-E Insulated Glass, Add</i>	201.54	
<i>For Obscure Glass, Add</i>	221.69	
08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0293 EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	940.89	86.38
<i>For Colored Vinyl, Add</i>	76.94	
<i>For Tinted Glass, Add</i>	92.33	
<i>For Low-E Insulated Glass, Add</i>	192.35	
<i>For Obscure Glass, Add</i>	211.58	
08 53 13 00-0294 EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	984.19	92.10
<i>For Colored Vinyl, Add</i>	80.00	
<i>For Tinted Glass, Add</i>	96.00	
<i>For Low-E Insulated Glass, Add</i>	200.00	
<i>For Obscure Glass, Add</i>	219.99	
08 53 13 00-0295 EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,064.31	101.63
<i>For Colored Vinyl, Add</i>	86.11	
<i>For Tinted Glass, Add</i>	103.33	
<i>For Low-E Insulated Glass, Add</i>	215.26	
<i>For Obscure Glass, Add</i>	236.79	
08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297 EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	995.60	91.46
<i>For Colored Vinyl, Add</i>	81.27	
<i>For Tinted Glass, Add</i>	97.52	
<i>For Low-E Insulated Glass, Add</i>	203.17	
<i>For Obscure Glass, Add</i>	223.48	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0298 EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,045.90	97.18
For Colored Vinyl, Add	85.15	
For Tinted Glass, Add	102.18	
For Low-E Insulated Glass, Add	212.88	
For Obscure Glass, Add	234.17	
08 53 13 00-0299 EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,129.52	106.71
For Colored Vinyl, Add	91.61	
For Tinted Glass, Add	109.93	
For Low-E Insulated Glass, Add	229.03	
For Obscure Glass, Add	251.93	
08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301 EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,049.45	94.01
For Colored Vinyl, Add	86.14	
For Tinted Glass, Add	103.37	
For Low-E Insulated Glass, Add	215.36	
For Obscure Glass, Add	236.90	
08 53 13 00-0302 EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,103.15	100.36
For Colored Vinyl, Add	90.24	
For Tinted Glass, Add	108.29	
For Low-E Insulated Glass, Add	225.61	
For Obscure Glass, Add	248.17	
08 53 13 00-0303 EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,197.74	109.25
For Colored Vinyl, Add	97.92	
For Tinted Glass, Add	117.51	
For Low-E Insulated Glass, Add	244.81	
For Obscure Glass, Add	269.29	
08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305 EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,107.09	98.46
For Colored Vinyl, Add	91.02	
For Tinted Glass, Add	109.22	
For Low-E Insulated Glass, Add	227.55	
For Obscure Glass, Add	250.30	
08 53 13 00-0306 EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,162.91	104.81
For Colored Vinyl, Add	95.33	
For Tinted Glass, Add	114.40	
For Low-E Insulated Glass, Add	238.33	
For Obscure Glass, Add	262.16	
08 53 13 00-0307 EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,269.78	113.70
For Colored Vinyl, Add	104.24	
For Tinted Glass, Add	125.09	
For Low-E Insulated Glass, Add	260.60	
For Obscure Glass, Add	286.65	
08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309 EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,168.52	101.63
For Colored Vinyl, Add	96.53	
For Tinted Glass, Add	115.83	
For Low-E Insulated Glass, Add	241.32	
For Obscure Glass, Add	265.45	
08 53 13 00-0310 EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,224.30	107.98
For Colored Vinyl, Add	100.83	
For Tinted Glass, Add	121.00	
For Low-E Insulated Glass, Add	252.09	
For Obscure Glass, Add	277.29	
08 53 13 00-0311 EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,331.17	116.87
For Colored Vinyl, Add	109.74	
For Tinted Glass, Add	131.69	
For Low-E Insulated Glass, Add	274.36	
For Obscure Glass, Add	301.79	
08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313 EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,232.59	106.07
For Colored Vinyl, Add	102.04	
For Tinted Glass, Add	122.45	
For Low-E Insulated Glass, Add	255.11	
For Obscure Glass, Add	280.62	
08 53 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,288.38	112.43
For Colored Vinyl, Add	106.35	
For Tinted Glass, Add	127.62	
For Low-E Insulated Glass, Add	265.88	
For Obscure Glass, Add	292.47	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,395.25	121.32
For Colored Vinyl, Add	115.26	
For Tinted Glass, Add	138.31	
For Low-E Insulated Glass, Add	288.15	
For Obscure Glass, Add	316.97	
08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318 EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	464.30	53.99
For Colored Vinyl, Add	35.63	
For Tinted Glass, Add	42.76	
For Low-E Insulated Glass, Add	89.08	
For Obscure Glass, Add	97.99	
08 53 13 00-0319 EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	526.58	60.35
For Colored Vinyl, Add	40.59	
For Tinted Glass, Add	48.71	
For Low-E Insulated Glass, Add	101.48	
For Obscure Glass, Add	111.62	
08 53 13 00-0320 EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	583.27	66.69
For Colored Vinyl, Add	44.99	
For Tinted Glass, Add	53.99	
For Low-E Insulated Glass, Add	112.47	
For Obscure Glass, Add	123.72	
08 53 13 00-0321 EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	634.36	73.04
For Colored Vinyl, Add	48.83	
For Tinted Glass, Add	58.59	
For Low-E Insulated Glass, Add	122.07	
For Obscure Glass, Add	134.27	
08 53 13 00-0322 EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	679.82	79.40
For Colored Vinyl, Add	52.10	
For Tinted Glass, Add	62.52	
For Low-E Insulated Glass, Add	130.26	
For Obscure Glass, Add	143.28	
08 53 13 00-0323 EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	709.06	85.75
For Colored Vinyl, Add	53.76	
For Tinted Glass, Add	64.51	
For Low-E Insulated Glass, Add	134.39	
For Obscure Glass, Add	147.83	
08 53 13 00-0324 UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	6.97	0.82
For Colored Vinyl, Add	0.53	
For Tinted Glass, Add	0.64	
For Low-E Insulated Glass, Add	1.33	
For Obscure Glass, Add	1.46	
08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326 EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	757.09	66.69
For Colored Vinyl, Add	62.37	
For Tinted Glass, Add	74.84	
For Low-E Insulated Glass, Add	155.93	
For Obscure Glass, Add	171.52	
08 53 13 00-0327 EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	831.99	73.04
For Colored Vinyl, Add	68.59	
For Tinted Glass, Add	82.31	
For Low-E Insulated Glass, Add	171.47	
For Obscure Glass, Add	188.62	
08 53 13 00-0328 EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	901.26	79.40
For Colored Vinyl, Add	74.25	
For Tinted Glass, Add	89.10	
For Low-E Insulated Glass, Add	185.62	
For Obscure Glass, Add	204.18	
08 53 13 00-0329 EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	949.55	85.75
For Colored Vinyl, Add	77.81	
For Tinted Glass, Add	93.37	
For Low-E Insulated Glass, Add	194.51	
For Obscure Glass, Add	213.96	
08 53 13 00-0330 EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,000.78	92.10
For Colored Vinyl, Add	81.66	
For Tinted Glass, Add	97.99	
For Low-E Insulated Glass, Add	204.14	
For Obscure Glass, Add	224.56	
08 53 13 00-0331 EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,054.09	98.46
For Colored Vinyl, Add	85.72	
For Tinted Glass, Add	102.86	
For Low-E Insulated Glass, Add	214.30	
For Obscure Glass, Add	235.73	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0332 UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	8.79	0.82
For Colored Vinyl, Add	0.71	
For Tinted Glass, Add	0.86	
For Low-E Insulated Glass, Add	1.79	
For Obscure Glass, Add	1.96	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>		
08 53 13 00-0334 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	787.76	66.69
For Colored Vinyl, Add	65.44	
For Tinted Glass, Add	78.52	
For Low-E Insulated Glass, Add	163.59	
For Obscure Glass, Add	179.95	
08 53 13 00-0335 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	866.02	73.04
For Colored Vinyl, Add	71.99	
For Tinted Glass, Add	86.39	
For Low-E Insulated Glass, Add	179.98	
For Obscure Glass, Add	197.98	
08 53 13 00-0336 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	940.34	79.40
For Colored Vinyl, Add	78.16	
For Tinted Glass, Add	93.79	
For Low-E Insulated Glass, Add	195.39	
For Obscure Glass, Add	214.93	
08 53 13 00-0337 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	991.99	85.75
For Colored Vinyl, Add	82.05	
For Tinted Glass, Add	98.46	
For Low-E Insulated Glass, Add	205.12	
For Obscure Glass, Add	225.63	
08 53 13 00-0338 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,047.00	92.10
For Colored Vinyl, Add	86.28	
For Tinted Glass, Add	103.53	
For Low-E Insulated Glass, Add	215.70	
For Obscure Glass, Add	237.27	
08 53 13 00-0339 EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,104.51	98.46
For Colored Vinyl, Add	90.76	
For Tinted Glass, Add	108.91	
For Low-E Insulated Glass, Add	226.90	
For Obscure Glass, Add	249.59	
08 53 13 00-0340 UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	9.21	0.82
For Colored Vinyl, Add	0.76	
For Tinted Glass, Add	0.91	
For Low-E Insulated Glass, Add	1.89	
For Obscure Glass, Add	2.08	
08 53 13 00-0341 Awning Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0341)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0342)</small>		
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0345 EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	466.01	52.09
For Colored Vinyl, Add	36.18	
For Tinted Glass, Add	43.42	
For Low-E Insulated Glass, Add	90.46	
For Obscure Glass, Add	99.51	
08 53 13 00-0346 EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	487.90	54.62
For Colored Vinyl, Add	37.87	
For Tinted Glass, Add	45.44	
For Low-E Insulated Glass, Add	94.66	
For Obscure Glass, Add	104.13	
08 53 13 00-0347 EA 36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	522.01	59.07
For Colored Vinyl, Add	40.39	
For Tinted Glass, Add	48.46	
For Low-E Insulated Glass, Add	100.97	
For Obscure Glass, Add	111.06	
08 53 13 00-0348 EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	544.20	62.25
For Colored Vinyl, Add	41.97	
For Tinted Glass, Add	50.37	
For Low-E Insulated Glass, Add	104.93	
For Obscure Glass, Add	115.42	
08 53 13 00-0349 EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	580.54	67.33
For Colored Vinyl, Add	44.59	
For Tinted Glass, Add	53.51	
For Low-E Insulated Glass, Add	111.47	
For Obscure Glass, Add	122.62	
08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0351 EA 24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	490.83	54.62
For Colored Vinyl, Add	38.29	
For Tinted Glass, Add	45.94	
For Low-E Insulated Glass, Add	95.71	
For Obscure Glass, Add	105.28	
08 53 13 00-0352 EA 28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	512.73	57.17
For Colored Vinyl, Add	39.97	
For Tinted Glass, Add	47.96	
For Low-E Insulated Glass, Add	99.92	
For Obscure Glass, Add	109.91	
08 53 13 00-0353 EA 36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	549.15	60.98
For Colored Vinyl, Add	42.72	
For Tinted Glass, Add	51.26	
For Low-E Insulated Glass, Add	106.80	
For Obscure Glass, Add	117.48	
08 53 13 00-0354 EA 40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	571.39	64.79
For Colored Vinyl, Add	44.31	
For Tinted Glass, Add	53.17	
For Low-E Insulated Glass, Add	110.77	
For Obscure Glass, Add	121.85	
08 53 13 00-0355 EA 48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	610.01	69.23
For Colored Vinyl, Add	47.15	
For Tinted Glass, Add	56.58	
For Low-E Insulated Glass, Add	117.89	
For Obscure Glass, Add	129.67	
08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357 EA 24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	507.57	57.17
For Colored Vinyl, Add	39.45	
For Tinted Glass, Add	47.34	
For Low-E Insulated Glass, Add	98.63	
For Obscure Glass, Add	108.49	
08 53 13 00-0358 EA 28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	529.46	59.70
For Colored Vinyl, Add	41.13	
For Tinted Glass, Add	49.36	
For Low-E Insulated Glass, Add	102.83	
For Obscure Glass, Add	113.11	
08 53 13 00-0359 EA 36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	567.06	63.51
For Colored Vinyl, Add	44.00	
For Tinted Glass, Add	52.80	
For Low-E Insulated Glass, Add	110.01	
For Obscure Glass, Add	121.01	
08 53 13 00-0360 EA 40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	591.17	67.33
For Colored Vinyl, Add	45.78	
For Tinted Glass, Add	54.93	
For Low-E Insulated Glass, Add	114.45	
For Obscure Glass, Add	125.89	
08 53 13 00-0361 EA 48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	630.27	71.78
For Colored Vinyl, Add	48.67	
For Tinted Glass, Add	58.41	
For Low-E Insulated Glass, Add	121.68	
For Obscure Glass, Add	133.85	
08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363 EA 24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	524.33	59.70
For Colored Vinyl, Add	40.62	
For Tinted Glass, Add	48.74	
For Low-E Insulated Glass, Add	101.55	
For Obscure Glass, Add	111.70	
08 53 13 00-0364 EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	546.22	62.25
For Colored Vinyl, Add	42.30	
For Tinted Glass, Add	50.76	
For Low-E Insulated Glass, Add	105.75	
For Obscure Glass, Add	116.32	
08 53 13 00-0365 EA 36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	585.00	66.06
For Colored Vinyl, Add	45.29	
For Tinted Glass, Add	54.35	
For Low-E Insulated Glass, Add	113.22	
For Obscure Glass, Add	124.54	
08 53 13 00-0366 EA 40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	610.85	69.87
For Colored Vinyl, Add	47.24	
For Tinted Glass, Add	56.69	
For Low-E Insulated Glass, Add	118.10	
For Obscure Glass, Add	129.90	
08 53 13 00-0367 EA 48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	650.53	74.32
For Colored Vinyl, Add	50.19	
For Tinted Glass, Add	60.23	
For Low-E Insulated Glass, Add	125.48	
For Obscure Glass, Add	138.02	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369 EA 36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	619.55	70.51
For Colored Vinyl, Add	47.85	
For Tinted Glass, Add	57.42	
For Low-E Insulated Glass, Add	119.64	
For Obscure Glass, Add	131.60	
08 53 13 00-0370 EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	645.42	73.68
For Colored Vinyl, Add	49.81	
For Tinted Glass, Add	59.77	
For Low-E Insulated Glass, Add	124.52	
For Obscure Glass, Add	136.97	
08 53 13 00-0371 EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	687.43	78.76
For Colored Vinyl, Add	52.99	
For Tinted Glass, Add	63.59	
For Low-E Insulated Glass, Add	132.48	
For Obscure Glass, Add	145.73	
08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373 EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	486.57	53.99
For Colored Vinyl, Add	37.86	
For Tinted Glass, Add	45.43	
For Low-E Insulated Glass, Add	94.65	
For Obscure Glass, Add	104.11	
08 53 13 00-0374 EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	561.88	60.35
For Colored Vinyl, Add	44.12	
For Tinted Glass, Add	52.94	
For Low-E Insulated Glass, Add	110.30	
For Obscure Glass, Add	121.33	
08 53 13 00-0375 EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	634.40	66.69
For Colored Vinyl, Add	50.10	
For Tinted Glass, Add	60.12	
For Low-E Insulated Glass, Add	125.25	
For Obscure Glass, Add	137.78	
08 53 13 00-0376 EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	704.11	73.04
For Colored Vinyl, Add	55.80	
For Tinted Glass, Add	66.96	
For Low-E Insulated Glass, Add	139.50	
For Obscure Glass, Add	153.45	
08 53 13 00-0377 EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	771.01	79.40
For Colored Vinyl, Add	61.22	
For Tinted Glass, Add	73.47	
For Low-E Insulated Glass, Add	153.06	
For Obscure Glass, Add	168.36	
08 53 13 00-0378 EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	808.09	85.75
For Colored Vinyl, Add	63.66	
For Tinted Glass, Add	76.39	
For Low-E Insulated Glass, Add	159.15	
For Obscure Glass, Add	175.06	
08 53 13 00-0379 UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	7.95	0.82
For Colored Vinyl, Add	0.63	
For Tinted Glass, Add	0.76	
For Low-E Insulated Glass, Add	1.58	
For Obscure Glass, Add	1.73	
08 53 13 00-0380 Horizontal Sliding Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0380)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0383 EA 36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	292.34	62.25
For Colored Vinyl, Add	16.91	
For Tinted Glass, Add	20.29	
For Low-E Insulated Glass, Add	42.28	
For Obscure Glass, Add	46.51	
08 53 13 00-0384 EA 48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	324.17	69.87
For Colored Vinyl, Add	18.57	
For Tinted Glass, Add	22.28	
For Low-E Insulated Glass, Add	46.43	
For Obscure Glass, Add	51.07	
08 53 13 00-0385 EA 54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	340.09	73.04
For Colored Vinyl, Add	19.40	
For Tinted Glass, Add	23.28	
For Low-E Insulated Glass, Add	48.50	
For Obscure Glass, Add	53.35	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	355.99	76.86
			<i>For Colored Vinyl, Add</i>	20.23	
			<i>For Tinted Glass, Add</i>	24.27	
			<i>For Low-E Insulated Glass, Add</i>	50.57	
			<i>For Obscure Glass, Add</i>	55.63	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	366.59	80.04
			<i>For Colored Vinyl, Add</i>	20.78	
			<i>For Tinted Glass, Add</i>	24.94	
			<i>For Low-E Insulated Glass, Add</i>	51.95	
			<i>For Obscure Glass, Add</i>	57.15	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	387.81	84.48
			<i>For Colored Vinyl, Add</i>	21.89	
			<i>For Tinted Glass, Add</i>	26.26	
			<i>For Low-E Insulated Glass, Add</i>	54.72	
			<i>For Obscure Glass, Add</i>	60.19	
08 53 13 00-0389			24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)		
			<small>(08 53 13 00-0381)</small>		
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	306.75	64.79
			<i>For Colored Vinyl, Add</i>	17.84	
			<i>For Tinted Glass, Add</i>	21.41	
			<i>For Low-E Insulated Glass, Add</i>	44.61	
			<i>For Obscure Glass, Add</i>	49.07	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	339.33	72.41
			<i>For Colored Vinyl, Add</i>	19.58	
			<i>For Tinted Glass, Add</i>	23.49	
			<i>For Low-E Insulated Glass, Add</i>	48.95	
			<i>For Obscure Glass, Add</i>	53.84	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	355.73	75.59
			<i>For Colored Vinyl, Add</i>	20.46	
			<i>For Tinted Glass, Add</i>	24.55	
			<i>For Low-E Insulated Glass, Add</i>	51.14	
			<i>For Obscure Glass, Add</i>	56.25	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	371.94	79.40
			<i>For Colored Vinyl, Add</i>	21.32	
			<i>For Tinted Glass, Add</i>	25.58	
			<i>For Low-E Insulated Glass, Add</i>	53.29	
			<i>For Obscure Glass, Add</i>	58.62	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	382.79	82.57
			<i>For Colored Vinyl, Add</i>	21.89	
			<i>For Tinted Glass, Add</i>	26.27	
			<i>For Low-E Insulated Glass, Add</i>	54.73	
			<i>For Obscure Glass, Add</i>	60.20	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	404.52	87.02
			<i>For Colored Vinyl, Add</i>	23.05	
			<i>For Tinted Glass, Add</i>	27.66	
			<i>For Low-E Insulated Glass, Add</i>	57.62	
			<i>For Obscure Glass, Add</i>	63.38	
08 53 13 00-0396			36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)		
			<small>(08 53 13 00-0381)</small>		
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	350.23	72.41
			<i>For Colored Vinyl, Add</i>	20.67	
			<i>For Tinted Glass, Add</i>	24.80	
			<i>For Low-E Insulated Glass, Add</i>	51.67	
			<i>For Obscure Glass, Add</i>	56.84	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	385.24	80.04
			<i>For Colored Vinyl, Add</i>	22.65	
			<i>For Tinted Glass, Add</i>	27.17	
			<i>For Low-E Insulated Glass, Add</i>	56.61	
			<i>For Obscure Glass, Add</i>	62.27	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	402.79	83.20
			<i>For Colored Vinyl, Add</i>	23.64	
			<i>For Tinted Glass, Add</i>	28.36	
			<i>For Low-E Insulated Glass, Add</i>	59.09	
			<i>For Obscure Glass, Add</i>	65.00	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	420.29	87.02
			<i>For Colored Vinyl, Add</i>	24.63	
			<i>For Tinted Glass, Add</i>	29.55	
			<i>For Low-E Insulated Glass, Add</i>	61.57	
			<i>For Obscure Glass, Add</i>	67.72	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	431.99	88.93
			<i>For Colored Vinyl, Add</i>	25.29	
			<i>For Tinted Glass, Add</i>	30.34	
			<i>For Low-E Insulated Glass, Add</i>	63.22	
			<i>For Obscure Glass, Add</i>	69.54	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	455.35	94.64
			<i>For Colored Vinyl, Add</i>	26.61	
			<i>For Tinted Glass, Add</i>	31.93	
			<i>For Low-E Insulated Glass, Add</i>	66.52	
			<i>For Obscure Glass, Add</i>	73.17	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0404 EA 36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	371.98	76.22
For Colored Vinyl, Add	22.08	
For Tinted Glass, Add	26.50	
For Low-E Insulated Glass, Add	55.20	
For Obscure Glass, Add	60.72	
08 53 13 00-0405 EA 48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	408.22	83.85
For Colored Vinyl, Add	24.18	
For Tinted Glass, Add	29.02	
For Low-E Insulated Glass, Add	60.45	
For Obscure Glass, Add	66.50	
08 53 13 00-0406 EA 54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	426.37	87.02
For Colored Vinyl, Add	25.23	
For Tinted Glass, Add	30.28	
For Low-E Insulated Glass, Add	63.09	
For Obscure Glass, Add	69.39	
08 53 13 00-0407 EA 60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	444.50	90.83
For Colored Vinyl, Add	26.28	
For Tinted Glass, Add	31.54	
For Low-E Insulated Glass, Add	65.71	
For Obscure Glass, Add	72.28	
08 53 13 00-0408 EA 64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	456.56	94.01
For Colored Vinyl, Add	26.98	
For Tinted Glass, Add	32.38	
For Low-E Insulated Glass, Add	67.46	
For Obscure Glass, Add	74.20	
08 53 13 00-0409 EA 72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	480.75	98.46
For Colored Vinyl, Add	28.39	
For Tinted Glass, Add	34.06	
For Low-E Insulated Glass, Add	70.96	
For Obscure Glass, Add	78.06	
08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411 EA 36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	379.21	77.49
For Colored Vinyl, Add	22.55	
For Tinted Glass, Add	27.06	
For Low-E Insulated Glass, Add	56.38	
For Obscure Glass, Add	62.01	
08 53 13 00-0412 EA 48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	415.88	85.12
For Colored Vinyl, Add	24.69	
For Tinted Glass, Add	29.63	
For Low-E Insulated Glass, Add	61.73	
For Obscure Glass, Add	67.91	
08 53 13 00-0413 EA 54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	434.21	88.29
For Colored Vinyl, Add	25.76	
For Tinted Glass, Add	30.92	
For Low-E Insulated Glass, Add	64.41	
For Obscure Glass, Add	70.85	
08 53 13 00-0414 EA 60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	452.57	92.10
For Colored Vinyl, Add	26.84	
For Tinted Glass, Add	32.20	
For Low-E Insulated Glass, Add	67.09	
For Obscure Glass, Add	73.80	
08 53 13 00-0415 EA 64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	464.79	95.28
For Colored Vinyl, Add	27.55	
For Tinted Glass, Add	33.06	
For Low-E Insulated Glass, Add	68.88	
For Obscure Glass, Add	75.76	
08 53 13 00-0416 EA 72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	489.21	99.72
For Colored Vinyl, Add	28.98	
For Tinted Glass, Add	34.77	
For Low-E Insulated Glass, Add	72.44	
For Obscure Glass, Add	79.68	
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0418 EA 36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	386.47	78.76
For Colored Vinyl, Add	23.02	
For Tinted Glass, Add	27.63	
For Low-E Insulated Glass, Add	57.55	
For Obscure Glass, Add	63.31	
08 53 13 00-0419 EA 48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	423.53	86.38
For Colored Vinyl, Add	25.20	
For Tinted Glass, Add	30.24	
For Low-E Insulated Glass, Add	63.01	
For Obscure Glass, Add	69.31	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0420 EA 54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	442.07	89.56
For Colored Vinyl, Add	26.30	
For Tinted Glass, Add	31.55	
For Low-E Insulated Glass, Add	65.74	
For Obscure Glass, Add	72.31	
08 53 13 00-0421 EA 60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	460.59	93.38
For Colored Vinyl, Add	27.39	
For Tinted Glass, Add	32.86	
For Low-E Insulated Glass, Add	68.46	
For Obscure Glass, Add	75.31	
08 53 13 00-0422 EA 64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	472.95	96.55
For Colored Vinyl, Add	28.11	
For Tinted Glass, Add	33.74	
For Low-E Insulated Glass, Add	70.28	
For Obscure Glass, Add	77.31	
08 53 13 00-0423 EA 72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	497.68	100.99
For Colored Vinyl, Add	29.57	
For Tinted Glass, Add	35.48	
For Low-E Insulated Glass, Add	73.93	
For Obscure Glass, Add	81.32	
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0425 EA 36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	393.70	80.04
For Colored Vinyl, Add	23.49	
For Tinted Glass, Add	28.19	
For Low-E Insulated Glass, Add	58.73	
For Obscure Glass, Add	64.60	
08 53 13 00-0426 EA 48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	431.19	87.65
For Colored Vinyl, Add	25.72	
For Tinted Glass, Add	30.86	
For Low-E Insulated Glass, Add	64.29	
For Obscure Glass, Add	70.72	
08 53 13 00-0427 EA 54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	449.94	90.83
For Colored Vinyl, Add	26.83	
For Tinted Glass, Add	32.19	
For Low-E Insulated Glass, Add	67.07	
For Obscure Glass, Add	73.78	
08 53 13 00-0428 EA 60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	468.66	94.64
For Colored Vinyl, Add	27.94	
For Tinted Glass, Add	33.52	
For Low-E Insulated Glass, Add	69.84	
For Obscure Glass, Add	76.83	
08 53 13 00-0429 EA 64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	481.16	97.81
For Colored Vinyl, Add	28.68	
For Tinted Glass, Add	34.41	
For Low-E Insulated Glass, Add	71.70	
For Obscure Glass, Add	78.87	
08 53 13 00-0430 EA 72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	506.17	102.26
For Colored Vinyl, Add	30.16	
For Tinted Glass, Add	36.20	
For Low-E Insulated Glass, Add	75.41	
For Obscure Glass, Add	82.95	
08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0432 EA 36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	400.96	81.30
For Colored Vinyl, Add	23.96	
For Tinted Glass, Add	28.75	
For Low-E Insulated Glass, Add	59.91	
For Obscure Glass, Add	65.90	
08 53 13 00-0433 EA 48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	438.83	88.93
For Colored Vinyl, Add	26.23	
For Tinted Glass, Add	31.47	
For Low-E Insulated Glass, Add	65.56	
For Obscure Glass, Add	72.12	
08 53 13 00-0434 EA 54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	457.78	92.10
For Colored Vinyl, Add	27.36	
For Tinted Glass, Add	32.83	
For Low-E Insulated Glass, Add	68.39	
For Obscure Glass, Add	75.23	
08 53 13 00-0435 EA 60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	476.71	95.91
For Colored Vinyl, Add	28.49	
For Tinted Glass, Add	34.19	
For Low-E Insulated Glass, Add	71.22	
For Obscure Glass, Add	78.34	
08 53 13 00-0436 EA 64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	489.35	99.09
For Colored Vinyl, Add	29.25	
For Tinted Glass, Add	35.09	
For Low-E Insulated Glass, Add	73.11	
For Obscure Glass, Add	80.42	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0437 EA 72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	514.62	103.54
For Colored Vinyl, Add	30.76	
For Tinted Glass, Add	36.91	
For Low-E Insulated Glass, Add	76.89	
For Obscure Glass, Add	84.58	
08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439 EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	408.20	82.57
For Colored Vinyl, Add	24.43	
For Tinted Glass, Add	29.32	
For Low-E Insulated Glass, Add	61.08	
For Obscure Glass, Add	67.19	
08 53 13 00-0440 EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	446.50	90.20
For Colored Vinyl, Add	26.74	
For Tinted Glass, Add	32.09	
For Low-E Insulated Glass, Add	66.85	
For Obscure Glass, Add	73.53	
08 53 13 00-0441 EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	465.63	93.38
For Colored Vinyl, Add	27.89	
For Tinted Glass, Add	33.47	
For Low-E Insulated Glass, Add	69.72	
For Obscure Glass, Add	76.69	
08 53 13 00-0442 EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	484.80	97.18
For Colored Vinyl, Add	29.04	
For Tinted Glass, Add	34.85	
For Low-E Insulated Glass, Add	72.61	
For Obscure Glass, Add	79.87	
08 53 13 00-0443 EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	497.56	100.36
For Colored Vinyl, Add	29.81	
For Tinted Glass, Add	35.77	
For Low-E Insulated Glass, Add	74.53	
For Obscure Glass, Add	81.98	
08 53 13 00-0444 EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	523.10	104.81
For Colored Vinyl, Add	31.35	
For Tinted Glass, Add	37.62	
For Low-E Insulated Glass, Add	78.37	
For Obscure Glass, Add	86.21	
08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446 EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	415.45	83.85
For Colored Vinyl, Add	24.90	
For Tinted Glass, Add	29.88	
For Low-E Insulated Glass, Add	62.26	
For Obscure Glass, Add	68.48	
08 53 13 00-0447 EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	454.14	91.46
For Colored Vinyl, Add	27.25	
For Tinted Glass, Add	32.70	
For Low-E Insulated Glass, Add	68.12	
For Obscure Glass, Add	74.93	
08 53 13 00-0448 EA 54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	473.51	94.64
For Colored Vinyl, Add	28.42	
For Tinted Glass, Add	34.11	
For Low-E Insulated Glass, Add	71.06	
For Obscure Glass, Add	78.16	
08 53 13 00-0449 EA 60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	492.85	98.46
For Colored Vinyl, Add	29.60	
For Tinted Glass, Add	35.51	
For Low-E Insulated Glass, Add	73.99	
For Obscure Glass, Add	81.39	
08 53 13 00-0450 EA 64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	505.75	101.63
For Colored Vinyl, Add	30.38	
For Tinted Glass, Add	36.45	
For Low-E Insulated Glass, Add	75.94	
For Obscure Glass, Add	83.54	
08 53 13 00-0451 EA 72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	531.55	106.07
For Colored Vinyl, Add	31.94	
For Tinted Glass, Add	38.33	
For Low-E Insulated Glass, Add	79.85	
For Obscure Glass, Add	87.84	
08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453 EA 36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	449.59	87.65
For Colored Vinyl, Add	27.56	
For Tinted Glass, Add	33.07	
For Low-E Insulated Glass, Add	68.89	
For Obscure Glass, Add	75.78	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0454 EA 48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	477.12	95.28
For Colored Vinyl, Add	28.78	
For Tinted Glass, Add	34.54	
For Low-E Insulated Glass, Add	71.96	
For Obscure Glass, Add	79.15	
08 53 13 00-0455 EA 54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	497.08	98.46
For Colored Vinyl, Add	30.02	
For Tinted Glass, Add	36.02	
For Low-E Insulated Glass, Add	75.05	
For Obscure Glass, Add	82.55	
08 53 13 00-0456 EA 60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	517.04	102.26
For Colored Vinyl, Add	31.25	
For Tinted Glass, Add	37.50	
For Low-E Insulated Glass, Add	78.13	
For Obscure Glass, Add	85.94	
08 53 13 00-0457 EA 64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	530.35	105.44
For Colored Vinyl, Add	32.07	
For Tinted Glass, Add	38.49	
For Low-E Insulated Glass, Add	80.19	
For Obscure Glass, Add	88.20	
08 53 13 00-0458 EA 72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	556.96	109.89
For Colored Vinyl, Add	33.72	
For Tinted Glass, Add	40.46	
For Low-E Insulated Glass, Add	84.30	
For Obscure Glass, Add	92.73	
08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) <small>(08 53 13 00-0380)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460 EA Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	450.35	66.69
For Colored Vinyl, Add	31.70	
For Tinted Glass, Add	38.04	
For Low-E Insulated Glass, Add	79.24	
For Obscure Glass, Add	87.16	
08 53 13 00-0461 EA >73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	494.86	73.04
For Colored Vinyl, Add	34.88	
For Tinted Glass, Add	41.85	
For Low-E Insulated Glass, Add	87.19	
For Obscure Glass, Add	95.91	
08 53 13 00-0462 EA >83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	536.54	79.40
For Colored Vinyl, Add	37.78	
For Tinted Glass, Add	45.33	
For Low-E Insulated Glass, Add	94.44	
For Obscure Glass, Add	103.88	
08 53 13 00-0463 EA >93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	567.60	85.75
For Colored Vinyl, Add	39.61	
For Tinted Glass, Add	47.53	
For Low-E Insulated Glass, Add	99.03	
For Obscure Glass, Add	108.93	
08 53 13 00-0464 EA >101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	600.20	92.10
For Colored Vinyl, Add	41.60	
For Tinted Glass, Add	49.92	
For Low-E Insulated Glass, Add	104.00	
For Obscure Glass, Add	114.40	
08 53 13 00-0465 EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	650.70	98.46
For Colored Vinyl, Add	45.38	
For Tinted Glass, Add	54.46	
For Low-E Insulated Glass, Add	113.45	
For Obscure Glass, Add	124.80	
08 53 13 00-0466 UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	5.43	0.82
For Colored Vinyl, Add	0.38	
For Tinted Glass, Add	0.45	
For Low-E Insulated Glass, Add	0.95	
For Obscure Glass, Add	1.04	
08 53 13 00-0467 Basement Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) <small>(08 53 13 00-0467)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	269.71	50.82
For Colored Vinyl, Add	16.81	
For Tinted Glass, Add	20.17	
For Low-E Insulated Glass, Add	42.02	
For Obscure Glass, Add	46.22	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	289.31	50.82
For Colored Vinyl, Add	18.77	
For Tinted Glass, Add	22.52	
For Low-E Insulated Glass, Add	46.92	
For Obscure Glass, Add	51.61	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	300.52	50.82
For Colored Vinyl, Add	19.89	
For Tinted Glass, Add	23.87	
For Low-E Insulated Glass, Add	49.72	
For Obscure Glass, Add	54.69	
08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	337.20	49.54
For Colored Vinyl, Add	23.81	
For Tinted Glass, Add	28.57	
For Low-E Insulated Glass, Add	59.53	
For Obscure Glass, Add	65.48	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window.....	376.25	57.17
For Colored Vinyl, Add	26.19	
For Tinted Glass, Add	31.43	
For Low-E Insulated Glass, Add	65.48	
For Obscure Glass, Add	72.03	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window.....	6.41	0.82
For Colored Vinyl, Add	0.48	
For Tinted Glass, Add	0.57	
For Low-E Insulated Glass, Add	1.19	
For Obscure Glass, Add	1.31	
08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	39.22	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	50.42	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	64.94	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	76.65	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	94.22	
08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	89.13	
08 53 13 00-0486 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	106.96	
08 53 13 00-0487 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	134.97	
08 53 13 00-0488 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	168.08	
08 53 13 00-0489 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	201.18	
08 53 66 Vinyl Window Screens (08 53)		
08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002 EA Up To 6 SF, Insect Screen For Vinyl Windows.....	42.34	8.44
08 53 66 00-0003 EA >6 To 9 SF, Insect Screen For Vinyl Windows.....	57.62	8.44
08 53 66 00-0004 EA >9 To 12 SF, Insect Screen For Vinyl Windows.....	62.71	8.44
08 53 66 00-0005 EA >12 To 15 SF, Insect Screen For Vinyl Windows.....	72.90	8.44
08 53 66 00-0006 EA >15 To 20 SF, Insect Screen For Vinyl Windows.....	95.81	8.44
08 53 66 00-0007 EA >20 To 25 SF, Insect Screen For Vinyl Windows.....	106.00	8.44
08 53 66 00-0008 EA >25 To 30 SF, Insect Screen For Vinyl Windows.....	121.28	8.44
08 53 66 00-0009 EA >30 To 35 SF, Insect Screen For Vinyl Windows.....	131.47	8.44
08 53 66 00-0010 SF >35 SF, Insect Screen For Vinyl Windows.....	3.99	0.17
08 56 Special Function Windows (08 56)		
08 56 19 Pass Windows (08 56)		
08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)		
Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002 EA 24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	5,826.82	676.84
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003 EA 30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	6,448.57	733.24
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004 EA 36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	6,768.97	789.65
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	8,505.23	902.46
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	<i>100.00</i>	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	<i>650.00</i>	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	11,377.61	1,353.68
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	<i>150.00</i>	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	<i>975.00</i>	
08 56 49 Radiation Shielding Windows (08 56)					
08 56 49 00-0001			Lead Lined Window Frames (08 56 49)		
08 56 49 00-0002	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame.....	52.90	9.53
08 56 49 00-0003	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame.....	59.58	9.53
08 56 56 Security Window Screens (08 56)					
Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.					
08 56 56 00-0001			Wire Mesh Security Screen (08 56 56)		
08 56 56 00-0002			Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)		
08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	23.47	5.08
			<i>For Painted Steel, Add</i>	<i>1.67</i>	
			<i>For Galvanized Steel, Add</i>	<i>3.34</i>	
			<i>For Aluminum, Add</i>	<i>6.68</i>	
			<i>For Stainless Steel, Add</i>	<i>29.23</i>	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	23.94	5.08
			<i>For Painted Steel, Add</i>	<i>1.72</i>	
			<i>For Galvanized Steel, Add</i>	<i>3.43</i>	
			<i>For Aluminum, Add</i>	<i>6.87</i>	
			<i>For Stainless Steel, Add</i>	<i>30.05</i>	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	26.15	5.08
			<i>For Painted Steel, Add</i>	<i>1.94</i>	
			<i>For Galvanized Steel, Add</i>	<i>3.88</i>	
			<i>For Aluminum, Add</i>	<i>7.75</i>	
			<i>For Stainless Steel, Add</i>	<i>33.92</i>	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	30.86	5.08
			<i>For Painted Steel, Add</i>	<i>2.41</i>	
			<i>For Galvanized Steel, Add</i>	<i>4.82</i>	
			<i>For Aluminum, Add</i>	<i>9.64</i>	
			<i>For Stainless Steel, Add</i>	<i>42.16</i>	
08 56 56 00-0007			Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)		
08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	32.80	6.20
			<i>For Painted Steel, Add</i>	<i>2.38</i>	
			<i>For Galvanized Steel, Add</i>	<i>4.76</i>	
			<i>For Aluminum, Add</i>	<i>9.51</i>	
			<i>For Stainless Steel, Add</i>	<i>41.62</i>	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	33.53	6.20
			<i>For Painted Steel, Add</i>	<i>2.45</i>	
			<i>For Galvanized Steel, Add</i>	<i>4.90</i>	
			<i>For Aluminum, Add</i>	<i>9.80</i>	
			<i>For Stainless Steel, Add</i>	<i>42.89</i>	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	36.69	6.20
			<i>For Painted Steel, Add</i>	<i>2.77</i>	
			<i>For Galvanized Steel, Add</i>	<i>5.53</i>	
			<i>For Aluminum, Add</i>	<i>11.07</i>	
			<i>For Stainless Steel, Add</i>	<i>48.42</i>	
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	43.29	6.20
			<i>For Painted Steel, Add</i>	<i>3.43</i>	
			<i>For Galvanized Steel, Add</i>	<i>6.85</i>	
			<i>For Aluminum, Add</i>	<i>13.71</i>	
			<i>For Stainless Steel, Add</i>	<i>59.97</i>	
08 56 56 00-0012			Wire Cloth Security Screen (08 56 56)		
Note: Wire cloth has from 10 to 12 strands per 1".					
08 56 56 00-0013			Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	15.60	3.38
			<i>For Painted Steel, Add</i>	<i>0.50</i>	
			<i>For Galvanized Steel, Add</i>	<i>1.49</i>	
			<i>For Aluminum, Add</i>	<i>2.99</i>	
			<i>For Stainless Steel, Add</i>	<i>12.45</i>	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	16.27	3.38
			<i>For Painted Steel, Add</i>	<i>0.53</i>	
			<i>For Galvanized Steel, Add</i>	<i>1.59</i>	
			<i>For Aluminum, Add</i>	<i>3.19</i>	
			<i>For Stainless Steel, Add</i>	<i>13.29</i>	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	17.32	3.38
			<i>For Painted Steel, Add</i>	<i>0.58</i>	
			<i>For Galvanized Steel, Add</i>	<i>1.75</i>	
			<i>For Aluminum, Add</i>	<i>3.50</i>	
			<i>For Stainless Steel, Add</i>	<i>14.60</i>	

08	08	Openings
	08 50	Windows
	08 56	Special Function Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0017 SF 18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	19.33	3.38
<i>For Painted Steel, Add</i>	0.68	
<i>For Galvanized Steel, Add</i>	2.05	
<i>For Aluminum, Add</i>	4.11	
<i>For Stainless Steel, Add</i>	17.11	
08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens <small>(08 56 56 00-0012)</small>		
08 56 56 00-0019 SF 24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	20.96	4.51
<i>For Painted Steel, Add</i>	0.71	
<i>For Galvanized Steel, Add</i>	2.13	
<i>For Aluminum, Add</i>	4.26	
<i>For Stainless Steel, Add</i>	17.74	
08 56 56 00-0020 SF 22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	21.99	4.51
<i>For Painted Steel, Add</i>	0.76	
<i>For Galvanized Steel, Add</i>	2.28	
<i>For Aluminum, Add</i>	4.57	
<i>For Stainless Steel, Add</i>	19.03	
08 56 56 00-0021 SF 20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	23.43	4.51
<i>For Painted Steel, Add</i>	0.83	
<i>For Galvanized Steel, Add</i>	2.50	
<i>For Aluminum, Add</i>	5.00	
<i>For Stainless Steel, Add</i>	20.83	
08 56 56 00-0022 SF 18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	26.30	4.51
<i>For Painted Steel, Add</i>	0.98	
<i>For Galvanized Steel, Add</i>	2.93	
<i>For Aluminum, Add</i>	5.86	
<i>For Stainless Steel, Add</i>	24.41	
08 56 56 00-0023 Expanded Metal Security Screen <small>(08 56 56)</small>		
Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025 SF 1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen.....	29.58	8.46
<i>For Painted Steel, Add</i>	0.97	
<i>For Galvanized Steel, Add</i>	2.91	
<i>For Aluminum, Add</i>	5.83	
<i>For Stainless Steel, Add</i>	24.29	
08 56 56 00-0026 SF 1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	34.62	10.15
<i>For Painted Steel, Add</i>	1.11	
<i>For Galvanized Steel, Add</i>	3.33	
<i>For Aluminum, Add</i>	6.66	
<i>For Stainless Steel, Add</i>	27.76	
08 56 56 00-0027 SF 3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	38.88	12.41
<i>For Painted Steel, Add</i>	1.21	
<i>For Galvanized Steel, Add</i>	3.63	
<i>For Aluminum, Add</i>	7.27	
<i>For Stainless Steel, Add</i>	30.28	
08 56 56 00-0028 SF 3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	45.72	14.66
<i>For Painted Steel, Add</i>	1.38	
<i>For Galvanized Steel, Add</i>	4.15	
<i>For Aluminum, Add</i>	8.30	
<i>For Stainless Steel, Add</i>	34.59	
08 56 56 00-0029 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	42.58	14.10
<i>For Painted Steel, Add</i>	1.28	
<i>For Galvanized Steel, Add</i>	3.85	
<i>For Aluminum, Add</i>	7.70	
<i>For Stainless Steel, Add</i>	32.08	
08 56 56 00-0030 SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	53.69	18.05
<i>For Painted Steel, Add</i>	1.61	
<i>For Galvanized Steel, Add</i>	4.84	
<i>For Aluminum, Add</i>	9.68	
<i>For Stainless Steel, Add</i>	40.33	
08 56 56 00-0031 Expanded Metal, Operable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0032 SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	36.80	10.15
<i>For Painted Steel, Add</i>	1.22	
<i>For Galvanized Steel, Add</i>	3.66	
<i>For Aluminum, Add</i>	7.32	
<i>For Stainless Steel, Add</i>	30.49	
08 56 56 00-0033 SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	46.35	12.41
<i>For Painted Steel, Add</i>	1.58	
<i>For Galvanized Steel, Add</i>	4.75	
<i>For Aluminum, Add</i>	9.51	
<i>For Stainless Steel, Add</i>	39.61	
08 56 56 00-0034 SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	51.48	14.10
<i>For Painted Steel, Add</i>	1.73	
<i>For Galvanized Steel, Add</i>	5.18	
<i>For Aluminum, Add</i>	10.37	
<i>For Stainless Steel, Add</i>	43.20	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0035 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	55.75	15.79
For Painted Steel, Add	1.83	
For Galvanized Steel, Add	5.49	
For Aluminum, Add	10.97	
For Stainless Steel, Add	45.71	
08 56 56 00-0036 SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	60.85	18.05
For Painted Steel, Add	1.97	
For Galvanized Steel, Add	5.91	
For Aluminum, Add	11.63	
For Stainless Steel, Add	49.28	
08 56 56 00-0037 SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	69.64	19.74
For Painted Steel, Add	2.30	
For Galvanized Steel, Add	6.89	
For Aluminum, Add	13.79	
For Stainless Steel, Add	57.44	
08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)		
08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	26.11	5.08
For Painted Steel, Add	0.97	
For Galvanized Steel, Add	2.90	
For Aluminum, Add	5.80	
For Stainless Steel, Add	19.34	
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	26.87	5.08
For Painted Steel, Add	1.01	
For Galvanized Steel, Add	3.02	
For Aluminum, Add	6.03	
For Stainless Steel, Add	20.10	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	29.46	5.08
For Painted Steel, Add	1.13	
For Galvanized Steel, Add	3.40	
For Aluminum, Add	6.81	
For Stainless Steel, Add	22.69	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	34.34	5.08
For Painted Steel, Add	1.38	
For Galvanized Steel, Add	4.14	
For Aluminum, Add	8.27	
For Stainless Steel, Add	27.57	
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	36.50	6.20
For Painted Steel, Add	1.37	
For Galvanized Steel, Add	4.12	
For Aluminum, Add	8.24	
For Stainless Steel, Add	27.48	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	37.84	6.20
For Painted Steel, Add	1.44	
For Galvanized Steel, Add	4.32	
For Aluminum, Add	8.65	
For Stainless Steel, Add	28.82	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	41.19	6.20
For Painted Steel, Add	1.61	
For Galvanized Steel, Add	4.83	
For Aluminum, Add	9.65	
For Stainless Steel, Add	32.17	
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	48.18	6.20
For Painted Steel, Add	1.96	
For Galvanized Steel, Add	5.87	
For Aluminum, Add	11.75	
For Stainless Steel, Add	39.16	
08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards (08 56 56)		
08 56 56 00-0050 SF Removal And Reinstallation Of Security Screens.....	14.20	

08 60 Roof Windows and Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)

08 62 23 Tubular Skylights (08 62)

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,322.95	201.70
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,021.75	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,397.03	206.74
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,022.76	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,468.99	211.79
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,023.77	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,570.81	216.83
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,024.78	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,659.84	221.87
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,025.78	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,731.80	226.91
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,026.79	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,803.75	231.95
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,027.80	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,922.65	237.00
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,028.81	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,994.60	242.04
		<i>For Class 3 Hail Rated, Add</i>		4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>		7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>		14.00	
		<i>For FM Approved, Add</i>		20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>		69.00	
		<i>For Single Blade Louver, Add</i>		1,029.82	



Openings	08
Roof Windows and Skylights	08 60
Unit Skylights	08 62

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0012	EA		11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,068.69	247.08
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,030.83	
08 62 23 00-0013	EA		12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,140.64	252.13
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,031.84	
08 62 23 00-0014	EA		13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,259.54	257.17
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,032.84	
08 62 23 00-0015	EA		14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,331.49	262.21
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,033.85	
08 62 23 00-0016	EA		15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,403.46	267.26
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,034.86	
08 62 23 00-0017	EA		16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,475.41	272.29
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,035.87	
08 62 23 00-0018			31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,610.97	201.70
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,021.75	
08 62 23 00-0020	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,712.79	206.74
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,022.76	
08 62 23 00-0021	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,814.61	211.79
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,023.77	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0022	EA 5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,916.43	216.83
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,024.78	
08 62 23 00-0023	EA 6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,082.27	221.87
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,025.78	
08 62 23 00-0024	EA 7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,184.10	226.91
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,026.79	
08 62 23 00-0025	EA 8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,285.92	231.95
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,027.80	
08 62 23 00-0026	EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,451.75	237.00
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,028.81	
08 62 23 00-0027	EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,553.58	242.04
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,029.82	
08 62 23 00-0028	EA 11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,655.41	247.08
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,030.83	
08 62 23 00-0029	EA 12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,757.23	252.13
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,031.84	
08 62 23 00-0030	EA 13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,923.06	257.17
	For Class 3 Hail Rated, Add	5.00	
	For Polycarbonate Diffuser Lens, Add	8.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	22.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
	For Single Blade Louver, Add	1,032.84	



Openings	08	08
Roof Windows and Skylights	08 60	
Unit Skylights	08 62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,024.88	262.21
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,033.85	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,126.71	267.26
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,034.86	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,228.53	272.29
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,035.87	
08 62 23 00-0034			55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,158.50	226.91
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,026.79	
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,300.85	231.95
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,027.80	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,445.35	237.00
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,028.81	
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,587.71	242.04
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,029.82	
08 62 23 00-0039	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,815.42	247.08
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,030.83	
08 62 23 00-0040	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,957.77	252.13
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,031.84	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0041	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,100.14	257.17
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,032.84	
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,329.97	262.21
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,033.85	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,472.34	267.26
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,034.86	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,614.70	272.29
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,035.87	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,757.06	277.34
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,036.88	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,984.76	282.38
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,037.89	
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,127.13	287.42
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,038.90	
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,271.62	292.47
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,039.90	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,413.98	297.51
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,040.91	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)



Openings	08	08
Roof Windows and Skylights	08 60	
Metal-Framed Skylights	08 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 63 13 00-0001		Domed Aluminum Framed Skylights (08 63 13)		
08 63 13 00-0002		Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)		
08 63 13 00-0003		Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)		
08 63 13 00-0004		Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	729.14	136.15
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	862.16	146.23
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,122.30	161.36
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,252.68	171.45
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	899.73	146.23
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,097.96	161.36
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,186.47	171.45
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,330.60	181.53
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,524.54	196.66
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,118.63	171.45
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,202.36	176.49
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,333.75	181.53
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,433.37	186.57
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,574.34	201.70
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,744.96	211.79
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,301.98	181.53
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,409.03	191.62
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,566.91	196.66
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,655.93	206.74
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,879.50	216.83
08 63 13 00-0025		Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	861.55	136.15
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	991.92	146.23
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,225.58	161.36
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,358.60	171.45
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	995.07	146.23
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,172.11	161.36
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,265.92	171.45
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,420.64	181.53
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,577.50	196.66
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,192.78	171.45
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,287.10	176.49
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,378.77	181.53
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,483.69	186.57
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,600.82	201.70

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0040 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,774.09	211.79
08 63 13 00-0041 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,389.37	181.53
08 63 13 00-0042 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,504.37	191.62
08 63 13 00-0043 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,622.52	196.66
08 63 13 00-0044 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,716.84	206.74
08 63 13 00-0045 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,919.22	216.83
08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights ^(08 63 13 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0047 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	872.14	136.15
08 63 13 00-0048 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,013.10	146.23
08 63 13 00-0049 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,254.71	161.36
08 63 13 00-0050 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,021.55	146.23
08 63 13 00-0051 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,209.18	161.36
08 63 13 00-0052 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,295.05	171.45
08 63 13 00-0053 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,452.42	181.53
08 63 13 00-0054 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,216.62	171.45
08 63 13 00-0055 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,308.29	176.49
08 63 13 00-0056 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,413.20	181.53
08 63 13 00-0057 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,518.11	186.57
08 63 13 00-0058 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,643.19	201.70
08 63 13 00-0059 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,421.14	181.53
08 63 13 00-0060 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,546.74	191.62
08 63 13 00-0061 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,664.89	196.66
08 63 13 00-0062 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,759.21	206.74
08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights ^(08 63 13 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0064 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	890.68	136.15
08 63 13 00-0065 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,042.23	146.23
08 63 13 00-0066 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,281.19	161.36
08 63 13 00-0067 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,453.94	171.45
08 63 13 00-0068 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,048.03	146.23
08 63 13 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,233.02	161.36
08 63 13 00-0070 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,321.53	171.45
08 63 13 00-0071 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,492.14	181.53
08 63 13 00-0072 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,245.75	171.45
08 63 13 00-0073 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,337.42	176.49
08 63 13 00-0074 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,450.27	181.53
08 63 13 00-0075 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,557.84	186.57
08 63 13 00-0076 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,685.57	201.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0077 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,460.87	181.53
08 63 13 00-0078 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,586.46	191.62
08 63 13 00-0079 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,707.26	196.66
08 63 13 00-0080 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,806.88	206.74
08 63 13 00-0081 Curb Top Inserts <small>(08 63 13 00-0003)</small>		
Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	278.51	65.55
08 63 13 00-0084 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	365.59	75.63
08 63 13 00-0085 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	584.17	100.85
08 63 13 00-0086 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	539.76	90.76
08 63 13 00-0087 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	643.91	100.85
08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	365.98	65.55
08 63 13 00-0090 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	534.13	75.63
08 63 13 00-0091 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	889.26	100.85
08 63 13 00-0092 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	864.05	90.76
08 63 13 00-0093 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	1,066.34	100.85
08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	451.32	65.55
08 63 13 00-0096 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	694.15	75.63
08 63 13 00-0097 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,264.76	100.85
08 63 13 00-0098 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,167.01	90.76
08 63 13 00-0099 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,458.91	100.85
08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	681.47	136.15
08 63 13 00-0103 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	825.58	146.23
08 63 13 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,044.48	171.45
08 63 13 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,272.85	181.53
08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	888.03	136.15
08 63 13 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,037.44	146.23
08 63 13 00-0109 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,237.80	171.45
08 63 13 00-0110 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,450.27	181.53
08 63 13 00-0111 Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0112 Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	779.45	136.15
08 63 13 00-0114 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,042.85	161.36
08 63 13 00-0115 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,210.30	171.45

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	997.33	161.36
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,083.19	171.45
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,272.34	181.53
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,468.93	196.66
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,130.86	176.49
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,230.47	181.53
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,338.03	186.57
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,457.82	201.70
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,686.70	211.79
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,379.90	191.62
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,527.19	196.66
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,629.45	206.74
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,850.37	216.83
08 63 13 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	869.49	136.15
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,005.16	146.23
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,238.82	161.36
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,013.61	146.23
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,112.72	156.32
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,193.29	161.36
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,279.16	171.45
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,439.18	181.53
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,206.02	176.49
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,297.69	176.49
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,397.31	181.53
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,499.57	186.57
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,622.01	201.70
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,402.61	181.53
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,528.20	191.62
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,643.71	196.66
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,735.38	206.74
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	997.21	146.23
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,273.24	161.36
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,222.43	161.36
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,313.58	171.45
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,481.55	181.53



Openings	08	08
Roof Windows and Skylights	08 60	
Metal-Framed Skylights	08 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0153 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,329.47	176.49
08 63 13 00-0154 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,437.03	181.53
08 63 13 00-0155 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,547.24	186.57
08 63 13 00-0156 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,664.38	201.70
08 63 13 00-0157 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,575.87	191.62
08 63 13 00-0158 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,696.67	196.66
08 63 13 00-0159 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,793.64	206.74
08 63 13 00-0160 Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0001)		
08 63 13 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0163 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0164 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	3,698.20	201.70
08 63 13 00-0165 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	3,437.04	191.62
08 63 13 00-0166 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	3,875.63	201.70
08 63 13 00-0167 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0168 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,754.83	201.70
08 63 13 00-0169 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,504.27	191.62
08 63 13 00-0170 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,995.82	201.70
08 63 13 00-0171 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0172 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,059.37	201.70
08 63 13 00-0173 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,803.51	191.62
08 63 13 00-0174 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,295.06	201.70
08 63 13 00-0175 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	3,714.09	201.70
08 63 13 00-0178 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	3,452.93	191.62
08 63 13 00-0179 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	3,899.46	201.70
08 63 13 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,776.02	201.70
08 63 13 00-0182 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,520.16	191.62
08 63 13 00-0183 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,022.30	201.70

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63	13 00-0184		30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>		
08 63	13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,075.26	201.70
08 63	13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,819.40	191.62
08 63	13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,321.54	201.70
08 66	Wood-Framed Skylights <small>(08 60)</small>				
08 66	00 00-0001		Wood-Framed Skylights (Andersen 400 Series) <small>(08 66)</small>		
08 66	00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	652.96	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	83.85	
			<i>For Aluminum Shingle Flashing, Add</i>	67.08	
08 66	00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	666.65	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	87.27	
			<i>For Aluminum Shingle Flashing, Add</i>	69.81	
08 66	00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	634.14	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	79.14	
			<i>For Aluminum Shingle Flashing, Add</i>	63.31	
08 66	00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	676.92	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	89.84	
			<i>For Aluminum Shingle Flashing, Add</i>	71.87	
08 66	00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	712.86	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	98.82	
			<i>For Aluminum Shingle Flashing, Add</i>	79.06	
08 66	00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	771.03	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	113.36	
			<i>For Aluminum Shingle Flashing, Add</i>	90.69	
08 66	00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	844.61	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	131.76	
			<i>For Aluminum Shingle Flashing, Add</i>	105.41	
08 66	00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	634.14	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	79.14	
			<i>For Aluminum Shingle Flashing, Add</i>	63.31	
08 66	00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	721.41	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	100.96	
			<i>For Aluminum Shingle Flashing, Add</i>	80.77	
08 66	00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	771.03	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	113.36	
			<i>For Aluminum Shingle Flashing, Add</i>	90.69	
08 66	00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	827.50	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	127.48	
			<i>For Aluminum Shingle Flashing, Add</i>	101.98	
08 66	00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	902.79	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	146.30	
			<i>For Aluminum Shingle Flashing, Add</i>	117.04	
08 66	00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	652.96	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	83.85	
			<i>For Aluminum Shingle Flashing, Add</i>	67.08	
08 66	00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	676.92	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	89.84	
			<i>For Aluminum Shingle Flashing, Add</i>	71.87	
08 66	00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	721.41	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	100.96	
			<i>For Aluminum Shingle Flashing, Add</i>	80.77	
08 66	00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	878.84	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	140.32	
			<i>For Aluminum Shingle Flashing, Add</i>	112.25	
08 66	00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	666.65	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	87.27	
			<i>For Aluminum Shingle Flashing, Add</i>	69.81	
08 66	00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	712.86	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	98.82	
			<i>For Aluminum Shingle Flashing, Add</i>	79.06	
08 66	00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	771.03	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	113.36	
			<i>For Aluminum Shingle Flashing, Add</i>	90.69	
08 66	00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	878.84	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	140.32	
			<i>For Aluminum Shingle Flashing, Add</i>	112.25	
08 66	00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	771.03	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	113.36	
			<i>For Aluminum Shingle Flashing, Add</i>	90.69	
08 66	00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	827.50	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	127.48	
			<i>For Aluminum Shingle Flashing, Add</i>	101.98	
08 66	00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	844.61	158.79
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	131.76	
			<i>For Aluminum Shingle Flashing, Add</i>	105.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....		902.79	158.79
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		146.30	
		<i>For Aluminum Shingle Flashing, Add</i>		117.04	

08 70 Hardware (08)

08 71 Door Hardware (08 70)

08 71 11 Door Hardware (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	Hinges	<small>(08 71 11)</small>	Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.		
08 71 11 00-0002	Brass/Bronze, Satin Chrome Finish Hinges	<small>(08 71 11 00-0001)</small>	Note: US26D (BHMA 626) satin chrome finish.		
08 71 11 00-0003	Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges	<small>(08 71 11 00-0002)</small>	Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0004	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge			91.69	8.89
	<i>For Clear Coated Bright Brass, Add</i>			6.26	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0005	PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge			100.54	12.71
	<i>For Clear Coated Bright Brass, Add</i>			6.96	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0006	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge			114.17	13.97
	<i>For Clear Coated Bright Brass, Add</i>			5.82	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0007	Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges	<small>(08 71 11 00-0002)</small>	Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0008	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			105.25	8.89
	<i>For Clear Coated Bright Brass, Add</i>			8.02	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0009	PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			120.82	12.71
	<i>For Clear Coated Bright Brass, Add</i>			8.02	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0010	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			123.24	13.97
	<i>For Clear Coated Bright Brass, Add</i>			7.09	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0011	PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			143.95	16.51
	<i>For Clear Coated Bright Brass, Add</i>			8.30	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0012	PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			144.85	16.51
	<i>For Clear Coated Bright Brass, Add</i>			8.42	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0013	PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			155.16	21.22
	<i>For Clear Coated Bright Brass, Add</i>			9.87	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0014	Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges	<small>(08 71 11 00-0002)</small>	Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			119.06	8.89
08 71 11 00-0016	PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			134.63	12.71
08 71 11 00-0017	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			138.26	13.97
08 71 11 00-0018	PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			160.51	16.51
08 71 11 00-0019	Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges	<small>(08 71 11 00-0002)</small>	Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			153.36	13.97
	<i>For Clear Coated Bright Brass, Add</i>			11.31	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0021	PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			174.34	16.51
	<i>For Clear Coated Bright Brass, Add</i>			12.55	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0022	PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge			193.31	16.51
	<i>For Clear Coated Bright Brass, Add</i>			15.21	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>			6.00	
08 71 11 00-0023	Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges	<small>(08 71 11 00-0002)</small>	Note: Set into mortised edge of the door and surface applied to the face of the frame.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	157.12	13.97
			<i>For Clear Coated Bright Brass, Add</i>	11.83	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	185.02	16.51
			<i>For Clear Coated Bright Brass, Add</i>	14.05	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0026			Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge <small>(08 71 11 00-0026)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	152.58	13.97
			<i>For Clear Coated Bright Brass, Add</i>	11.20	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	176.40	21.22
			<i>For Clear Coated Bright Brass, Add</i>	12.84	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0029	PR		6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	209.01	21.22
			<i>For Clear Coated Bright Brass, Add</i>	17.40	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0030			Mortised, Wrought Steel Hinges <small>(08 71 11 00-0030)</small>		
			Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031			Full Mortise, Plain Bearing, Wrought Steel Hinges <small>(08 71 11 00-0031)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	64.48	8.89
			<i>For Primed For Paint Finish, Deduct</i>	-3.31	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	2.07	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.98	
			<i>For Stainless Steel, Add</i>	9.10	
			<i>For Heavy Duty, Add</i>	2.48	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	81.76	12.71
			<i>For Primed For Paint Finish, Deduct</i>	-3.65	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	2.28	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-2.19	
			<i>For Stainless Steel, Add</i>	10.04	
			<i>For Heavy Duty, Add</i>	2.74	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	94.83	13.97
			<i>For Primed For Paint Finish, Deduct</i>	-4.45	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	2.78	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-2.67	
			<i>For Stainless Steel, Add</i>	12.23	
			<i>For Heavy Duty, Add</i>	3.34	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 11 00-0035)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	108.22	8.89
			<i>For Primed For Paint Finish, Deduct</i>	-12.06	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.54	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.23	
			<i>For Stainless Steel, Add</i>	33.15	
			<i>For Heavy Duty, Add</i>	9.04	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	131.77	12.71
			<i>For Primed For Paint Finish, Deduct</i>	-13.65	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.53	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.19	
			<i>For Stainless Steel, Add</i>	37.54	
			<i>For Heavy Duty, Add</i>	10.24	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	122.59	13.97
			<i>For Primed For Paint Finish, Deduct</i>	-10.00	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.25	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.00	
			<i>For Stainless Steel, Add</i>	27.50	
			<i>For Heavy Duty, Add</i>	7.50	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	184.49	16.51
			<i>For Primed For Paint Finish, Deduct</i>	-19.96	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	12.48	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-11.98	
			<i>For Stainless Steel, Add</i>	54.89	
			<i>For Heavy Duty, Add</i>	14.97	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0040 PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	198.57	16.51
For Primed For Paint Finish, Deduct	-22.78	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	14.24	
For Satin Brass Plated Clear Coated Finish, Deduct	-13.67	
For Stainless Steel, Add	62.63	
For Heavy Duty, Add	17.08	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0041 PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	241.51	16.51
For Primed For Paint Finish, Deduct	-31.36	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	19.60	
For Satin Brass Plated Clear Coated Finish, Deduct	-18.82	
For Stainless Steel, Add	86.25	
For Heavy Duty, Add	23.52	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0043 PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	133.48	8.89
For Primed For Paint Finish, Deduct	-17.11	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.69	
For Satin Brass Plated Clear Coated Finish, Deduct	-10.26	
For Stainless Steel, Add	47.05	
For Heavy Duty, Add	12.83	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0044 PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	160.45	12.71
For Primed For Paint Finish, Deduct	-19.39	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	12.12	
For Satin Brass Plated Clear Coated Finish, Deduct	-11.63	
For Stainless Steel, Add	53.32	
For Heavy Duty, Add	14.54	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0045 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	180.94	13.97
For Primed For Paint Finish, Deduct	-21.67	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	13.54	
For Satin Brass Plated Clear Coated Finish, Deduct	-13.00	
For Stainless Steel, Add	59.59	
For Heavy Duty, Add	16.25	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0046 PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	204.45	16.51
For Primed For Paint Finish, Deduct	-23.95	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	14.97	
For Satin Brass Plated Clear Coated Finish, Deduct	-14.37	
For Stainless Steel, Add	65.87	
For Heavy Duty, Add	17.96	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048 PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	186.12	13.97
For Primed For Paint Finish, Deduct	-24.52	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.33	
For Satin Brass Plated Clear Coated Finish, Deduct	-14.71	
For Stainless Steel, Add	67.44	
For Heavy Duty, Add	18.39	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0049 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	208.26	13.97
For Primed For Paint Finish, Deduct	-27.13	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	16.96	
For Satin Brass Plated Clear Coated Finish, Deduct	-16.28	
For Stainless Steel, Add	74.62	
For Heavy Duty, Add	20.35	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0050 PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	241.51	16.51
For Primed For Paint Finish, Deduct	-31.36	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	19.60	
For Satin Brass Plated Clear Coated Finish, Deduct	-18.82	
For Stainless Steel, Add	86.25	
For Heavy Duty, Add	23.52	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052 PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	175.84	13.97
For Primed For Paint Finish, Deduct	-20.65	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	12.91	
For Satin Brass Plated Clear Coated Finish, Deduct	-12.39	
For Stainless Steel, Add	56.79	
For Heavy Duty, Add	15.49	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0053 Blank Butt Hinges (08 71 11 00-0030)		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0054 PR 3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	35.86	5.71
For Primed For Paint Finish, Deduct	-2.63	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.64	
For Satin Brass Plated Clear Coated Finish, Deduct	-1.58	
For Stainless Steel, Add	7.23	
For Heavy Duty, Add	1.97	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0055 Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056 PR 3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	146.56	8.89
For Primed For Paint Finish, Deduct	-19.72	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	12.33	
For Satin Brass Plated Clear Coated Finish, Deduct	-11.83	
For Stainless Steel, Add	54.24	
08 71 11 00-0057 PR 4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	192.51	12.71
For Primed For Paint Finish, Deduct	-25.80	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	16.13	
For Satin Brass Plated Clear Coated Finish, Deduct	-15.48	
For Stainless Steel, Add	70.95	
08 71 11 00-0058 PR 4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	262.35	13.97
For Primed For Paint Finish, Deduct	-37.95	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	23.72	
For Satin Brass Plated Clear Coated Finish, Deduct	-22.77	
For Stainless Steel, Add	104.37	
08 71 11 00-0059 Offset And Pivot Hinges (08 71 11 00-0001)		
Note: Satin chrome plated, US26D.		
08 71 11 00-0060 Offset Swing Clear Hinges (08 71 11 00-0059)		
Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061 EA 4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges.....	228.90	3.96
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	40.48	
For Bright Chrome Plated US26 (BHMA 625) Finish, Add	65.19	
08 71 11 00-0062 Offset Pivot Hinges (08 71 11 00-0059)		
08 71 11 00-0063 3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0064 3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0065 Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0066 200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0067 EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	145.06	12.71
08 71 11 00-0068 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	194.02	12.71
08 71 11 00-0069 EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	221.23	12.71
08 71 11 00-0070 EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	221.23	12.71
08 71 11 00-0071 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	221.23	12.71
08 71 11 00-0072 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	221.23	12.71
08 71 11 00-0073 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	221.23	12.71
08 71 11 00-0074 EA Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	159.21	12.71
08 71 11 00-0075 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	201.66	12.71
08 71 11 00-0076 EA Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	229.93	12.71
08 71 11 00-0077 EA Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	229.93	12.71
08 71 11 00-0078 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	229.93	12.71
08 71 11 00-0079 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	229.93	12.71
08 71 11 00-0080 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	229.93	12.71
08 71 11 00-0081 EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	145.06	12.71
08 71 11 00-0082 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	194.02	12.71
08 71 11 00-0083 EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	221.23	12.71
08 71 11 00-0084 EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	221.23	12.71
08 71 11 00-0085 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	221.23	12.71
08 71 11 00-0086 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	221.23	12.71
08 71 11 00-0087 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	221.23	12.71
08 71 11 00-0088 500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0089 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	151.42	15.88
08 71 11 00-0090 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	200.38	15.88
08 71 11 00-0091 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	227.59	15.88
08 71 11 00-0092 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	227.59	15.88
08 71 11 00-0093 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	227.59	15.88
08 71 11 00-0094 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	227.59	15.88
08 71 11 00-0095 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	227.59	15.88
08 71 11 00-0096 600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0097 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	151.42	15.88
08 71 11 00-0098 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	200.38	15.88
08 71 11 00-0099 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	227.59	15.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0100 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	227.59	15.88
08 71 11 00-0101 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	227.59	15.88
08 71 11 00-0102 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	227.59	15.88
08 71 11 00-0103 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	227.59	15.88
08 71 11 00-0104 700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0065)</small>		
08 71 11 00-0105 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	151.42	15.88
08 71 11 00-0106 EA Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	200.38	15.88
08 71 11 00-0107 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	227.59	15.88
08 71 11 00-0108 EA Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	227.59	15.88
08 71 11 00-0109 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	227.59	15.88
08 71 11 00-0110 EA Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	227.59	15.88
08 71 11 00-0111 EA Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	227.59	15.88
08 71 11 00-0112 Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0064)</small>		
08 71 11 00-0113 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0114 EA Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	179.88	12.71
08 71 11 00-0115 EA Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	221.23	12.71
08 71 11 00-0116 EA Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	250.60	12.71
08 71 11 00-0117 EA Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	250.60	12.71
08 71 11 00-0118 EA Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	250.60	12.71
08 71 11 00-0119 EA Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	250.60	12.71
08 71 11 00-0120 EA Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	250.60	12.71
08 71 11 00-0121 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0122 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	200.38	15.88
08 71 11 00-0123 EA Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	213.44	15.88
08 71 11 00-0124 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	236.29	15.88
08 71 11 00-0125 EA Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	236.29	15.88
08 71 11 00-0126 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	236.29	15.88
08 71 11 00-0127 EA Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	236.29	15.88
08 71 11 00-0128 EA Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	236.29	15.88
08 71 11 00-0129 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0130 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	200.38	15.88
08 71 11 00-0131 EA Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	213.44	15.88
08 71 11 00-0132 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	236.29	15.88
08 71 11 00-0133 EA Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	236.29	15.88
08 71 11 00-0134 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	236.29	15.88
08 71 11 00-0135 EA Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	236.29	15.88
08 71 11 00-0136 EA Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	236.29	15.88
08 71 11 00-0137 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0138 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	200.38	15.88
08 71 11 00-0139 EA Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	213.44	15.88
08 71 11 00-0140 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	236.29	15.88
08 71 11 00-0141 EA Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	236.29	15.88
08 71 11 00-0142 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	236.29	15.88
08 71 11 00-0143 EA Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	236.29	15.88
08 71 11 00-0144 EA Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	236.29	15.88
08 71 11 00-0145 Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0064)</small>		
08 71 11 00-0146 200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0145)</small>		
08 71 11 00-0147 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	159.21	12.71
08 71 11 00-0148 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	201.66	12.71
08 71 11 00-0149 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	229.93	12.71
08 71 11 00-0150 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	229.93	12.71
08 71 11 00-0151 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	229.93	12.71
08 71 11 00-0152 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	301.58	12.71
08 71 11 00-0153 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	229.93	12.71
08 71 11 00-0154 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBMTM).....	159.21	12.71
08 71 11 00-0155 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBMTM).....	201.66	12.71
08 71 11 00-0156 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBMTM).....	229.93	12.71
08 71 11 00-0157 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBMTM).....	229.93	12.71

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0158 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	229.93	12.71
08 71 11 00-0159 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	229.93	12.71
08 71 11 00-0160 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	229.93	12.71
08 71 11 00-0161 EA Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	138.54	12.71
08 71 11 00-0162 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	187.51	12.71
08 71 11 00-0163 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	215.78	12.71
08 71 11 00-0164 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	215.78	12.71
08 71 11 00-0165 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	215.78	12.71
08 71 11 00-0166 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	215.78	12.71
08 71 11 00-0167 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	215.78	12.71
08 71 11 00-0168 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0169 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	241.74	15.88
08 71 11 00-0170 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	256.96	15.88
08 71 11 00-0171 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	256.96	15.88
08 71 11 00-0172 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	256.96	15.88
08 71 11 00-0173 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	256.96	15.88
08 71 11 00-0174 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	256.96	15.88
08 71 11 00-0175 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	261.31	15.88
08 71 11 00-0176 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0177 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	208.02	15.88
08 71 11 00-0178 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	227.59	15.88
08 71 11 00-0179 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	241.74	15.88
08 71 11 00-0180 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	241.74	15.88
08 71 11 00-0181 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	241.74	15.88
08 71 11 00-0182 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	241.74	15.88
08 71 11 00-0183 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	241.74	15.88
08 71 11 00-0184 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0185 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	473.45	15.88
08 71 11 00-0186 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	508.26	15.88
08 71 11 00-0187 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	563.76	15.88
08 71 11 00-0188 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	563.76	15.88
08 71 11 00-0189 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	563.76	15.88
08 71 11 00-0190 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	563.76	15.88
08 71 11 00-0191 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	563.76	15.88
08 71 11 00-0192 Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0193 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)		
08 71 11 00-0194 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)		
08 71 11 00-0195 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	283.09	15.88
08 71 11 00-0196 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	334.19	15.88
08 71 11 00-0197 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	375.55	15.88
08 71 11 00-0198 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	375.55	15.88
08 71 11 00-0199 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	375.55	15.88
08 71 11 00-0200 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)		
08 71 11 00-0201 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	283.09	15.88
08 71 11 00-0202 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	334.19	15.88
08 71 11 00-0203 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	375.55	15.88
08 71 11 00-0204 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	375.55	15.88
08 71 11 00-0205 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	375.55	15.88
08 71 11 00-0206 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)		
08 71 11 00-0207 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	283.09	15.88



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0208 EA Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	334.19	15.88
08 71 11 00-0209 EA Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	375.55	15.88
08 71 11 00-0210 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	375.55	15.88
08 71 11 00-0211 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	375.55	15.88
08 71 11 00-0212 1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0213 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	298.12	19.06
08 71 11 00-0214 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	340.54	19.06
08 71 11 00-0215 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	360.14	19.06
08 71 11 00-0216 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	360.14	19.06
08 71 11 00-0217 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	360.14	19.06
08 71 11 00-0218 1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0219 EA Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	298.12	19.06
08 71 11 00-0220 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	340.54	19.06
08 71 11 00-0221 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	360.14	19.06
08 71 11 00-0222 EA Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	360.14	19.06
08 71 11 00-0223 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	360.14	19.06
08 71 11 00-0224 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0225 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0226 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	291.77	15.88
08 71 11 00-0227 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	339.64	15.88
08 71 11 00-0228 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	353.79	15.88
08 71 11 00-0229 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	353.79	15.88
08 71 11 00-0230 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	353.79	15.88
08 71 11 00-0231 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0232 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	291.77	15.88
08 71 11 00-0233 EA Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	339.64	15.88
08 71 11 00-0234 EA Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	353.79	15.88
08 71 11 00-0235 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	353.79	15.88
08 71 11 00-0236 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	353.79	15.88
08 71 11 00-0237 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0238 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	291.77	15.88
08 71 11 00-0239 EA Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	339.64	15.88
08 71 11 00-0240 EA Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	353.79	15.88
08 71 11 00-0241 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	353.79	15.88
08 71 11 00-0242 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	353.79	15.88

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0243		1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>			
08 71 11 00-0244	EA	Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	326.42		19.06
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	375.36		19.06
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	388.41		19.06
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	388.41		19.06
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	388.41		19.06
08 71 11 00-0249		1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>			
08 71 11 00-0250	EA	Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	326.42		19.06
08 71 11 00-0251	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	375.36		19.06
08 71 11 00-0252	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	388.41		19.06
08 71 11 00-0253	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	388.41		19.06
08 71 11 00-0254	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	388.41		19.06
08 71 11 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>			
08 71 11 00-0256		500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>			
08 71 11 00-0257	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	325.51		15.88
08 71 11 00-0258	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	402.75		15.88
08 71 11 00-0259	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	432.12		15.88
08 71 11 00-0260	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	432.12		15.88
08 71 11 00-0261	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	432.12		15.88
08 71 11 00-0262		600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>			
08 71 11 00-0263	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	320.07		15.88
08 71 11 00-0264	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	339.64		15.88
08 71 11 00-0265	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	389.69		15.88
08 71 11 00-0266	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	389.69		15.88
08 71 11 00-0267	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	389.69		15.88
08 71 11 00-0268		1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>			
08 71 11 00-0269	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	367.75		19.06
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	409.10		19.06
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	424.32		19.06
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	424.32		19.06
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	424.32		19.06
08 71 11 00-0274		1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>			
08 71 11 00-0275	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	521.15		19.06
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	555.96		19.06
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	570.11		19.06



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0278 EA Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	570.11	19.06
08 71 11 00-0279 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	570.11	19.06
08 71 11 00-0280 1-1/2" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0281 Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)		
08 71 11 00-0282 Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0283 400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)		
08 71 11 00-0284 EA Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	334.19	15.88
08 71 11 00-0285 EA Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	361.40	15.88
08 71 11 00-0286 EA Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	382.06	15.88
08 71 11 00-0287 EA Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	382.06	15.88
08 71 11 00-0288 EA Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	382.06	15.88
08 71 11 00-0289 500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)		
08 71 11 00-0290 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	334.19	15.88
08 71 11 00-0291 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	361.40	15.88
08 71 11 00-0292 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	382.06	15.88
08 71 11 00-0293 EA Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	382.06	15.88
08 71 11 00-0294 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	382.06	15.88
08 71 11 00-0295 Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0296 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)		
08 71 11 00-0297 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	347.25	15.88
08 71 11 00-0298 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	389.69	15.88
08 71 11 00-0299 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	410.36	15.88
08 71 11 00-0300 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	410.36	15.88
08 71 11 00-0301 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	410.36	15.88
08 71 11 00-0302 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)		
08 71 11 00-0303 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	347.25	15.88
08 71 11 00-0304 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	389.69	15.88
08 71 11 00-0305 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	410.36	15.88
08 71 11 00-0306 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	410.36	15.88
08 71 11 00-0307 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	410.36	15.88
08 71 11 00-0308 Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0309 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0308)		
08 71 11 00-0310 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	339.64	15.88
08 71 11 00-0311 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	389.69	15.88
08 71 11 00-0312 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	410.36	15.88
08 71 11 00-0313 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	410.36	15.88

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0314 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	410.36	15.88
08 71 11 00-0315 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0308)</small>		
08 71 11 00-0316 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	549.61	15.88
08 71 11 00-0317 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	606.19	15.88
08 71 11 00-0318 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	620.33	15.88
08 71 11 00-0319 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	620.33	15.88
08 71 11 00-0320 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	620.33	15.88
08 71 11 00-0321 Center Hung Pivot Hinges <small>(08 71 11 00-0059)</small>		
08 71 11 00-0322 Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0321)</small>		
08 71 11 00-0323 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0324 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	173.36	12.71
08 71 11 00-0325 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	187.51	12.71
08 71 11 00-0326 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	187.51	12.71
08 71 11 00-0327 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	187.51	12.71
08 71 11 00-0328 EA Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	187.51	12.71
08 71 11 00-0329 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	187.51	12.71
08 71 11 00-0330 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	187.51	12.71
08 71 11 00-0331 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0332 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	179.72	15.88
08 71 11 00-0333 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	193.87	15.88
08 71 11 00-0334 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	193.87	15.88
08 71 11 00-0335 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	193.87	15.88
08 71 11 00-0336 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	193.87	15.88
08 71 11 00-0337 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	193.87	15.88
08 71 11 00-0338 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	193.87	15.88
08 71 11 00-0339 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0340 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	179.72	15.88
08 71 11 00-0341 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	193.87	15.88
08 71 11 00-0342 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	193.87	15.88
08 71 11 00-0343 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	193.87	15.88
08 71 11 00-0344 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	193.87	15.88
08 71 11 00-0345 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	193.87	15.88
08 71 11 00-0346 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	193.87	15.88
08 71 11 00-0347 1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0348 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	283.97	19.06
08 71 11 00-0349 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	331.86	19.06
08 71 11 00-0350 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	381.90	19.06
08 71 11 00-0351 EA Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	381.90	19.06
08 71 11 00-0352 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	381.90	19.06
08 71 11 00-0353 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	381.90	19.06
08 71 11 00-0354 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	381.90	19.06
08 71 11 00-0355 Bottom Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0321)</small>		
08 71 11 00-0356 300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0355)</small>		
08 71 11 00-0357 EA Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	132.01	12.71
08 71 11 00-0358 EA Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	152.69	12.71
08 71 11 00-0359 EA Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	173.36	12.71
08 71 11 00-0360 EA Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	173.36	12.71
08 71 11 00-0361 EA Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	173.36	12.71
08 71 11 00-0362 EA Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	173.36	12.71
08 71 11 00-0363 EA Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	173.36	12.71



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0364 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0355)</small>		
08 71 11 00-0365 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	193.87	15.88
08 71 11 00-0366 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	200.38	15.88
08 71 11 00-0367 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	200.38	15.88
08 71 11 00-0368 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	200.38	15.88
08 71 11 00-0369 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	200.38	15.88
08 71 11 00-0370 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	200.38	15.88
08 71 11 00-0371 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	200.38	15.88
08 71 11 00-0372 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	193.87	15.88
08 71 11 00-0373 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	200.38	15.88
08 71 11 00-0374 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	200.38	15.88
08 71 11 00-0375 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	200.38	15.88
08 71 11 00-0376 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	200.38	15.88
08 71 11 00-0377 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	200.38	15.88
08 71 11 00-0378 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	200.38	15.88
08 71 11 00-0379 600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0355)</small>		
08 71 11 00-0380 EA Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	389.69	15.88
08 71 11 00-0381 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	410.36	15.88
08 71 11 00-0382 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	432.12	15.88
08 71 11 00-0383 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	432.12	15.88
08 71 11 00-0384 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	432.12	15.88
08 71 11 00-0385 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	432.12	15.88
08 71 11 00-0386 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	432.12	15.88
08 71 11 00-0387 1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0355)</small>		
08 71 11 00-0388 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	716.98	19.06
08 71 11 00-0389 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	737.64	19.06
08 71 11 00-0390 EA Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	765.94	19.06
08 71 11 00-0391 EA Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	765.94	19.06
08 71 11 00-0392 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	765.94	19.06
08 71 11 00-0393 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	765.94	19.06
08 71 11 00-0394 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	765.94	19.06
08 71 11 00-0395 Continuous Barrel-Type Hinge <small>(08 71 11 00-0001)</small>		
08 71 11 00-0396 LF 1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	34.57	5.08
For Stainless Steel, Add	7.84	
For Brass Or Nickel, Add	8.55	
For Aluminum, Add	2.79	
For Medium Gauge, Deduct	-2.85	
08 71 11 00-0397 LF 2" Wide, Steel, Continuous Barrel-Type Hinge.....	35.52	5.08
For Stainless Steel, Add	8.36	
For Brass Or Nickel, Add	9.12	
For Aluminum, Add	2.98	
For Medium Gauge, Deduct	-3.04	
08 71 11 00-0398 LF 2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	37.42	5.08
For Stainless Steel, Add	9.41	
For Brass Or Nickel, Add	10.26	
For Aluminum, Add	3.35	
For Medium Gauge, Deduct	-3.42	
08 71 11 00-0399 LF 3" Wide, Steel, Continuous Barrel-Type Hinge.....	39.57	5.08
For Stainless Steel, Add	10.59	
For Brass Or Nickel, Add	11.55	
For Aluminum, Add	3.77	
For Medium Gauge, Deduct	-3.85	
08 71 11 00-0400 Continuous Geared Hinges <small>(08 71 11 00-0001)</small>		

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0401	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)..... <i>For Bronze Finish, Add</i> <i>For Heavy Duty, Add</i>	62.81 15.93 11.35	5.08
08 71 11 00-0402	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)..... <i>For Bronze Finish, Add</i> <i>For Heavy Duty, Add</i>	67.78 17.80 12.68	5.08
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)..... <i>For Bronze Finish, Add</i>	42.88 8.46	5.08
08 71 11 00-0404	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD)..... <i>For Bronze Finish, Add</i>	50.08 11.16	5.08
08 71 11 00-0405 Mortised, Primed Steel, Double Acting Spring Hinges <small>(08 71 11 00-0001)</small>					
08 71 11 00-0406	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	175.10 31.35	8.89
08 71 11 00-0407	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	187.87 31.37	11.43
08 71 11 00-0408	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	207.70 33.08	13.97
08 71 11 00-0409	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	273.25 45.76	16.51
08 71 11 00-0410	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	305.29 50.40	19.06
08 71 11 00-0411	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	368.12 62.43	21.60
08 71 11 00-0412	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	503.30 91.83	60.35
08 71 11 00-0413 Security Hinges <small>(08 71 11 00-0001)</small>					
08 71 11 00-0414	EA		4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	43.45	8.89
08 71 11 00-0415 Concealed Circuit Electric Hinge Option <small>(08 71 11 00-0001)</small>					
Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.					
08 71 11 00-0416	EA		4 Wire Concealed Circuit Electric Hinge Option.....	304.44	
08 71 11 00-0417	EA		6 Wire Concealed Circuit Electric Hinge Option.....	359.44	
08 71 11 00-0418	EA		8 Wire Concealed Circuit Electric Hinge Option.....	414.45	
08 71 11 00-0419 Hinge Filler Plates For Door Frames <small>(08 71 11 00-0001)</small>					
08 71 11 00-0420	PR		Hinge Filler Plates For Door Frames.....	22.67	6.35
08 71 11 00-0421 Door Trim <small>(08 71 11)</small>					
08 71 11 00-0422 Floor Stops, Wall Stops And Bumpers <small>(08 71 11 00-0421)</small>					
08 71 11 00-0423 Floor Stops <small>(08 71 11 00-0422)</small>					
08 71 11 00-0424 Aluminum Floor Stops <small>(08 71 11 00-0423)</small>					
08 71 11 00-0425	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	35.49	15.88
08 71 11 00-0426	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	39.20	15.88
08 71 11 00-0427	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	40.62	15.88
08 71 11 00-0428	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	62.15	15.88
08 71 11 00-0429	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	64.73	15.88
08 71 11 00-0430 Brass Floor Stops <small>(08 71 11 00-0423)</small>					
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	39.72	15.88
08 71 11 00-0432	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	41.14	15.88
08 71 11 00-0433	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	41.14	15.88
08 71 11 00-0434	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	41.69	15.88
08 71 11 00-0435	EA		1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	42.41	15.88
08 71 11 00-0436	EA		1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	42.41	15.88
08 71 11 00-0437	EA		1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	42.41	15.88
08 71 11 00-0438	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	40.62	15.88
08 71 11 00-0439	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	42.76	15.88
08 71 11 00-0440	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	42.76	15.88
08 71 11 00-0441	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	43.60	15.88
08 71 11 00-0442	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	44.32	15.88
08 71 11 00-0443	EA		1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	44.32	15.88
08 71 11 00-0444	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	47.71	15.88
08 71 11 00-0445	EA		1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	42.90	15.88
08 71 11 00-0446	EA		1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	42.90	15.88
08 71 11 00-0447	EA		1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	45.25	15.88
08 71 11 00-0448	EA		1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	45.25	15.88
08 71 11 00-0449	EA		1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	45.25	15.88
08 71 11 00-0450	EA		1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	45.25	15.88
08 71 11 00-0451	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	44.53	15.88
08 71 11 00-0452	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	44.53	15.88



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0453 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	46.81	15.88
08 71 11 00-0454 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	46.81	15.88
08 71 11 00-0455 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	46.81	15.88
08 71 11 00-0456 EA 1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	46.81	15.88
08 71 11 00-0457 EA 2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441).....	64.24	15.88
08 71 11 00-0458 EA 2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	65.25	15.88
08 71 11 00-0459 EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441).....	67.71	15.88
08 71 11 00-0460 EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	69.71	15.88
08 71 11 00-0461 EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	69.71	15.88
08 71 11 00-0462 EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	77.84	15.88
08 71 11 00-0463 EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441).....	77.84	15.88
08 71 11 00-0464 EA 3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	74.83	15.88
08 71 11 00-0465 EA 3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	76.28	15.88
08 71 11 00-0466 EA 3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448).....	76.28	15.88
08 71 11 00-0467 EA 3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448).....	76.28	15.88
08 71 11 00-0468 EA 3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	76.28	15.88
08 71 11 00-0469 EA 3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448).....	87.43	15.88
08 71 11 00-0470 EA 3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	87.43	15.88
08 71 11 00-0471 EA 1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	52.11	15.88
08 71 11 00-0472 EA 1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	53.96	15.88
08 71 11 00-0473 EA 1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	58.16	15.88
08 71 11 00-0474 EA 1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430).....	58.16	15.88
08 71 11 00-0475 EA 1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430).....	58.16	15.88
08 71 11 00-0476 EA 1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430).....	59.40	15.88
08 71 11 00-0477 Steel Floor Stops (08 71 11 00-0423)		
08 71 11 00-0478 EA 2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	44.87	15.88
08 71 11 00-0479 EA 1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)..... Note: Includes drilling. Excludes Grout.	113.82	15.88
08 71 11 00-0480 EA 3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)..... Note: Includes drilling. Excludes Grout.	119.70	15.88
08 71 11 00-0481 Wall Stops (08 71 11 00-0422)		
08 71 11 00-0482 Aluminum Wall Stops (08 71 11 00-0481)		
08 71 11 00-0483 EA 3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	17.83	6.35
08 71 11 00-0484 EA 3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	26.01	9.53
08 71 11 00-0485 Brass Wall Stops (08 71 11 00-0481)		
08 71 11 00-0486 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	30.45	6.35
08 71 11 00-0487 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	30.45	6.35
08 71 11 00-0488 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	30.45	6.35
08 71 11 00-0489 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	35.95	6.35
08 71 11 00-0490 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	36.48	6.35
08 71 11 00-0491 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	36.48	6.35
08 71 11 00-0492 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	36.48	6.35
08 71 11 00-0493 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	84.65	9.53
08 71 11 00-0494 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	86.59	9.53
08 71 11 00-0495 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	86.59	9.53
08 71 11 00-0496 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	86.59	9.53
08 71 11 00-0497 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	86.59	9.53
08 71 11 00-0498 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	86.59	9.53
08 71 11 00-0499 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	70.99	9.53
08 71 11 00-0500 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	81.47	9.53
08 71 11 00-0501 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	81.47	9.53
08 71 11 00-0502 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	81.47	9.53
08 71 11 00-0503 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	81.47	9.53
08 71 11 00-0504 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	83.96	9.53
08 71 11 00-0505 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	83.96	9.53
08 71 11 00-0506 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	135.72	9.53
08 71 11 00-0507 Steel Wall Stops (08 71 11 00-0481)		
08 71 11 00-0508 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63).....	13.78	6.35
08 71 11 00-0509 Hinge Pin Door Stops (08 71 11 00-0422)		
08 71 11 00-0510 Aluminum Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0511 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	28.58	12.71
08 71 11 00-0512 Brass Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0513 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	29.19	12.71
08 71 11 00-0514 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	33.01	12.71
08 71 11 00-0515 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	42.22	12.71
08 71 11 00-0516 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	42.22	12.71
08 71 11 00-0517 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	42.22	12.71

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0518 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.53	12.71
08 71 11 00-0519 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.53	12.71
08 71 11 00-0520 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.53	12.71
08 71 11 00-0521 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.53	12.71
08 71 11 00-0522 Wall Bumpers (08 71 11 00-0422)		
08 71 11 00-0523 Brass Wall Bumpers (08 71 11 00-0522)		
08 71 11 00-0524 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	37.78	15.88
08 71 11 00-0525 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	37.78	15.88
08 71 11 00-0526 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	37.78	15.88
08 71 11 00-0527 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.30	15.88
08 71 11 00-0528 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.30	15.88
08 71 11 00-0529 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.30	15.88
08 71 11 00-0530 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.30	15.88
08 71 11 00-0531 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	56.02	15.88
08 71 11 00-0532 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	60.82	15.88
08 71 11 00-0533 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	60.82	15.88
08 71 11 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	60.82	15.88
08 71 11 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	60.82	15.88
08 71 11 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	60.82	15.88
08 71 11 00-0537 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.89	15.88
08 71 11 00-0538 Rubber Wall Bumpers (08 71 11 00-0522)		
08 71 11 00-0539 EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	35.87	15.88
08 71 11 00-0540 Holders (08 71 11 00-0421)		
08 71 11 00-0541 Plunger Type Door Holders (08 71 11 00-0540)		
08 71 11 00-0542 Aluminum Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0543 EA Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	89.43	9.53
08 71 11 00-0544 Brass Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0545 EA Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	145.99	9.53
08 71 11 00-0546 EA Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	145.99	9.53
08 71 11 00-0547 EA Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	145.99	9.53
08 71 11 00-0548 EA Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	145.99	9.53
08 71 11 00-0549 EA Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	145.99	9.53
08 71 11 00-0550 EA Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	145.99	9.53
08 71 11 00-0551 EA Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	145.99	9.53
08 71 11 00-0552 Kick Down Door Holders (08 71 11 00-0540)		
08 71 11 00-0553 Aluminum Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0554 EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	30.55	9.53
08 71 11 00-0555 Brass Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0556 EA Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	65.72	9.53
08 71 11 00-0557 EA Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	65.72	9.53
08 71 11 00-0558 EA Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	65.72	9.53
08 71 11 00-0559 EA Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	74.90	9.53
08 71 11 00-0560 EA Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	74.90	9.53
08 71 11 00-0561 EA Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	74.90	9.53
08 71 11 00-0562 EA Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	77.21	9.53
08 71 11 00-0563 Steel Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0564 EA Steel Kick Down Door Holder (Ives FS544).....	37.64	9.53
08 71 11 00-0565 Floor Mounted Door Holders (08 71 11 00-0540)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0566 Brass Floor Mounted Door Holders (08 71 11 00-0565)		
08 71 11 00-0567 EA Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	128.69	19.06
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0568 EA Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	128.69	19.06
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0569 EA Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	159.17	19.06
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0570 EA Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	159.17	19.06
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571 EA Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	159.17	19.06
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0572 EA Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	159.17	19.06
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0573 Wall Mounted Door Holders (08 71 11 00-0540)		
08 71 11 00-0574 Aluminum Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0575 EA 4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	113.88	11.12
08 71 11 00-0576 EA Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	167.18	19.06
08 71 11 00-0577 Brass Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0578 EA 3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	104.64	11.12
08 71 11 00-0579 EA 3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	121.17	11.12
08 71 11 00-0580 EA 3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	121.17	11.12
08 71 11 00-0581 EA 3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	121.17	11.12
08 71 11 00-0582 EA 3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	121.17	11.12
08 71 11 00-0583 EA 3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	121.17	11.12
08 71 11 00-0584 EA 3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	125.05	11.12
08 71 11 00-0585 EA 4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	118.48	11.12
08 71 11 00-0586 EA 4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	141.03	11.12
08 71 11 00-0587 EA 4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	141.03	11.12
08 71 11 00-0588 EA 4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	141.03	11.12
08 71 11 00-0589 EA 4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	141.03	11.12
08 71 11 00-0590 EA 4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	141.03	11.12
08 71 11 00-0591 EA Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	189.68	19.06
08 71 11 00-0592 EA Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	199.81	19.06
08 71 11 00-0593 EA Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	199.81	19.06
08 71 11 00-0594 EA Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	199.81	19.06
08 71 11 00-0595 EA Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	199.81	19.06
08 71 11 00-0596 EA Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	199.81	19.06
08 71 11 00-0597 Overhead Door Holders (08 71 11 00-0540)		
08 71 11 00-0598 Surface Mounted, Overhead Door Holders (08 71 11 00-0597)		
08 71 11 00-0599 EA Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	589.03	31.76
For Hold Open, Add	66.66	
08 71 11 00-0600 EA Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	674.14	31.76
For Hold Open, Add	78.94	
08 71 11 00-0601 EA Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	674.14	31.76
For Hold Open, Add	78.94	
08 71 11 00-0602 EA Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	674.14	31.76
For Hold Open, Add	78.94	
08 71 11 00-0603 EA Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	671.24	31.76
For Hold Open, Add	78.53	
08 71 11 00-0604 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0597)		
Note: With or without hold open feature.		
08 71 11 00-0605 EA Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	460.51	31.76
08 71 11 00-0606 EA Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	663.72	31.76

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0607	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	752.30		31.76
08 71 11 00-0608	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	752.30		31.76
08 71 11 00-0609	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	752.30		31.76
08 71 11 00-0610		Concealed Mounted, Overhead Door Holders (08 71 11 00-0597)			
		Note: With or without hold open feature.			
08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	642.30		31.76
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	642.30		31.76
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	677.03		31.76
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	706.56		31.76
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	706.56		31.76
08 71 11 00-0616		Silencers (08 71 11 00-0421)			
08 71 11 00-0617	EA	Replacement Of Rubber Door Silencers	1.90		
		Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.			
08 71 11 00-0618		Bolts (08 71 11 00-0421)			
08 71 11 00-0619		Brass Surface Bolts (08 71 11 00-0619)			
08 71 11 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	192.24		15.88
08 71 11 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	205.62		15.88
08 71 11 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	205.62		15.88
08 71 11 00-0623		Steel Surface Bolts (08 71 11 00-0618)			
08 71 11 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	88.61		15.88
08 71 11 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	88.61		15.88
08 71 11 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	88.61		15.88
08 71 11 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	100.31		15.88
08 71 11 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	101.99		15.88
08 71 11 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	105.31		15.88
08 71 11 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	103.64		15.88
08 71 11 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	108.67		15.88
08 71 11 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	115.36		15.88
08 71 11 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	120.37		15.88
08 71 11 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	187.23		15.88
08 71 11 00-0635		Door Viewer (08 71 11 00-0421)			
08 71 11 00-0636		Brass Door Viewer (08 71 11 00-0635)			
08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	47.71		15.88
08 71 11 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	47.71		15.88
08 71 11 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	47.71		15.88
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	55.18		15.88
08 71 11 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	55.18		15.88
08 71 11 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	55.18		15.88
08 71 11 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	64.38		15.88
08 71 11 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	64.38		15.88
08 71 11 00-0645		Door Knockers (08 71 11 00-0421)			
08 71 11 00-0646		Brass Door Knockers (08 71 11 00-0645)			
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	70.75		15.88
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	77.84		15.88
08 71 11 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	77.84		15.88
08 71 11 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	77.84		15.88
08 71 11 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	104.76		15.88
08 71 11 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	121.87		15.88
08 71 11 00-0653		Hasps (08 71 11 00-0421)			
08 71 11 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	33.64		11.98
08 71 11 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	35.85		12.71
08 71 11 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly	45.54		14.29
08 71 11 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	181.35		17.15
08 71 11 00-0658		Flush Bolts (08 71 11 00-0421)			
08 71 11 00-0659		Flush Bolts For Metal Doors (08 71 11 00-0658)			
08 71 11 00-0660		Brass Flush Bolts For Metal Doors (08 71 11 00-0659)			
08 71 11 00-0661		Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)			
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.			



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0662 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	68.55	15.88
08 71 11 00-0663 Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664 EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	138.47	15.88
08 71 11 00-0665 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	138.47	15.88
08 71 11 00-0666 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	240.39	25.40
08 71 11 00-0667 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	246.67	22.23
08 71 11 00-0668 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	256.54	23.81
08 71 11 00-0669 Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	163.67	15.88
08 71 11 00-0671 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	303.59	25.40
08 71 11 00-0672 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	297.23	22.23
08 71 11 00-0673 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	308.77	23.81
08 71 11 00-0674 Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0659)		
08 71 11 00-0675 Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0674)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	138.47	15.88
08 71 11 00-0677 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	138.47	15.88
08 71 11 00-0678 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	240.39	25.40
08 71 11 00-0679 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	246.67	22.23
08 71 11 00-0680 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	256.54	23.81
08 71 11 00-0681 Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0674)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	163.67	15.88
08 71 11 00-0683 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	303.59	25.40
08 71 11 00-0684 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	297.23	22.23
08 71 11 00-0685 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	308.77	23.81
08 71 11 00-0686 Flush Bolts For Wood Doors (08 71 11 00-0658)		
08 71 11 00-0687 Brass Flush Bolts For Wood Doors (08 71 11 00-0686)		
08 71 11 00-0688 Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	81.06	15.88
08 71 11 00-0690 Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691 EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	171.66	15.88
08 71 11 00-0692 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	171.66	15.88
08 71 11 00-0693 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	317.62	25.40
08 71 11 00-0694 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	311.26	22.23
08 71 11 00-0695 Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	170.36	15.88
08 71 11 00-0697 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	317.62	25.40
08 71 11 00-0698 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	311.26	22.23
08 71 11 00-0699 Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0686)		
08 71 11 00-0700 Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0701 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	171.66	15.88
08 71 11 00-0702 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	171.66	15.88
08 71 11 00-0703 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	317.62	25.40
08 71 11 00-0704 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	311.26	22.23
08 71 11 00-0705 Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0706 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	170.36	15.88
08 71 11 00-0707 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	317.62	25.40
08 71 11 00-0708 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	311.26	22.23

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0709			Dust Proof Strikes (08 71 11 00-0658)		
08 71 11 00-0710	EA		Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	61.18	12.71
08 71 11 00-0711	EA		Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	61.18	12.71
08 71 11 00-0712	EA		Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	61.18	12.71
08 71 11 00-0713	EA		Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	61.18	12.71
08 71 11 00-0714	EA		Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	61.18	12.71
08 71 11 00-0715	EA		Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	70.53	12.71
08 71 11 00-0716	EA		Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	70.53	12.71
08 71 11 00-0717	EA		Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	70.53	12.71
08 71 11 00-0718	EA		Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	70.53	12.71
08 71 11 00-0719	EA		Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	70.53	12.71
08 71 11 00-0720			Roller Bumpers (08 71 11 00-0421)		
08 71 11 00-0721			Brass Roller Bumpers (08 71 11 00-0720)		
08 71 11 00-0722	EA		5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	63.93	9.53
08 71 11 00-0723	EA		5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	75.10	9.53
08 71 11 00-0724	EA		5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	75.10	9.53
08 71 11 00-0725	EA		4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	61.41	9.53
08 71 11 00-0726	EA		4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	69.92	9.53
08 71 11 00-0727	EA		4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	69.92	9.53
08 71 11 00-0728	EA		4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	69.92	9.53
08 71 11 00-0729	EA		6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	64.10	9.53
08 71 11 00-0730	EA		6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	70.12	9.53
08 71 11 00-0731	EA		6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	72.96	9.53
08 71 11 00-0732	EA		6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	72.96	9.53
08 71 11 00-0733	EA		6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	72.96	9.53
08 71 11 00-0734	EA		6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	72.96	9.53
08 71 11 00-0735	EA		6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	72.96	9.53
08 71 11 00-0736			Other Door Trim (08 71 11 00-0421)		
08 71 11 00-0737			Coat And Hat Hooks (08 71 11 00-0736)		
08 71 11 00-0738			Aluminum Coat And Hat Hooks (08 71 11 00-0737)		
08 71 11 00-0739	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	22.15	9.53
08 71 11 00-0740	EA		1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	22.15	9.53
08 71 11 00-0741	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	22.35	9.53
08 71 11 00-0742	EA		1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.00	9.53
08 71 11 00-0743	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.00	9.53
08 71 11 00-0744	EA		1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.00	9.53
08 71 11 00-0745	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.35	9.53
08 71 11 00-0746	EA		1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.39	9.53
08 71 11 00-0747	EA		1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.39	9.53
08 71 11 00-0748	EA		1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.39	9.53
08 71 11 00-0749	EA		1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.39	9.53
08 71 11 00-0750	EA		1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.39	9.53
08 71 11 00-0751			Brass Coat And Hat Hooks (08 71 11 00-0737)		
08 71 11 00-0752	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	27.82	9.53
08 71 11 00-0753	EA		1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	28.37	9.53
08 71 11 00-0754	EA		1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	29.24	9.53
08 71 11 00-0755	EA		1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	29.24	9.53
08 71 11 00-0756	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	29.79	9.53
08 71 11 00-0757	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	31.55	9.53
08 71 11 00-0758	EA		1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	34.04	9.53
08 71 11 00-0759	EA		1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	34.04	9.53
08 71 11 00-0760	EA		1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571).....	34.04	9.53
08 71 11 00-0761	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571).....	34.59	9.53
08 71 11 00-0762			Door Plates And Pulls (08 71 11)		
08 71 11 00-0763			Kick Plate (08 71 11 00-0762) Note: Ives 8400.		
08 71 11 00-0764			Aluminum Base Material Kick Plate (08 71 11 00-0763)		
08 71 11 00-0765			Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0764)		
08 71 11 00-0766	EA		8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.77	9.53
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0767	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.32	9.53
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0768	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.81	9.53
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0769	EA		8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.33 1.76 11.40	9.53
08 71 11 00-0770	EA		8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.42 1.76 11.40	10.16
08 71 11 00-0771	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.89 1.76 11.40	10.16
08 71 11 00-0772	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.41 1.76 11.40	10.16
08 71 11 00-0773	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.92 1.76 11.40	10.16
08 71 11 00-0774	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.97 1.76 11.40	10.80
08 71 11 00-0775	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.49 1.76 11.40	10.80
08 71 11 00-0776	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.98 1.76 11.40	10.80
08 71 11 00-0777	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.08 1.76 11.40	11.43
08 71 11 00-0778	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.60 1.76 11.40	11.43
08 71 11 00-0779	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.09 1.76 11.40	11.43
08 71 11 00-0780	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.72 1.76 11.40	9.53
08 71 11 00-0781	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.87 1.76 11.40	9.53
08 71 11 00-0782	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.97 1.76 11.40	9.53
08 71 11 00-0783	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.13 1.76 11.40	9.53
08 71 11 00-0784	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.84 1.76 11.40	10.16
08 71 11 00-0785	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.96 1.76 11.40	10.16
08 71 11 00-0786	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.12 1.76 11.40	10.16
08 71 11 00-0787	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.25 1.76 11.40	10.16
08 71 11 00-0788	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.93 1.76 11.40	10.80
08 71 11 00-0789	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.06 1.76 11.40	10.80
08 71 11 00-0790	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.22 1.76 11.40	10.80
08 71 11 00-0791	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.93 1.76 11.40	11.43
08 71 11 00-0792	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.02 1.76 11.40	11.43
08 71 11 00-0793	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.18 1.76 11.40	11.43
08 71 11 00-0794	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.64 1.76 11.40	9.53
08 71 11 00-0795	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.37 1.76 11.40	9.53
08 71 11 00-0796	EA		12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.20 1.76 11.40	9.53

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0797	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.90 1.76 11.40	9.53
08 71 11 00-0798	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.25 1.76 11.40	10.16
08 71 11 00-0799	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.01 1.76 11.40	10.16
08 71 11 00-0800	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.78 1.76 11.40	10.16
08 71 11 00-0801	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.57 1.76 11.40	10.16
08 71 11 00-0802	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.87 1.76 11.40	10.80
08 71 11 00-0803	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.63 1.76 11.40	10.80
08 71 11 00-0804	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.42 1.76 11.40	10.80
08 71 11 00-0805	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.74 1.76 11.40	11.43
08 71 11 00-0806	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.50 1.76 11.40	11.43
08 71 11 00-0807	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.30 1.76 11.40	11.43
08 71 11 00-0808	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.05 1.76 11.40	10.16
08 71 11 00-0809	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.45 1.76 11.40	10.16
08 71 11 00-0810	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.91 1.76 11.40	10.16
08 71 11 00-0811	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.32 1.76 11.40	10.16
08 71 11 00-0812	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.22 1.76 11.40	10.80
08 71 11 00-0813	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.62 1.76 11.40	10.80
08 71 11 00-0814	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.02 1.76 11.40	10.80
08 71 11 00-0815	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.42 1.76 11.40	10.80
08 71 11 00-0816	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.38 1.76 11.40	11.43
08 71 11 00-0817	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.75 1.76 11.40	11.43
08 71 11 00-0818	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.15 1.76 11.40	11.43
08 71 11 00-0819	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.08 1.76 11.40	12.07
08 71 11 00-0820	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.51 1.76 11.40	12.07
08 71 11 00-0821	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.92 1.76 11.40	12.07
08 71 11 00-0822	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.00 1.76 11.40	10.16
08 71 11 00-0823	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.01 1.76 11.40	10.16
08 71 11 00-0824	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.08 1.76 11.40	10.16



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0825	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.09 1.76 11.40	10.16
08 71 11 00-0826	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.62 1.76 11.40	10.80
08 71 11 00-0827	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.70 1.76 11.40	10.80
08 71 11 00-0828	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.74 1.76 11.40	10.80
08 71 11 00-0829	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.75 1.76 11.40	10.80
08 71 11 00-0830	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.31 1.76 11.40	11.43
08 71 11 00-0831	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.38 1.76 11.40	11.43
08 71 11 00-0832	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.39 1.76 11.40	11.43
08 71 11 00-0833	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.93 1.76 11.40	12.07
08 71 11 00-0834	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.97 1.76 11.40	12.07
08 71 11 00-0835	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.03 1.76 11.40	12.07
08 71 11 00-0836	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.89 6.30 11.40	10.16
08 71 11 00-0837	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.92 6.30 11.40	10.16
08 71 11 00-0838	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.94 6.30 11.40	10.16
08 71 11 00-0839	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.96 6.30 11.40	10.16
08 71 11 00-0840	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.49 6.30 11.40	10.80
08 71 11 00-0841	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.51 6.30 11.40	10.80
08 71 11 00-0842	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.53 6.30 11.40	10.80
08 71 11 00-0843	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.56 6.30 11.40	10.80
08 71 11 00-0844	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.13 6.30 11.40	11.43
08 71 11 00-0845	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.16 6.30 11.40	11.43
08 71 11 00-0846	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.18 6.30 11.40	11.43
08 71 11 00-0847	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.73 6.30 11.40	12.07
08 71 11 00-0848	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.76 6.30 11.40	12.07
08 71 11 00-0849	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.78 6.30 11.40	12.07
08 71 11 00-0850	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.78 6.30 11.40	10.80
08 71 11 00-0851	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.47 6.30 11.40	10.80
08 71 11 00-0852	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.16 6.30 11.40	10.80

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0853	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....136.85	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0854	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....146.09	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0855	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....152.78	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0856	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....159.47	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0857	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....166.16	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0858	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....175.38	12.07	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0859	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....182.07	12.07	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0860	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....188.75	12.07	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0861	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....197.99	12.71	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0862	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....204.68	12.71	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0863	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....211.37	12.71	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0864	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....124.13	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0865	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....131.49	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0866	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....138.84	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0867	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....146.20	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0868	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....156.14	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0869	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....163.49	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0870	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....170.85	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0871	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....178.20	11.43	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0872	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....188.09	12.07	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0873	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....195.44	12.07	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0874	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....202.80	12.07	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0875	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....212.71	12.71	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0876	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....220.06	12.71	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0877	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....227.42	12.71	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0878	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....131.49	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0879	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....139.51	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0880	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....147.56	10.80	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0881	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.58 6.30 11.40	10.80
08 71 11 00-0882	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.16 6.30 11.40	11.43
08 71 11 00-0883	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.18 6.30 11.40	11.43
08 71 11 00-0884	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.20 6.30 11.40	11.43
08 71 11 00-0885	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.25 6.30 11.40	11.43
08 71 11 00-0886	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.80 6.30 11.40	12.07
08 71 11 00-0887	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.82 6.30 11.40	12.07
08 71 11 00-0888	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.85 6.30 11.40	12.07
08 71 11 00-0889	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.42 6.30 11.40	12.71
08 71 11 00-0890	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.47 6.30 11.40	12.71
08 71 11 00-0891	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.49 6.30 11.40	12.71
08 71 11 00-0892			Brass Base Material Kick Plate <small>(08 71 11 00-0763)</small>		
08 71 11 00-0893			Bright/Satin Brass Finish, Brass Kick Plate <small>(08 71 11 00-0892)</small>		
08 71 11 00-0894	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.26 1.76 11.40	9.53
08 71 11 00-0895	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.63 1.76 11.40	9.53
08 71 11 00-0896	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.03 1.76 11.40	9.53
08 71 11 00-0897	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.39 1.76 11.40	9.53
08 71 11 00-0898	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.31 1.76 11.40	10.16
08 71 11 00-0899	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.73 1.76 11.40	10.16
08 71 11 00-0900	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.10 1.76 11.40	10.16
08 71 11 00-0901	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.47 1.76 11.40	10.16
08 71 11 00-0902	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.37 1.76 11.40	10.80
08 71 11 00-0903	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.73 1.76 11.40	10.80
08 71 11 00-0904	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.10 1.76 11.40	10.80
08 71 11 00-0905	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.02 1.76 11.40	11.43
08 71 11 00-0906	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.44 1.76 11.40	11.43
08 71 11 00-0907	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.81 1.76 11.40	11.43
08 71 11 00-0908	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.32 1.76 11.40	9.53

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0909	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.76 1.76 11.40	9.53
08 71 11 00-0910	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.25 1.76 11.40	9.53
08 71 11 00-0911	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.72 1.76 11.40	9.53
08 71 11 00-0912	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.71 1.76 11.40	10.16
08 71 11 00-0913	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.20 1.76 11.40	10.16
08 71 11 00-0914	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.70 1.76 11.40	10.16
08 71 11 00-0915	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.16 1.76 11.40	10.16
08 71 11 00-0916	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.13 1.76 11.40	10.80
08 71 11 00-0917	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.63 1.76 11.40	10.80
08 71 11 00-0918	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.12 1.76 11.40	10.80
08 71 11 00-0919	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.11 1.76 11.40	11.43
08 71 11 00-0920	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.60 1.76 11.40	11.43
08 71 11 00-0921	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.07 1.76 11.40	11.43
08 71 11 00-0922	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.30 1.76 11.40	9.53
08 71 11 00-0923	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.92 1.76 11.40	9.53
08 71 11 00-0924	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.45 1.76 11.40	9.53
08 71 11 00-0925	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.02 1.76 11.40	9.53
08 71 11 00-0926	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.16 1.76 11.40	10.16
08 71 11 00-0927	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.73 1.76 11.40	10.16
08 71 11 00-0928	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.29 1.76 11.40	10.16
08 71 11 00-0929	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.83 1.76 11.40	10.16
08 71 11 00-0930	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.98 1.76 11.40	10.80
08 71 11 00-0931	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.52 1.76 11.40	10.80
08 71 11 00-0932	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.08 1.76 11.40	10.80
08 71 11 00-0933	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.20 1.76 11.40	11.43
08 71 11 00-0934	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.73 1.76 11.40	11.43
08 71 11 00-0935	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.36 1.76 11.40	11.43
08 71 11 00-0936	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.93 1.76 11.40	10.16



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0937	EA		14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.57 1.76 11.40	10.16
08 71 11 00-0938	EA		14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.23 1.76 11.40	10.16
08 71 11 00-0939	EA		14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.93 1.76 11.40	10.16
08 71 11 00-0940	EA		14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.12 1.76 11.40	10.80
08 71 11 00-0941	EA		14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.78 1.76 11.40	10.80
08 71 11 00-0942	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.42 1.76 11.40	10.80
08 71 11 00-0943	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.08 1.76 11.40	10.80
08 71 11 00-0944	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.30 1.76 11.40	11.43
08 71 11 00-0945	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.96 1.76 11.40	11.43
08 71 11 00-0946	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.60 1.76 11.40	11.43
08 71 11 00-0947	EA		14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	370.79 1.76 11.40	12.07
08 71 11 00-0948	EA		14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.48 1.76 11.40	12.07
08 71 11 00-0949	EA		14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.15 1.76 11.40	12.07
08 71 11 00-0950	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.48 1.76 11.40	10.16
08 71 11 00-0951	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.60 1.76 11.40	10.16
08 71 11 00-0952	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	327.67 1.76 11.40	10.16
08 71 11 00-0953	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	349.71 1.76 11.40	10.16
08 71 11 00-0954	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	374.31 1.76 11.40	10.80
08 71 11 00-0955	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	396.41 1.76 11.40	10.80
08 71 11 00-0956	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.51 1.76 11.40	10.80
08 71 11 00-0957	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	440.52 1.76 11.40	10.80
08 71 11 00-0958	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	465.19 1.76 11.40	11.43
08 71 11 00-0959	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	487.29 1.76 11.40	11.43
08 71 11 00-0960	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	509.36 1.76 11.40	11.43
08 71 11 00-0961	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	533.93 1.76 11.40	12.07
08 71 11 00-0962	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	556.00 1.76 11.40	12.07
08 71 11 00-0963	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	578.10 1.76 11.40	12.07
08 71 11 00-0964	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.36 6.30 11.40	10.16

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0965	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.14 6.30 11.40	10.16
08 71 11 00-0966	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.89 6.30 11.40	10.16
08 71 11 00-0967	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	387.73 6.30 11.40	10.16
08 71 11 00-0968	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	415.04 6.30 11.40	10.80
08 71 11 00-0969	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	439.79 6.30 11.40	10.80
08 71 11 00-0970	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	464.63 6.30 11.40	10.80
08 71 11 00-0971	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	489.38 6.30 11.40	10.80
08 71 11 00-0972	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	516.76 6.30 11.40	11.43
08 71 11 00-0973	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	541.55 6.30 11.40	11.43
08 71 11 00-0974	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	566.30 6.30 11.40	11.43
08 71 11 00-0975	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	593.66 6.30 11.40	12.07
08 71 11 00-0976	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	618.42 6.30 11.40	12.07
08 71 11 00-0977	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	643.20 6.30 11.40	12.07
08 71 11 00-0978	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	346.18 6.30 11.40	10.80
08 71 11 00-0979	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.70 6.30 11.40	10.80
08 71 11 00-0980	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	401.28 6.30 11.40	10.80
08 71 11 00-0981	EA		20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	428.77 6.30 11.40	10.80
08 71 11 00-0982	EA		20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	458.90 6.30 11.40	11.43
08 71 11 00-0983	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	486.45 6.30 11.40	11.43
08 71 11 00-0984	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	513.97 6.30 11.40	11.43
08 71 11 00-0985	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	541.55 6.30 11.40	11.43
08 71 11 00-0986	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	571.57 6.30 11.40	12.07
08 71 11 00-0987	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	599.15 6.30 11.40	12.07
08 71 11 00-0988	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	626.69 6.30 11.40	12.07
08 71 11 00-0989	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	656.77 6.30 11.40	12.71
08 71 11 00-0990	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	684.34 6.30 11.40	12.71
08 71 11 00-0991	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	711.84 6.30 11.40	12.71
08 71 11 00-0992	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.50 6.30 11.40	10.80



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0993 EA 22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	406.76 6.30 11.40	10.80
08 71 11 00-0994 EA 22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	437.05 6.30 11.40	10.80
08 71 11 00-0995 EA 22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	467.37 6.30 11.40	10.80
08 71 11 00-0996 EA 22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	500.21 6.30 11.40	11.43
08 71 11 00-0997 EA 22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	530.53 6.30 11.40	11.43
08 71 11 00-0998 EA 22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	560.82 6.30 11.40	11.43
08 71 11 00-0999 EA 22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	591.13 6.30 11.40	11.43
08 71 11 00-1000 EA 22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	623.93 6.30 11.40	12.07
08 71 11 00-1001 EA 22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	654.22 6.30 11.40	12.07
08 71 11 00-1002 EA 22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	684.53 6.30 11.40	12.07
08 71 11 00-1003 EA 22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	717.37 6.30 11.40	12.71
08 71 11 00-1004 EA 22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	747.69 6.30 11.40	12.71
08 71 11 00-1005 EA 22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	777.92 6.30 11.40	12.71
08 71 11 00-1006 EA 24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	406.76 6.30 11.40	10.80
08 71 11 00-1007 EA 24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	439.79 6.30 11.40	10.80
08 71 11 00-1008 EA 24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	472.88 6.30 11.40	10.80
08 71 11 00-1009 EA 24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	505.94 6.30 11.40	10.80
08 71 11 00-1010 EA 24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	541.55 6.30 11.40	11.43
08 71 11 00-1011 EA 24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	574.58 6.30 11.40	11.43
08 71 11 00-1012 EA 24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	607.63 6.30 11.40	11.43
08 71 11 00-1013 EA 24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	642.50 6.30 11.40	11.43
08 71 11 00-1014 EA 24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	676.25 6.30 11.40	12.07
08 71 11 00-1015 EA 24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	709.29 6.30 11.40	12.07
08 71 11 00-1016 EA 24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	742.34 6.30 11.40	12.07
08 71 11 00-1017 EA 24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	777.92 6.30 11.40	12.71
08 71 11 00-1018 EA 24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	811.04 6.30 11.40	12.71
08 71 11 00-1019 EA 24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	844.07 6.30 11.40	12.71

08 71 11 00-1020 Bright/Satin Chrome Finish, Stainless Kick Plate (08 71 11 00-0892)

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1021	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	140.02	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1022	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	149.28	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1023	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	158.55	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1024	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	167.82	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1025	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	179.63	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1026	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	188.87	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1027	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	198.14	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1028	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	207.40	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1029	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	219.20	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1030	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	228.50	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1031	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	237.76	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1032	EA		8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	249.58	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1033	EA		8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	258.85	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1034	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	268.12	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1035	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	165.51	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1036	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	177.08	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1037	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	188.66	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1038	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	200.24	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1039	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	214.39	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1040	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	225.97	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1041	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	237.54	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1042	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	249.12	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1043	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	263.23	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1044	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	274.80	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1045	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	286.38	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1046	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	300.51	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1047	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	312.08	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1048	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	323.66	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1049 EA 12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.97 1.76 11.40	9.53
08 71 11 00-1050 EA 12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.85 1.76 11.40	9.53
08 71 11 00-1051 EA 12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.80 1.76 11.40	9.53
08 71 11 00-1052 EA 12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.68 1.76 11.40	9.53
08 71 11 00-1053 EA 12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.12 1.76 11.40	10.16
08 71 11 00-1054 EA 12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.04 1.76 11.40	10.16
08 71 11 00-1055 EA 12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.92 1.76 11.40	10.16
08 71 11 00-1056 EA 12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	290.81 1.76 11.40	10.16
08 71 11 00-1057 EA 12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.22 1.76 11.40	10.80
08 71 11 00-1058 EA 12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.11 1.76 11.40	10.80
08 71 11 00-1059 EA 12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.02 1.76 11.40	10.80
08 71 11 00-1060 EA 12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.46 1.76 11.40	11.43
08 71 11 00-1061 EA 12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	365.40 1.76 11.40	11.43
08 71 11 00-1062 EA 12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.29 1.76 11.40	11.43
08 71 11 00-1063 EA 14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.98 1.76 11.40	10.16
08 71 11 00-1064 EA 14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.23 1.76 11.40	10.16
08 71 11 00-1065 EA 14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.46 1.76 11.40	10.16
08 71 11 00-1066 EA 14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.65 1.76 11.40	10.16
08 71 11 00-1067 EA 14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.38 1.76 11.40	10.80
08 71 11 00-1068 EA 14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.60 1.76 11.40	10.80
08 71 11 00-1069 EA 14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	318.80 1.76 11.40	10.80
08 71 11 00-1070 EA 14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.02 1.76 11.40	10.80
08 71 11 00-1071 EA 14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.83 1.76 11.40	11.43
08 71 11 00-1072 EA 14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	370.02 1.76 11.40	11.43
08 71 11 00-1073 EA 14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	386.22 1.76 11.40	11.43
08 71 11 00-1074 EA 14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	375.74 1.76 11.40	12.07
08 71 11 00-1075 EA 14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	421.17 1.76 11.40	12.07
08 71 11 00-1076 EA 14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	437.39 1.76 11.40	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1077	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.41 1.76 11.40	10.16
08 71 11 00-1078	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.14 1.76 11.40	10.16
08 71 11 00-1079	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	361.84 1.76 11.40	10.16
08 71 11 00-1080	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	386.54 1.76 11.40	10.16
08 71 11 00-1081	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.78 1.76 11.40	10.80
08 71 11 00-1082	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	438.48 1.76 11.40	10.80
08 71 11 00-1083	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	463.21 1.76 11.40	10.80
08 71 11 00-1084	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	487.91 1.76 11.40	10.80
08 71 11 00-1085	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	515.16 1.76 11.40	11.43
08 71 11 00-1086	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	539.87 1.76 11.40	11.43
08 71 11 00-1087	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	564.57 1.76 11.40	11.43
08 71 11 00-1088	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	591.80 1.76 11.40	12.07
08 71 11 00-1089	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	616.50 1.76 11.40	12.07
08 71 11 00-1090	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	641.20 1.76 11.40	12.07
08 71 11 00-1091	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.50 6.30 11.40	10.16
08 71 11 00-1092	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.24 6.30 11.40	10.16
08 71 11 00-1093	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.93 6.30 11.40	10.16
08 71 11 00-1094	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	428.67 6.30 11.40	10.16
08 71 11 00-1095	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	458.88 6.30 11.40	10.80
08 71 11 00-1096	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	486.60 6.30 11.40	10.80
08 71 11 00-1097	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	514.31 6.30 11.40	10.80
08 71 11 00-1098	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	542.02 6.30 11.40	10.80
08 71 11 00-1099	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	572.26 6.30 11.40	11.43
08 71 11 00-1100	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	600.00 6.30 11.40	11.43
08 71 11 00-1101	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	627.74 6.30 11.40	11.43
08 71 11 00-1102	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	657.95 6.30 11.40	12.07
08 71 11 00-1103	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	685.70 6.30 11.40	12.07
08 71 11 00-1104	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	713.38 6.30 11.40	12.07



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1105 EA 20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.88 6.30 11.40	10.80
08 71 11 00-1106 EA 20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	412.72 6.30 11.40	10.80
08 71 11 00-1107 EA 20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	443.48 6.30 11.40	10.80
08 71 11 00-1108 EA 20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.32 6.30 11.40	10.80
08 71 11 00-1109 EA 20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	507.62 6.30 11.40	11.43
08 71 11 00-1110 EA 20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	538.40 6.30 11.40	11.43
08 71 11 00-1111 EA 20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	569.22 6.30 11.40	11.43
08 71 11 00-1112 EA 20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	600.00 6.30 11.40	11.43
08 71 11 00-1113 EA 20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	633.37 6.30 11.40	12.07
08 71 11 00-1114 EA 20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	664.12 6.30 11.40	12.07
08 71 11 00-1115 EA 20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	694.90 6.30 11.40	12.07
08 71 11 00-1116 EA 20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	728.27 6.30 11.40	12.71
08 71 11 00-1117 EA 20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	759.05 6.30 11.40	12.71
08 71 11 00-1118 EA 20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	789.86 6.30 11.40	12.71
08 71 11 00-1119 EA 22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	415.76 6.30 11.40	10.80
08 71 11 00-1120 EA 22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	449.67 6.30 11.40	10.80
08 71 11 00-1121 EA 22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	483.53 6.30 11.40	10.80
08 71 11 00-1122 EA 22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	517.38 6.30 11.40	10.80
08 71 11 00-1123 EA 22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	553.84 6.30 11.40	11.43
08 71 11 00-1124 EA 22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	587.69 6.30 11.40	11.43
08 71 11 00-1125 EA 22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	621.57 6.30 11.40	11.43
08 71 11 00-1126 EA 22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	655.42 6.30 11.40	11.43
08 71 11 00-1127 EA 22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	691.86 6.30 11.40	12.07
08 71 11 00-1128 EA 22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	725.72 6.30 11.40	12.07
08 71 11 00-1129 EA 22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	759.60 6.30 11.40	12.07
08 71 11 00-1130 EA 22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	796.00 6.30 11.40	12.71
08 71 11 00-1131 EA 22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	829.85 6.30 11.40	12.71
08 71 11 00-1132 EA 22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	863.76 6.30 11.40	12.71

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1133	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	449.67	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1134	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	486.60	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1135	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	523.55	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1136	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	560.50	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1137	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	600.00	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1138	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	636.95	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1139	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	673.96	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1140	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	710.85	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1141	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	750.33	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1142	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	787.31	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1143	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	824.26	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1144	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	863.76	12.71
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1145	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	900.71	12.71
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1146	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	937.66	12.71
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1147			Satin/Dark Bronze Finish, Brass Kick Plate (08 71 11 00-0892)		
08 71 11 00-1148	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	141.53	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1149	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	150.89	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1150	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	160.34	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1151	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	169.69	9.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1152	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	181.69	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1153	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	191.07	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1154	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	200.49	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1155	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	209.88	10.16
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1156	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	221.76	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1157	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	231.21	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1158	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	240.59	10.80
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1159	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	252.56	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1160	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	261.95	11.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1161	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.36 1.76 11.40	11.43
08 71 11 00-1162	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.36 1.76 11.40	9.53
08 71 11 00-1163	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.14 1.76 11.40	9.53
08 71 11 00-1164	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.86 1.76 11.40	9.53
08 71 11 00-1165	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.60 1.76 11.40	9.53
08 71 11 00-1166	EA		10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.90 1.76 11.40	10.16
08 71 11 00-1167	EA		10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.68 1.76 11.40	10.16
08 71 11 00-1168	EA		10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.40 1.76 11.40	10.16
08 71 11 00-1169	EA		10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.14 1.76 11.40	10.16
08 71 11 00-1170	EA		10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.45 1.76 11.40	10.80
08 71 11 00-1171	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.20 1.76 11.40	10.80
08 71 11 00-1172	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.92 1.76 11.40	10.80
08 71 11 00-1173	EA		10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	304.27 1.76 11.40	11.43
08 71 11 00-1174	EA		10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.99 1.76 11.40	11.43
08 71 11 00-1175	EA		10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	327.74 1.76 11.40	11.43
08 71 11 00-1176	EA		12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.22 1.76 11.40	9.53
08 71 11 00-1177	EA		12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.33 1.76 11.40	9.53
08 71 11 00-1178	EA		12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.41 1.76 11.40	9.53
08 71 11 00-1179	EA		12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.51 1.76 11.40	9.53
08 71 11 00-1180	EA		12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.14 1.76 11.40	10.16
08 71 11 00-1181	EA		12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.28 1.76 11.40	10.16
08 71 11 00-1182	EA		12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.39 1.76 11.40	10.16
08 71 11 00-1183	EA		12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.47 1.76 11.40	10.16
08 71 11 00-1184	EA		12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.11 1.76 11.40	10.80
08 71 11 00-1185	EA		12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	325.19 1.76 11.40	10.80
08 71 11 00-1186	EA		12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	339.27 1.76 11.40	10.80
08 71 11 00-1187	EA		12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	355.93 1.76 11.40	11.43
08 71 11 00-1188	EA		12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	370.06 1.76 11.40	11.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1189	EA		12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	384.14 1.76 11.40	11.43
08 71 11 00-1190	EA		14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.59 1.76 11.40	10.16
08 71 11 00-1191	EA		14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.06 1.76 11.40	10.16
08 71 11 00-1192	EA		14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.50 1.76 11.40	10.16
08 71 11 00-1193	EA		14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.94 1.76 11.40	10.16
08 71 11 00-1194	EA		14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.92 1.76 11.40	10.80
08 71 11 00-1195	EA		14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	306.39 1.76 11.40	10.80
08 71 11 00-1196	EA		14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.83 1.76 11.40	10.80
08 71 11 00-1197	EA		14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	339.27 1.76 11.40	10.80
08 71 11 00-1198	EA		14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	358.29 1.76 11.40	11.43
08 71 11 00-1199	EA		14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	374.73 1.76 11.40	11.43
08 71 11 00-1200	EA		14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.17 1.76 11.40	11.43
08 71 11 00-1201	EA		14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	410.17 1.76 11.40	12.07
08 71 11 00-1202	EA		14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	426.67 1.76 11.40	12.07
08 71 11 00-1203	EA		14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	443.11 1.76 11.40	12.07
08 71 11 00-1204	EA		16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.64 1.76 11.40	10.16
08 71 11 00-1205	EA		16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.30 1.76 11.40	10.16
08 71 11 00-1206	EA		16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	360.93 1.76 11.40	10.16
08 71 11 00-1207	EA		16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.56 1.76 11.40	10.16
08 71 11 00-1208	EA		16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	412.72 1.76 11.40	10.80
08 71 11 00-1209	EA		16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	437.36 1.76 11.40	10.80
08 71 11 00-1210	EA		16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	462.02 1.76 11.40	10.80
08 71 11 00-1211	EA		16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	486.65 1.76 11.40	10.80
08 71 11 00-1212	EA		16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	513.83 1.76 11.40	11.43
08 71 11 00-1213	EA		16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	538.46 1.76 11.40	11.43
08 71 11 00-1214	EA		16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	563.09 1.76 11.40	11.43
08 71 11 00-1215	EA		16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	590.26 1.76 11.40	12.07
08 71 11 00-1216	EA		16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	614.89 1.76 11.40	12.07



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1217	EA		16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	639.52 1.76 11.40	12.07
08 71 11 00-1218	EA		18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.64 6.30 11.40	10.16
08 71 11 00-1219	EA		18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	372.30 6.30 11.40	10.16
08 71 11 00-1220	EA		18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	399.90 6.30 11.40	10.16
08 71 11 00-1221	EA		18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	427.57 6.30 11.40	10.16
08 71 11 00-1222	EA		18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	457.70 6.30 11.40	10.80
08 71 11 00-1223	EA		18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	485.34 6.30 11.40	10.80
08 71 11 00-1224	EA		18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	512.97 6.30 11.40	10.80
08 71 11 00-1225	EA		18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	540.61 6.30 11.40	10.80
08 71 11 00-1226	EA		18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	570.76 6.30 11.40	11.43
08 71 11 00-1227	EA		18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	598.42 6.30 11.40	11.43
08 71 11 00-1228	EA		18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	626.09 6.30 11.40	11.43
08 71 11 00-1229	EA		18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	656.22 6.30 11.40	12.07
08 71 11 00-1230	EA		18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	683.89 6.30 11.40	12.07
08 71 11 00-1231	EA		18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	711.49 6.30 11.40	12.07
08 71 11 00-1232	EA		20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	380.92 6.30 11.40	10.80
08 71 11 00-1233	EA		20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	411.68 6.30 11.40	10.80
08 71 11 00-1234	EA		20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	442.34 6.30 11.40	10.80
08 71 11 00-1235	EA		20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	473.09 6.30 11.40	10.80
08 71 11 00-1236	EA		20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	506.31 6.30 11.40	11.43
08 71 11 00-1237	EA		20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	537.00 6.30 11.40	11.43
08 71 11 00-1238	EA		20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	567.73 6.30 11.40	11.43
08 71 11 00-1239	EA		20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	598.42 6.30 11.40	11.43
08 71 11 00-1240	EA		20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	631.71 6.30 11.40	12.07
08 71 11 00-1241	EA		20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	662.37 6.30 11.40	12.07
08 71 11 00-1242	EA		20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	693.07 6.30 11.40	12.07
08 71 11 00-1243	EA		20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	726.34 6.30 11.40	12.71
08 71 11 00-1244	EA		20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	757.04 6.30 11.40	12.71

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1245 EA 20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	787.76 6.30 11.40	12.71
08 71 11 00-1246 EA 22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.71 6.30 11.40	10.80
08 71 11 00-1247 EA 22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	448.52 6.30 11.40	10.80
08 71 11 00-1248 EA 22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	482.28 6.30 11.40	10.80
08 71 11 00-1249 EA 22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	516.03 6.30 11.40	10.80
08 71 11 00-1250 EA 22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	552.40 6.30 11.40	11.43
08 71 11 00-1251 EA 22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	586.15 6.30 11.40	11.43
08 71 11 00-1252 EA 22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	619.94 6.30 11.40	11.43
08 71 11 00-1253 EA 22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	653.69 6.30 11.40	11.43
08 71 11 00-1254 EA 22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	690.04 6.30 11.40	12.07
08 71 11 00-1255 EA 22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	723.79 6.30 11.40	12.07
08 71 11 00-1256 EA 22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	757.58 6.30 11.40	12.07
08 71 11 00-1257 EA 22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	793.88 6.30 11.40	12.71
08 71 11 00-1258 EA 22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	827.64 6.30 11.40	12.71
08 71 11 00-1259 EA 22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	861.45 6.30 11.40	12.71
08 71 11 00-1260 EA 24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	448.52 6.30 11.40	10.80
08 71 11 00-1261 EA 24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	485.34 6.30 11.40	10.80
08 71 11 00-1262 EA 24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	522.18 6.30 11.40	10.80
08 71 11 00-1263 EA 24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	559.03 6.30 11.40	10.80
08 71 11 00-1264 EA 24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	598.42 6.30 11.40	11.43
08 71 11 00-1265 EA 24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	635.27 6.30 11.40	11.43
08 71 11 00-1266 EA 24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	672.17 6.30 11.40	11.43
08 71 11 00-1267 EA 24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	708.96 6.30 11.40	11.43
08 71 11 00-1268 EA 24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	748.34 6.30 11.40	12.07
08 71 11 00-1269 EA 24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	785.21 6.30 11.40	12.07
08 71 11 00-1270 EA 24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	822.06 6.30 11.40	12.07
08 71 11 00-1271 EA 24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	861.45 6.30 11.40	12.71
08 71 11 00-1272 EA 24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	898.30 6.30 11.40	12.71



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1273 EA 24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	935.14 6.30 11.40	12.71
08 71 11 00-1274 Satin Nickel Finish, Stainless Kick Plate (08 71 11 00-0892)		
08 71 11 00-1275 EA 8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.73 1.76 11.40	9.53
08 71 11 00-1276 EA 8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	153.28 1.76 11.40	9.53
08 71 11 00-1277 EA 8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	162.93 1.76 11.40	9.53
08 71 11 00-1278 EA 8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	172.48 1.76 11.40	9.53
08 71 11 00-1279 EA 8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	184.68 1.76 11.40	10.16
08 71 11 00-1280 EA 8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	194.26 1.76 11.40	10.16
08 71 11 00-1281 EA 8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	203.88 1.76 11.40	10.16
08 71 11 00-1282 EA 8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	213.46 1.76 11.40	10.16
08 71 11 00-1283 EA 8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	225.55 1.76 11.40	10.80
08 71 11 00-1284 EA 8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	235.19 1.76 11.40	10.80
08 71 11 00-1285 EA 8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	244.78 1.76 11.40	10.80
08 71 11 00-1286 EA 8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	256.94 1.76 11.40	11.43
08 71 11 00-1287 EA 8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	266.53 1.76 11.40	11.43
08 71 11 00-1288 EA 8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	276.14 1.76 11.40	11.43
08 71 11 00-1289 EA 10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	170.10 1.76 11.40	9.53
08 71 11 00-1290 EA 10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	182.13 1.76 11.40	9.53
08 71 11 00-1291 EA 10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	194.09 1.76 11.40	9.53
08 71 11 00-1292 EA 10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.09 1.76 11.40	9.53
08 71 11 00-1293 EA 10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	220.64 1.76 11.40	10.16
08 71 11 00-1294 EA 10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	232.66 1.76 11.40	10.16
08 71 11 00-1295 EA 10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	244.63 1.76 11.40	10.16
08 71 11 00-1296 EA 10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	256.63 1.76 11.40	10.16
08 71 11 00-1297 EA 10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	271.18 1.76 11.40	10.80
08 71 11 00-1298 EA 10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	283.18 1.76 11.40	10.80
08 71 11 00-1299 EA 10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	295.15 1.76 11.40	10.80
08 71 11 00-1300 EA 10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	309.75 1.76 11.40	11.43

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1301	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.72 1.76 11.40	11.43
08 71 11 00-1302	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.72 1.76 11.40	11.43
08 71 11 00-1303	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.51 1.76 11.40	9.53
08 71 11 00-1304	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.91 1.76 11.40	9.53
08 71 11 00-1305	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.29 1.76 11.40	9.53
08 71 11 00-1306	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.70 1.76 11.40	9.53
08 71 11 00-1307	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.63 1.76 11.40	10.16
08 71 11 00-1308	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.06 1.76 11.40	10.16
08 71 11 00-1309	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.47 1.76 11.40	10.16
08 71 11 00-1310	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	299.85 1.76 11.40	10.16
08 71 11 00-1311	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.79 1.76 11.40	10.80
08 71 11 00-1312	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.17 1.76 11.40	10.80
08 71 11 00-1313	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.54 1.76 11.40	10.80
08 71 11 00-1314	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.50 1.76 11.40	11.43
08 71 11 00-1315	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.94 1.76 11.40	11.43
08 71 11 00-1316	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.32 1.76 11.40	11.43
08 71 11 00-1317	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.43 1.76 11.40	10.16
08 71 11 00-1318	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.25 1.76 11.40	10.16
08 71 11 00-1319	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.04 1.76 11.40	10.16
08 71 11 00-1320	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	275.83 1.76 11.40	10.16
08 71 11 00-1321	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.15 1.76 11.40	10.80
08 71 11 00-1322	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.97 1.76 11.40	10.80
08 71 11 00-1323	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.75 1.76 11.40	10.80
08 71 11 00-1324	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.54 1.76 11.40	10.80
08 71 11 00-1325	EA		14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.91 1.76 11.40	11.43
08 71 11 00-1326	EA		14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.70 1.76 11.40	11.43
08 71 11 00-1327	EA		14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	398.49 1.76 11.40	11.43
08 71 11 00-1328	EA		14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	417.84 1.76 11.40	12.07



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1329 EA 14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	434.69 1.76 11.40	12.07
08 71 11 00-1330 EA 14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	451.48 1.76 11.40	12.07
08 71 11 00-1331 EA 16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.38 1.76 11.40	10.16
08 71 11 00-1332 EA 16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	342.57 1.76 11.40	10.16
08 71 11 00-1333 EA 16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	367.72 1.76 11.40	10.16
08 71 11 00-1334 EA 16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.88 1.76 11.40	10.16
08 71 11 00-1335 EA 16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	420.56 1.76 11.40	10.80
08 71 11 00-1336 EA 16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	445.71 1.76 11.40	10.80
08 71 11 00-1337 EA 16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	470.90 1.76 11.40	10.80
08 71 11 00-1338 EA 16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	496.05 1.76 11.40	10.80
08 71 11 00-1339 EA 16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	523.75 1.76 11.40	11.43
08 71 11 00-1340 EA 16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	548.91 1.76 11.40	11.43
08 71 11 00-1341 EA 16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	574.06 1.76 11.40	11.43
08 71 11 00-1342 EA 16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	601.75 1.76 11.40	12.07
08 71 11 00-1343 EA 16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	626.90 1.76 11.40	12.07
08 71 11 00-1344 EA 16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	652.05 1.76 11.40	12.07
08 71 11 00-1345 EA 18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.08 6.30 11.40	10.16
08 71 11 00-1346 EA 18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.33 6.30 11.40	10.16
08 71 11 00-1347 EA 18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	407.52 6.30 11.40	10.16
08 71 11 00-1348 EA 18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	435.77 6.30 11.40	10.16
08 71 11 00-1349 EA 18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	466.49 6.30 11.40	10.80
08 71 11 00-1350 EA 18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	494.71 6.30 11.40	10.80
08 71 11 00-1351 EA 18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	522.93 6.30 11.40	10.80
08 71 11 00-1352 EA 18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	551.15 6.30 11.40	10.80
08 71 11 00-1353 EA 18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	581.89 6.30 11.40	11.43
08 71 11 00-1354 EA 18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	610.14 6.30 11.40	11.43
08 71 11 00-1355 EA 18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	638.39 6.30 11.40	11.43
08 71 11 00-1356 EA 18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	669.11 6.30 11.40	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1357	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	697.36	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1358	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	725.55	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1359	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	388.08	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1360	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	419.49	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1361	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	450.80	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1362	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	482.21	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1363	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	516.07	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1364	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	547.42	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1365	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	578.80	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1366	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	610.14	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1367	EA		20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	644.08	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1368	EA		20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	675.39	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1369	EA		20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	706.74	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1370	EA		20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	740.66	12.71
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1371	EA		20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	772.01	12.71
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1372	EA		20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	803.38	12.71
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1373	EA		22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	422.58	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1374	EA		22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	457.11	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1375	EA		22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	491.59	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1376	EA		22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	526.06	10.80
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1377	EA		22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	563.14	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1378	EA		22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	597.61	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1379	EA		22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	632.11	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1380	EA		22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	666.58	11.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1381	EA		22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	703.64	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1382	EA		22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	738.11	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1383	EA		22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	772.61	12.07
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1384	EA		22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	809.64	12.71
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71 11 00-1385	EA		22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	844.11 6.30 11.40	12.71
	08 71 11 00-1386	EA		22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	878.64 6.30 11.40	12.71
	08 71 11 00-1387	EA		24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	457.11 6.30 11.40	10.80
	08 71 11 00-1388	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	494.71 6.30 11.40	10.80
	08 71 11 00-1389	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	532.34 6.30 11.40	10.80
	08 71 11 00-1390	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	569.96 6.30 11.40	10.80
	08 71 11 00-1391	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	610.14 6.30 11.40	11.43
	08 71 11 00-1392	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	647.77 6.30 11.40	11.43
	08 71 11 00-1393	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	685.45 6.30 11.40	11.43
	08 71 11 00-1394	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	723.02 6.30 11.40	11.43
	08 71 11 00-1395	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	763.18 6.30 11.40	12.07
	08 71 11 00-1396	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	800.83 6.30 11.40	12.07
	08 71 11 00-1397	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	838.46 6.30 11.40	12.07
	08 71 11 00-1398	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	878.64 6.30 11.40	12.71
	08 71 11 00-1399	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	916.27 6.30 11.40	12.71
	08 71 11 00-1400	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	953.89 6.30 11.40	12.71
	08 71 11 00-1401			Stainless Base Material Kick Plate (08 71 11 00-0763)		
	08 71 11 00-1402			Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1401)		
	08 71 11 00-1403	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.78 1.76 11.40	9.53
	08 71 11 00-1404	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.70 1.76 11.40	9.53
	08 71 11 00-1405	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.53 1.76 11.40	9.53
	08 71 11 00-1406	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.48 1.76 11.40	9.53
	08 71 11 00-1407	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.89 1.76 11.40	10.16
	08 71 11 00-1408	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.73 1.76 11.40	10.16
	08 71 11 00-1409	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.67 1.76 11.40	10.16
	08 71 11 00-1410	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.53 1.76 11.40	10.16
	08 71 11 00-1411	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.95 1.76 11.40	10.80
	08 71 11 00-1412	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.84 1.76 11.40	10.80

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1413	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.70 1.76 11.40	10.80
08 71 11 00-1414	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.14 1.76 11.40	11.43
08 71 11 00-1415	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.03 1.76 11.40	11.43
08 71 11 00-1416	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.90 1.76 11.40	11.43
08 71 11 00-1417	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.71 1.76 11.40	9.53
08 71 11 00-1418	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.34 1.76 11.40	9.53
08 71 11 00-1419	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.95 1.76 11.40	9.53
08 71 11 00-1420	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.52 1.76 11.40	9.53
08 71 11 00-1421	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.71 1.76 11.40	10.16
08 71 11 00-1422	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.31 1.76 11.40	10.16
08 71 11 00-1423	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.89 1.76 11.40	10.16
08 71 11 00-1424	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.47 1.76 11.40	10.16
08 71 11 00-1425	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.66 1.76 11.40	10.80
08 71 11 00-1426	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.23 1.76 11.40	10.80
08 71 11 00-1427	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.81 1.76 11.40	10.80
08 71 11 00-1428	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.00 1.76 11.40	11.43
08 71 11 00-1429	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.60 1.76 11.40	11.43
08 71 11 00-1430	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.18 1.76 11.40	11.43
08 71 11 00-1431	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.66 1.76 11.40	9.53
08 71 11 00-1432	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.98 1.76 11.40	9.53
08 71 11 00-1433	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.30 1.76 11.40	9.53
08 71 11 00-1434	EA		12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.62 1.76 11.40	9.53
08 71 11 00-1435	EA		12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.47 1.76 11.40	10.16
08 71 11 00-1436	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.82 1.76 11.40	10.16
08 71 11 00-1437	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.11 1.76 11.40	10.16
08 71 11 00-1438	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.46 1.76 11.40	10.16
08 71 11 00-1439	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.28 1.76 11.40	10.80
08 71 11 00-1440	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.63 1.76 11.40	10.80



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1441	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.98 1.76 11.40	10.80
08 71 11 00-1442	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.82 1.76 11.40	11.43
08 71 11 00-1443	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.17 1.76 11.40	11.43
08 71 11 00-1444	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.46 1.76 11.40	11.43
08 71 11 00-1445	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.14 1.76 11.40	10.16
08 71 11 00-1446	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.17 1.76 11.40	10.16
08 71 11 00-1447	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.24 1.76 11.40	10.16
08 71 11 00-1448	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.27 1.76 11.40	10.16
08 71 11 00-1449	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.81 1.76 11.40	10.80
08 71 11 00-1450	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.88 1.76 11.40	10.80
08 71 11 00-1451	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.91 1.76 11.40	10.80
08 71 11 00-1452	EA		14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.98 1.76 11.40	10.80
08 71 11 00-1453	EA		14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.59 1.76 11.40	11.43
08 71 11 00-1454	EA		14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.57 1.76 11.40	11.43
08 71 11 00-1455	EA		14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.63 1.76 11.40	11.43
08 71 11 00-1456	EA		14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.23 1.76 11.40	12.07
08 71 11 00-1457	EA		14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.26 1.76 11.40	12.07
08 71 11 00-1458	EA		14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.33 1.76 11.40	12.07
08 71 11 00-1459	EA		16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.21 1.76 11.40	10.16
08 71 11 00-1460	EA		16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.65 1.76 11.40	10.16
08 71 11 00-1461	EA		16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.83 1.76 11.40	10.16
08 71 11 00-1462	EA		16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.98 1.76 11.40	10.16
08 71 11 00-1463	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.66 1.76 11.40	10.80
08 71 11 00-1464	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.84 1.76 11.40	10.80
08 71 11 00-1465	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.02 1.76 11.40	10.80
08 71 11 00-1466	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.18 1.76 11.40	10.80
08 71 11 00-1467	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.88 1.76 11.40	11.43
08 71 11 00-1468	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.09 1.76 11.40	11.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1469	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.27 1.76 11.40	11.43
08 71 11 00-1470	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.46 1.76 11.40	12.07
08 71 11 00-1471	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.10 1.76 11.40	12.07
08 71 11 00-1472	EA		16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.28 1.76 11.40	12.07
08 71 11 00-1473	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.25 6.30 11.40	10.16
08 71 11 00-1474	EA		18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.06 6.30 11.40	10.16
08 71 11 00-1475	EA		18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.81 6.30 11.40	10.16
08 71 11 00-1476	EA		18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.59 6.30 11.40	10.16
08 71 11 00-1477	EA		18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.93 6.30 11.40	10.80
08 71 11 00-1478	EA		18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.69 6.30 11.40	10.80
08 71 11 00-1479	EA		18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.47 6.30 11.40	10.80
08 71 11 00-1480	EA		18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.22 6.30 11.40	10.80
08 71 11 00-1481	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.58 6.30 11.40	11.43
08 71 11 00-1482	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.36 6.30 11.40	11.43
08 71 11 00-1483	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.11 6.30 11.40	11.43
08 71 11 00-1484	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.45 6.30 11.40	12.07
08 71 11 00-1485	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.26 6.30 11.40	12.07
08 71 11 00-1486	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.02 6.30 11.40	12.07
08 71 11 00-1487	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.08 6.30 11.40	10.80
08 71 11 00-1488	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.60 6.30 11.40	10.80
08 71 11 00-1489	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.16 6.30 11.40	10.80
08 71 11 00-1490	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.65 6.30 11.40	10.80
08 71 11 00-1491	EA		20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.76 6.30 11.40	11.43
08 71 11 00-1492	EA		20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.31 6.30 11.40	11.43
08 71 11 00-1493	EA		20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.81 6.30 11.40	11.43
08 71 11 00-1494	EA		20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.36 6.30 11.40	11.43
08 71 11 00-1495	EA		20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.42 6.30 11.40	12.07
08 71 11 00-1496	EA		20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.97 6.30 11.40	12.07



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1497	EA		20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.52 6.30 11.40	12.07
08 71 11 00-1498	EA		20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.57 6.30 11.40	12.71
08 71 11 00-1499	EA		20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.12 6.30 11.40	12.71
08 71 11 00-1500	EA		20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.65 6.30 11.40	12.71
08 71 11 00-1501	EA		22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.35 6.30 11.40	10.80
08 71 11 00-1502	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.67 6.30 11.40	10.80
08 71 11 00-1503	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.91 6.30 11.40	10.80
08 71 11 00-1504	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.24 6.30 11.40	10.80
08 71 11 00-1505	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.03 6.30 11.40	11.43
08 71 11 00-1506	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.36 6.30 11.40	11.43
08 71 11 00-1507	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.63 6.30 11.40	11.43
08 71 11 00-1508	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.92 6.30 11.40	11.43
08 71 11 00-1509	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.72 6.30 11.40	12.07
08 71 11 00-1510	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.02 6.30 11.40	12.07
08 71 11 00-1511	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.35 6.30 11.40	12.07
08 71 11 00-1512	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.14 6.30 11.40	12.71
08 71 11 00-1513	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.46 6.30 11.40	12.71
08 71 11 00-1514	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.70 6.30 11.40	12.71
08 71 11 00-1515	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.67 6.30 11.40	10.80
08 71 11 00-1516	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.69 6.30 11.40	10.80
08 71 11 00-1517	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.76 6.30 11.40	10.80
08 71 11 00-1518	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.77 6.30 11.40	10.80
08 71 11 00-1519	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.36 6.30 11.40	11.43
08 71 11 00-1520	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.40 6.30 11.40	11.43
08 71 11 00-1521	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.44 6.30 11.40	11.43
08 71 11 00-1522	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.49 6.30 11.40	11.43
08 71 11 00-1523	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.06 6.30 11.40	12.07
08 71 11 00-1524	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.10 6.30 11.40	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1525	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.14 6.30 11.40	12.07
08 71 11 00-1526	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.70 6.30 11.40	12.71
08 71 11 00-1527	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.77 6.30 11.40	12.71
08 71 11 00-1528	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.84 6.30 11.40	12.71
08 71 11 00-1529 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1401)					
08 71 11 00-1530	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.68 1.76 11.40	9.53
08 71 11 00-1531	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.49 1.76 11.40	9.53
08 71 11 00-1532	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.25 1.76 11.40	9.53
08 71 11 00-1533	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.03 1.76 11.40	9.53
08 71 11 00-1534	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.33 1.76 11.40	10.16
08 71 11 00-1535	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.14 1.76 11.40	10.16
08 71 11 00-1536	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.90 1.76 11.40	10.16
08 71 11 00-1537	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.71 1.76 11.40	10.16
08 71 11 00-1538	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.96 1.76 11.40	10.80
08 71 11 00-1539	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.77 1.76 11.40	10.80
08 71 11 00-1540	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.58 1.76 11.40	10.80
08 71 11 00-1541	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.89 1.76 11.40	11.43
08 71 11 00-1542	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.67 1.76 11.40	11.43
08 71 11 00-1543	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.42 1.76 11.40	11.43
08 71 11 00-1544	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.33 1.76 11.40	9.53
08 71 11 00-1545	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.78 1.76 11.40	9.53
08 71 11 00-1546	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.29 1.76 11.40	9.53
08 71 11 00-1547	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.77 1.76 11.40	9.53
08 71 11 00-1548	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.77 1.76 11.40	10.16
08 71 11 00-1549	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.24 1.76 11.40	10.16
08 71 11 00-1550	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.75 1.76 11.40	10.16
08 71 11 00-1551	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.23 1.76 11.40	10.16
08 71 11 00-1552	EA		10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.21 1.76 11.40	10.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1553 EA 10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.68 1.76 11.40	10.80
08 71 11 00-1554 EA 10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.19 1.76 11.40	10.80
08 71 11 00-1555 EA 10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.16 1.76 11.40	11.43
08 71 11 00-1556 EA 10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.67 1.76 11.40	11.43
08 71 11 00-1557 EA 10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.14 1.76 11.40	11.43
08 71 11 00-1558 EA 12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.96 1.76 11.40	9.53
08 71 11 00-1559 EA 12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.16 1.76 11.40	9.53
08 71 11 00-1560 EA 12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.33 1.76 11.40	9.53
08 71 11 00-1561 EA 12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.50 1.76 11.40	9.53
08 71 11 00-1562 EA 12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.23 1.76 11.40	10.16
08 71 11 00-1563 EA 12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.34 1.76 11.40	10.16
08 71 11 00-1564 EA 12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.54 1.76 11.40	10.16
08 71 11 00-1565 EA 12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.72 1.76 11.40	10.16
08 71 11 00-1566 EA 12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.42 1.76 11.40	10.80
08 71 11 00-1567 EA 12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.59 1.76 11.40	10.80
08 71 11 00-1568 EA 12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.74 1.76 11.40	10.80
08 71 11 00-1569 EA 12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.49 1.76 11.40	11.43
08 71 11 00-1570 EA 12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.63 1.76 11.40	11.43
08 71 11 00-1571 EA 12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.81 1.76 11.40	11.43
08 71 11 00-1572 EA 14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.19 1.76 11.40	10.16
08 71 11 00-1573 EA 14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.05 1.76 11.40	10.16
08 71 11 00-1574 EA 14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.92 1.76 11.40	10.16
08 71 11 00-1575 EA 14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.79 1.76 11.40	10.16
08 71 11 00-1576 EA 14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.19 1.76 11.40	10.80
08 71 11 00-1577 EA 14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.03 1.76 11.40	10.80
08 71 11 00-1578 EA 14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.90 1.76 11.40	10.80
08 71 11 00-1579 EA 14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.74 1.76 11.40	10.80
08 71 11 00-1580 EA 14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.18 1.76 11.40	11.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1581	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	283.05 1.76 11.40	11.43
08 71 11 00-1582	EA		14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	294.92 1.76 11.40	11.43
08 71 11 00-1583	EA		14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	309.32 1.76 11.40	12.07
08 71 11 00-1584	EA		14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	321.13 1.76 11.40	12.07
08 71 11 00-1585	EA		14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	333.00 1.76 11.40	12.07
08 71 11 00-1586	EA		16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	189.81 1.76 11.40	10.16
08 71 11 00-1587	EA		16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	203.34 1.76 11.40	10.16
08 71 11 00-1588	EA		16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	216.96 1.76 11.40	10.16
08 71 11 00-1589	EA		16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	230.50 1.76 11.40	10.16
08 71 11 00-1590	EA		16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	246.59 1.76 11.40	10.80
08 71 11 00-1591	EA		16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	260.16 1.76 11.40	10.80
08 71 11 00-1592	EA		16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	273.69 1.76 11.40	10.80
08 71 11 00-1593	EA		16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	287.26 1.76 11.40	10.80
08 71 11 00-1594	EA		16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	303.37 1.76 11.40	11.43
08 71 11 00-1595	EA		16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	316.91 1.76 11.40	11.43
08 71 11 00-1596	EA		16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	330.47 1.76 11.40	11.43
08 71 11 00-1597	EA		16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	346.56 1.76 11.40	12.07
08 71 11 00-1598	EA		16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	360.16 1.76 11.40	12.07
08 71 11 00-1599	EA		16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	373.72 1.76 11.40	12.07
08 71 11 00-1600	EA		18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	210.45 6.30 11.40	10.16
08 71 11 00-1601	EA		18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	225.94 6.30 11.40	10.16
08 71 11 00-1602	EA		18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	241.32 6.30 11.40	10.16
08 71 11 00-1603	EA		18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	256.81 6.30 11.40	10.16
08 71 11 00-1604	EA		18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	274.77 6.30 11.40	10.80
08 71 11 00-1605	EA		18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	290.15 6.30 11.40	10.80
08 71 11 00-1606	EA		18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	305.64 6.30 11.40	10.80
08 71 11 00-1607	EA		18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	329.85 6.30 11.40	10.80
08 71 11 00-1608	EA		18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	339.06 6.30 11.40	11.43



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1609	EA		18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.50 6.30 11.40	11.43
08 71 11 00-1610	EA		18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.93 6.30 11.40	11.43
08 71 11 00-1611	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	387.90 6.30 11.40	12.07
08 71 11 00-1612	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	403.33 6.30 11.40	12.07
08 71 11 00-1613	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.77 6.30 11.40	12.07
08 71 11 00-1614	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.89 6.30 11.40	10.80
08 71 11 00-1615	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.02 6.30 11.40	10.80
08 71 11 00-1616	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.18 6.30 11.40	10.80
08 71 11 00-1617	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.31 6.30 11.40	10.80
08 71 11 00-1618	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.02 6.30 11.40	11.43
08 71 11 00-1619	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.21 6.30 11.40	11.43
08 71 11 00-1620	EA		20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.31 6.30 11.40	11.43
08 71 11 00-1621	EA		20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.50 6.30 11.40	11.43
08 71 11 00-1622	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	374.13 6.30 11.40	12.07
08 71 11 00-1623	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.32 6.30 11.40	12.07
08 71 11 00-1624	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	408.48 6.30 11.40	12.07
08 71 11 00-1625	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	428.16 6.30 11.40	12.71
08 71 11 00-1626	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	445.32 6.30 11.40	12.71
08 71 11 00-1627	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	462.45 6.30 11.40	12.71
08 71 11 00-1628	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.74 6.30 11.40	10.80
08 71 11 00-1629	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.60 6.30 11.40	10.80
08 71 11 00-1630	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.45 6.30 11.40	10.80
08 71 11 00-1631	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.31 6.30 11.40	10.80
08 71 11 00-1632	EA		22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.74 6.30 11.40	11.43
08 71 11 00-1633	EA		22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.63 6.30 11.40	11.43
08 71 11 00-1634	EA		22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.51 6.30 11.40	11.43
08 71 11 00-1635	EA		22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.37 6.30 11.40	11.43
08 71 11 00-1636	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	406.75 6.30 11.40	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1637 EA 22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	425.61	12.07
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1638 EA 22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	444.46	12.07
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1639 EA 22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	465.87	12.71
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1640 EA 22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	484.78	12.71
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1641 EA 22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	503.64	12.71
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1642 EA 24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	269.60	10.80
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1643 EA 24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	290.15	10.80
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1644 EA 24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	310.76	10.80
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1645 EA 24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	331.34	10.80
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1646 EA 24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	354.50	11.43
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1647 EA 24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	375.05	11.43
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1648 EA 24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	395.63	11.43
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1649 EA 24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	416.24	11.43
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1650 EA 24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	439.35	12.07
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1651 EA 24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	459.90	12.07
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1652 EA 24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	480.51	12.07
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1653 EA 24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	503.64	12.71
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1654 EA 24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	524.25	12.71
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1655 EA 24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	544.80	12.71
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1656 Plastic Kick Plate (08 71 11 00-0763)		
08 71 11 00-1657 Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1656)		
Note: With four beveled edges.		
08 71 11 00-1658 EA 8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.61	9.53
08 71 11 00-1659 EA 8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.71	9.53
08 71 11 00-1660 EA 8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.89	9.53
08 71 11 00-1661 EA 8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.02	9.53
08 71 11 00-1662 EA 8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.72	10.16
08 71 11 00-1663 EA 8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.85	10.16
08 71 11 00-1664 EA 8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.95	10.16
08 71 11 00-1665 EA 8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.13	10.16
08 71 11 00-1666 EA 8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.38	10.80
08 71 11 00-1667 EA 8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.89	10.80
08 71 11 00-1668 EA 8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.07	10.80
08 71 11 00-1669 EA 8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.75	11.43
08 71 11 00-1670 EA 8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.90	11.43
08 71 11 00-1671 EA 8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	97.03	11.43
08 71 11 00-1672 EA 10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.48	9.53
08 71 11 00-1673 EA 10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.17	9.53
08 71 11 00-1674 EA 10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.82	9.53
08 71 11 00-1675 EA 10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.47	9.53
08 71 11 00-1676 EA 10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.71	10.16
08 71 11 00-1677 EA 10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.36	10.16
08 71 11 00-1678 EA 10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.06	10.16



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1679	EA			10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.70	10.16
08 71 11 00-1680	EA			10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.93	10.80
08 71 11 00-1681	EA			10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.58	10.80
08 71 11 00-1682	EA			10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.28	10.80
08 71 11 00-1683	EA			10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.47	11.43
08 71 11 00-1684	EA			10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.17	11.43
08 71 11 00-1685	EA			10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.82	11.43
08 71 11 00-1686	EA			12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.36	9.53
08 71 11 00-1687	EA			12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.58	9.53
08 71 11 00-1688	EA			12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.75	9.53
08 71 11 00-1689	EA			12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.99	9.53
08 71 11 00-1690	EA			12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.70	10.16
08 71 11 00-1691	EA			12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.95	10.16
08 71 11 00-1692	EA			12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.16	10.16
08 71 11 00-1693	EA			12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.35	10.16
08 71 11 00-1694	EA			12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.05	10.80
08 71 11 00-1695	EA			12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.27	10.80
08 71 11 00-1696	EA			12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.51	10.80
08 71 11 00-1697	EA			12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.22	11.43
08 71 11 00-1698	EA			12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	119.47	11.43
08 71 11 00-1699	EA			12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.63	11.43
08 71 11 00-1700	EA			14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.78	10.16
08 71 11 00-1701	EA			14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.54	10.16
08 71 11 00-1702	EA			14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.25	10.16
08 71 11 00-1703	EA			14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.01	10.16
08 71 11 00-1704	EA			14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.28	10.80
08 71 11 00-1705	EA			14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.98	10.80
08 71 11 00-1706	EA			14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.75	10.80
08 71 11 00-1707	EA			14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.51	10.80
08 71 11 00-1708	EA			14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.77	11.43
08 71 11 00-1709	EA			14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.53	11.43
08 71 11 00-1710	EA			14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.26	11.43
08 71 11 00-1711	EA			14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.50	12.07
08 71 11 00-1712	EA			14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	134.27	12.07
08 71 11 00-1713	EA			14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.97	12.07
08 71 11 00-1714	EA			16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.70	10.16
08 71 11 00-1715	EA			16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.62	10.16
08 71 11 00-1716	EA			16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.48	10.16
08 71 11 00-1717	EA			16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.40	10.16
08 71 11 00-1718	EA			16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.86	10.80
08 71 11 00-1719	EA			16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.77	10.80
08 71 11 00-1720	EA			16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.69	10.80
08 71 11 00-1721	EA			16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.57	10.80
08 71 11 00-1722	EA			16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.05	11.43
08 71 11 00-1723	EA			16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.95	11.43
08 71 11 00-1724	EA			16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	148.88	11.43
08 71 11 00-1725	EA			16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.34	12.07
08 71 11 00-1726	EA			16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.19	12.07
08 71 11 00-1727	EA			16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.12	12.07
08 71 11 00-1728	EA			18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.41	10.16
08 71 11 00-1729	EA			18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.97	10.16
08 71 11 00-1730	EA			18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.47	10.16
08 71 11 00-1731	EA			18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.02	10.16
08 71 11 00-1732	EA			18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.70	10.80
08 71 11 00-1733	EA			18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.57	10.80
08 71 11 00-1734	EA			18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.12	10.80
08 71 11 00-1735	EA			18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	142.62	10.80
08 71 11 00-1736	EA			18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.72	11.43
08 71 11 00-1737	EA			18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.25	11.43
08 71 11 00-1738	EA			18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.75	11.43
08 71 11 00-1739	EA			18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.83	12.07
08 71 11 00-1740	EA			18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	175.33	12.07
08 71 11 00-1741	EA			18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	180.88	12.07
08 71 11 00-1742	EA			20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.72	10.80
08 71 11 00-1743	EA			20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.86	10.80
08 71 11 00-1744	EA			20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.99	10.80
08 71 11 00-1745	EA			20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.13	10.80
08 71 11 00-1746	EA			20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.83	11.43
08 71 11 00-1747	EA			20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.95	11.43
08 71 11 00-1748	EA			20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.10	11.43
08 71 11 00-1749	EA			20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.25	11.43
08 71 11 00-1750	EA			20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.90	12.07
08 71 11 00-1751	EA			20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.05	12.07
08 71 11 00-1752	EA			20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.17	12.07
08 71 11 00-1753	EA			20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	185.87	12.71
08 71 11 00-1754	EA			20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	192.02	12.71
08 71 11 00-1755	EA			20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	198.14	12.71
08 71 11 00-1756	EA			22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.49	10.80
08 71 11 00-1757	EA			22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.20	10.80
08 71 11 00-1758	EA			22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.98	10.80
08 71 11 00-1759	EA			22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.69	10.80

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1760 EA 22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	147.04	11.43
08 71 11 00-1761 EA 22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	153.81	11.43
08 71 11 00-1762 EA 22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	160.53	11.43
08 71 11 00-1763 EA 22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	167.30	11.43
08 71 11 00-1764 EA 22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	176.55	12.07
08 71 11 00-1765 EA 22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	183.32	12.07
08 71 11 00-1766 EA 22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	190.09	12.07
08 71 11 00-1767 EA 22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	199.36	12.71
08 71 11 00-1768 EA 22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	206.13	12.71
08 71 11 00-1769 EA 22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	212.85	12.71
08 71 11 00-1770 EA 24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	124.20	10.80
08 71 11 00-1771 EA 24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	131.57	10.80
08 71 11 00-1772 EA 24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	138.97	10.80
08 71 11 00-1773 EA 24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	146.33	10.80
08 71 11 00-1774 EA 24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	156.25	11.43
08 71 11 00-1775 EA 24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	163.59	11.43
08 71 11 00-1776 EA 24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	170.96	11.43
08 71 11 00-1777 EA 24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	178.35	11.43
08 71 11 00-1778 EA 24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	188.25	12.07
08 71 11 00-1779 EA 24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	195.59	12.07
08 71 11 00-1780 EA 24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	202.96	12.07
08 71 11 00-1781 EA 24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	212.85	12.71
08 71 11 00-1782 EA 24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	220.27	12.71
08 71 11 00-1783 EA 24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	227.64	12.71
08 71 11 00-1784 Mop Plate (08 71 11 00-0762) Note: Ives 8400.		
08 71 11 00-1785 Aluminum Base Material Mop Plate (08 71 11 00-1784)		
08 71 11 00-1786 Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1785)		
08 71 11 00-1787 EA 4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	53.53	9.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1788 EA 4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	55.06	9.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1789 EA 4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	56.53	9.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1790 EA 4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	58.06	9.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1791 EA 4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	61.12	9.66
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1792 EA 4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	62.59	9.66
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1793 EA 4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	64.12	9.66
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1794 EA 4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	65.59	9.66
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1795 EA 4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	69.29	10.16
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1796 EA 4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	70.79	10.16
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1797 EA 4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	72.29	10.16
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1798 EA 4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	76.32	10.80
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1799 EA 4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	77.85	10.80
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1800 EA 4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	79.32	10.80
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1801 EA 6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	61.81	9.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1802 EA 6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	64.06	9.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1803 EA 6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	66.34	9.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.59		9.28
			1.76		
			11.40		
08 71 11 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.40		9.66
			1.76		
			11.40		
08 71 11 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.62		9.66
			1.76		
			11.40		
08 71 11 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.93		9.66
			1.76		
			11.40		
08 71 11 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.16		9.66
			1.76		
			11.40		
08 71 11 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.61		10.16
			1.76		
			11.40		
08 71 11 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.86		10.16
			1.76		
			11.40		
08 71 11 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.14		10.16
			1.76		
			11.40		
08 71 11 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.92		10.80
			1.76		
			11.40		
08 71 11 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.20		10.80
			1.76		
			11.40		
08 71 11 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.42		10.80
			1.76		
			11.40		
08 71 11 00-1815		Brass Base Material Mop Plate <small>(08 71 11 00-1784)</small>			
08 71 11 00-1816		Bright/Satin Brass Finish, Brass Mop Plate <small>(08 71 11 00-1815)</small>			
08 71 11 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.63		9.28
			1.76		
			11.40		
08 71 11 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.10		9.28
			1.76		
			11.40		
08 71 11 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.52		9.28
			1.76		
			11.40		
08 71 11 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.96		9.28
			1.76		
			11.40		
08 71 11 00-1821	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.91		9.66
			1.76		
			11.40		
08 71 11 00-1822	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.32		9.66
			1.76		
			11.40		
08 71 11 00-1823	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.76		9.66
			1.76		
			11.40		
08 71 11 00-1824	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.18		9.66
			1.76		
			11.40		
08 71 11 00-1825	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.79		10.16
			1.76		
			11.40		
08 71 11 00-1826	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.21		10.16
			1.76		
			11.40		
08 71 11 00-1827	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.62		10.16
			1.76		
			11.40		
08 71 11 00-1828	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.59		10.80
			1.76		
			11.40		
08 71 11 00-1829	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.01		10.80
			1.76		
			11.40		
08 71 11 00-1830	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.48		10.80
			1.76		
			11.40		
08 71 11 00-1831	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.03		9.28
			1.76		
			11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1832	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.65 1.76 11.40	9.28
08 71 11 00-1833	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.30 1.76 11.40	9.28
08 71 11 00-1834	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.92 1.76 11.40	9.28
08 71 11 00-1835	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.10 1.76 11.40	9.66
08 71 11 00-1836	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.78 1.76 11.40	9.66
08 71 11 00-1837	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.37 1.76 11.40	9.66
08 71 11 00-1838	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.05 1.76 11.40	9.66
08 71 11 00-1839	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.81 1.76 11.40	10.16
08 71 11 00-1840	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.49 1.76 11.40	10.16
08 71 11 00-1841	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.14 1.76 11.40	10.16
08 71 11 00-1842	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.30 1.76 11.40	10.80
08 71 11 00-1843	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.95 1.76 11.40	10.80
08 71 11 00-1844	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.57 1.76 11.40	10.80
08 71 11 00-1845			Bright/Satin Chrome Finish, Stainless Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1846	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.49 1.76 11.40	9.28
08 71 11 00-1847	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.33 1.76 11.40	9.28
08 71 11 00-1848	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.20 1.76 11.40	9.28
08 71 11 00-1849	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.07 1.76 11.40	9.28
08 71 11 00-1850	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.44 1.76 11.40	9.66
08 71 11 00-1851	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.32 1.76 11.40	9.66
08 71 11 00-1852	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.19 1.76 11.40	9.66
08 71 11 00-1853	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.03 1.76 11.40	9.66
08 71 11 00-1854	EA		4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.07 1.76 11.40	10.16
08 71 11 00-1855	EA		4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.97 1.76 11.40	10.16
08 71 11 00-1856	EA		4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.84 1.76 11.40	10.16
08 71 11 00-1857	EA		4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.24 1.76 11.40	10.80
08 71 11 00-1858	EA		4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.09 1.76 11.40	10.80
08 71 11 00-1859	EA		4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.96 1.76 11.40	10.80



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1860 EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.24 1.76 11.40	9.28
08 71 11 00-1861 EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.50 1.76 11.40	9.28
08 71 11 00-1862 EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.82 1.76 11.40	9.28
08 71 11 00-1863 EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.14 1.76 11.40	9.28
08 71 11 00-1864 EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.94 1.76 11.40	9.66
08 71 11 00-1865 EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.26 1.76 11.40	9.66
08 71 11 00-1866 EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.52 1.76 11.40	9.66
08 71 11 00-1867 EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.84 1.76 11.40	9.66
08 71 11 00-1868 EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.33 1.76 11.40	10.16
08 71 11 00-1869 EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.60 1.76 11.40	10.16
08 71 11 00-1870 EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.92 1.76 11.40	10.16
08 71 11 00-1871 EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.71 1.76 11.40	10.80
08 71 11 00-1872 EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.03 1.76 11.40	10.80
08 71 11 00-1873 EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.33 1.76 11.40	10.80
08 71 11 00-1874 Satin/Dark Bronze Finish, Brass Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1875 EA 4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.39 1.76 11.40	9.28
08 71 11 00-1876 EA 4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.32 1.76 11.40	9.28
08 71 11 00-1877 EA 4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.28 1.76 11.40	9.28
08 71 11 00-1878 EA 4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.21 1.76 11.40	9.28
08 71 11 00-1879 EA 4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.70 1.76 11.40	9.66
08 71 11 00-1880 EA 4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.66 1.76 11.40	9.66
08 71 11 00-1881 EA 4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.62 1.76 11.40	9.66
08 71 11 00-1882 EA 4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.59 1.76 11.40	9.66
08 71 11 00-1883 EA 4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.66 1.76 11.40	10.16
08 71 11 00-1884 EA 4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.62 1.76 11.40	10.16
08 71 11 00-1885 EA 4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.58 1.76 11.40	10.16
08 71 11 00-1886 EA 4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.07 1.76 11.40	10.80
08 71 11 00-1887 EA 4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.03 1.76 11.40	10.80

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1888	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.94 1.76 11.40	10.80
08 71 11 00-1889	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.58 1.76 11.40	9.28
08 71 11 00-1890	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.06 1.76 11.40	9.28
08 71 11 00-1891	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.47 1.76 11.40	9.28
08 71 11 00-1892	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.33 1.76 11.40	9.28
08 71 11 00-1893	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.82 1.76 11.40	9.66
08 71 11 00-1894	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.24 1.76 11.40	9.66
08 71 11 00-1895	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.65 1.76 11.40	9.66
08 71 11 00-1896	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.06 1.76 11.40	9.66
08 71 11 00-1897	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.70 1.76 11.40	10.16
08 71 11 00-1898	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.11 1.76 11.40	10.16
08 71 11 00-1899	EA		6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.53 1.76 11.40	10.16
08 71 11 00-1900	EA		6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.47 1.76 11.40	10.80
08 71 11 00-1901	EA		6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.88 1.76 11.40	10.80
08 71 11 00-1902	EA		6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.29 1.76 11.40	10.80
08 71 11 00-1903			Satin Nickel Finish, Stainless Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1904	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.35 1.76 11.40	9.28
08 71 11 00-1905	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.33 1.76 11.40	9.28
08 71 11 00-1906	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.40 1.76 11.40	9.28
08 71 11 00-1907	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.44 1.76 11.40	9.28
08 71 11 00-1908	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.01 1.76 11.40	9.66
08 71 11 00-1909	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.02 1.76 11.40	9.66
08 71 11 00-1910	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.06 1.76 11.40	9.66
08 71 11 00-1911	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.10 1.76 11.40	9.66
08 71 11 00-1912	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.34 1.76 11.40	10.16
08 71 11 00-1913	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.35 1.76 11.40	10.16
08 71 11 00-1914	EA		4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.37 1.76 11.40	10.16
08 71 11 00-1915	EA		4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.97 1.76 11.40	10.80



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1916	EA		4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.01 1.76 11.40	10.80
08 71 11 00-1917	EA		4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.99 1.76 11.40	10.80
08 71 11 00-1918	EA		6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.03 1.76 11.40	9.28
08 71 11 00-1919	EA		6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.57 1.76 11.40	9.28
08 71 11 00-1920	EA		6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.12 1.76 11.40	9.28
08 71 11 00-1921	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.67 1.76 11.40	9.28
08 71 11 00-1922	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.74 1.76 11.40	9.66
08 71 11 00-1923	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.29 1.76 11.40	9.66
08 71 11 00-1924	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.83 1.76 11.40	9.66
08 71 11 00-1925	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.41 1.76 11.40	9.66
08 71 11 00-1926	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.13 1.76 11.40	10.16
08 71 11 00-1927	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.70 1.76 11.40	10.16
08 71 11 00-1928	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.25 1.76 11.40	10.16
08 71 11 00-1929	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.32 1.76 11.40	10.80
08 71 11 00-1930	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.87 1.76 11.40	10.80
08 71 11 00-1931	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.45 1.76 11.40	10.80
08 71 11 00-1932			Stainless Base Material Mop Plate (08 71 11 00-1784)		
08 71 11 00-1933			Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1932)		
08 71 11 00-1934	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.98 1.76 11.40	9.28
08 71 11 00-1935	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.57 1.76 11.40	9.28
08 71 11 00-1936	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.22 1.76 11.40	9.28
08 71 11 00-1937	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.85 1.76 11.40	9.28
08 71 11 00-1938	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.03 1.76 11.40	9.66
08 71 11 00-1939	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.68 1.76 11.40	9.66
08 71 11 00-1940	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.27 1.76 11.40	9.66
08 71 11 00-1941	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.92 1.76 11.40	9.66
08 71 11 00-1942	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.72 1.76 11.40	10.16
08 71 11 00-1943	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.37 1.76 11.40	10.16

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1944	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.02 1.76 11.40	10.16
08 71 11 00-1945	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.14 1.76 11.40	10.80
08 71 11 00-1946	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.79 1.76 11.40	10.80
08 71 11 00-1947	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.42 1.76 11.40	10.80
08 71 11 00-1948	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.92 1.76 11.40	9.28
08 71 11 00-1949	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.39 1.76 11.40	9.28
08 71 11 00-1950	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.84 1.76 11.40	9.28
08 71 11 00-1951	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.32 1.76 11.40	9.28
08 71 11 00-1952	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.27 1.76 11.40	9.66
08 71 11 00-1953	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.72 1.76 11.40	9.66
08 71 11 00-1954	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.19 1.76 11.40	9.66
08 71 11 00-1955	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.64 1.76 11.40	9.66
08 71 11 00-1956	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.29 1.76 11.40	10.16
08 71 11 00-1957	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.71 1.76 11.40	10.16
08 71 11 00-1958	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.15 1.76 11.40	10.16
08 71 11 00-1959	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.16 1.76 11.40	10.80
08 71 11 00-1960	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.58 1.76 11.40	10.80
08 71 11 00-1961	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.06 1.76 11.40	10.80
08 71 11 00-1962			Bright Stainless Finish, Stainless Mop Plate <small>(08 71 11 00-1932)</small>		
08 71 11 00-1963	EA		4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.46 1.76 11.40	9.28
08 71 11 00-1964	EA		4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.07 1.76 11.40	9.28
08 71 11 00-1965	EA		4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.69 1.76 11.40	9.28
08 71 11 00-1966	EA		4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.24 1.76 11.40	9.28
08 71 11 00-1967	EA		4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.38 1.76 11.40	9.66
08 71 11 00-1968	EA		4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.97 1.76 11.40	9.66
08 71 11 00-1969	EA		4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.58 1.76 11.40	9.66
08 71 11 00-1970	EA		4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.19 1.76 11.40	9.66
08 71 11 00-1971	EA		4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.91 1.76 11.40	10.16



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1972 EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.53 1.76 11.40	10.16
08 71 11 00-1973 EA 4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.14 1.76 11.40	10.16
08 71 11 00-1974 EA 4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.25 1.76 11.40	10.80
08 71 11 00-1975 EA 4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.86 1.76 11.40	10.80
08 71 11 00-1976 EA 4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.42 1.76 11.40	10.80
08 71 11 00-1977 EA 6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.21 1.76 11.40	9.28
08 71 11 00-1978 EA 6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.66 1.76 11.40	9.28
08 71 11 00-1979 EA 6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.05 1.76 11.40	9.28
08 71 11 00-1980 EA 6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.44 1.76 11.40	9.28
08 71 11 00-1981 EA 6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.33 1.76 11.40	9.66
08 71 11 00-1982 EA 6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.72 1.76 11.40	9.66
08 71 11 00-1983 EA 6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.11 1.76 11.40	9.66
08 71 11 00-1984 EA 6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.50 1.76 11.40	9.66
08 71 11 00-1985 EA 6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.08 1.76 11.40	10.16
08 71 11 00-1986 EA 6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.47 1.76 11.40	10.16
08 71 11 00-1987 EA 6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.86 1.76 11.40	10.16
08 71 11 00-1988 EA 6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.78 1.76 11.40	10.80
08 71 11 00-1989 EA 6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.14 1.76 11.40	10.80
08 71 11 00-1990 EA 6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.53 1.76 11.40	10.80
08 71 11 00-1991 Plastic Mop Plate <small>(08 71 11 00-1784)</small>		
08 71 11 00-1992 Clear Or Black Finish, Plastic Mop Plate <small>(08 71 11 00-1991)</small> Note: With four beveled edges.		
08 71 11 00-1993 EA 4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	51.92	9.28
08 71 11 00-1994 EA 4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	53.28	9.28
08 71 11 00-1995 EA 4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	54.66	9.28
08 71 11 00-1996 EA 4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	56.02	9.28
08 71 11 00-1997 EA 4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	58.90	9.66
08 71 11 00-1998 EA 4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	60.26	9.66
08 71 11 00-1999 EA 4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	61.61	9.66
08 71 11 00-2000 EA 4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	63.00	9.66
08 71 11 00-2001 EA 4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	66.52	10.16
08 71 11 00-2002 EA 4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	67.88	10.16
08 71 11 00-2003 EA 4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	69.23	10.16

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2004 EA 4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	73.12	10.80
08 71 11 00-2005 EA 4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	74.50	10.80
08 71 11 00-2006 EA 4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	75.86	10.80
08 71 11 00-2007 EA 6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	59.40	9.28
08 71 11 00-2008 EA 6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	61.47	9.28
08 71 11 00-2009 EA 6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	63.50	9.28
08 71 11 00-2010 EA 6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	65.53	9.28
08 71 11 00-2011 EA 6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	69.12	9.66
08 71 11 00-2012 EA 6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	71.16	9.66
08 71 11 00-2013 EA 6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	73.19	9.66
08 71 11 00-2014 EA 6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	75.22	9.66
08 71 11 00-2015 EA 6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.45	10.16
08 71 11 00-2016 EA 6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.48	10.16
08 71 11 00-2017 EA 6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	83.52	10.16
08 71 11 00-2018 EA 6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	88.11	10.80
08 71 11 00-2019 EA 6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	90.14	10.80
08 71 11 00-2020 EA 6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	92.17	10.80
08 71 11 00-2021 Armor Door Plate <small>(08 71 11 00-0762)</small> Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2022 SF 4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.43	1.59
08 71 11 00-2023 SF >8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	29.03	1.24
08 71 11 00-2024 SF 4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	33.47	1.59
08 71 11 00-2025 SF >8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	32.07	1.24
08 71 11 00-2026 SF 4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	68.10	1.59
08 71 11 00-2027 SF >8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	66.70	1.24
08 71 11 00-2028 Pull Handle And Plates <small>(08 71 11 00-0762)</small>		
08 71 11 00-2029 Pull Handle <small>(08 71 11 00-2028)</small>		
08 71 11 00-2030 EA 3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... For Stainless Steel, Add For Brass, Add	66.21 10.20 13.85	10.48
08 71 11 00-2031 EA 3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... For Stainless Steel, Add For Brass, Add	69.36 11.52 15.64	10.48
08 71 11 00-2032 EA 3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... For Stainless Steel, Add For Brass, Add	74.33 13.61 18.47	10.48
08 71 11 00-2033 EA 1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... For Stainless Steel, Add For Brass, Add	77.09 14.77 20.05	10.48
08 71 11 00-2034 EA 1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... For Stainless Steel, Add For Brass, Add	82.08 16.87 22.89	10.48
08 71 11 00-2035 EA 1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... For Stainless Steel, Add For Brass, Add	88.53 19.58 26.57	10.48
08 71 11 00-2036 EA 1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... For Stainless Steel, Add For Brass, Add	69.60 11.63 15.78	10.48
08 71 11 00-2037 EA 1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... For Stainless Steel, Add For Brass, Add	76.48 14.52 19.70	10.48
08 71 11 00-2038 EA 1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... For Stainless Steel, Add For Brass, Add	77.61 14.99 20.34	10.48
08 71 11 00-2039 EA 1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) For Bright Stainless Steel US32 (BHMA 629) Finish, Add For Brass, Add	147.08 19.88 18.30	10.48
08 71 11 00-2040 EA 1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) For Bright Stainless Steel US32 (BHMA 629) Finish, Add For Brass, Add	151.34 20.68 19.04	10.48



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2041	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	159.89 22.30	10.48
			<i>For Brass, Add</i>	20.53	
08 71 11 00-2042	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	209.44 31.66	10.48
			<i>For Brass, Add</i>	29.15	
08 71 11 00-2043			Pull Plate <small>(08 71 11 00-2028)</small>		
08 71 11 00-2044	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i>	101.00 40.85	7.94
			<i>For Brass, Add</i>	51.93	
08 71 11 00-2045	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i>	103.41 42.27	7.94
			<i>For Brass, Add</i>	53.74	
08 71 11 00-2046	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i>	108.90 45.51	7.94
			<i>For Brass, Add</i>	57.86	
08 71 11 00-2047			Push Bars And Plates <small>(08 71 11 00-0762)</small>		
08 71 11 00-2048			Push Bars <small>(08 71 11 00-2047)</small>		
08 71 11 00-2049	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	278.24	7.94
08 71 11 00-2050	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	266.23 40.80	7.94
08 71 11 00-2051	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	276.07 42.51	7.94
08 71 11 00-2052	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	520.39 85.02	7.94
08 71 11 00-2053			Push Plates <small>(08 71 11 00-2047)</small>		
08 71 11 00-2054			Aluminum Push Plates <small>(08 71 11 00-2053)</small>		
08 71 11 00-2055			Clear Anodized Finish, Aluminum Push Plates <small>(08 71 11 00-2054)</small> Note: Ives 8200 Series.		
08 71 11 00-2056	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	49.16	7.94
08 71 11 00-2057	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	49.16	7.94
08 71 11 00-2058	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	49.16	7.94
08 71 11 00-2059	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	53.56	7.94
08 71 11 00-2060			Stainless Steel Push Plates <small>(08 71 11 00-2053)</small>		
08 71 11 00-2061			Satin Finish, Stainless Steel Push Plates <small>(08 71 11 00-2060)</small> Note: Ives 8200 Series.		
08 71 11 00-2062	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	49.16	7.94
08 71 11 00-2063	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	52.54	7.94
08 71 11 00-2064	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	60.27	7.94
08 71 11 00-2065	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	71.71	7.94
08 71 11 00-2066			Brass Push Plates <small>(08 71 11 00-2053)</small>		
08 71 11 00-2067			Bright/Satin Brass Finish, Brass Push Plates <small>(08 71 11 00-2066)</small> Note: Ives 8200 Series.		
08 71 11 00-2068	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	59.49	7.94
08 71 11 00-2069	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	68.18	7.94
08 71 11 00-2070	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	89.10	7.94
08 71 11 00-2071	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	102.85	7.94
08 71 11 00-2072			Bright/Satin Chrome Finish, Brass Push Plates <small>(08 71 11 00-2066)</small> Note: Ives 8200 Series.		
08 71 11 00-2073	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	66.44	7.94
08 71 11 00-2074	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	73.50	7.94
08 71 11 00-2075	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	92.66	7.94
08 71 11 00-2076	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	111.57	7.94
08 71 11 00-2077			Satin/Dark Bronze Finish, Brass Push Plates <small>(08 71 11 00-2066)</small> Note: Ives 8200 Series.		
08 71 11 00-2078	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	66.44	7.94
08 71 11 00-2079	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	73.50	7.94
08 71 11 00-2080	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	96.05	7.94
08 71 11 00-2081	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	113.45	7.94
08 71 11 00-2082			Satin Nickel Finish, Brass Push Plates <small>(08 71 11 00-2066)</small> Note: Ives 8200 Series.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2083	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	66.44	7.94
08 71 11 00-2084	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	75.27	7.94
08 71 11 00-2085	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	101.41	7.94
08 71 11 00-2086	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	118.80	7.94
08 71 11 00-2087			Exit Devices <small>(08 71 11)</small>		
08 71 11 00-2088			Push Bar Exit Device, Von Duprin Series 22 <small>(08 71 11 00-2087)</small>		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2089	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22).....	799.09	142.92
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2090	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F).....	881.79	142.92
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2091	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227).....	1,143.02	171.50
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2092	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F).....	1,349.02	158.79
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2093	EA		Dummy Trim (Von Duprin Series 22, 210DT)	110.25	23.81
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2094	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	229.56	31.76
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2095	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K)	424.07	47.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2096	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L)	420.26	47.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2097	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP).....	419.30	47.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2098	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	337.80	47.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2099	EA		Exit Only Trim Plate (Von Duprin Series 22, 230EO).....	136.65	19.06
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2100	EA		Dummy Trim (Von Duprin Series 22, 230DT)	158.87	23.81
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2101	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	280.11	31.76
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2102	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE).....	333.99	47.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2103	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE).....	333.03	47.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2104			Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 <small>(08 71 11 00-2087)</small>		
			Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2105	EA		3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,777.66	142.92
			Note: Aluminum anodized finish.		
			<i>For 4' Push Bar, Add</i>	13.87	
			<i>For Accessible Device (AX), Add</i>	139.66	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	143.01	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	134.77	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	53.07	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	407.79	
08 71 11 00-2106	EA		3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)	2,421.25	171.50
			Note: Aluminum anodized finish.		
			<i>For 4' Push Bar, Add</i>	13.87	
			<i>For Accessible Device (AX), Add</i>	196.39	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	201.11	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	189.52	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	74.63	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	573.46	
08 71 11 00-2107	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F).....	2,468.84	171.50
			Note: Aluminum anodized finish.		
			<i>For 4' Push Bar, Add</i>	13.87	
			<i>For Accessible Device (AX), Add</i>	201.15	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	205.98	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	194.11	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	76.44	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	587.36	
08 71 11 00-2108	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547)	2,508.66	196.90
			Note: Aluminum anodized finish.		
			<i>For 4' Push Bar, Add</i>	13.87	
			<i>For Accessible Device (AX), Add</i>	198.15	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	202.90	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	191.21	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	75.30	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	578.59	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2109 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F).....	2,631.40	196.90
Note: Aluminum anodized finish.		
For 4' Push Bar, Add	13.87	
For Accessible Device (AX), Add	210.42	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	215.47	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	203.06	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	79.96	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	614.43	
08 71 11 00-2110 EA 3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548)	2,802.99	196.90
Note: Aluminum anodized finish.		
For 4' Push Bar, Add	13.87	
For Accessible Device (AX), Add	227.58	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	233.04	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	219.61	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	86.48	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	664.53	
08 71 11 00-2111 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F).....	2,925.73	196.90
Note: Aluminum anodized finish.		
For 4' Push Bar, Add	13.87	
For Accessible Device (AX), Add	239.85	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	245.61	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	231.46	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	91.14	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	700.37	
08 71 11 00-2112 EA Dummy Trim (Von Duprin Series 33/35, DT).....	399.17	23.81
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	32.39	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.76	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	98.01	
08 71 11 00-2113 EA Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP).....	443.42	31.76
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	34.21	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.47	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	103.51	
08 71 11 00-2114 EA Night Latch With Cylinder (Von Duprin Series 33/35, NL)	722.05	31.76
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	61.10	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	24.06	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	184.87	
08 71 11 00-2115 EA Lever Trim With Cylinder (Von Duprin Series 33/35, 360L).....	737.05	47.64
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	58.87	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	23.18	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	178.12	
08 71 11 00-2116 EA Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE).....	874.63	47.64
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	72.14	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	28.41	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	218.30	
08 71 11 00-2117 EA Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT).....	857.28	47.64
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	70.47	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	27.75	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	213.23	
08 71 11 00-2118 EA Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)	865.38	47.64
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	71.25	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	28.06	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	215.60	
08 71 11 00-2119 Push Bar Exit Device, Von Duprin Series 98/99 <small>(08 71 11 00-2087)</small>		
Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2120 EA 3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99).....	1,531.16	142.92
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	70.15	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	111.55	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	178.26	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	364.57	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	115.01	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	169.06	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	115.01	

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2121	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F).....	1,732.33	142.92
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	82.42	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	131.07	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	209.44	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	428.34	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	135.12	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	198.63	
		For Quiet Electric Latch Retraction (QEL), Add	802.58	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
		For Safety Glow Touchpad, Add	281.50	
		For Accessible Device (AX), Add	135.12	
08 71 11 00-2122	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,392.00	142.92
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	61.66	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.06	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	156.69	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	320.45	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	101.09	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	148.60	
		For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
		For Special Center Case Dogging (SD), Add	252.54	
		For Cylinder Dogging Indicator (CI), Add	168.10	
		For Dogging Indicator (DI), Add	154.42	
		For Quiet Electric Latch Retraction (QEL), Add	802.58	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
		For Safety Glow Touchpad, Add	281.50	
		For Accessible Device (AX), Add	101.09	
08 71 11 00-2123	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F).....	1,546.49	142.92
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	71.09	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	113.04	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	180.63	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	369.43	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	116.54	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	171.31	
		For Quiet Electric Latch Retraction (QEL), Add	802.58	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
		For Safety Glow Touchpad, Add	281.50	
		For Accessible Device (AX), Add	116.54	
08 71 11 00-2124	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927).....	2,174.52	171.50
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	104.75	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	166.57	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	266.16	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	544.35	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	171.72	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	252.43	
		For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
		For Special Center Case Dogging (SD), Add	252.54	
		For Cylinder Dogging Indicator (CI), Add	168.10	
		For Dogging Indicator (DI), Add	154.42	
		For Quiet Electric Latch Retraction (QEL), Add	802.58	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
		For Safety Glow Touchpad, Add	281.50	
		For Accessible Device (AX), Add	171.72	
08 71 11 00-2125	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)	2,447.19	171.50
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	121.38	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	193.02	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	308.43	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	630.79	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	198.99	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	292.51	
		For Quiet Electric Latch Retraction (QEL), Add	802.58	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
		For Safety Glow Touchpad, Add	281.50	
		For Accessible Device (AX), Add	198.99	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-2126	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,289.23	196.90
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	163.87	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	170.92	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	273.11	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	558.56	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	176.20	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	259.02	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	60.32	
			<i>For Special Center Case Dogging (SD), Add</i>	252.54	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	168.10	
			<i>For Dogging Indicator (DI), Add</i>	154.42	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	802.58	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	78.02	
			<i>For Safety Glow Touchpad, Add</i>	281.50	
			<i>For Accessible Device (AX), Add</i>	176.20	
08 71	11 00-2127	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,567.95	196.90
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	189.79	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	197.95	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	316.32	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	646.92	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	204.08	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	299.99	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	802.58	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	78.02	
			<i>For Safety Glow Touchpad, Add</i>	281.50	
			<i>For Accessible Device (AX), Add</i>	204.08	
08 71	11 00-2128	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,574.01	196.90
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	190.35	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	198.54	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	317.26	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	648.84	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	204.68	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	300.88	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	60.32	
			<i>For Special Center Case Dogging (SD), Add</i>	252.54	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	168.10	
			<i>For Dogging Indicator (DI), Add</i>	154.42	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	802.58	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	78.02	
			<i>For Safety Glow Touchpad, Add</i>	281.50	
			<i>For Accessible Device (AX), Add</i>	204.68	
08 71	11 00-2129	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,357.30	196.90
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	170.20	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	177.52	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	283.67	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	580.14	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	183.01	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	269.02	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	802.58	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	78.02	
			<i>For Safety Glow Touchpad, Add</i>	281.50	
			<i>For Accessible Device (AX), Add</i>	183.01	
08 71	11 00-2130	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,073.10	196.90
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	143.77	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	149.95	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	239.61	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	490.05	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	154.59	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	227.25	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	60.32	
			<i>For Special Center Case Dogging (SD), Add</i>	252.54	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	168.10	
			<i>For Dogging Indicator (DI), Add</i>	154.42	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	802.58	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	78.02	
			<i>For Safety Glow Touchpad, Add</i>	281.50	
			<i>For Accessible Device (AX), Add</i>	154.59	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2131 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	2,320.11	196.90
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	166.74	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	173.91	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	277.90	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	568.35	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	179.29	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	263.56	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	179.29	
08 71 11 00-2132 EA 3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	2,226.40	171.50
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	107.91	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	171.60	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	274.21	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	560.80	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	176.91	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	260.05	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	176.91	
08 71 11 00-2133 EA 3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,368.49	171.50
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	116.58	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	185.38	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	296.23	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	605.84	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	191.12	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	280.94	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	191.12	
08 71 11 00-2134 EA 3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	2,157.23	177.85
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	62.19	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	163.04	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	260.53	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	532.83	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	168.08	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	247.08	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	168.08	
08 71 11 00-2135 EA 3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	2,362.02	177.85
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	69.77	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	182.91	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	292.27	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	597.74	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	188.56	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	277.19	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	188.56	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2136 EA 3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949).....	1,981.54	196.90
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	135.25	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	141.07	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	225.42	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	461.03	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	145.43	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	213.79	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	145.43	
08 71 11 00-2137 EA 3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F)	2,141.76	196.90
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	150.15	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	156.61	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	250.26	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	511.82	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	161.46	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	237.34	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	161.46	
08 71 11 00-2138 EA 3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,147.48	196.90
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	150.69	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	157.17	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	251.14	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	513.63	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	162.03	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	238.18	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	162.03	
08 71 11 00-2139 EA 3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,433.58	196.90
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	177.29	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	184.92	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	295.49	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	604.32	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	190.64	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	280.24	
For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
For Special Center Case Dogging (SD), Add	252.54	
For Cylinder Dogging Indicator (CI), Add	168.10	
For Dogging Indicator (DI), Add	154.42	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	190.64	
08 71 11 00-2140 EA 3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99).....	3,356.69	165.15
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	451.37	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	923.12	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	291.21	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	108.33	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	121.72	
For Center Case Dogging (CD-CX), Add	272.64	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	291.21	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2141	EA	3'	Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F).....	3,557.86	165.15
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	482.55	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	986.89	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	311.32	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	115.81	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	130.13	
			For Quiet Electric Latch Retraction (QEL), Add	802.58	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
			For Safety Glow Touchpad, Add	281.50	
			For Accessible Device (AX), Add	311.32	
08 71 11 00-2142	EA	3'	Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	3,995.46	203.26
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	533.64	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,091.38	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	344.29	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	128.07	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	143.91	
			For Center Case Dogging (CD-CX), Add	272.64	
			For Quiet Electric Latch Retraction (QEL), Add	802.58	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
			For Safety Glow Touchpad, Add	281.50	
			For Accessible Device (AX), Add	344.29	
08 71 11 00-2143	EA	3'	Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F).....	4,200.27	203.26
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	565.39	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,156.31	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	364.77	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	135.69	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	152.47	
			For Quiet Electric Latch Retraction (QEL), Add	802.58	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
			For Safety Glow Touchpad, Add	281.50	
			For Accessible Device (AX), Add	364.77	
08 71 11 00-2144	EA	3'	Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	2,169.09	165.15
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	267.29	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	546.65	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	172.45	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.15	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.98	
			For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
			For Special Center Case Dogging (SD), Add	252.54	
			For Dogging Indicator (DI), Add	154.42	
			For Quiet Electric Latch Retraction (QEL), Add	802.58	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
			For Safety Glow Touchpad, Add	281.50	
			For Accessible Device (AX), Add	172.45	
08 71 11 00-2145	EA	3'	Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,370.26	165.15
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	298.47	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	610.42	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	192.56	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	71.63	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	110.53	
			For Quiet Electric Latch Retraction (QEL), Add	802.58	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
			For Safety Glow Touchpad, Add	281.50	
			For Accessible Device (AX), Add	192.56	
08 71 11 00-2146	EA	3'	Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975).....	2,807.86	203.26
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	349.56	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	714.91	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	225.53	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	83.90	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	129.45	
			For Standard Baseplate Cylinder Dogging (CD), Add	60.32	
			For Special Center Case Dogging (SD), Add	252.54	
			For Dogging Indicator (DI), Add	154.42	
			For Quiet Electric Latch Retraction (QEL), Add	802.58	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
			For Safety Glow Touchpad, Add	281.50	
			For Accessible Device (AX), Add	225.53	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2147 EA 3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	3,012.65	203.26
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	381.31	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	779.83	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	246.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	91.51	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	141.21	
For Quiet Electric Latch Retraction (QEL), Add	802.58	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	78.02	
For Safety Glow Touchpad, Add	281.50	
For Accessible Device (AX), Add	246.00	
08 71 11 00-2148 EA Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	179.59	19.06
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.86	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.79	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	21.89	
08 71 11 00-2149 EA Dummy Trim (Von Duprin Series 98/99, 990DT).....	263.82	23.81
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.01	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.01	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	34.05	
08 71 11 00-2150 EA Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	389.82	31.76
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.03	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.54	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	51.15	
08 71 11 00-2151 EA Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	303.55	31.76
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.44	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.49	
08 71 11 00-2152 EA Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	676.27	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	16.48	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	24.72	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	93.37	
08 71 11 00-2153 EA Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L).....	590.00	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.89	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.83	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	78.70	
08 71 11 00-2154 EA Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE).....	590.00	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.89	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.83	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	78.70	
08 71 11 00-2155 EA Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL).....	574.07	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.41	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.12	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	76.00	
08 71 11 00-2156 EA Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL).....	487.80	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.82	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.23	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	61.33	
08 71 11 00-2157 EA Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT).....	487.80	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.82	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.23	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	61.33	
08 71 11 00-2158 EA Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K).....	557.73	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	12.92	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.38	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	73.22	
08 71 11 00-2159 EA Knob Trim Without Cylinder (Von Duprin Series 98/99, K).....	471.46	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.33	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.50	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	58.55	
08 71 11 00-2160 EA Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE).....	471.46	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.33	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.50	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	58.55	
08 71 11 00-2161 EA Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL).....	548.53	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	12.64	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	18.97	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	71.65	
08 71 11 00-2162 EA Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL).....	462.26	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.06	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.08	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	56.99	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2163 EA Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT).....	462.26	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.06	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.08	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	56.99	
08 71 11 00-2164 EA Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	498.45	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.14	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.71	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	63.14	
08 71 11 00-2165 EA Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP).....	412.18	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.55	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.83	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.47	
08 71 11 00-2166 EA Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE).....	412.18	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.55	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.83	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.47	
08 71 11 00-2167 EA Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	412.04	47.64
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.55	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.83	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.45	
08 71 11 00-2168 Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 11 00-2087)		
08 71 11 00-2169 EA Alarm Kit With Switch And 9 Volt Battery Back-up.....	957.67	47.64
08 71 11 00-2170 EA 4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	819.44	47.64
For Battery Backup (Includes Board And 2 Batteries), Add	59.40	
For Fire Alarm Interface, Add	29.70	
For 2 Relay Panic Device Control Board, Add	68.91	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	80.78	
For 4 Relay Output Board, Add	66.53	
For 4 Relay Logic Board, Add	182.47	
For Fused 8 Zone Distribution Board, Add	23.76	
08 71 11 00-2171 EA Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	765.68	47.64
08 71 11 00-2172 EA 2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	399.53	47.64
For Battery Backup (Includes Board And 2 Batteries), Add	59.40	
For Fire Alarm Interface, Add	29.70	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	80.78	
For 4 Relay Output Board, Add	66.53	
For 4 Relay Logic Board, Add	182.47	
For Fused 8 Zone Distribution Board, Add	23.76	
08 71 11 00-2173 EA 4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	640.65	47.64
For Battery Backup (Includes Board And 2 Batteries), Add	59.40	
For Fire Alarm Interface, Add	29.70	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	80.78	
For 4 Relay Output Board, Add	66.53	
For 4 Relay Logic Board, Add	182.47	
For Fused 8 Zone Distribution Board, Add	23.76	
08 71 11 00-2174 EA Request to Exit Push Pad Monitor Switch (RX)	228.94	31.76
08 71 11 00-2175 EA EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,035.05	
Note: For Von Duprin Series 33A/35A/98/99 Exit Device		
08 71 11 00-2176 Removable Verticals, Mullions (Von Duprin) (08 71 11 00-2087)		
08 71 11 00-2177 EA 7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	565.73	31.76
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-438.69	
08 71 11 00-2178 EA 8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	600.06	31.76
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-473.02	
08 71 11 00-2179 EA 10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	970.38	31.76
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-843.34	
08 71 11 00-2180 EA 7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	957.34	38.11
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-804.90	
08 71 11 00-2181 EA 8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	991.67	38.11
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-839.23	
08 71 11 00-2182 EA 10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	1,067.01	38.11
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-914.57	
08 71 11 00-2183 EA 7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	989.87	31.76
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-862.83	
08 71 11 00-2184 EA 8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	1,034.71	31.76
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-907.67	
08 71 11 00-2185 EA 10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	1,125.60	31.76
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-998.56	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2186	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	1,527.88	38.11
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,375.44	
08 71 11 00-2187	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,572.72	38.11
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,420.28	
08 71 11 00-2188	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	2,981.74	38.11
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-2,829.30	
08 71 11 00-2189	EA		Mullion Stabilizer Set (Von Duprin 154).....	122.34	25.40
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-71.52	
08 71 11 00-2190			Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 <small>(08 71 11 00-2087)</small>		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2191	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile	2,202.62	142.92
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	229.51	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	264.12	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	347.91	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	378.87	
08 71 11 00-2192	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	2,841.76	196.90
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	291.63	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	335.61	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	442.08	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	481.43	
08 71 11 00-2193	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	3,100.20	196.90
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	324.20	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	373.09	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	491.44	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	535.18	
08 71 11 00-2194	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	2,905.66	196.90
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	299.69	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	344.88	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	454.29	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	494.72	
08 71 11 00-2195	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	3,156.47	196.90
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	331.29	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	381.24	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	502.19	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	546.89	
08 71 11 00-2196	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile	2,213.97	177.85
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	218.94	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	251.95	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	331.88	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	361.42	
08 71 11 00-2197	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated.....	2,382.77	177.85
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	240.20	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	276.43	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	364.12	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	396.53	
08 71 11 00-2198	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	377.27	23.81
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	39.53	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	45.50	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	59.93	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	65.26	
08 71 11 00-2199	EA		Cylinder Assembly, Von Duprin Series 55	177.62	33.66
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	11.17	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	12.86	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	16.94	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	18.45	
08 71 11 00-2200	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	627.24	33.66
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	67.83	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	78.05	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	102.82	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	111.97	
08 71 11 00-2201	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	676.80	47.64
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	69.27	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	79.72	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	105.00	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	114.35	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2202	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	560.00 54.55 62.78 82.70 90.06	47.64
08 71 11 00-2203	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	676.80 69.27 79.72 105.00 114.35	47.64
08 71 11 00-2204	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	777.88 82.01 94.37 124.31 135.37	47.64
08 71 11 00-2205		Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2087) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2206	EA	42" Crossbar, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,413.94 32.02 33.05 281.96	142.92
08 71 11 00-2207	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,641.87 39.08 40.34 344.19	142.92
08 71 11 00-2208	EA	42" Crossbar, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,824.90 42.39 43.76 373.35	171.50
08 71 11 00-2209	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,317.94 57.68 59.54 507.95	171.50
08 71 11 00-2210	EA	42" Crossbar, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,770.69 38.55 39.79 339.47	196.90
08 71 11 00-2211	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,219.02 52.45 54.14 461.87	196.90
08 71 11 00-2212	EA	42" Crossbar, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,887.82 43.75 45.17 385.32	177.85
08 71 11 00-2213	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,004.17 47.36 48.89 417.08	177.85
08 71 11 00-2214	EA	Dummy Trim (Von Duprin Series 88, DT) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	214.19 4.67 4.82 41.14	23.81
08 71 11 00-2215	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	334.46 7.61 7.86 67.03	31.76
08 71 11 00-2216	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	590.53 14.37 14.83 126.53	47.64
08 71 11 00-2217	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	552.38 13.19 13.61 116.12	47.64



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2218	EA		Knob Trim With Cylinder (Von Duprin Series 88, K) Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> 8.97 <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> 9.26 <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> 79.01	416.44	47.64
08 71 11 00-2219	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)..... Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> 8.97 <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> 9.26 <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> 79.01	416.44	47.64
08 71 11 00-2220			Push Bar Exit Device, Precision Hardware Apex 2000 Series <small>(08 71 11 00-2087)</small> Note: Grade 1, BHMA 156.3, Anodized Aluminum Finish.		
08 71 11 00-2221	EA		3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)..... <i>For 4' Push Bar, Add</i> 13.87 <i>For Owner Furnished Material, Deduct</i> -1,713.58	2,094.69	142.92
08 71 11 00-2222	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)..... <i>For 4' Push Bar, Add</i> 13.87 <i>For Owner Furnished Material, Deduct</i> -1,831.33	2,212.44	142.92
08 71 11 00-2223	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) <i>For 4' Push Bar, Add</i> 13.87 <i>For Owner Furnished Material, Deduct</i> -2,418.54	2,875.87	171.50
08 71 11 00-2224	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)..... <i>For 4' Push Bar, Add</i> 13.87 <i>For Owner Furnished Material, Deduct</i> -2,536.28	2,993.61	171.50
08 71 11 00-2225	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901) <i>For Owner Furnished Material, Deduct</i> -204.52	255.34	19.06
08 71 11 00-2226	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) <i>For Owner Furnished Material, Deduct</i> -621.29	684.80	23.81
08 71 11 00-2227	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)..... <i>For Owner Furnished Material, Deduct</i> -621.29	748.33	47.64
08 71 11 00-2228	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A) <i>For Owner Furnished Material, Deduct</i> -776.23	903.27	47.64
08 71 11 00-2229	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A) <i>For Owner Furnished Material, Deduct</i> -776.23	903.27	47.64
08 71 11 00-2230	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)..... <i>For Owner Furnished Material, Deduct</i> -776.23	903.27	47.64
08 71 11 00-2231	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701)..... <i>For Owner Furnished Material, Deduct</i> -136.33	187.15	19.06
08 71 11 00-2232	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A) <i>For Owner Furnished Material, Deduct</i> -337.76	401.27	23.81
08 71 11 00-2233	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A) <i>For Owner Furnished Material, Deduct</i> -337.76	426.69	31.76
08 71 11 00-2234	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A)..... <i>For Owner Furnished Material, Deduct</i> -474.09	601.13	47.64
08 71 11 00-2235	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) <i>For Owner Furnished Material, Deduct</i> -474.09	601.13	47.64
08 71 11 00-2236			Door Closers <small>(08 71 11)</small> Note: Includes standard cover and arm.		
08 71 11 00-2237	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) <i>For Delayed Action, Add</i> 12.60 <i>For AVB (5 LB Per Push), Add</i> 6.60 <i>For Fusible Link Arm, Add</i> 39.60 <i>For Shock Absorbing Arm, Add</i> 19.80 <i>For Hold Open Arm, Add</i> 13.80 <i>For Plated Brass Finish, Add</i> 101.40 <i>For Plated Finish With Clear Coat, Add</i> 127.20 <i>For Parallel Arm, Add</i> 22.40	495.25	36.84
08 71 11 00-2238	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series) <i>For Delayed Action, Add</i> 12.60 <i>For AVB (5 LB Per Push), Add</i> 6.60 <i>For Fusible Link Arm, Add</i> 39.60 <i>For Shock Absorbing Arm, Add</i> 19.80 <i>For Hold Open Arm, Add</i> 13.80 <i>For Plated Brass Finish, Add</i> 101.40 <i>For Plated Finish With Clear Coat, Add</i> 127.20	598.94	36.84
08 71 11 00-2239	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)..... <i>For Delayed Action, Add</i> 12.60 <i>For AVB (5 LB Per Push), Add</i> 6.60 <i>For Fusible Link Arm, Add</i> 39.60 <i>For Shock Absorbing Arm, Add</i> 19.80 <i>For Hold Open Arm, Add</i> 13.80 <i>For Plated Brass Finish, Add</i> 101.40 <i>For Plated Finish With Clear Coat, Add</i> 127.20 <i>For Spring Cush Arm, Add</i> 67.20 <i>For Parallel Arm And PA Shoe, Add</i> 22.40 <i>For Stainless Steel Finish, Add</i> 145.00	615.43	36.84

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2240 EA Surface Mounted High Security Door Closer With Metal Cover (LCN 4510).....	636.07	36.84
For Delayed Action, Add	12.60	
For AVB (5 LB Per Push), Add	6.60	
For Fusible Link Arm, Add	39.60	
For Shock Absorbing Arm, Add	19.80	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2241 EA Surface Mounted Standard Duty Door Closer (Norton 8301).....	417.58	36.84
For Parallel Arm, Add	22.40	
08 71 11 00-2242 EA Surface Mounted Standard Duty Door Closer (Norton 8501).....	421.06	36.84
For Parallel Arm, Add	22.40	
08 71 11 00-2243 Concealed Door Closers (08 71 11)		
08 71 11 00-2244 EA Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	1,400.07	109.25
08 71 11 00-2245 EA Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,497.26	109.25
08 71 11 00-2246 EA Concealed (In Door) Overhead Door Closer (LCN 3130).....	707.68	44.46
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2247 EA Concealed (In Frame) Overhead Door Closer (LCN 5010).....	764.53	44.46
For Delayed Action, Add	12.60	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2248 Locks And Latches (08 71 11)		
Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2249 Locksmith Services (08 71 11 00-2248)		
08 71 11 00-2250 EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.90	
For >50, Deduct	-0.38	
08 71 11 00-2251 EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	152.50	
For >5, Deduct	-15.25	
08 71 11 00-2252 EA Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	152.50	
For >5, Deduct	-15.25	
08 71 11 00-2253 EA Removal And Replacement Of Cylinder With New Cylinder.....	172.74	
Note: Excludes core.		
For >5, Deduct	-15.25	
08 71 11 00-2254 EA Open Locked Doors.....	152.50	
08 71 11 00-2255 EA Install Owner Furnished Cores And Cylinders.....	63.94	
08 71 11 00-2256 Mortise Locksets And Latchsets (08 71 11 00-2248)		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2257 EA Passage/Closet F01 Mortise Latchset.....	825.94	31.76
Note: Both sides always unlocked.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	23.06	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	20.97	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	34.95	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	246.71	
08 71 11 00-2258 EA Bath/Bedroom Privacy F02/F19 Mortise Lockset.....	981.22	31.76
Note: Locked with thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	28.19	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	25.63	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	42.71	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	301.53	
08 71 11 00-2259 EA Entrance/Office F04 Mortise Lockset.....	1,091.06	31.76
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	31.81	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	28.92	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	48.20	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	340.30	
08 71 11 00-2260 EA Classroom F05 Mortise Lockset.....	1,018.92	31.76
Note: Locked with key outside. Inside always unlocked.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	29.43	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	26.76	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	44.59	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	314.83	
For Security Function (Double Cylinder) With Visual Indicator, Add	78.40	
08 71 11 00-2261 EA Storeroom/Closet F07 Mortise Lockset.....	1,018.92	31.76
Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	29.43	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	26.76	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	44.59	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	314.83	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2262 EA Entrance F08 Mortise Lockset.....	1,137.06	31.76
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	33.33	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	30.30	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	50.50	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	356.54	
08 71 11 00-2263 EA Dormitory/Exit F13 Mortise Lockset.....	980.14	31.76
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	28.15	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	25.59	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	42.66	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	301.14	
08 71 11 00-2264 Locks And Latches (08 71 11 00-2248)		
08 71 11 00-2265 Preassembled Locks And Latches (08 71 11 00-2264)		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2266 EA Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)	1,676.94	31.76
Note: Both sides always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	47.45	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	79.08	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	558.33	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	294.19	
For Grade 2, Deduct	-615.27	
08 71 11 00-2267 EA Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	1,815.21	31.76
Note: Locked with push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	51.60	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	86.00	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	607.14	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	319.91	
For Grade 2, Deduct	-669.05	
08 71 11 00-2268 EA Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,063.15	31.76
Note: Locked with key outside and push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	59.04	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	98.39	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	694.66	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	366.02	
For Grade 2, Deduct	-765.50	
08 71 11 00-2269 EA Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255).....	2,063.15	31.76
Note: Locked with key outside. Inside always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	59.04	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	98.39	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	694.66	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	366.02	
For Grade 2, Deduct	-765.50	
08 71 11 00-2270 EA Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257).....	2,063.15	31.76
Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	59.04	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	98.39	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	694.66	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	366.02	
For Grade 2, Deduct	-765.50	
08 71 11 00-2271 Bored Locks And Latches (08 71 11 00-2264)		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2272 EA Passage/Closet F75 Bored Latchset	292.98	31.76
Note: Both sides always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.98	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.30	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	58.58	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	30.86	
For Grade 2, Deduct	-8.30	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.32	
For Interchangeable Core, Add	9.45	
08 71 11 00-2273 EA Bath/Bedroom Privacy F76 Bored Lockset	332.54	31.76
Note: Locked with push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.17	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.28	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	72.54	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	38.22	
For Grade 2, Deduct	-10.28	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.11	
For Interchangeable Core, Add	9.45	
08 71 11 00-2274 EA Entrance/Office F82 Bored Lockset	364.45	31.76
Note: Locked with key outside and push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.12	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	11.87	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	83.81	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	44.16	
For Grade 2, Deduct	-11.87	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.75	
For Interchangeable Core, Add	9.45	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2275 EA Classroom F84 Bored Lockset.....	364.45	31.76
Note: Locked with key outside. Inside always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.12	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	11.87	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	83.81	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	44.16	
For Grade 2, Deduct	-11.87	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.75	
For Interchangeable Core, Add	9.45	
08 71 11 00-2276 EA Storeroom/Closet F86 Bored Lockset.....	364.45	31.76
Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.12	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	11.87	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	83.81	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	44.16	
For Grade 2, Deduct	-11.87	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.75	
For Interchangeable Core, Add	9.45	
08 71 11 00-2277 EA Corridor/Dormitory F90 Bored Lockset	364.45	31.76
Note: Locked with key outside and push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.12	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	11.87	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	83.81	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	44.16	
For Grade 2, Deduct	-11.87	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.75	
For Interchangeable Core, Add	9.45	
08 71 11 00-2278 Other Locks (08 71 11 00-2248)		
Note: BHMA A156.5.		
08 71 11 00-2279 EA Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,020.06	165.15
08 71 11 00-2280 EA Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461.....	2,296.70	330.29
08 71 11 00-2281 Pushbutton Combination Locks (08 71 11 00-2248)		
08 71 11 00-2282 Mechanical Pushbutton Combination Locks (08 71 11 00-2281)		
Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2283 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)		
(08 71 11 00-2282)		
Note: Satin chrome or antique brass finish.		
08 71 11 00-2284 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series).....	808.19	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	
08 71 11 00-2285 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series).....	865.65	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	
08 71 11 00-2286 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series).....	888.64	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	
08 71 11 00-2287 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series).....	946.11	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	
08 71 11 00-2288 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series).....	905.88	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	
08 71 11 00-2289 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series).....	963.35	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	
08 71 11 00-2290 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series).....	986.34	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	
08 71 11 00-2291 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series).....	1,043.81	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
For Fire Rated, Add	65.10	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2292 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) <small>(08 71 11 00-2292)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2293 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	892.09	79.92
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.58	
08 71 11 00-2294 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	938.07	79.92
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.58	
08 71 11 00-2295 EA Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,030.02	79.92
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.58	
08 71 11 00-2296 EA Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,064.50	79.92
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.58	
08 71 11 00-2297 EA Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,064.50	79.92
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.58	
08 71 11 00-2298 EA Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,007.03	79.92
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.58	
08 71 11 00-2299 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) <small>(08 71 11 00-2292)</small> Note: Satin chrome or antique brass finish.		
08 71 11 00-2300 EA Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,072.55	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
08 71 11 00-2301 EA Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,107.03	79.92
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.58	
08 71 11 00-2302 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) <small>(08 71 11 00-2292)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2303 EA Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	478.31	79.92
For Schlage Core, Add	47.58	
08 71 11 00-2304 EA Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	630.03	79.92
For Schlage Core, Add	47.58	
08 71 11 00-2305 Electrical Pushbutton Combination Locks <small>(08 71 11 00-2281)</small> Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2306 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2307 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	836.92	79.92
For Satin Brass Finish, Add	17.50	
08 71 11 00-2308 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	974.85	79.92
For Satin Brass Finish, Add	17.50	
08 71 11 00-2309 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,009.33	79.92
For Satin Brass Finish, Add	17.50	
08 71 11 00-2310 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	951.86	79.92
For Satin Brass Finish, Add	17.50	
08 71 11 00-2311 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	894.39	79.92
For Satin Brass Finish, Add	17.50	
08 71 11 00-2312 EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,009.33	79.92
For Satin Brass Finish, Add	17.50	
08 71 11 00-2313 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,032.32	79.92
For Satin Brass Finish, Add	17.50	

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2314	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,066.80	79.92
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2315	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,009.33	79.92
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2316		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2317	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,066.80	79.92
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2318	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,066.80	79.92
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2319		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2320	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,244.96	79.92
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2321	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,244.96	79.92
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2322		Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2323	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,336.91	79.92
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2324	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,451.85	79.92
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2325	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,474.84	79.92
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2326	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,509.32	79.92
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2327	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,451.85	79.92
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2328		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2329	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,882.87	79.92
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	103.95	
		<i>Note: Excludes momentary contact switch.</i>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2330	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,997.81	79.92
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.95	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2331	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,020.80	79.92
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.95	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2332	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,055.28	79.92
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.95	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2333	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,997.81	79.92
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.95	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2334			Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) (08 71 11 00-2305)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2335	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	2,664.47	79.92
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2336			Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) (08 71 11 00-2305)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2337	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,681.73	79.92
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2338			Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 11 00-2305)		
08 71 11 00-2339	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	830.45	
08 71 11 00-2340	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	1,060.33	
08 71 11 00-2341	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,405.15	
08 71 11 00-2342	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	420.97	
08 71 11 00-2343	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	128.52	
			<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 11 00-2344	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	152.66	
08 71 11 00-2345			Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 11 00-2305)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>		
08 71 11 00-2346	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,038.07	79.92
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-718.38	
08 71 11 00-2347	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,175.99	79.92
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-856.30	
08 71 11 00-2348	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,210.47	79.92
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-890.78	
08 71 11 00-2349	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,153.01	79.92
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-833.32	
08 71 11 00-2350	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,095.53	79.92
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-775.84	
08 71 11 00-2351	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,210.47	79.92
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-890.78	

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2352	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,233.46	79.92
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-913.77	
08 71 11 00-2353	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,267.95	79.92
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-948.26	
08 71 11 00-2354	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,210.47	79.92
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-890.78	
08 71 11 00-2355		Electrical Pushbutton Combination Locks (Schlage) (08 71 11 00-2305)		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2356	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	1,049.37	79.40
		<i>For Owner Furnished Material, Deduct</i>	-731.79	
08 71 11 00-2357	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	1,213.65	79.40
		<i>For Owner Furnished Material, Deduct</i>	-896.07	
08 71 11 00-2358	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,368.33	79.40
		<i>For Owner Furnished Material, Deduct</i>	-1,050.75	
08 71 11 00-2359	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,784.36	79.40
		<i>For Owner Furnished Material, Deduct</i>	-1,466.78	
08 71 11 00-2360	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,949.71	79.40
		<i>For Owner Furnished Material, Deduct</i>	-1,632.13	
08 71 11 00-2361	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,143.86	79.40
		<i>For Owner Furnished Material, Deduct</i>	-1,826.28	
08 71 11 00-2362	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,971.04	79.40
		<i>For Owner Furnished Material, Deduct</i>	-1,653.46	
08 71 11 00-2363		Residential Locks And Latchsets (08 71 11 00-2248)		
08 71 11 00-2364	EA	Residential Entry Lockset With Knobs (Master Keyed).....	92.77	19.18
08 71 11 00-2365	EA	Residential Privacy Lockset With Knobs.....	90.97	19.18
08 71 11 00-2366	EA	Residential Passage Lockset With Knobs.....	90.73	19.18
08 71 11 00-2367	EA	Residential Dummy Lockset With Knobs.....	72.23	15.99
08 71 11 00-2368	EA	Residential Entry Lockset With Levers (Master Keyed).....	105.23	19.18
08 71 11 00-2369	EA	Residential Privacy Lockset With Levers.....	101.09	19.18
08 71 11 00-2370	EA	Residential Passage Lockset With Levers.....	98.10	19.18
08 71 11 00-2371	EA	Residential Dummy Lockset With Levers.....	73.66	15.99
08 71 11 00-2372	EA	Screen Door - Closer.....	58.83	13.81
08 71 11 00-2373	EA	Screen Door - Locking Handle.....	65.28	19.82
08 71 11 00-2374		Deadbolts (08 71 11 00-2248)		
08 71 11 00-2375		Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2374)		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2376	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	204.95	31.76
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2377	EA	Double Cylinder Deadbolt, Key Both Sides.....	232.30	31.76
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2378		Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2374)		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2379	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	186.21	31.76
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2380	EA	Double Cylinder Deadbolt, Key Both Sides.....	216.09	31.76
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2381		Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2374)		
		Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2382	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side	264.80	31.76
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2383	EA	Small Case Mortised Deadbolt, Key Both Sides.....	290.12	31.76
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2384	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side.....	259.73	31.76
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2385 Mortised Deadbolts, Grade 1, ANSI 156.5 <small>(08 71 11 00-2374)</small>		
<i>Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.</i>		
08 71 11 00-2386 EA Mortised Deadbolt, Key One Side, Knob One Side	333.68	31.76
<i>Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).</i>		
08 71 11 00-2387 EA Mortised Deadbolt, Key Both Sides	375.21	31.76
<i>Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.</i>		
08 71 11 00-2388 EA Mortised Deadbolt, Key One Side, Cover Plate One Side	298.22	31.76
<i>Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).</i>		
08 71 11 00-2389 Surface Mounted Deadbolts <small>(08 71 11 00-2374)</small>		
08 71 11 00-2390 EA Single Cylinder Surface Mounted Deadbolt	145.41	31.76
<i>Note: Key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2391 EA Double Cylinder Surface Mounted Deadbolt.....	163.71	31.76
<i>Note: Key both sides, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2392 EA Single Cylinder Surface Mounted Interlocking Deadbolt.....	178.26	31.76
<i>Note: Jimmy proof, key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2393 EA Double Cylinder Surface Mounted Interlocking Deadbolt	196.56	31.76
<i>Note: Jimmy proof, key both sides, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2394 Surface Mounted Deadlatches <small>(08 71 11 00-2248)</small>		
08 71 11 00-2395 EA Single Cylinder Surface Mounted Deadlatch	146.84	31.76
<i>Note: Key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2396 EA Single Cylinder Surface Mounted Interlocking Deadlatch	178.32	31.76
<i>Note: Jimmy proof, key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2397 Electric Strikes <small>(08 71 11 00-2248)</small>		
08 71 11 00-2398 EA 12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	384.55	63.51
08 71 11 00-2399 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111).....	1,118.69	63.51
<i>Note: For rim mounted lock</i>		
08 71 11 00-2400 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112).....	1,069.01	63.51
<i>Note: For rim mounted lock</i>		
08 71 11 00-2401 EA 24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211).....	824.92	63.51
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2402 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212).....	1,123.98	63.51
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2403 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213).....	1,102.43	63.51
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2404 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214).....	1,201.88	63.51
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2405 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215).....	1,119.59	63.51
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2406 EA 12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006).....	689.49	63.51
08 71 11 00-2407 EA 12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500).....	685.46	63.51
08 71 11 00-2408 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000).....	338.82	63.51
08 71 11 00-2409 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200).....	338.82	63.51
08 71 11 00-2410 EA 12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000).....	432.97	63.51
08 71 11 00-2411 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	765.97	63.51
08 71 11 00-2412 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000).....	382.43	63.51
08 71 11 00-2413 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	704.47	63.51
08 71 11 00-2414 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500).....	623.29	63.51
08 71 11 00-2415 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400).....	741.11	83.85
08 71 11 00-2416 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500).....	842.35	83.85
08 71 11 00-2417 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	741.65	83.85
08 71 11 00-2418 Electric Hardware <small>(08 71 11 00-2248)</small>		
08 71 11 00-2419 EA Electrified Cylindrical Lock Option	209.17	
<i>Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.</i>		
08 71 11 00-2420 EA Electrified Mortise Lock Option	243.01	
<i>Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.</i>		
08 71 11 00-2421 EA 24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	127.45	31.76
08 71 11 00-2422 EA 1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	404.25	31.76
08 71 11 00-2423 EA 3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	704.85	31.76
08 71 11 00-2424 EA 4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,081.96	31.76
08 71 11 00-2425 EA 6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,195.72	31.76
08 71 11 00-2426 EA 9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,428.64	31.76

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2427 EA 15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,733.67	31.76
08 71 11 00-2428 EA 18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	107.75	31.76
08 71 11 00-2429 EA 24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	110.08	31.76
08 71 11 00-2430 EA 30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	124.33	31.76
08 71 11 00-2431 EA 45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	127.16	31.76
08 71 11 00-2432 EA 60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	128.60	31.76
08 71 11 00-2433 EA 72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	136.78	31.76
08 71 11 00-2434 EA 12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	109.23	31.76
08 71 11 00-2435 EA 18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	120.65	31.76
08 71 11 00-2436 EA 36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	129.70	31.76
08 71 11 00-2437 EA 49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	145.34	31.76
08 71 11 00-2438 EA 60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	149.68	31.76
08 71 11 00-2439 EA 12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	123.51	31.76
08 71 11 00-2440 EA 18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	139.51	31.76
08 71 11 00-2441 EA 18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	85.51	31.76
08 71 11 00-2442 EA 24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	97.88	31.76
08 71 11 00-2443 EA 30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	104.43	31.76
08 71 11 00-2444 EA 36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	111.43	31.76
08 71 11 00-2445 EA 60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	147.89	31.76
08 71 11 00-2446 EA 72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	163.12	31.76
08 71 11 00-2447 EA 12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	90.56	31.76
08 71 11 00-2448 EA 18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	95.33	31.76
08 71 11 00-2449 EA 24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	109.55	31.76
08 71 11 00-2450 EA 36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	132.16	31.76
08 71 11 00-2451 EA 48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	152.39	31.76
08 71 11 00-2452 EA 60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	185.61	31.76
08 71 11 00-2453 EA 12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	98.52	31.76
08 71 11 00-2454 EA 18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	105.84	31.76
08 71 11 00-2455 EA Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	739.61	31.76
08 71 11 00-2456 EA Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	804.90	44.46
08 71 11 00-2457 Magnetic Locks (08 71 11 00-2248)		
08 71 11 00-2458 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	863.14	152.44
08 71 11 00-2459 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	1,037.34	171.50
08 71 11 00-2460 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	1,013.42	152.44
08 71 11 00-2461 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,187.32	171.50
08 71 11 00-2462 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	1,059.81	165.15
08 71 11 00-2463 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	1,162.88	165.15
08 71 11 00-2464 EA Electromagnetic Lock, 1,500 lb. Holding Force, Aluminum (Schlage M490).....	1,243.11	165.15
08 71 11 00-2465 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	1,364.29	190.56
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2466 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,501.31	190.56
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2467 EA Electromagnetic Lock, 1,500 lb. Holding Force, Aluminum (Schlage M490P).....	1,563.03	190.56
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2468 EA 2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	467.27	63.51
08 71 11 00-2469 EA 4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	775.09	63.51
08 71 11 00-2470 EA 6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	935.07	63.51
08 71 11 00-2471 Occupancy Indicator Locks (08 71 11 00-2248)		
08 71 11 00-2472 EA Occupancy Indicator Deadbolt With Thumbturn (Schlage B571).....	153.41	31.75
Note: Standard finish is satin chrome		
For Bright Brass Finish, Add	5.09	
For Oil Rubbed Bronze Finish, Add	13.61	
For Aged Bronze Finish, Add	5.09	
For Satin Nickel Finish, Add	5.09	
08 71 11 00-2473 EA Occupancy Indicator Lock And Lever (Vizilock C3F).....	225.27	31.75
Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides		
For Oil Rubbed Bronze Finish, Add	5.53	
08 71 11 00-2474 Door Coordinators (08 71 11)		
08 71 11 00-2475 EA 32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series).....	530.13	39.70
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-148.54	
08 71 11 00-2476 EA 42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series).....	556.78	41.29
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-156.65	
08 71 11 00-2477 EA 52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series).....	569.97	42.87
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-159.39	
08 71 11 00-2478 EA 60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series).....	594.79	44.46
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-166.78	
08 71 11 00-2479 EA 72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series).....	637.82	46.05
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-181.44	
08 71 11 00-2480 EA Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	124.56	12.71
For Anodized Aluminum Finish, Deduct	-29.50	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2481	EA		Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")..... <i>For Anodized Aluminum Finish, Deduct</i>	137.16 -32.00	14.29
08 71 11 00-2482	EA		Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")..... <i>For Anodized Aluminum Finish, Deduct</i>	157.63 -37.65	15.88
08 71 11 00-2483	EA		Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	115.93	15.88
08 71 11 00-2484	EA		7" Projection COR Series Gravity Type Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	171.33 -30.42	23.81
08 71 11 00-2485	EA		9" Projection COR Series Gravity Type Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	183.50 -35.29	23.81
08 71 11 00-2486 Removal And Reinstallation Of Door Hardware (08 71 11)					
Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.					
08 71 11 00-2487	EA		Removal And Reinstallation Of Door Lockset, Entrance.....	95.28	
08 71 11 00-2488	EA		Removal And Reinstallation Of Door Lockset, Mortise.....	152.43	
08 71 11 00-2489	EA		Removal And Reinstallation Of Deadbolt Lock.....	101.63	
08 71 11 00-2490	PR		Removal And Reinstallation Of Butts/Hinges.....	25.40	
08 71 11 00-2491	EA		Removal And Reinstallation Of Door Bumper.....	8.89	
08 71 11 00-2492	EA		Removal And Reinstallation Of Surface Mounted Panic Device.....	254.07	
08 71 11 00-2493	EA		Removal And Reinstallation Of Kick Plate.....	31.75	
08 71 11 00-2494	EA		Removal And Reinstallation Of Push Plate.....	25.40	
08 71 11 00-2495	EA		Removal And Reinstallation Of Surface Mounted Door Closer Or Holder.....	127.04	
08 71 11 00-2496	EA		Removal And Reinstallation Of Door Handles.....	19.07	
08 71 11 00-2497 Electromagnetic Door Release (08 71 11)					
08 71 11 00-2498	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release.....	630.87	80.04
08 71 11 00-2499	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	615.75	80.04
08 71 11 00-2500	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	691.97	80.04
08 71 11 00-2501	EA		24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release.....	1,141.90	80.04
08 71 11 00-2502	EA		24 Volt DC, Sliding Door, Electro-Magnetic Door Release.....	1,101.79	80.04
08 71 11 00-2503	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release.....	1,101.79	80.04
08 71 11 00-2504	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release.....	1,003.65	80.04
08 71 11 00-2505	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release.....	1,251.76	80.04
08 71 11 00-2506	EA		Photo Electric Smoke Detector Suitable For Door Holder Release.....	1,193.20	80.04
08 71 11 00-2507	EA		Ionization Type Smoke Detector Suitable For Door Holder Release.....	1,472.52	80.04
08 71 11 00-2508	EA		Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	706.32	80.04
08 71 11 00-2509	EA		Flush Mount, Electromagnetic Door Holder (Sargent 1561)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	694.60	80.04
08 71 11 00-2510	EA		Floor Mount, Electromagnetic Door Holder (LCN SEM7820)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,061.04	80.04
08 71 11 00-2511	EA		Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	743.80	80.04
08 71 11 00-2512	EA		Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	743.80	80.04
08 71 11 00-2513	EA		Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	743.80	80.04
08 71 13 Automatic Door Operators (08 71)					
08 71 13 00-0001 Automatic Door Operators (LCN) (08 71 13)					
08 71 13 00-0002	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531)..... Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,061.87	158.79
08 71 13 00-0003	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542)..... Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,061.87	158.79
08 71 13 00-0004 Automatic Door Operators (Stanley) (08 71 13)					
08 71 13 00-0005	EA		Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990).....	4,108.42	254.07
08 71 13 00-0006	EA		6" Round Stainless Steel Actuator (Stanley CL2216).....	252.92	
08 71 13 00-0007	EA		Power Supply (Stanley Precision ELR151).....	884.95	
08 71 13 00-0008	EA		Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990)..... Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,127.09	127.04
08 71 13 00-0009	EA		Door Operator Free Standing Push Plate Post (Stanley CL2247)..... Note: Includes mounting post only	512.06	84.73
08 71 13 00-0010	EA		Dual Vestibule Push Plate Door Operator (Stanley CL2388)..... Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	357.22	51.29
08 71 13 00-0011	EA		Jamb Mount, Push Plate Door Operator (Stanley CL2055)..... Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	232.53	51.29
08 71 13 00-0012	EA		Touchless Plate Door Operator (Stanley CL2025)..... Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	352.94	51.29
08 71 13 00-0013	EA		Door Operator Push Plate Assembly (Stanley CL4976)..... Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,154.54	77.01

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0014			Miscellaneous Devices <small>(08 71 13)</small>		
08 71 13 00-0015	EA		Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches	561.22	47.64
08 71 13 00-0016	EA		Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	168.59	28.58
08 71 13 00-0017	EA		24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	213.16	28.58
08 71 13 00-0018	EA		Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....	121.27	28.58
08 71 53			Security Door Hardware <small>(08 71)</small>		
08 71 53 00-0001			Door Exit Alarm Hardware <small>(08 71 53)</small>		
08 71 53 00-0002	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	389.97	47.64
08 71 53 00-0003	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	538.89	47.64
08 71 53 00-0004	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300).....	453.58	47.64
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	585.29	47.64
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA		Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	680.29	63.51
08 71 53 00-0007	EA		Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....	120.11	63.51
			Note: For use with Detex EAX exit alarms.		
08 72			Weatherstripping, Thresholds and Seals <small>(08 70)</small>		
08 72 33			Weatherstripping and Seals <small>(08 72)</small>		
08 72 33 00-0001			Weather-Stripping And Seals <small>(08 72 33)</small>		
08 72 33 00-0002			Astragals <small>(08 72 33 00-0001)</small>		
			Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003			Adhesive Backed Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0004	LF		7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	4.71	0.96
08 72 33 00-0005	LF		1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	5.21	0.96
08 72 33 00-0006	LF		1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	4.07	0.96
08 72 33 00-0007			Overlapping Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0008			Aluminum, Overlapping Astragals <small>(08 72 33 00-0007)</small>		
08 72 33 00-0009	LF		2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	19.56	5.71
			<i>For Color Anodized Finish, Add</i>	2.48	
08 72 33 00-0010			Stainless Steel, Overlapping Astragals <small>(08 72 33 00-0007)</small>		
08 72 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	37.19	5.71
08 72 33 00-0012			"T" Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0013			Aluminum, "T" Astragals <small>(08 72 33 00-0012)</small>		
08 72 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	13.52	5.71
			<i>For Color Anodized Finish, Add</i>	0.78	
08 72 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	16.42	5.71
			<i>For Color Anodized Finish, Add</i>	1.02	
08 72 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	16.88	5.71
			<i>For Color Anodized Finish, Add</i>	1.95	
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR).....	29.30	5.71
			<i>For Color Anodized Finish, Add</i>	6.30	
08 72 33 00-0018			Brass/Bronze, "T" Astragals <small>(08 72 33 00-0012)</small>		
08 72 33 00-0019	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	85.16	5.71
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0020			Locking Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0021			Outswing Locking Astragals <small>(08 72 33 00-0020)</small>		
			Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022			Aluminum, Outswing Locking Astragals <small>(08 72 33 00-0021)</small>		
08 72 33 00-0023	LF		Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	38.44	5.71
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	5.43	



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0024	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	44.26	5.71
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	6.59	
08 72 33 00-0025	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	42.85	5.71
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	1.89	
08 72 33 00-0026	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	47.57	5.71
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	2.18	
08 72 33 00-0027			Inswing Locking Astragals (08 72 33 00-0020)		
			Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028			Wood, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0029	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	44.62	5.71
08 72 33 00-0030	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q).....	44.40	5.71
			Note: Includes kerf-in foam seal.		
08 72 33 00-0031			Aluminum, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0032	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV).....	26.25	5.71
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.99	
08 72 33 00-0033	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	31.11	5.71
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	3.96	
08 72 33 00-0034	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	28.09	5.71
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	3.36	
08 72 33 00-0035	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	32.90	5.71
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	4.32	
08 72 33 00-0036			Security Astragals (08 72 33 00-0002)		
08 72 33 00-0037	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	24.63	5.71
			<i>For Color Anodized Finish, Add</i>	13.33	
08 72 33 00-0038	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	39.93	5.71
08 72 33 00-0039			Meeting Stile Astragals (08 72 33 00-0002)		
08 72 33 00-0040			One Piece, Meeting Stile Astragals (08 72 33 00-0039)		
			Note: Includes an astragal for one door only.		
08 72 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	16.26	5.71
			<i>For Color Anodized Finish, Add</i>	1.49	
08 72 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	25.22	8.51
			<i>For Color Anodized Finish, Add</i>	3.30	
08 72 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	32.41	8.51
			<i>For Color Anodized Finish, Add</i>	1.55	
08 72 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	33.34	8.51
			<i>For Color Anodized Finish, Add</i>	4.10	
08 72 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	50.27	8.51
08 72 33 00-0046			Two Piece, Meeting Stile Split Astragals (08 72 33 00-0039)		
			Note: Includes one astragal for each door.		
08 72 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	20.76	8.51
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	3.80	
08 72 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	20.76	8.51
			<i>For Color Anodized Finish, Add</i>	3.80	
08 72 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	20.76	8.51
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	3.80	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0050 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	30.84	8.51
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	2.78	
08 72 33 00-0051 LF 3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	25.88	8.51
For Color Anodized Finish, Add	3.57	
08 72 33 00-0052 LF 5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	26.55	8.51
For Color Anodized Finish, Add	3.84	
08 72 33 00-0053 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	31.50	8.51
For Color Anodized Finish, Add	7.27	
For Silicone Insert, Add	0.95	
08 72 33 00-0054 LF 3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	32.17	8.51
For Color Anodized Finish, Add	6.08	
08 72 33 00-0055 LF 5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	32.83	8.51
For Color Anodized Finish, Add	6.35	
08 72 33 00-0056 Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0039)		
Note: Includes one astragal for each door.		
08 72 33 00-0057 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
08 72 33 00-0058 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	56.30	8.51
For Color Anodized Finish, Add	9.84	
For Silicone Insert, Add	0.63	
08 72 33 00-0059 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	57.33	8.51
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	8.07	
08 72 33 00-0060 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
08 72 33 00-0061 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	267.11	8.51
For Silicone Insert, Add	0.63	
08 72 33 00-0062 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	249.61	8.51
For Silicone Insert, Add	0.63	
08 72 33 00-0063 Door Sweeps (08 72 33 00-0001)		
08 72 33 00-0064 Tack On Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0065 LF For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	7.51	3.18
08 72 33 00-0066 LF For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	7.61	3.18
08 72 33 00-0067 LF For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	7.90	3.18
08 72 33 00-0068 Aluminum Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0069 35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)		
Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070 LF 5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	17.49	6.35
For Color Anodized Finish, Add	1.92	
08 72 33 00-0071 LF 1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	17.99	6.35
For Color Anodized Finish, Add	1.85	
08 72 33 00-0072 45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)		
Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073 LF 1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	25.92	6.35
For Color Anodized Finish, Add	5.29	
08 72 33 00-0074 LF 2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	27.91	6.35
For Color Anodized Finish, Add	6.08	
08 72 33 00-0075 LF 4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	32.20	6.35
For Color Anodized Finish, Add	7.80	
08 72 33 00-0076 90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077 LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	19.15	6.35
For Color Anodized Finish, Add	0.65	
08 72 33 00-0078 LF 5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	18.98	6.35
For Color Anodized Finish, Add	0.63	
08 72 33 00-0079 LF 1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	20.14	6.35
For Color Anodized Finish, Add	2.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0080	LF		1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) <i>For Color Anodized Finish, Add</i>	20.63 3.17	6.35
08 72 33 00-0081	LF		7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN) <i>For Color Anodized Finish, Add</i>	18.65 1.49	6.35
08 72 33 00-0082	LF		11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)..... <i>For Color Anodized Finish, Add</i>	23.28 2.12	6.35
08 72 33 00-0083	LF		15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)..... <i>For Color Anodized Finish, Add</i>	19.64 1.39	6.35
08 72 33 00-0084	LF		9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV)..... Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	15.30 1.30	6.35
08 72 33 00-0085	LF		1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV)..... Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	15.43 1.37	6.35
08 72 33 00-0086	LF		1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV)..... Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	16.83 1.45	6.35
08 72 33 00-0087			180 Degree, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0069)</small> Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088			180 Degree, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0087)</small>		
08 72 33 00-0089	LF		3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB) <i>For Color Anodized Finish, Add</i>	17.16 1.78	6.35
08 72 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB) <i>For Color Anodized Finish, Add</i>	17.49 1.92	6.35
08 72 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB) <i>For Color Anodized Finish, Add</i>	20.14 2.60	6.35
08 72 33 00-0092			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0087)</small>		
08 72 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB) <i>For Color Anodized Finish, Add</i>	20.30 3.04	6.35
08 72 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB) <i>For Color Anodized Finish, Add</i>	20.63 3.17	6.35
08 72 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB) <i>For Color Anodized Finish, Add</i>	22.02 3.73	6.35
08 72 33 00-0096			Mortised, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0068)</small> Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	15.68	6.35
08 72 33 00-0098	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	15.68	6.35
08 72 33 00-0099	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	15.84	6.35
08 72 33 00-0100			Aluminum Retainer Door Sweeps With Rain Drip <small>(08 72 33 00-0063)</small>		
08 72 33 00-0101			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip <small>(08 72 33 00-0100)</small> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)..... <i>For Color Anodized Finish, Add</i>	15.34 1.85	6.35
08 72 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)..... <i>For Color Anodized Finish, Add</i>	17.49 1.92	6.35
08 72 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)..... Note: Includes clear anodized finish. <i>For Color Anodized Finish, Add</i>	19.10 1.28	6.35
08 72 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)..... <i>For Color Anodized Finish, Add</i>	19.39 1.34	6.35
08 72 33 00-0106			Brass/Bronze Retainer Door Sweeps <small>(08 72 33 00-0063)</small>		
08 72 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps <small>(08 72 33 00-0106)</small> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN).....	22.62	6.35
08 72 33 00-0109			Oak Retainer Door Sweeps <small>(08 72 33 00-0063)</small>		
08 72 33 00-0110			90 Degree, Oak Retainer Door Sweeps <small>(08 72 33 00-0109)</small> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB).....	18.82	6.35
08 72 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB).....	21.42	6.35
08 72 33 00-0113			Door Shoes And Bottoms <small>(08 72 33 00-0001)</small>		
08 72 33 00-0114			Door Shoes <small>(08 72 33 00-0113)</small>		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0115		Aluminum Retainer Door Shoes (08 72 33 00-0114)		
08 72 33 00-0116		Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	16.67	6.35
		<i>For Color Anodized Finish, Add</i>	1.59	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	17.16	6.35
		<i>For Color Anodized Finish, Add</i>	1.78	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	21.96	6.35
		<i>For Color Anodized Finish, Add</i>	1.85	
08 72 33 00-0120		Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV).....	18.82	6.35
		<i>For Color Anodized Finish, Add</i>	2.45	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	17.49	6.35
		<i>For Color Anodized Finish, Add</i>	2.40	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	18.48	6.35
		<i>For Color Anodized Finish, Add</i>	2.31	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	18.82	6.35
		<i>For Color Anodized Finish, Add</i>	2.45	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV).....	25.54	6.35
		<i>For Color Anodized Finish, Add</i>	2.57	
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	25.87	6.35
		<i>For Color Anodized Finish, Add</i>	2.63	
08 72 33 00-0128		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	17.82	6.35
		<i>For Color Anodized Finish, Add</i>	2.56	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	18.82	6.35
		<i>For Color Anodized Finish, Add</i>	2.45	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	18.98	6.35
		<i>For Color Anodized Finish, Add</i>	2.51	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0132		Vinyl Door Shoes (08 72 33 00-0114)		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	21.06	6.35
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	24.82	6.35
08 72 33 00-0135		Door Bottoms (08 72 33 00-0113)		
08 72 33 00-0136		Automatic Door Bottoms (08 72 33 00-0135)		
08 72 33 00-0137		Aluminum Automatic Door Bottoms (08 72 33 00-0136)		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	34.47	6.35
		<i>For Color Anodized Finish, Add</i>	4.35	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	48.09	6.35
		<i>For Color Anodized Finish, Add</i>	7.08	
08 72 33 00-0140		Door Top Protection (08 72 33 00-0001)		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	13.78	5.08
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.99	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	13.78	5.08
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.99	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	18.74	5.08
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	2.35	
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door.....	70.03	
08 72 33 00-0145		Perimeter Gasketing Weather-Strip (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.35	3.18
		<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	4.39	3.18
		<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	6.23	3.18



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0150	LF		7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44).....	4.71	3.18
08 72 33 00-0151	LF		5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77).....	5.99	3.18
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0152	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	5.60	3.18
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0153	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	7.19	3.18
08 72 33 00-0154	LF		1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	6.70	3.18
08 72 33 00-0155			Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0156	LF		3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.95	3.18
08 72 33 00-0157	LF		7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	5.57	3.18
08 72 33 00-0158	LF		3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	4.34	3.18
08 72 33 00-0159	LF		5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	4.30	3.18
08 72 33 00-0160	LF		3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	5.40	3.18
08 72 33 00-0161			Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0162			Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0163	LF		1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	11.13	3.18
08 72 33 00-0164	LF		1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	11.13	3.18
08 72 33 00-0165	LF		1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	12.08	3.18
08 72 33 00-0166	LF		1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	12.28	3.18
08 72 33 00-0167			Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0168	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	10.61	3.18
08 72 33 00-0169	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	12.08	3.18
08 72 33 00-0170	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75).....	13.69	3.18
08 72 33 00-0171			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0172			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0173	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	8.25	3.18
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.90	
08 72 33 00-0174	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	8.25	3.18
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.90	
08 72 33 00-0175	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	8.25	3.18
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.90	
08 72 33 00-0176	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	13.29	3.18
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	1.39	
08 72 33 00-0177	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	13.62	3.18
			<i>For Color Anodized Finish, Add</i>	3.64	
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0178	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	13.62	3.18
			<i>For Color Anodized Finish, Add</i>	2.54	
08 72 33 00-0179			Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0180			Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0181	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	13.04	3.18
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0182			Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0183	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	14.35	3.18
08 72 33 00-0184			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0185			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0186 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	35.02	3.18
<i>For Silicone Insert, Add</i>	1.58	
08 72 33 00-0187 LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	60.71	3.18
08 72 33 00-0188 Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		
08 72 33 00-0189 Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)		
08 72 33 00-0190 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	52.17	3.18
<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0191 Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0192 LF Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A)	19.55	6.35
Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
<i>For Color Anodized Finish, Add</i>	2.74	
08 72 33 00-0193 LF Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR)	20.12	6.35
Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
<i>For Color Anodized Finish, Add</i>	2.97	
08 72 33 00-0194 Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00- 0145)		
Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195 LF Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	22.64	3.18
<i>For Color Anodized Finish, Add</i>	3.26	
08 72 33 00-0196 LF Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	23.80	3.18
<i>For Color Anodized Finish, Add</i>	3.49	
08 72 43 Thresholds (08 72)		
08 72 43 00-0001 Thresholds (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002 Metal Thresholds (08 72 43 00-0001)		
08 72 43 00-0003 Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0004 Aluminum Saddle Thresholds (08 72 43 00-0003) Note: Includes mill finish.		
08 72 43 00-0005 3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0006 LF 2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	31.67	10.16
<i>For Color Anodized Finish, Add</i>	2.51	
08 72 43 00-0007 1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0008 LF 3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	34.48	10.16
<i>For Color Anodized Finish, Add</i>	3.64	
08 72 43 00-0009 LF 4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	40.67	12.70
<i>For Color Anodized Finish, Add</i>	6.24	
08 72 43 00-0010 LF 5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	43.83	12.70
<i>For Color Anodized Finish, Add</i>	6.04	
08 72 43 00-0011 LF 6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	47.62	12.70
<i>For Color Anodized Finish, Add</i>	5.55	
08 72 43 00-0012 LF 7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	53.24	12.70
<i>For Color Anodized Finish, Add</i>	5.37	
08 72 43 00-0013 LF 8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	63.89	15.24
<i>For Color Anodized Finish, Add</i>	6.45	
08 72 43 00-0014 LF 9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	67.69	15.24
<i>For Color Anodized Finish, Add</i>	7.40	
08 72 43 00-0015 LF 10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	73.75	15.24
<i>For Color Anodized Finish, Add</i>	8.91	
08 72 43 00-0016 5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0017 LF 2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	33.99	10.16
<i>For Color Anodized Finish, Add</i>	3.01	
08 72 43 00-0018 1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0019 LF 3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	34.16	10.16
<i>For Color Anodized Finish, Add</i>	4.38	
08 72 43 00-0020 LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	42.00	12.70
<i>For Color Anodized Finish, Add</i>	7.18	



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0021 LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)..... <i>For Color Anodized Finish, Add</i>	45.22 6.74	12.70
08 72 43 00-0022 LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)..... <i>For Color Anodized Finish, Add</i>	47.95 5.67	12.70
08 72 43 00-0023 LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)..... <i>For Color Anodized Finish, Add</i>	53.24 5.37	12.70
08 72 43 00-0024 LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)..... <i>For Color Anodized Finish, Add</i>	65.88 9.72	15.24
08 72 43 00-0025 LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)..... <i>For Color Anodized Finish, Add</i>	69.35 12.50	15.24
08 72 43 00-0026 LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)..... <i>For Color Anodized Finish, Add</i>	72.82 13.88	15.24
08 72 43 00-0027 Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0029 LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	103.39	10.16
08 72 43 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0031 LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	163.03	10.16
08 72 43 00-0032 LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	196.90	12.70
08 72 43 00-0033 LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	238.19	12.70
08 72 43 00-0034 LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	278.33	12.70
08 72 43 00-0035 LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	324.20	12.70
08 72 43 00-0036 LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	416.58	15.24
08 72 43 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0038 LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	215.25	12.70
08 72 43 00-0039 LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	261.13	12.70
08 72 43 00-0040 LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	307.00	12.70
08 72 43 00-0041 LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	364.35	12.70
08 72 43 00-0042 LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	517.89	15.24
08 72 43 00-0043 LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	491.59	15.24
08 72 43 00-0044 Stainless Steel Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0045 1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)		
08 72 43 00-0046 LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	180.84	12.70
08 72 43 00-0047 LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	192.31	12.70
08 72 43 00-0048 Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0049 Aluminum Half Saddle Thresholds (08 72 43 00-0048)		
Note: Includes mill finish.		
08 72 43 00-0050 3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)		
08 72 43 00-0051 LF 5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)..... <i>For Color Anodized Finish, Add</i>	48.33 6.63	12.70
08 72 43 00-0052 LF 7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)..... <i>For Color Anodized Finish, Add</i>	60.34 2.86	12.70
08 72 43 00-0053 Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054 Aluminum Offset Saddle Thresholds (08 72 43 00-0053)		
Note: Includes mill finish.		
08 72 43 00-0055 1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056 LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)..... <i>For Color Anodized Finish, Add</i>	48.44 8.35	12.70
08 72 43 00-0057 LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)..... <i>For Color Anodized Finish, Add</i>	52.74 7.35	12.70
08 72 43 00-0058 3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059 LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)..... <i>For Color Anodized Finish, Add</i>	48.44 8.35	12.70
08 72 43 00-0060 1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061 LF 7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)..... <i>For Color Anodized Finish, Add</i>	54.39 7.92	12.70
08 72 43 00-0062 Modular Ramp Thresholds (08 72 43 00-0001)		
Note: Includes mill finish.		
08 72 43 00-0063 Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0064 LF 6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	49.34	12.70
<i>For Non-Slip Surfacing, Add</i>	71.85	
08 72 43 00-0065 LF 9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	60.73	13.97
<i>For Non-Slip Surfacing, Add</i>	91.81	
08 72 43 00-0066 LF 12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	76.36	15.87
<i>For Non-Slip Surfacing, Add</i>	124.91	
08 72 43 00-0067 LF 15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	95.38	16.50
<i>For Non-Slip Surfacing, Add</i>	168.37	
08 72 43 00-0068 LF 18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	110.35	17.78
<i>For Non-Slip Surfacing, Add</i>	224.40	
08 72 43 00-0069 LF 21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	135.62	19.68
<i>For Non-Slip Surfacing, Add</i>	250.28	
08 72 43 00-0070 LF 24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	151.11	21.59
<i>For Non-Slip Surfacing, Add</i>	280.62	
08 72 43 00-0071 LF 28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	160.26	22.86
<i>For Non-Slip Surfacing, Add</i>	286.35	
08 72 43 00-0072 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0073 LF 12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	80.93	15.87
<i>For Non-Slip Surfacing, Add</i>	132.79	
08 72 43 00-0074 LF 15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	94.02	16.50
<i>For Non-Slip Surfacing, Add</i>	164.70	
08 72 43 00-0075 LF 18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	116.85	19.05
<i>For Non-Slip Surfacing, Add</i>	204.75	
08 72 43 00-0076 LF 22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	136.37	20.32
<i>For Non-Slip Surfacing, Add</i>	248.92	
08 72 43 00-0077 LF 25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	155.83	21.59
<i>For Non-Slip Surfacing, Add</i>	292.89	
08 72 43 00-0078 LF 28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	170.03	22.86
<i>For Non-Slip Surfacing, Add</i>	323.23	
08 72 43 00-0079 LF 31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	206.53	24.13
<i>For Non-Slip Surfacing, Add</i>	411.53	
08 72 43 00-0080 7" Top Plate, Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0081 LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	93.06	17.15
<i>For Non-Slip Surfacing, Add</i>	164.56	
08 72 43 00-0082 LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	108.69	19.05
<i>For Non-Slip Surfacing, Add</i>	197.65	
08 72 43 00-0083 LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	128.97	20.32
<i>For Non-Slip Surfacing, Add</i>	238.52	
08 72 43 00-0084 LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	143.96	21.59
<i>For Non-Slip Surfacing, Add</i>	272.11	
08 72 43 00-0085 LF 28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	167.95	22.86
<i>For Non-Slip Surfacing, Add</i>	317.82	
08 72 43 00-0086 LF 31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	182.15	24.13
<i>For Non-Slip Surfacing, Add</i>	348.14	
08 72 43 00-0087 LF 35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	209.08	25.39
<i>For Non-Slip Surfacing, Add</i>	395.70	
08 72 43 00-0088 Accessories For Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0089 Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0088)</small>		
08 72 43 00-0090 PR Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	209.42	15.87
<i>For Non-Slip Surfacing, Add</i>	21.32	
08 72 43 00-0091 PR >1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	318.23	15.87
<i>For Non-Slip Surfacing, Add</i>	34.38	
08 72 43 00-0092 PR >1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	625.66	22.23
<i>For Non-Slip Surfacing, Add</i>	69.75	
08 72 43 00-0093 Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0088)</small>		
08 72 43 00-0094 PR Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	209.42	15.87
<i>For Non-Slip Surfacing, Add</i>	21.32	
08 72 43 00-0095 PR >1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	318.23	15.87
<i>For Non-Slip Surfacing, Add</i>	34.38	
08 72 43 00-0096 PR >1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	625.66	22.23
<i>For Non-Slip Surfacing, Add</i>	69.75	
08 72 43 00-0097 Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0001)</small>		
Note: Includes vinyl or pile seal.		
08 72 43 00-0098 Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0097)</small>		
Note: Includes mill finish.		
08 72 43 00-0099 Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0098)</small>		
08 72 43 00-0100 7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0099)</small>		



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP).....	57.04	12.70
			<i>For Color Anodized Finish, Add</i>	8.85	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP).....	48.61	12.70
			<i>For Color Anodized Finish, Add</i>	8.43	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP).....	62.33	12.70
			<i>For Color Anodized Finish, Add</i>	10.70	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP).....	64.64	12.70
			<i>For Color Anodized Finish, Add</i>	11.51	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP).....	46.62	12.70
			<i>For Color Anodized Finish, Add</i>	7.44	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP).....	48.94	12.70
			<i>For Color Anodized Finish, Add</i>	8.60	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)		
08 72 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP).....	51.42	12.70
			<i>For Color Anodized Finish, Add</i>	7.87	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP).....	53.57	12.70
			<i>For Color Anodized Finish, Add</i>	8.73	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP).....	56.71	12.70
			<i>For Color Anodized Finish, Add</i>	8.74	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP).....	60.26	12.70
			<i>For Color Anodized Finish, Add</i>	9.98	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV).....	309.30	12.70
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV).....	286.36	12.70
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV).....	414.81	12.70
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV).....	370.31	12.70
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV).....	304.25	12.70
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)		
08 72 43 00-0125	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV).....	312.54	13.97
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0126	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV).....	328.36	13.97
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0127	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV).....	413.92	13.97
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0128	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV).....	375.48	14.60
			<i>For Thermoseal, Add</i>	0.63	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0129 Carpet Separator Thresholds (08 72 43 00-0001)		
08 72 43 00-0130 Aluminum, Carpet Separator Thresholds (08 72 43 00-0129) Note: Includes mill finish.		
08 72 43 00-0131 3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0132 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C).....	35.47	10.16
For Color Anodized Finish, Add	4.03	
08 72 43 00-0133 7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0134 LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	29.17	8.89
For Color Anodized Finish, Add	2.43	
08 72 43 00-0135 LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	44.15	10.16
For Color Anodized Finish, Add	4.96	
08 72 43 00-0136 LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	51.09	10.16
For Color Anodized Finish, Add	7.74	
08 72 43 00-0137 1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0138 LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	27.02	8.89
For Color Anodized Finish, Add	1.20	
08 72 43 00-0139 3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0140 LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	29.17	8.89
For Color Anodized Finish, Add	2.08	
08 72 43 00-0141 LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	44.64	12.70
For Color Anodized Finish, Add	5.16	
08 72 43 00-0142 LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	46.62	12.70
For Color Anodized Finish, Add	4.46	
08 72 43 00-0143 Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0129)		
08 72 43 00-0144 3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0145 LF 2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	165.54	10.16
08 72 43 00-0146 7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0147 LF 1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	220.93	8.89
08 72 43 00-0148 LF 4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	198.05	12.70
08 72 43 00-0149 Vinyl Transition Thresholds (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150 Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151 LF 2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	41.53	10.16
08 72 43 00-0152 Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153 LF 2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	41.53	10.16
08 72 43 00-0154 Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155 LF 3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	45.49	12.70
08 72 43 00-0156 Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157 LF 3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	48.17	12.70
08 72 43 00-0158 Residential Thresholds (08 72 43 00-0001)		
08 72 43 00-0159 Wood Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0160 LF 1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	18.90	6.35
08 72 43 00-0161 LF 1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	19.45	6.35
08 72 43 00-0162 LF 3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	25.31	6.76
08 72 43 00-0163 LF 3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	25.78	7.01
08 72 43 00-0164 LF 5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	37.31	7.21
08 72 43 00-0165 Vinyl Top, Wood Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0166 LF 1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	21.93	6.35
08 72 43 00-0167 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	26.28	7.01
08 72 43 00-0168 LF 3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	45.62	7.01



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0169 Vinyl Top, Aluminum Residential Thresholds <small>(08 72 43 00-0158)</small>		
08 72 43 00-0170 LF 1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	21.99	6.35
<i>For Color Anodized Finish, Add</i>	2.45	
08 72 43 00-0171 LF 3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	25.45	7.01
<i>For Color Anodized Finish, Add</i>	3.17	
08 72 43 00-0172 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	26.78	7.01
<i>For Color Anodized Finish, Add</i>	3.70	
08 72 43 00-0173 Interlocking Residential Thresholds <small>(08 72 43 00-0158)</small>		
08 72 43 00-0174 Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0173)</small>		
08 72 43 00-0175 1/2" Height, Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0174)</small>		
08 72 43 00-0176 LF 4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	44.97	7.21
<i>For Color Anodized Finish, Add</i>	8.08	
08 72 43 00-0177 5/8" Height, Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0174)</small>		
08 72 43 00-0178 LF 3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	30.94	6.76
<i>For Color Anodized Finish, Add</i>	4.22	
08 72 43 00-0179 LF 3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	28.59	7.01
<i>For Color Anodized Finish, Add</i>	5.54	
08 72 43 00-0180 LF 4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	32.74	7.21
<i>For Color Anodized Finish, Add</i>	4.41	
08 72 43 00-0181 7/8" Height, Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0174)</small>		
08 72 43 00-0182 LF 4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	35.38	7.21
<i>For Color Anodized Finish, Add</i>	8.68	
08 72 43 00-0183 Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0173)</small>		
08 72 43 00-0184 1/2" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0183)</small>		
08 72 43 00-0185 LF 4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	230.20	7.21
08 72 43 00-0186 5/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0183)</small>		
08 72 43 00-0187 LF 3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	172.35	7.01
08 72 43 00-0188 7/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0183)</small>		
08 72 43 00-0189 LF 4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	235.94	7.21
08 72 43 00-0190 LF 5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	339.67	7.41
08 72 43 00-0191 Residential Door Sills <small>(08 72 43 00-0001)</small>		
08 72 43 00-0192 Fixed Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0193 LF 4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	27.45	7.21
<i>For Color Anodized Finish, Add</i>	4.71	
08 72 43 00-0194 LF 5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	29.26	7.41
<i>For Color Anodized Finish, Add</i>	4.29	
08 72 43 00-0195 Adjustable Aluminum Top, Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0196 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	37.55	7.21
<i>For Color Anodized Finish, Add</i>	6.83	
08 72 43 00-0197 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A).....	38.54	7.41
<i>For Color Anodized Finish, Add</i>	7.00	
08 72 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0199 LF 3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	37.82	7.01
<i>For Color Anodized Finish, Add</i>	7.11	
08 72 43 00-0200 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	38.34	7.21
<i>For Color Anodized Finish, Add</i>	5.08	
08 72 43 00-0201 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	39.95	7.41
<i>For Color Anodized Finish, Add</i>	5.35	
08 72 43 00-0202 Extenders For Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0203 LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A).....	16.83	6.35
<i>For Color Anodized Finish, Add</i>	2.89	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0204 LF 2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)..... <i>For Color Anodized Finish, Add</i>	18.15 2.73	6.35
08 72 43 00-0205 LF 3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)..... <i>For Color Anodized Finish, Add</i>	19.48 1.70	6.35
08 72 43 00-0206 Stone Thresholds (08 72 43 00-0001)		
08 72 43 00-0207 Marble Thresholds (08 72 43 00-0206)		
08 72 43 00-0208 LF 2" Width, 5/8" Height, Plain Marble Threshold.....	20.69	8.23
08 72 43 00-0209 LF 4" Width, 5/8" Height, Plain Marble Threshold.....	22.45	8.23
08 72 43 00-0210 LF 6" Width, 5/8" Height, Plain Marble Threshold.....	24.81	8.23
08 72 43 00-0211 LF 4" Width, 7/8" Height, Plain Marble Threshold.....	30.15	8.23
08 72 43 00-0212 LF 6" Width, 7/8" Height, Plain Marble Threshold.....	36.36	8.23
08 72 43 00-0213 Corian Thresholds (08 72 43 00-0206)		
08 72 43 00-0214 LF Up To 5-3/4" Width, Corian Threshold.....	91.21	10.54
08 75 Window Hardware (08 70)		
08 75 13 Automatic Window Equipment (08 75)		
08 75 13 00-0001 Window Opener Electric, With 1/2 HP Motor (08 75 13)		
08 75 13 00-0002 EA Gym Window Electronic Opener.....	2,026.33	270.59
08 78 Special Function Hardware (08 70)		
08 78 00 00-0001 Pad Locks (08 78)		
08 78 00 00-0002 EA Combination Padlock.....	23.74	6.35
08 78 00 00-0003 EA Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	52.00	6.35
08 78 00 00-0004 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	48.17	6.35
08 78 00 00-0005 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	52.92	6.35
08 78 00 00-0006 EA Commercial U-Bar Lock.....	63.89	6.35
08 78 00 00-0007 EA Weather Tough Padlocks Keyed Alike.....	53.87	6.35
08 78 00 00-0008 EA High Security Padlocks.....	48.80	6.35
08 78 00 00-0009 EA Standard Key, Medium Security Padlock Keyed Alike.....	26.53	6.35
08 79 Hardware Accessories (08 70)		
08 79 13 Key Storage Equipment (08 79)		
08 79 13 00-0001 Key Cabinet (08 79 13)		
08 79 13 00-0002 Key Cabinets (08 79 13 00-0001)		
08 79 13 00-0003 EA Wall Mounted Key Cabinet, Up To 30 Keys.....	560.11	22.86
08 79 13 00-0004 EA Wall Mounted Key Cabinet, Up To 60 Keys.....	757.16	25.39
08 79 13 00-0005 EA Wall Mounted Key Cabinet, Up To 240 Keys.....	1,703.75	38.10
08 79 13 00-0006 EA Wall Mounted Key Cabinet, Up To 1,200 Keys.....	4,402.70	50.80
08 79 13 00-0007 EA Drawer Type Key Cabinet, Up To 600 Keys.....	4,702.96	33.65
08 79 13 00-0008 EA Drawer Type Key Cabinet, Up To 2,400 Keys.....	10,636.38	25.39
08 79 13 00-0009 EA Tray Type Key Cabinet, Up To 20 Keys.....	235.38	10.16
08 79 13 00-0010 EA Tray Type Key Cabinet, Up To 50 Keys.....	336.03	12.70
08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)		
08 79 13 00-0012 EA Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	320.07	19.06
08 79 13 00-0013 EA Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	363.08	19.06
08 79 13 00-0014 EA Relocate 10" Wide x 12" High x 3" Deep Metal Key Box..... Note: Including Storage And Cleaning	64.79	
08 79 13 00-0015 EA Relocate Heavy Duty Key Box, With Combo Lock Door..... Note: Including Storage And Cleaning	146.10	
08 80 Glazing (08)		
Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.		
08 81 Glass Glazing (08 80)		
08 81 23 Exterior Glass Glazing (08 81)		
08 81 23 13 Factory Installed Glass Glazing (08 81 23)		
08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)		
08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001) Note: Type I, Class I, Quality Q3.		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0003 SF 1/8" Thick, Clear Float Factory Installed Glass.....	7.65	
For >50 To 200, Deduct	-0.23	
For >200 To 400, Deduct	-0.46	
For >400, Deduct	-0.69	
For Tinted Glass, Add	1.91	
For Reflective Coated Glass, Add	3.44	
For Low-E Coated Glass, Add	1.91	
08 81 23 13-0004 SF 3/16" Thick, Clear Float Factory Installed Glass.....	8.20	
For >50 To 200, Deduct	-0.25	
For >200 To 400, Deduct	-0.49	
For >400, Deduct	-0.74	
For Tinted Glass, Add	2.05	
For Reflective Coated Glass, Add	3.69	
For Low-E Coated Glass, Add	2.05	
08 81 23 13-0005 SF 1/4" Thick, Clear Float Factory Installed Glass.....	9.94	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.60	
For >400, Deduct	-0.89	
For Tinted Glass, Add	2.49	
For Reflective Coated Glass, Add	4.47	
For Low-E Coated Glass, Add	2.49	
08 81 23 13-0006 SF 5/16" Thick, Clear Float Factory Installed Glass.....	16.53	
For >50 To 200, Deduct	-0.50	
For >200 To 400, Deduct	-0.99	
For >400, Deduct	-1.49	
For Tinted Glass, Add	4.13	
For Reflective Coated Glass, Add	7.44	
For Low-E Coated Glass, Add	4.13	
08 81 23 13-0007 SF 3/8" Thick, Clear Float Factory Installed Glass.....	24.05	
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.44	
For >400, Deduct	-2.16	
For Tinted Glass, Add	6.01	
For Reflective Coated Glass, Add	10.82	
For Low-E Coated Glass, Add	6.01	
08 81 23 13-0008 SF 1/2" Thick, Clear Float Factory Installed Glass.....	26.43	
For >50 To 200, Deduct	-0.79	
For >200 To 400, Deduct	-1.59	
For >400, Deduct	-2.38	
For Tinted Glass, Add	6.61	
For Reflective Coated Glass, Add	11.89	
For Low-E Coated Glass, Add	6.61	
08 81 23 13-0009 SF 5/8" Thick, Clear Float Factory Installed Glass.....	31.61	
For >50 To 200, Deduct	-0.95	
For >200 To 400, Deduct	-1.90	
For >400, Deduct	-2.84	
For Tinted Glass, Add	7.90	
For Reflective Coated Glass, Add	14.22	
For Low-E Coated Glass, Add	7.90	
08 81 23 13-0010 SF 3/4" Thick, Clear Float Factory Installed Glass.....	39.05	
For >50 To 200, Deduct	-1.17	
For >200 To 400, Deduct	-2.34	
For >400, Deduct	-3.51	
For Tinted Glass, Add	9.76	
For Reflective Coated Glass, Add	17.57	
For Low-E Coated Glass, Add	9.76	
08 81 23 13-0011 Heat Treated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013 SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass.....	11.37	
For >50 To 200, Deduct	-0.34	
For >200 To 400, Deduct	-0.68	
For >400, Deduct	-1.02	
For Tinted Glass, Add	2.84	
For Reflective Coated Glass, Add	5.12	
For Low-E Coated Glass, Add	2.84	
08 81 23 13-0014 SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass.....	12.16	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.73	
For >400, Deduct	-1.09	
For Tinted Glass, Add	3.04	
For Reflective Coated Glass, Add	5.47	
For Low-E Coated Glass, Add	3.04	
08 81 23 13-0015 SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass.....	14.78	
For >50 To 200, Deduct	-0.44	
For >200 To 400, Deduct	-0.89	
For >400, Deduct	-1.33	
For Tinted Glass, Add	3.70	
For Reflective Coated Glass, Add	6.65	
For Low-E Coated Glass, Add	3.70	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0016 SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass	24.62	
For >50 To 200, Deduct	-0.74	
For >200 To 400, Deduct	-1.48	
For >400, Deduct	-2.22	
For Tinted Glass, Add	6.16	
For Reflective Coated Glass, Add	11.08	
For Low-E Coated Glass, Add	6.16	
08 81 23 13-0017 SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass	35.77	
For >50 To 200, Deduct	-1.07	
For >200 To 400, Deduct	-2.15	
For >400, Deduct	-3.22	
For Tinted Glass, Add	8.94	
For Reflective Coated Glass, Add	16.10	
For Low-E Coated Glass, Add	8.94	
08 81 23 13-0018 SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass	39.30	
For >50 To 200, Deduct	-1.18	
For >200 To 400, Deduct	-2.36	
For >400, Deduct	-3.54	
For Tinted Glass, Add	9.83	
For Reflective Coated Glass, Add	17.69	
For Low-E Coated Glass, Add	9.83	
08 81 23 13-0019 SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass	47.01	
For >50 To 200, Deduct	-1.41	
For >200 To 400, Deduct	-2.82	
For >400, Deduct	-4.23	
For Tinted Glass, Add	11.75	
For Reflective Coated Glass, Add	21.15	
For Low-E Coated Glass, Add	11.75	
08 81 23 13-0020 SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass	58.08	
For >50 To 200, Deduct	-1.74	
For >200 To 400, Deduct	-3.48	
For >400, Deduct	-5.23	
For Tinted Glass, Add	14.52	
For Reflective Coated Glass, Add	26.14	
For Low-E Coated Glass, Add	14.52	
08 81 23 13-0021 Patterned Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0022 Rough Obscure, Factory Installed Glass <small>(08 81 23 13-0021)</small>		
Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023 SF 1/4" Thick, Rough Obscure, Factory Installed Glass	38.49	
08 81 23 13-0024 Patterned, Figured Factory Installed Glass <small>(08 81 23 13-0021)</small>		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025 SF 1/8" Thick, Patterned, Figured Factory Installed Glass	23.38	
08 81 23 13-0026 SF 7/32" Thick, Patterned, Figured Factory Installed Glass	23.38	
08 81 23 13-0027 Wired Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass <small>(08 81 23 13-0027)</small>		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass	60.52	
08 81 23 13-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	60.52	
08 81 23 13-0031 Polished, Wired Factory Installed Glass <small>(08 81 23 13-0027)</small>		
08 81 23 13-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass	66.16	
08 81 23 13-0033 Frosted Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0034 Frosted Factory Installed Glass <small>(08 81 23 13-0033)</small>		
08 81 23 13-0035 SF 1/8" Thick, Frosted Factory Installed Glass	30.60	
For >50 To 200, Deduct	-0.92	
For >200 To 400, Deduct	-1.84	
For >400, Deduct	-2.75	
08 81 23 13-0036 SF 3/16" Thick, Frosted Factory Installed Glass	40.15	
For >50 To 200, Deduct	-1.20	
For >200 To 400, Deduct	-2.41	
For >400, Deduct	-3.61	
08 81 23 13-0037 SF 1/4" Thick, Frosted Factory Installed Glass	50.75	
For >50 To 200, Deduct	-1.52	
For >200 To 400, Deduct	-3.05	
For >400, Deduct	-4.57	
08 81 23 13-0038 SF 3/8" Thick, Frosted Factory Installed Glass	75.86	
For >50 To 200, Deduct	-2.28	
For >200 To 400, Deduct	-4.55	
For >400, Deduct	-6.83	
08 81 23 13-0039 Fire Rated Factory Installed Glass <small>(08 81 23 13)</small>		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0040 Fire Rated Factory Installed Glass <small>(08 81 23 13-0039)</small>		
08 81 23 13-0041 SF 20 Minute, Fire Rated Factory Installed Glass.....	46.95	
08 81 23 13-0042 SF 45 Minute, Fire Rated Factory Installed Glass.....	93.48	
08 81 23 13-0043 SF 60 Minute, Fire Rated Factory Installed Glass.....	144.46	
08 81 23 13-0044 SF 90 Minute, Fire Rated Factory Installed Glass.....	191.20	
08 81 23 13-0045 Laminated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0046 Laminated Glass With PVB Interlayer, Factory Installed Glass <small>(08 81 23 13-0045)</small>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	26.53	
For >50 To 200, Deduct	-0.80	
For >200 To 400, Deduct	-1.59	
For >400, Deduct	-2.39	
For Tinted Glass, Add	5.31	
For Reflective Coated Glass, Add	7.96	
For Low-E Coated Glass, Add	6.63	
For One Piece Heat Strengthened Glass, Add	5.31	
For One Piece Fully Tempered Glass, Add	5.31	
08 81 23 13-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	33.12	
For >50 To 200, Deduct	-0.99	
For >200 To 400, Deduct	-1.99	
For >400, Deduct	-2.98	
For Tinted Glass, Add	6.62	
For Reflective Coated Glass, Add	9.94	
For Low-E Coated Glass, Add	8.28	
For One Piece Heat Strengthened Glass, Add	6.62	
For One Piece Fully Tempered Glass, Add	6.62	
08 81 23 13-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	38.26	
For >50 To 200, Deduct	-1.15	
For >200 To 400, Deduct	-2.30	
For >400, Deduct	-3.44	
For Tinted Glass, Add	7.65	
For Reflective Coated Glass, Add	11.48	
For Low-E Coated Glass, Add	9.57	
For One Piece Heat Strengthened Glass, Add	7.65	
For One Piece Fully Tempered Glass, Add	7.65	
08 81 23 13-0050 Insulated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0051 Insulated, Factory Installed Glass <small>(08 81 23 13-0050)</small>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052 3/16" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053 SF 3/8" Thick, Insulated Factory Installed Glass.....	18.77	
Note: Two 3/32" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.56	
For >200 To 400, Deduct	-1.13	
For >400, Deduct	-1.69	
For Tinted Glass, Add	2.82	
For Reflective Coated Glass, Add	5.63	
For Low-E Coated Glass, Add	4.69	
For One Piece Heat Strengthened Glass, Add	3.75	
For One Piece Fully Tempered Glass, Add	3.75	
For One Piece Obscure Glass, Add	7.98	
For Argon Gas, Add	2.58	
08 81 23 13-0054 SF 1/2" Thick, Insulated Factory Installed Glass.....	20.51	
Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.23	
For >400, Deduct	-1.85	
For Tinted Glass, Add	3.08	
For Reflective Coated Glass, Add	6.15	
For Low-E Coated Glass, Add	5.13	
For One Piece Heat Strengthened Glass, Add	4.10	
For One Piece Fully Tempered Glass, Add	4.10	
For One Piece Obscure Glass, Add	8.72	
For Argon Gas, Add	2.82	
08 81 23 13-0055 SF 9/16" Thick, Insulated Factory Installed Glass.....	20.55	
Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.23	
For >400, Deduct	-1.85	
For Tinted Glass, Add	3.08	
For Reflective Coated Glass, Add	6.17	
For Low-E Coated Glass, Add	5.14	
For One Piece Heat Strengthened Glass, Add	4.11	
For One Piece Fully Tempered Glass, Add	4.11	
For One Piece Obscure Glass, Add	8.73	
For Argon Gas, Add	2.83	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0056			1/4" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF		7/16" Thick, Insulated Factory Installed Glass 19.33 Note: Two 3/32" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.58	
			For >200 To 400, Deduct	-1.16	
			For >400, Deduct	-1.74	
			For Tinted Glass, Add	2.90	
			For Reflective Coated Glass, Add	5.80	
			For Low-E Coated Glass, Add	4.83	
			For One Piece Heat Strengthened Glass, Add	3.87	
			For One Piece Fully Tempered Glass, Add	3.87	
			For One Piece Obscure Glass, Add	8.22	
			For Argon Gas, Add	2.66	
08 81 23 13-0058	SF		1/2" Thick, Insulated Factory Installed Glass 20.51 Note: Two 1/8" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.62	
			For >200 To 400, Deduct	-1.23	
			For >400, Deduct	-1.85	
			For Tinted Glass, Add	3.08	
			For Reflective Coated Glass, Add	6.15	
			For Low-E Coated Glass, Add	5.13	
			For One Piece Heat Strengthened Glass, Add	4.10	
			For One Piece Fully Tempered Glass, Add	4.10	
			For One Piece Obscure Glass, Add	8.72	
			For Argon Gas, Add	2.82	
08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass 20.75 Note: Two 3/16" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.62	
			For >200 To 400, Deduct	-1.25	
			For >400, Deduct	-1.87	
			For Tinted Glass, Add	3.11	
			For Reflective Coated Glass, Add	6.23	
			For Low-E Coated Glass, Add	5.19	
			For One Piece Heat Strengthened Glass, Add	4.15	
			For One Piece Fully Tempered Glass, Add	4.15	
			For One Piece Obscure Glass, Add	8.82	
			For Argon Gas, Add	2.85	
08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass 20.75 Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
			For >50 To 200, Deduct	-0.62	
			For >200 To 400, Deduct	-1.25	
			For >400, Deduct	-1.87	
			For Tinted Glass, Add	3.11	
			For Reflective Coated Glass, Add	6.23	
			For Low-E Coated Glass, Add	5.19	
			For One Piece Heat Strengthened Glass, Add	4.15	
			For One Piece Fully Tempered Glass, Add	4.15	
			For One Piece Obscure Glass, Add	8.82	
			For Argon Gas, Add	2.85	
08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass 23.71 Note: Two 1/4" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.71	
			For >200 To 400, Deduct	-1.42	
			For >400, Deduct	-2.13	
			For Tinted Glass, Add	3.56	
			For Reflective Coated Glass, Add	7.11	
			For Low-E Coated Glass, Add	5.93	
			For One Piece Heat Strengthened Glass, Add	4.74	
			For One Piece Fully Tempered Glass, Add	4.74	
			For One Piece Obscure Glass, Add	10.08	
			For Argon Gas, Add	3.26	
08 81 23 13-0062			3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF		5/8" Thick, Insulated Factory Installed Glass 20.75 Note: Two 1/8" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.62	
			For >200 To 400, Deduct	-1.25	
			For >400, Deduct	-1.87	
			For Tinted Glass, Add	3.11	
			For Reflective Coated Glass, Add	6.23	
			For Low-E Coated Glass, Add	5.19	
			For One Piece Heat Strengthened Glass, Add	4.15	
			For One Piece Fully Tempered Glass, Add	4.15	
			For One Piece Obscure Glass, Add	8.82	
			For Argon Gas, Add	2.85	



Openings	08	
Glazing	08 80	08
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0064 SF 3/4" Thick, Insulated Factory Installed Glass .....21.74 Note: Two 3/16" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.65	
For >200 To 400, Deduct	-1.30	
For >400, Deduct	-1.96	
For Tinted Glass, Add	3.26	
For Reflective Coated Glass, Add	6.52	
For Low-E Coated Glass, Add	5.44	
For One Piece Heat Strengthened Glass, Add	4.35	
For One Piece Fully Tempered Glass, Add	4.35	
For One Piece Obscure Glass, Add	9.24	
For Argon Gas, Add	2.99	
08 81 23 13-0065 SF 7/8" Thick, Insulated Factory Installed Glass .....24.11 Note: Two 1/4" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Tinted Glass, Add	3.62	
For Reflective Coated Glass, Add	7.23	
For Low-E Coated Glass, Add	6.03	
For One Piece Heat Strengthened Glass, Add	4.82	
For One Piece Fully Tempered Glass, Add	4.82	
For One Piece Obscure Glass, Add	10.25	
For Argon Gas, Add	3.32	
08 81 23 13-0066 SF 1" Thick, Insulated Factory Installed Glass .....27.23 Note: Two 5/16" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.82	
For >200 To 400, Deduct	-1.63	
For >400, Deduct	-2.45	
For Tinted Glass, Add	4.08	
For Reflective Coated Glass, Add	8.17	
For Low-E Coated Glass, Add	6.81	
For One Piece Heat Strengthened Glass, Add	5.45	
For One Piece Fully Tempered Glass, Add	5.45	
For One Piece Obscure Glass, Add	11.57	
For Argon Gas, Add	3.74	
08 81 23 13-0067 1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068 SF 3/4" Thick, Insulated Factory Installed Glass .....21.74 Note: Two 1/8" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.65	
For >200 To 400, Deduct	-1.30	
For >400, Deduct	-1.96	
For Tinted Glass, Add	3.26	
For Reflective Coated Glass, Add	6.52	
For Low-E Coated Glass, Add	5.44	
For One Piece Heat Strengthened Glass, Add	4.35	
For One Piece Fully Tempered Glass, Add	4.35	
For One Piece Obscure Glass, Add	9.24	
For Argon Gas, Add	2.99	
08 81 23 13-0069 SF 7/8" Thick, Insulated Factory Installed Glass .....24.11 Note: Two 3/16" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Tinted Glass, Add	3.62	
For Reflective Coated Glass, Add	7.23	
For Low-E Coated Glass, Add	6.03	
For One Piece Heat Strengthened Glass, Add	4.82	
For One Piece Fully Tempered Glass, Add	4.82	
For One Piece Obscure Glass, Add	10.25	
For Argon Gas, Add	3.32	
08 81 23 13-0070 SF 7/8" Thick, Insulated Factory Installed Glass .....24.11 Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Tinted Glass, Add	3.62	
For Reflective Coated Glass, Add	7.23	
For Low-E Coated Glass, Add	6.03	
For One Piece Heat Strengthened Glass, Add	4.82	
For One Piece Fully Tempered Glass, Add	4.82	
For One Piece Obscure Glass, Add	10.25	
For Argon Gas, Add	3.32	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0071	SF		1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	26.36	
			<i>For >50 To 200, Deduct</i>	-0.79	
			<i>For >200 To 400, Deduct</i>	-1.58	
			<i>For >400, Deduct</i>	-2.37	
			<i>For Tinted Glass, Add</i>	3.95	
			<i>For Reflective Coated Glass, Add</i>	7.91	
			<i>For Low-E Coated Glass, Add</i>	6.59	
			<i>For One Piece Heat Strengthened Glass, Add</i>	5.27	
			<i>For One Piece Fully Tempered Glass, Add</i>	5.27	
			<i>For One Piece Obscure Glass, Add</i>	11.20	
			<i>For Argon Gas, Add</i>	3.62	
08 81 23 13-0072			Laminated Insulated Glass, Factory Installed Glass <small>(08 81 23 13-0050)</small>		
08 81 23 13-0073	SF		1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	73.82	
			<i>For >50 To 200, Deduct</i>	-2.21	
			<i>For >200 To 400, Deduct</i>	-4.43	
			<i>For >400, Deduct</i>	-6.64	
			<i>For Tinted Glass, Add</i>	11.07	
			<i>For Reflective Coated Glass, Add</i>	22.15	
			<i>For Low-E Coated Glass, Add</i>	18.46	
			<i>For Argon Gas, Add</i>	10.15	
08 81 23 13-0074	SF		1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	89.63	
			<i>For >50 To 200, Deduct</i>	-2.69	
			<i>For >200 To 400, Deduct</i>	-5.38	
			<i>For >400, Deduct</i>	-8.07	
			<i>For Tinted Glass, Add</i>	13.44	
			<i>For Reflective Coated Glass, Add</i>	26.89	
			<i>For Low-E Coated Glass, Add</i>	22.41	
			<i>For Argon Gas, Add</i>	12.32	
08 81 23 13-0075	SF		1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	105.44	
			<i>For >50 To 200, Deduct</i>	-3.16	
			<i>For >200 To 400, Deduct</i>	-6.33	
			<i>For >400, Deduct</i>	-9.49	
			<i>For Tinted Glass, Add</i>	15.82	
			<i>For Reflective Coated Glass, Add</i>	31.63	
			<i>For Low-E Coated Glass, Add</i>	26.36	
			<i>For Argon Gas, Add</i>	14.50	
08 81 23 23			Field Installed Glass Glazing <small>(08 81 23)</small>		
08 81 23 23-0001			Heat Treated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0002			Tempered, Clear Float Field Installed Glass <small>(08 81 23 23-0001)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	26.50	
				-0.34	
				-0.68	
				-1.02	
				15.13	
				2.84	
				5.12	
				2.84	
08 81 23 23-0004	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	28.45	
				-0.36	
				-0.73	
				-1.09	
				16.29	
				3.04	
				5.47	
				3.04	
08 81 23 23-0005	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	32.23	
				-0.44	
				-0.89	
				-1.33	
				17.45	
				3.70	
				6.65	
				3.70	
08 81 23 23-0006	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	44.40	
				-0.74	
				-1.48	
				-2.22	
				19.78	
				6.16	
				11.08	
				6.16	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0007 SF 3/8" Thick, Tempered, Clear Float Field Installed Glass.....	57.88	
For >50 To 200, Deduct	-1.07	
For >200 To 400, Deduct	-2.15	
For >400, Deduct	-3.22	
For Glass Removal And Preparing Opening For New Glazing, Add	22.11	
For Tinted Glass, Add	8.94	
For Reflective Coated Glass, Add	16.10	
For Low-E Coated Glass, Add	8.94	
08 81 23 23-0008 SF 1/2" Thick, Tempered, Clear Float Field Installed Glass.....	63.74	
For >50 To 200, Deduct	-1.18	
For >200 To 400, Deduct	-2.36	
For >400, Deduct	-3.54	
For Glass Removal And Preparing Opening For New Glazing, Add	24.44	
For Tinted Glass, Add	9.83	
For Reflective Coated Glass, Add	17.69	
For Low-E Coated Glass, Add	9.83	
08 81 23 23-0009 SF 5/8" Thick, Tempered, Clear Float Field Installed Glass.....	77.26	
For >50 To 200, Deduct	-1.41	
For >200 To 400, Deduct	-2.82	
For >400, Deduct	-4.23	
For Glass Removal And Preparing Opening For New Glazing, Add	30.25	
For Tinted Glass, Add	11.75	
For Reflective Coated Glass, Add	21.15	
For Low-E Coated Glass, Add	11.75	
08 81 23 23-0010 SF 3/4" Thick, Tempered, Clear Float Field Installed Glass.....	94.15	
For >50 To 200, Deduct	-1.74	
For >200 To 400, Deduct	-3.48	
For >400, Deduct	-5.23	
For Glass Removal And Preparing Opening For New Glazing, Add	36.07	
For Tinted Glass, Add	14.52	
For Reflective Coated Glass, Add	26.14	
For Low-E Coated Glass, Add	14.52	
08 81 23 23-0011 Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0012 Clear Float Field Installed Glass (08 81 23 23-0011)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013 SF 1/8" Thick, Clear Float Field Installed Glass.....	22.78	
For >50 To 200, Deduct	-0.23	
For >200 To 400, Deduct	-0.46	
For >400, Deduct	-0.69	
For Glass Removal And Preparing Opening For New Glazing, Add	15.13	
For Tinted Glass, Add	1.91	
For Reflective Coated Glass, Add	3.44	
For Low-E Coated Glass, Add	1.91	
08 81 23 23-0014 SF 3/16" Thick, Clear Float Field Installed Glass.....	24.49	
For >50 To 200, Deduct	-0.25	
For >200 To 400, Deduct	-0.49	
For >400, Deduct	-0.74	
For Glass Removal And Preparing Opening For New Glazing, Add	16.29	
For Tinted Glass, Add	2.05	
For Reflective Coated Glass, Add	3.69	
For Low-E Coated Glass, Add	2.05	
08 81 23 23-0015 SF 1/4" Thick, Clear Float Field Installed Glass.....	27.39	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.60	
For >400, Deduct	-0.89	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
For Tinted Glass, Add	2.49	
For Reflective Coated Glass, Add	4.47	
For Low-E Coated Glass, Add	2.49	
08 81 23 23-0016 SF 5/16" Thick, Clear Float Field Installed Glass.....	36.31	
For >50 To 200, Deduct	-0.50	
For >200 To 400, Deduct	-0.99	
For >400, Deduct	-1.49	
For Glass Removal And Preparing Opening For New Glazing, Add	19.78	
For Tinted Glass, Add	4.13	
For Reflective Coated Glass, Add	7.44	
For Low-E Coated Glass, Add	4.13	
08 81 23 23-0017 SF 3/8" Thick, Clear Float Field Installed Glass.....	46.16	
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.44	
For >400, Deduct	-2.16	
For Glass Removal And Preparing Opening For New Glazing, Add	22.11	
For Tinted Glass, Add	6.01	
For Reflective Coated Glass, Add	10.82	
For Low-E Coated Glass, Add	6.01	
08 81 23 23-0018 SF 1/2" Thick, Clear Float Field Installed Glass.....	50.87	
For >50 To 200, Deduct	-0.79	
For >200 To 400, Deduct	-1.59	
For >400, Deduct	-2.38	
For Glass Removal And Preparing Opening For New Glazing, Add	24.44	
For Tinted Glass, Add	6.61	
For Reflective Coated Glass, Add	11.89	
For Low-E Coated Glass, Add	6.61	

08	08	Openings
	08 80	Glazing
	08 81	Glass Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0019 SF 5/8" Thick, Clear Float Field Installed Glass	61.86	
For >50 To 200, Deduct	-0.95	
For >200 To 400, Deduct	-1.90	
For >400, Deduct	-2.84	
For Glass Removal And Preparing Opening For New Glazing, Add	30.25	
For Tinted Glass, Add	7.90	
For Reflective Coated Glass, Add	14.22	
For Low-E Coated Glass, Add	7.90	
08 81 23 23-0020 SF 3/4" Thick, Clear Float Field Installed Glass	75.12	
For >50 To 200, Deduct	-1.17	
For >200 To 400, Deduct	-2.34	
For >400, Deduct	-3.51	
For Glass Removal And Preparing Opening For New Glazing, Add	36.07	
For Tinted Glass, Add	9.76	
For Reflective Coated Glass, Add	17.57	
For Low-E Coated Glass, Add	9.76	
08 81 23 23-0021 Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022 Rough Obscure Field Installed Glass (08 81 23 23-0021)		
Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023 SF 1/4" Thick, Rough Obscure Field Installed Glass	55.94	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0024 Patterned, Figured Field Installed Glass (08 81 23 23-0021)		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025 SF 1/8" Thick, Patterned, Figured Field Installed Glass	38.51	
For Glass Removal And Preparing Opening For New Glazing, Add	15.13	
08 81 23 23-0026 SF 7/32" Thick, Patterned, Figured Field Installed Glass	40.25	
For Glass Removal And Preparing Opening For New Glazing, Add	16.87	
08 81 23 23-0027 Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029 SF 1/4" Thick, Square Pattern, Wired Field Installed Glass	77.97	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0030 SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass	77.97	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0031 Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032 SF 1/4" Thick, Polished, Wired Field Installed Glass	83.61	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0033 Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034 Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035 SF 1/8" Thick, Frosted Field Installed Glass	45.73	
For >50 To 200, Deduct	-0.92	
For >200 To 400, Deduct	-1.84	
For >400, Deduct	-2.75	
For Glass Removal And Preparing Opening For New Glazing, Add	15.13	
08 81 23 23-0036 SF 3/16" Thick, Frosted Field Installed Glass	56.44	
For >50 To 200, Deduct	-1.20	
For >200 To 400, Deduct	-2.41	
For >400, Deduct	-3.61	
For Glass Removal And Preparing Opening For New Glazing, Add	16.29	
08 81 23 23-0037 SF 1/4" Thick, Frosted Field Installed Glass	68.20	
For >50 To 200, Deduct	-1.52	
For >200 To 400, Deduct	-3.05	
For >400, Deduct	-4.57	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0038 SF 3/8" Thick, Frosted Field Installed Glass	97.97	
For >50 To 200, Deduct	-2.28	
For >200 To 400, Deduct	-4.55	
For >400, Deduct	-6.83	
For Glass Removal And Preparing Opening For New Glazing, Add	22.11	
08 81 23 23-0039 Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040 Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041 SF 20 Minute, Fire Rated Field Installed Glass	64.40	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0042 SF 45 Minute, Fire Rated Field Installed Glass	110.93	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0043 SF 60 Minute, Fire Rated Field Installed Glass	161.91	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
08 81 23 23-0044 SF 90 Minute, Fire Rated Field Installed Glass	208.65	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0045 Laminated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0046 Laminated Glass With PVB Interlayer, Field Installed Glass <small>(08 81 23 23-0045)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	43.98	
For >50 To 200, Deduct	-0.80	
For >200 To 400, Deduct	-1.59	
For >400, Deduct	-2.39	
For Glass Removal And Preparing Opening For New Glazing, Add	17.45	
For Tinted Glass, Add	5.31	
For Reflective Coated Glass, Add	7.96	
For Low-E Coated Glass, Add	6.63	
For One Piece Heat Strengthened Glass, Add	5.31	
For One Piece Fully Tempered Glass, Add	5.31	
08 81 23 23-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	55.23	
For >50 To 200, Deduct	-0.99	
For >200 To 400, Deduct	-1.99	
For >400, Deduct	-2.98	
For Glass Removal And Preparing Opening For New Glazing, Add	22.11	
For Tinted Glass, Add	6.62	
For Reflective Coated Glass, Add	9.94	
For Low-E Coated Glass, Add	8.28	
For One Piece Heat Strengthened Glass, Add	6.62	
For One Piece Fully Tempered Glass, Add	6.62	
08 81 23 23-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	62.70	
For >50 To 200, Deduct	-1.15	
For >200 To 400, Deduct	-2.30	
For >400, Deduct	-3.44	
For Glass Removal And Preparing Opening For New Glazing, Add	24.44	
For Tinted Glass, Add	7.65	
For Reflective Coated Glass, Add	11.48	
For Low-E Coated Glass, Add	9.57	
For One Piece Heat Strengthened Glass, Add	7.65	
For One Piece Fully Tempered Glass, Add	7.65	
08 81 23 23-0050 SF 9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	70.39	
For >50 To 200, Deduct	-1.29	
For >200 To 400, Deduct	-2.58	
For >400, Deduct	-3.87	
For Glass Removal And Preparing Opening For New Glazing, Add	27.35	
For Tinted Glass, Add	8.61	
For Reflective Coated Glass, Add	12.91	
For Low-E Coated Glass, Add	10.76	
For One Piece Heat Strengthened Glass, Add	8.61	
For One Piece Fully Tempered Glass, Add	8.61	
08 81 23 23-0051 Insulated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0052 Insulated Glass, Field Installed Glass <small>(08 81 23 23-0051)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053 3/16" Air Space, Insulated, Field Installed Glass <small>(08 81 23 23-0052)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054 SF 3/8" Thick, Insulated Field Installed Glass.....	38.32	
Note: Two 3/32" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.56	
For >200 To 400, Deduct	-1.13	
For >400, Deduct	-1.69	
For Glass Removal And Preparing Opening For New Glazing, Add	19.55	
For Tinted Glass, Add	2.82	
For Reflective Coated Glass, Add	5.63	
For Low-E Coated Glass, Add	4.69	
For One Piece Heat Strengthened Glass, Add	3.75	
For One Piece Fully Tempered Glass, Add	3.75	
For One Piece Obscure Glass, Add	7.98	
For Argon Gas, Add	2.58	
08 81 23 23-0055 SF 1/2" Thick, Insulated Field Installed Glass.....	40.87	
Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.23	
For >400, Deduct	-1.85	
For Glass Removal And Preparing Opening For New Glazing, Add	20.36	
For Tinted Glass, Add	3.08	
For Reflective Coated Glass, Add	6.15	
For Low-E Coated Glass, Add	5.13	
For One Piece Heat Strengthened Glass, Add	4.10	
For One Piece Fully Tempered Glass, Add	4.10	
For One Piece Obscure Glass, Add	8.72	
For Argon Gas, Add	2.82	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0056 SF 9/16" Thick, Insulated Field Installed Glass .....41.26 Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.23	
For >400, Deduct	-1.85	
For Glass Removal And Preparing Opening For New Glazing, Add	20.71	
For Tinted Glass, Add	3.08	
For Reflective Coated Glass, Add	6.17	
For Low-E Coated Glass, Add	5.14	
For One Piece Heat Strengthened Glass, Add	4.11	
For One Piece Fully Tempered Glass, Add	4.11	
For One Piece Obscure Glass, Add	8.73	
For Argon Gas, Add	2.83	
08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058 SF 7/16" Thick, Insulated Field Installed Glass .....39.23 Note: Two 3/32" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.58	
For >200 To 400, Deduct	-1.16	
For >400, Deduct	-1.74	
For Glass Removal And Preparing Opening For New Glazing, Add	19.90	
For Tinted Glass, Add	2.90	
For Reflective Coated Glass, Add	5.80	
For Low-E Coated Glass, Add	4.83	
For One Piece Heat Strengthened Glass, Add	3.87	
For One Piece Fully Tempered Glass, Add	3.87	
For One Piece Obscure Glass, Add	8.22	
For Argon Gas, Add	2.66	
08 81 23 23-0059 SF 1/2" Thick, Insulated Field Installed Glass .....40.87 Note: Two 1/8" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.23	
For >400, Deduct	-1.85	
For Glass Removal And Preparing Opening For New Glazing, Add	20.36	
For Tinted Glass, Add	3.08	
For Reflective Coated Glass, Add	6.15	
For Low-E Coated Glass, Add	5.13	
For One Piece Heat Strengthened Glass, Add	4.10	
For One Piece Fully Tempered Glass, Add	4.10	
For One Piece Obscure Glass, Add	8.72	
For Argon Gas, Add	2.82	
08 81 23 23-0060 SF 5/8" Thick, Insulated Field Installed Glass .....42.47 Note: Two 3/16" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.87	
For Glass Removal And Preparing Opening For New Glazing, Add	21.72	
For Tinted Glass, Add	3.11	
For Reflective Coated Glass, Add	6.23	
For Low-E Coated Glass, Add	5.19	
For One Piece Heat Strengthened Glass, Add	4.15	
For One Piece Fully Tempered Glass, Add	4.15	
For One Piece Obscure Glass, Add	8.82	
For Argon Gas, Add	2.85	
08 81 23 23-0061 SF 5/8" Thick, Insulated Field Installed Glass .....42.47 Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.87	
For Glass Removal And Preparing Opening For New Glazing, Add	21.72	
For Tinted Glass, Add	3.11	
For Reflective Coated Glass, Add	6.23	
For Low-E Coated Glass, Add	5.19	
For One Piece Heat Strengthened Glass, Add	4.15	
For One Piece Fully Tempered Glass, Add	4.15	
For One Piece Obscure Glass, Add	8.82	
For Argon Gas, Add	2.85	
08 81 23 23-0062 SF 3/4" Thick, Insulated Field Installed Glass .....47.42 Note: Two 1/4" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.71	
For >200 To 400, Deduct	-1.42	
For >400, Deduct	-2.13	
For Glass Removal And Preparing Opening For New Glazing, Add	23.71	
For Tinted Glass, Add	3.56	
For Reflective Coated Glass, Add	7.11	
For Low-E Coated Glass, Add	5.93	
For One Piece Heat Strengthened Glass, Add	4.74	
For One Piece Fully Tempered Glass, Add	4.74	
For One Piece Obscure Glass, Add	10.08	
For Argon Gas, Add	3.26	
08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
Note: Type I, Class I, Quality Q3.		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0064 SF 5/8" Thick, Insulated Field Installed Glass.....	42.47	
Note: Two 1/8" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.87	
For Glass Removal And Preparing Opening For New Glazing, Add	21.72	
For Tinted Glass, Add	3.11	
For Reflective Coated Glass, Add	6.23	
For Low-E Coated Glass, Add	5.19	
For One Piece Heat Strengthened Glass, Add	4.15	
For One Piece Fully Tempered Glass, Add	4.15	
For One Piece Obscure Glass, Add	8.82	
For Argon Gas, Add	2.85	
08 81 23 23-0065 SF 3/4" Thick, Insulated Field Installed Glass.....	45.45	
Note: Two 3/16" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.65	
For >200 To 400, Deduct	-1.30	
For >400, Deduct	-1.96	
For Glass Removal And Preparing Opening For New Glazing, Add	23.71	
For Tinted Glass, Add	3.26	
For Reflective Coated Glass, Add	6.52	
For Low-E Coated Glass, Add	5.44	
For One Piece Heat Strengthened Glass, Add	4.35	
For One Piece Fully Tempered Glass, Add	4.35	
For One Piece Obscure Glass, Add	9.24	
For Argon Gas, Add	2.99	
08 81 23 23-0066 SF 7/8" Thick, Insulated Field Installed Glass.....	48.31	
Note: Two 1/4" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Glass Removal And Preparing Opening For New Glazing, Add	24.20	
For Tinted Glass, Add	3.62	
For Reflective Coated Glass, Add	7.23	
For Low-E Coated Glass, Add	6.03	
For One Piece Heat Strengthened Glass, Add	4.82	
For One Piece Fully Tempered Glass, Add	4.82	
For One Piece Obscure Glass, Add	10.25	
For Argon Gas, Add	3.32	
08 81 23 23-0067 SF 1" Thick, Insulated Field Installed Glass.....	51.67	
Note: Two 5/16" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.82	
For >200 To 400, Deduct	-1.63	
For >400, Deduct	-2.45	
For Glass Removal And Preparing Opening For New Glazing, Add	24.44	
For Tinted Glass, Add	4.08	
For Reflective Coated Glass, Add	8.17	
For Low-E Coated Glass, Add	6.81	
For One Piece Heat Strengthened Glass, Add	5.45	
For One Piece Fully Tempered Glass, Add	5.45	
For One Piece Obscure Glass, Add	11.57	
For Argon Gas, Add	3.74	
08 81 23 23-0068 1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069 SF 3/4" Thick, Insulated Field Installed Glass.....	45.45	
Note: Two 1/8" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.65	
For >200 To 400, Deduct	-1.30	
For >400, Deduct	-1.96	
For Glass Removal And Preparing Opening For New Glazing, Add	23.71	
For Tinted Glass, Add	3.26	
For Reflective Coated Glass, Add	6.52	
For Low-E Coated Glass, Add	5.44	
For One Piece Heat Strengthened Glass, Add	4.35	
For One Piece Fully Tempered Glass, Add	4.35	
For One Piece Obscure Glass, Add	9.24	
For Argon Gas, Add	2.99	
08 81 23 23-0070 SF 7/8" Thick, Insulated Field Installed Glass.....	48.31	
Note: Two 3/16" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Glass Removal And Preparing Opening For New Glazing, Add	24.20	
For Tinted Glass, Add	3.62	
For Reflective Coated Glass, Add	7.23	
For Low-E Coated Glass, Add	6.03	
For One Piece Heat Strengthened Glass, Add	4.82	
For One Piece Fully Tempered Glass, Add	4.82	
For One Piece Obscure Glass, Add	10.25	
For Argon Gas, Add	3.32	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0071 SF 7/8" Thick, Insulated Field Installed Glass .....48.31 Note: One 1/4" lite and one 1/8" lite with 1/2" air space. For >50 To 200, Deduct -0.72 For >200 To 400, Deduct -1.45 For >400, Deduct -2.17 For Glass Removal And Preparing Opening For New Glazing, Add 24.20 For Tinted Glass, Add 3.62 For Reflective Coated Glass, Add 7.23 For Low-E Coated Glass, Add 6.03 For One Piece Heat Strengthened Glass, Add 4.82 For One Piece Fully Tempered Glass, Add 4.82 For One Piece Obscure Glass, Add 10.25 For Argon Gas, Add 3.32		
08 81 23 23-0072 SF 1" Thick, Insulated Field Installed Glass .....50.80 Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct -0.79 For >200 To 400, Deduct -1.58 For >400, Deduct -2.37 For Glass Removal And Preparing Opening For New Glazing, Add 24.44 For Tinted Glass, Add 3.95 For Reflective Coated Glass, Add 7.91 For Low-E Coated Glass, Add 6.59 For One Piece Heat Strengthened Glass, Add 5.27 For One Piece Fully Tempered Glass, Add 5.27 For One Piece Obscure Glass, Add 11.20 For Argon Gas, Add 3.62		
08 81 23 23-0073 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
08 81 23 23-0074 SF 1" Thick, Laminated Insulating Glass, Field Installed Glass .....98.26 Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -2.21 For >200 To 400, Deduct -4.43 For >400, Deduct -6.64 For Glass Removal And Preparing Opening For New Glazing, Add 24.44 For Tinted Glass, Add 11.07 For Reflective Coated Glass, Add 22.15 For Low-E Coated Glass, Add 18.46 For Argon Gas, Add 10.15		
08 81 23 23-0075 SF 1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass .....117.56 Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -2.69 For >200 To 400, Deduct -5.38 For >400, Deduct -8.07 For Glass Removal And Preparing Opening For New Glazing, Add 27.93 For Tinted Glass, Add 13.44 For Reflective Coated Glass, Add 26.89 For Low-E Coated Glass, Add 22.41 For Argon Gas, Add 12.32		
08 81 23 23-0076 SF 1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass .....137.44 Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -3.16 For >200 To 400, Deduct -6.33 For >400, Deduct -9.49 For Glass Removal And Preparing Opening For New Glazing, Add 32.00 For Tinted Glass, Add 15.82 For Reflective Coated Glass, Add 31.63 For Low-E Coated Glass, Add 26.36 For Argon Gas, Add 14.50		
08 81 23 23-0077 Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0077)		
08 81 23 23-0079 SF 1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass .....40.04 For Glass Removal And Preparing Opening For New Glazing, Add 19.40		
08 81 23 23-0080 SF 1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass .....35.61 For Glass Removal And Preparing Opening For New Glazing, Add 19.40		
08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0077)		
08 81 23 23-0082 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0081) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0083 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass .....44.65 For Glass Removal And Preparing Opening For New Glazing, Add 19.40		
08 81 23 23-0084 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass .....39.63 For Glass Removal And Preparing Opening For New Glazing, Add 19.40		
08 81 23 23-0085 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0081)		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	53.37	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.40	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	43.51	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.40	

08 83 Mirrors (08 80)

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing (08 83)

08 83 13 00-0001 Mirror Glass (08 83 13)

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors).....	86.07	8.73
		<i>For >50 To 200, Deduct</i>	-2.06	
		<i>For >200 To 400, Deduct</i>	-3.44	
		<i>For >400, Deduct</i>	-5.51	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	120.24	8.73
		<i>For >50 To 200, Deduct</i>	-3.09	
		<i>For >200 To 400, Deduct</i>	-5.15	
		<i>For >400, Deduct</i>	-8.24	

08 83 13 00-0006 Clear Mirror Glass (08 83 13 00-0001)

08 83 13 00-0007	SF	1/8" Clear Mirror Glass	29.26	6.98
		<i>For >50 To 200, Deduct</i>	-0.46	
		<i>For >200 To 400, Deduct</i>	-0.77	
		<i>For >400, Deduct</i>	-1.22	

08 83 13 00-0008	SF	3/16" Clear Mirror Glass	34.58	8.15
		<i>For >50 To 200, Deduct</i>	-0.56	
		<i>For >200 To 400, Deduct</i>	-0.93	
		<i>For >400, Deduct</i>	-1.48	

08 83 13 00-0009	SF	1/4" Clear Mirror Glass	37.89	8.73
		<i>For >50 To 200, Deduct</i>	-0.62	
		<i>For >200 To 400, Deduct</i>	-1.03	
		<i>For >400, Deduct</i>	-1.65	

08 83 13 00-0010 Tempered, Clear Mirror Glass (08 83 13 00-0001)

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	47.60	6.98
		<i>For >50 To 200, Deduct</i>	-1.01	
		<i>For >200 To 400, Deduct</i>	-1.68	
		<i>For >400, Deduct</i>	-2.69	

08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	54.04	8.15
		<i>For >50 To 200, Deduct</i>	-1.14	
		<i>For >200 To 400, Deduct</i>	-1.90	
		<i>For >400, Deduct</i>	-3.04	

08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	59.59	8.73
		<i>For >50 To 200, Deduct</i>	-1.27	
		<i>For >200 To 400, Deduct</i>	-2.12	
		<i>For >400, Deduct</i>	-3.39	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing.....	41.45	8.73
		<i>For >50 To 200, Deduct</i>	-0.73	
		<i>For >200 To 400, Deduct</i>	-1.21	
		<i>For >400, Deduct</i>	-1.94	

08 83 13 00-0016 Laminated Safety Mirror Glass (08 83 13 00-0001)

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	79.17	8.73
		<i>For >50 To 200, Deduct</i>	-1.86	
		<i>For >200 To 400, Deduct</i>	-3.10	
		<i>For >400, Deduct</i>	-4.95	

08 83 13 00-0018 Accessories For Mirror Glass (08 83 13)

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass.....	5.73	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass.....	5.85	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass.....	7.38	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass.....	9.52	

08 84 Plastic Glazing (08 80)

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84)

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 Openings**08 80 Glazing****08 84 Plastic Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0002	SF		1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.30	
			<i>For >50 To 200, Deduct</i>	-0.47	
			<i>For >200 To 400, Deduct</i>	-0.93	
			<i>For >400, Deduct</i>	-1.40	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.98	
08 84 00 00-0003	SF		3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.39	
			<i>For >50 To 200, Deduct</i>	-0.50	
			<i>For >200 To 400, Deduct</i>	-1.00	
			<i>For >400, Deduct</i>	-1.50	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.41	
08 84 00 00-0004	SF		1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	25.38	
			<i>For >50 To 200, Deduct</i>	-0.68	
			<i>For >200 To 400, Deduct</i>	-1.35	
			<i>For >400, Deduct</i>	-2.03	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.86	
08 84 00 00-0005	SF		3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	36.49	
			<i>For >50 To 200, Deduct</i>	-1.21	
			<i>For >200 To 400, Deduct</i>	-2.43	
			<i>For >400, Deduct</i>	-3.64	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.20	
08 84 00 00-0006	SF		1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	46.10	
			<i>For >50 To 200, Deduct</i>	-1.65	
			<i>For >200 To 400, Deduct</i>	-3.30	
			<i>For >400, Deduct</i>	-4.95	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.09	
08 84 00 00-0007			Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)		
08 84 00 00-0008	SF		1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	30.14	
			<i>For >50 To 200, Deduct</i>	-0.96	
			<i>For >200 To 400, Deduct</i>	-1.92	
			<i>For >400, Deduct</i>	-2.87	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.98	
08 84 00 00-0009	SF		3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	34.98	
			<i>For >50 To 200, Deduct</i>	-1.18	
			<i>For >200 To 400, Deduct</i>	-2.36	
			<i>For >400, Deduct</i>	-3.54	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.41	
08 84 00 00-0010	SF		1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	36.94	
			<i>For >50 To 200, Deduct</i>	-1.25	
			<i>For >200 To 400, Deduct</i>	-2.51	
			<i>For >400, Deduct</i>	-3.76	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.86	
08 84 00 00-0011	SF		3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	60.65	
			<i>For >50 To 200, Deduct</i>	-2.42	
			<i>For >200 To 400, Deduct</i>	-4.85	
			<i>For >400, Deduct</i>	-7.27	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.20	
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	64.44	
			<i>For >50 To 200, Deduct</i>	-2.57	
			<i>For >200 To 400, Deduct</i>	-5.14	
			<i>For >400, Deduct</i>	-7.70	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.09	
08 84 00 00-0013			Clear Acrylic Glazing (Plexiglas) (08 84)		
08 84 00 00-0014	SF		1/10" Thick, Clear Acrylic Glazing (Plexiglas)	14.64	
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400, Deduct</i>	-0.62	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.48	
			<i>For Colored, Add</i>	0.83	
			<i>For Shatterproof, Add</i>	2.50	
			<i>For Mirrored, Add</i>	3.33	
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas)	15.18	
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400, Deduct</i>	-0.63	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.98	
			<i>For Colored, Add</i>	0.84	
			<i>For Shatterproof, Add</i>	2.52	
			<i>For Mirrored, Add</i>	3.36	
08 84 00 00-0016	SF		3/16" Thick, Clear Acrylic Glazing (Plexiglas)	17.97	
			<i>For >50 To 200, Deduct</i>	-0.33	
			<i>For >200 To 400, Deduct</i>	-0.66	
			<i>For >400, Deduct</i>	-0.98	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.41	
			<i>For Colored, Add</i>	1.31	
			<i>For Shatterproof, Add</i>	3.94	
			<i>For Mirrored, Add</i>	5.25	



Openings	08	08
Glazing	08 80	
Plastic Glazing	08 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0017 SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas).....	20.51	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.87	
For >400, Deduct	-1.30	
For Glass Removal And Preparing Opening For New Glazing, Add	11.86	
For Colored, Add	1.73	
For Shatterproof, Add	5.19	
For Mirrored, Add	6.92	
08 84 00 00-0018 SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas).....	20.99	
For >50 To 200, Deduct	-0.45	
For >200 To 400, Deduct	-0.91	
For >400, Deduct	-1.36	
For Glass Removal And Preparing Opening For New Glazing, Add	11.93	
For Colored, Add	1.81	
For Shatterproof, Add	5.44	
For Mirrored, Add	7.25	
08 84 00 00-0019 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas).....	21.67	
For >50 To 200, Deduct	-0.47	
For >200 To 400, Deduct	-0.95	
For >400, Deduct	-1.42	
For Glass Removal And Preparing Opening For New Glazing, Add	12.20	
For Colored, Add	1.89	
For Shatterproof, Add	5.68	
For Mirrored, Add	7.58	
08 84 00 00-0020 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas).....	25.61	
For >50 To 200, Deduct	-0.63	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.88	
For Glass Removal And Preparing Opening For New Glazing, Add	13.09	
For Colored, Add	2.50	
For Shatterproof, Add	7.51	
For Mirrored, Add	10.02	
08 84 00 00-0021 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas).....	36.06	
For >50 To 200, Deduct	-0.98	
For >200 To 400, Deduct	-1.95	
For >400, Deduct	-2.93	
For Glass Removal And Preparing Opening For New Glazing, Add	16.56	
08 84 00 00-0022 SF 1" Thick, Clear Acrylic Glazing (Plexiglas).....	47.99	
For >50 To 200, Deduct	-1.50	
For >200 To 400, Deduct	-3.00	
For >400, Deduct	-4.50	
For Glass Removal And Preparing Opening For New Glazing, Add	17.99	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002 LF 1-1/4" x 1-1/2" Aluminum Framed Window Walls	41.56	2.26
For Bronze Anodized Aluminum, Add	5.30	
For Stainless Steel, Add	21.53	
For Black Anodized Finish, Add	9.55	
08 85 00 00-0003 LF 1-1/2" x 2" Aluminum Framed Window Walls.....	51.71	2.82
For Bronze Anodized Aluminum, Add	6.74	
For Stainless Steel, Add	27.30	
For Black Anodized Finish, Add	12.13	
08 85 00 00-0004 LF 1-1/2" x 3" Aluminum Framed Window Walls.....	61.61	2.26
For Bronze Anodized Aluminum, Add	8.06	
For Stainless Steel, Add	32.62	
For Black Anodized Finish, Add	14.50	
08 85 00 00-0005 LF 1-1/2" x 4" Aluminum Framed Window Walls.....	74.34	3.38
For Bronze Anodized Aluminum, Add	9.63	
For Stainless Steel, Add	39.02	
For Black Anodized Finish, Add	17.33	
08 85 00 00-0006 LF 2" x 3" Aluminum Framed Window Walls.....	76.70	2.82
For Bronze Anodized Aluminum, Add	10.24	
For Stainless Steel, Add	41.37	
For Black Anodized Finish, Add	18.42	
08 85 00 00-0007 LF 2" x 4" Aluminum Framed Window Walls.....	92.79	3.38
For Bronze Anodized Aluminum, Add	12.23	
For Stainless Steel, Add	49.47	
For Black Anodized Finish, Add	22.01	

08 87 Glazing Surface Films (08 80)

08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002 SF 20% VLT, Bronze Window Tinting Film	11.12
08 87 13 00-0003 SF 50% VLT, Bronze Window Tinting Film	11.12
08 87 13 00-0004 SF Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	17.30

08	Openings
08 80	Glazing
08 87	Glazing Surface Films



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 87 13 00-0005 SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)..... 17.93

08 87 23 Safety and Security Films (08 87)

08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)
Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003 SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150) 17.59
For >1,000 To 5,000, Deduct -0.80
For >5,000, Deduct -1.15

08 87 23 16-0004 SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400) 18.78
For >1,000 To 5,000, Deduct -0.84
For >5,000, Deduct -1.27

08 87 23 16-0005 SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600) 20.42
For >1,000 To 5,000, Deduct -0.90
For >5,000, Deduct -1.43

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0007 SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400) 20.09
For >1,000 To 5,000, Deduct -0.89
For >5,000, Deduct -1.40

08 87 23 16-0008 SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400) 20.09
For >1,000 To 5,000, Deduct -0.89
For >5,000, Deduct -1.40

08 87 23 16-0009 SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400) 20.09
For >1,000 To 5,000, Deduct -0.89
For >5,000, Deduct -1.40

08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011 SF 0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL) 16.28
For >1,000 To 5,000, Deduct -0.75
For >5,000, Deduct -1.02

08 87 23 16-0012 SF 0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL) 16.60
For >1,000 To 5,000, Deduct -0.77
For >5,000, Deduct -1.05

08 87 23 16-0013 SF 0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL) 19.58
For >1,000 To 5,000, Deduct -0.87
For >5,000, Deduct -1.35

08 87 23 16-0014 Anti-Graffiti Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015 SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4) 16.28
For >1,000 To 5,000, Deduct -0.75
For >5,000, Deduct -1.02

08 87 23 16-0016 SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7) 16.60
For >1,000 To 5,000, Deduct -0.77
For >5,000, Deduct -1.05

08 88 Special Function Glazing (08 80)

08 88 49 Radiation-Resistant Glazing (08 88)

08 88 49 00-0001 Leaded Glass (X-Ray Shielding) (08 88 49)

08 88 49 00-0002 SF 1/4" Thick Lead Glass With 1/16" Lead Equivalence 365.70
For Glass Removal And Preparing Opening For New Glazing, Add 22.11

08 88 49 00-0003 SF 1/4" Thick Lead Glass With 1/8" Lead Equivalence 543.91
For Glass Removal And Preparing Opening For New Glazing, Add 22.11

08 88 53 Security Glazing (08 88)

08 88 53 00-0001 Forced Entry And/or Ballistic Resistant All Glass Laminate (08 88 53)

08 88 53 00-0002 Ballistic Resistant Glass (08 88 53 00-0001)

08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF 146.36
For Glass Removal And Preparing Opening For New Glazing, Add 72.14

08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF 171.51
For Glass Removal And Preparing Opening For New Glazing, Add 72.14

08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF 194.52
For Glass Removal And Preparing Opening For New Glazing, Add 81.46



Openings	08	08
Glazing	08 80	
Special Function Glazing	08 88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0006 SF 1.55" All Glass Laminated Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	215.52 81.46	
08 88 53 00-0007 SF 2.05" All Glass Laminated Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	244.96 93.08	
08 88 53 00-0008 SF 2.05" All Glass Laminated Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	261.84 93.08	
08 88 53 00-0009 Forced Entry Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0010 SF 5/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	53.78 18.18	
08 88 53 00-0011 SF 1/2" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	61.02 19.40	
08 88 53 00-0012 SF 11/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	69.55 20.78	
08 88 53 00-0013 SF 7/8" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	84.07 22.37	
08 88 53 00-0014 Glass Clad Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0015 SF 0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	213.62 88.43	
08 88 53 00-0016 SF 0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	238.97 102.40	
08 88 53 00-0017 SF 0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	304.95 116.36	
08 88 53 00-0018 Ballistic Resistant Acrylic <small>(08 88 53)</small>		
08 88 53 00-0019 SF 1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	364.82 88.43	
08 88 53 00-0020 SF 1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	427.56 102.40	
08 88 53 00-0021 SF 1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	571.58 116.36	
08 88 53 00-0022 Ballistic Resistant Fiberglass <small>(08 88 53)</small>		
08 88 53 00-0023 SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	90.39 44.22	
08 88 53 00-0024 SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	106.90 51.20	
08 88 53 00-0025 SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	121.26 58.18	
08 88 53 00-0026 Forced Entry And/or Ballistic Resistant Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate <small>(08 88 53 00-0026)</small> Note: GE-Lexan MR10.		
08 88 53 00-0028 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	124.01 70.52	
08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030 SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	153.32 87.27	
08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: GE-Lexgard MPC-500.		
08 88 53 00-0032 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	188.41 93.08	
08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034 SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	206.50 98.91	
08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036 SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	176.93 87.27	

08	08	Openings
	08 80	Glazing
	08 88	Special Function Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

08 88 53 00-0037	Ballistic And Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
08 88 53 00-0038	SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	408.17	
	Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	193.15	
08 88 53 00-0039	SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	413.25	
	Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	193.15	
08 88 53 00-0040	Ballistic Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
	Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant.....	271.68	
	Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	130.32	

08 90 Louvers and Vents (08)

08 91 Louvers (08 90)

08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001	Motorized Wall Louver Actuator <small>(08 91 13)</small>		
	See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA 115 Volt Actuator For Adjustable Intake Louver.....	1,973.82	130.54
08 91 13 00-0003	EA 230 Volt Actuator For Adjustable Intake Louver.....	2,991.51	130.54
08 91 13 00-0004	EA 24 Volt Actuator For Adjustable Intake Louver.....	2,118.88	130.54
08 91 13 00-0005	EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	8,092.40	130.54

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001	Adjustable Intake Wall Louvers <small>(08 91 16)</small>		
	See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	534.90	34.56
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	46.58	
	<i>For Clear Lacquer Finish, Add</i>	93.16	
	<i>For Baked Enamel Standard Colors, Add</i>	139.73	
	<i>For Anodized Finish, Add</i>	186.31	
	<i>For Kynar® Standard Colors Finish, Add</i>	256.18	
08 91 16 00-0003	EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	668.12	42.24
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	58.36	
	<i>For Clear Lacquer Finish, Add</i>	116.73	
	<i>For Baked Enamel Standard Colors, Add</i>	175.09	
	<i>For Anodized Finish, Add</i>	233.46	
	<i>For Kynar® Standard Colors Finish, Add</i>	321.00	
08 91 16 00-0004	EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	790.01	49.92
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	69.02	
	<i>For Clear Lacquer Finish, Add</i>	138.03	
	<i>For Baked Enamel Standard Colors, Add</i>	207.05	
	<i>For Anodized Finish, Add</i>	276.07	
	<i>For Kynar® Standard Colors Finish, Add</i>	379.59	
08 91 16 00-0005	EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	924.36	57.60
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	80.92	
	<i>For Clear Lacquer Finish, Add</i>	161.83	
	<i>For Baked Enamel Standard Colors, Add</i>	242.75	
	<i>For Anodized Finish, Add</i>	323.66	
	<i>For Kynar® Standard Colors Finish, Add</i>	445.04	
08 91 16 00-0006	EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,041.70	65.28
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	91.12	
	<i>For Clear Lacquer Finish, Add</i>	182.23	
	<i>For Baked Enamel Standard Colors, Add</i>	273.35	
	<i>For Anodized Finish, Add</i>	364.46	
	<i>For Kynar® Standard Colors Finish, Add</i>	501.14	
08 91 16 00-0007	EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,228.18	72.96
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	108.23	
	<i>For Clear Lacquer Finish, Add</i>	216.46	
	<i>For Baked Enamel Standard Colors, Add</i>	324.68	
	<i>For Anodized Finish, Add</i>	432.91	
	<i>For Kynar® Standard Colors Finish, Add</i>	595.25	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0008	EA		12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,398.80	80.64
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	123.75	
			<i>For Clear Lacquer Finish, Add</i>	247.51	
			<i>For Baked Enamel Standard Colors, Add</i>	371.26	
			<i>For Anodized Finish, Add</i>	495.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	680.65	
08 91 16 00-0009	EA		12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,554.44	92.16
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	137.01	
			<i>For Clear Lacquer Finish, Add</i>	274.03	
			<i>For Baked Enamel Standard Colors, Add</i>	411.04	
			<i>For Anodized Finish, Add</i>	548.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	753.58	
08 91 16 00-0010	EA		12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,659.32	99.84
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	145.97	
			<i>For Clear Lacquer Finish, Add</i>	291.93	
			<i>For Baked Enamel Standard Colors, Add</i>	437.90	
			<i>For Anodized Finish, Add</i>	583.86	
			<i>For Kynar® Standard Colors Finish, Add</i>	802.81	
08 91 16 00-0011	EA		12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,790.28	107.52
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	157.53	
			<i>For Clear Lacquer Finish, Add</i>	315.05	
			<i>For Baked Enamel Standard Colors, Add</i>	472.58	
			<i>For Anodized Finish, Add</i>	630.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	866.39	
08 91 16 00-0012	EA		12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,905.37	115.20
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	167.50	
			<i>For Clear Lacquer Finish, Add</i>	335.00	
			<i>For Baked Enamel Standard Colors, Add</i>	502.50	
			<i>For Anodized Finish, Add</i>	670.00	
			<i>For Kynar® Standard Colors Finish, Add</i>	921.24	
08 91 16 00-0013	EA		12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,052.19	122.86
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	180.65	
			<i>For Clear Lacquer Finish, Add</i>	361.29	
			<i>For Baked Enamel Standard Colors, Add</i>	541.94	
			<i>For Anodized Finish, Add</i>	722.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	993.55	
08 91 16 00-0014	EA		12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,193.34	130.54
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	193.22	
			<i>For Clear Lacquer Finish, Add</i>	386.45	
			<i>For Baked Enamel Standard Colors, Add</i>	579.67	
			<i>For Anodized Finish, Add</i>	772.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,062.73	
08 91 16 00-0015	EA		12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,369.38	142.06
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	208.52	
			<i>For Clear Lacquer Finish, Add</i>	417.05	
			<i>For Baked Enamel Standard Colors, Add</i>	625.57	
			<i>For Anodized Finish, Add</i>	834.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,146.88	
08 91 16 00-0016	EA		12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,500.08	153.58
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	219.29	
			<i>For Clear Lacquer Finish, Add</i>	438.58	
			<i>For Baked Enamel Standard Colors, Add</i>	657.87	
			<i>For Anodized Finish, Add</i>	877.16	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,206.10	
08 91 16 00-0017	EA		18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	601.26	42.24
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	51.68	
			<i>For Clear Lacquer Finish, Add</i>	103.36	
			<i>For Baked Enamel Standard Colors, Add</i>	155.03	
			<i>For Anodized Finish, Add</i>	206.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	284.23	
08 91 16 00-0018	EA		18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	759.16	53.76
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	65.16	
			<i>For Clear Lacquer Finish, Add</i>	130.33	
			<i>For Baked Enamel Standard Colors, Add</i>	195.49	
			<i>For Anodized Finish, Add</i>	260.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	358.40	
08 91 16 00-0019	EA		18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	890.09	61.44
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	76.72	
			<i>For Clear Lacquer Finish, Add</i>	153.45	
			<i>For Baked Enamel Standard Colors, Add</i>	230.17	
			<i>For Anodized Finish, Add</i>	306.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	421.98	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,107.80	76.80
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	95.42	
		<i>For Clear Lacquer Finish, Add</i>	190.84	
		<i>For Baked Enamel Standard Colors, Add</i>	286.27	
		<i>For Anodized Finish, Add</i>	381.69	
		<i>For Kynar® Standard Colors Finish, Add</i>	524.82	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,259.16	84.48
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	109.02	
		<i>For Clear Lacquer Finish, Add</i>	218.04	
		<i>For Baked Enamel Standard Colors, Add</i>	327.07	
		<i>For Anodized Finish, Add</i>	436.09	
		<i>For Kynar® Standard Colors Finish, Add</i>	599.62	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,410.51	92.16
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	122.62	
		<i>For Clear Lacquer Finish, Add</i>	245.24	
		<i>For Baked Enamel Standard Colors, Add</i>	367.86	
		<i>For Anodized Finish, Add</i>	490.48	
		<i>For Kynar® Standard Colors Finish, Add</i>	674.42	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,591.33	99.84
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	139.17	
		<i>For Clear Lacquer Finish, Add</i>	278.33	
		<i>For Baked Enamel Standard Colors, Add</i>	417.50	
		<i>For Anodized Finish, Add</i>	556.67	
		<i>For Kynar® Standard Colors Finish, Add</i>	765.42	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,765.09	111.36
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	154.24	
		<i>For Clear Lacquer Finish, Add</i>	308.48	
		<i>For Baked Enamel Standard Colors, Add</i>	462.72	
		<i>For Anodized Finish, Add</i>	616.96	
		<i>For Kynar® Standard Colors Finish, Add</i>	848.31	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,904.86	122.86
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	165.91	
		<i>For Clear Lacquer Finish, Add</i>	331.82	
		<i>For Baked Enamel Standard Colors, Add</i>	497.74	
		<i>For Anodized Finish, Add</i>	663.65	
		<i>For Kynar® Standard Colors Finish, Add</i>	912.52	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,038.08	130.54
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	177.70	
		<i>For Clear Lacquer Finish, Add</i>	355.40	
		<i>For Baked Enamel Standard Colors, Add</i>	533.09	
		<i>For Anodized Finish, Add</i>	710.79	
		<i>For Kynar® Standard Colors Finish, Add</i>	977.34	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,163.37	138.22
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	188.69	
		<i>For Clear Lacquer Finish, Add</i>	377.38	
		<i>For Baked Enamel Standard Colors, Add</i>	566.07	
		<i>For Anodized Finish, Add</i>	754.76	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,037.80	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,324.92	145.90
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	203.31	
		<i>For Clear Lacquer Finish, Add</i>	406.62	
		<i>For Baked Enamel Standard Colors, Add</i>	609.93	
		<i>For Anodized Finish, Add</i>	813.24	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,118.21	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,480.81	153.58
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	217.36	
		<i>For Clear Lacquer Finish, Add</i>	434.73	
		<i>For Baked Enamel Standard Colors, Add</i>	652.09	
		<i>For Anodized Finish, Add</i>	869.45	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,195.50	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,671.58	165.10
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	234.14	
		<i>For Clear Lacquer Finish, Add</i>	468.27	
		<i>For Baked Enamel Standard Colors, Add</i>	702.41	
		<i>For Anodized Finish, Add</i>	936.54	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,287.75	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,816.99	176.62
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	246.38	
		<i>For Clear Lacquer Finish, Add</i>	492.75	
		<i>For Baked Enamel Standard Colors, Add</i>	739.13	
		<i>For Anodized Finish, Add</i>	985.50	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,355.06	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	673.28	49.92
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	57.34	
			<i>For Clear Lacquer Finish, Add</i>	114.69	
			<i>For Baked Enamel Standard Colors, Add</i>	172.03	
			<i>For Anodized Finish, Add</i>	229.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	315.39	
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	853.83	61.44
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	73.10	
			<i>For Clear Lacquer Finish, Add</i>	146.19	
			<i>For Baked Enamel Standard Colors, Add</i>	219.29	
			<i>For Anodized Finish, Add</i>	292.39	
			<i>For Kynar® Standard Colors Finish, Add</i>	402.03	
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,057.06	72.96
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	91.12	
			<i>For Clear Lacquer Finish, Add</i>	182.23	
			<i>For Baked Enamel Standard Colors, Add</i>	273.35	
			<i>For Anodized Finish, Add</i>	364.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	501.14	
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,247.57	88.32
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	107.10	
			<i>For Clear Lacquer Finish, Add</i>	214.19	
			<i>For Baked Enamel Standard Colors, Add</i>	321.29	
			<i>For Anodized Finish, Add</i>	428.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	589.02	
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,413.66	96.00
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	122.17	
			<i>For Clear Lacquer Finish, Add</i>	244.34	
			<i>For Baked Enamel Standard Colors, Add</i>	366.50	
			<i>For Anodized Finish, Add</i>	488.67	
			<i>For Kynar® Standard Colors Finish, Add</i>	671.92	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,588.81	103.68
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	138.15	
			<i>For Clear Lacquer Finish, Add</i>	276.29	
			<i>For Baked Enamel Standard Colors, Add</i>	414.44	
			<i>For Anodized Finish, Add</i>	552.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	759.81	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,805.64	115.20
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	157.53	
			<i>For Clear Lacquer Finish, Add</i>	315.05	
			<i>For Baked Enamel Standard Colors, Add</i>	472.58	
			<i>For Anodized Finish, Add</i>	630.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	866.39	
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,990.49	130.54
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	172.94	
			<i>For Clear Lacquer Finish, Add</i>	345.88	
			<i>For Baked Enamel Standard Colors, Add</i>	518.82	
			<i>For Anodized Finish, Add</i>	691.76	
			<i>For Kynar® Standard Colors Finish, Add</i>	951.16	
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,132.77	138.22
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	185.63	
			<i>For Clear Lacquer Finish, Add</i>	371.26	
			<i>For Baked Enamel Standard Colors, Add</i>	556.89	
			<i>For Anodized Finish, Add</i>	742.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,020.97	
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,290.42	153.58
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	198.32	
			<i>For Clear Lacquer Finish, Add</i>	396.65	
			<i>For Baked Enamel Standard Colors, Add</i>	594.97	
			<i>For Anodized Finish, Add</i>	793.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,090.78	
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,434.97	161.26
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	211.24	
			<i>For Clear Lacquer Finish, Add</i>	422.49	
			<i>For Baked Enamel Standard Colors, Add</i>	633.73	
			<i>For Anodized Finish, Add</i>	844.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,161.84	
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,630.53	168.94
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	229.26	
			<i>For Clear Lacquer Finish, Add</i>	458.53	
			<i>For Baked Enamel Standard Colors, Add</i>	687.79	
			<i>For Anodized Finish, Add</i>	917.05	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,260.95	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,796.59	176.62
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	244.34	
		<i>For Clear Lacquer Finish, Add</i>	488.67	
		<i>For Baked Enamel Standard Colors, Add</i>	733.01	
		<i>For Anodized Finish, Add</i>	977.34	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,343.84	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,006.62	188.14
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	263.03	
		<i>For Clear Lacquer Finish, Add</i>	526.07	
		<i>For Baked Enamel Standard Colors, Add</i>	789.10	
		<i>For Anodized Finish, Add</i>	1,052.14	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,446.69	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,162.26	199.66
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	276.29	
		<i>For Clear Lacquer Finish, Add</i>	552.59	
		<i>For Baked Enamel Standard Colors, Add</i>	828.88	
		<i>For Anodized Finish, Add</i>	1,105.18	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,519.62	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	750.97	57.60
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	63.58	
		<i>For Clear Lacquer Finish, Add</i>	127.15	
		<i>For Baked Enamel Standard Colors, Add</i>	190.73	
		<i>For Anodized Finish, Add</i>	254.31	
		<i>For Kynar® Standard Colors Finish, Add</i>	349.67	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,000.14	76.80
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	84.66	
		<i>For Clear Lacquer Finish, Add</i>	169.31	
		<i>For Baked Enamel Standard Colors, Add</i>	253.97	
		<i>For Anodized Finish, Add</i>	338.62	
		<i>For Kynar® Standard Colors Finish, Add</i>	465.61	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,186.37	88.32
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	100.98	
		<i>For Clear Lacquer Finish, Add</i>	201.95	
		<i>For Baked Enamel Standard Colors, Add</i>	302.93	
		<i>For Anodized Finish, Add</i>	403.90	
		<i>For Kynar® Standard Colors Finish, Add</i>	555.36	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,389.60	99.84
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	118.99	
		<i>For Clear Lacquer Finish, Add</i>	237.99	
		<i>For Baked Enamel Standard Colors, Add</i>	356.98	
		<i>For Anodized Finish, Add</i>	475.98	
		<i>For Kynar® Standard Colors Finish, Add</i>	654.47	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,570.42	107.52
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	135.54	
		<i>For Clear Lacquer Finish, Add</i>	271.08	
		<i>For Baked Enamel Standard Colors, Add</i>	406.62	
		<i>For Anodized Finish, Add</i>	542.16	
		<i>For Kynar® Standard Colors Finish, Add</i>	745.47	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,758.92	119.02
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	152.09	
		<i>For Clear Lacquer Finish, Add</i>	304.17	
		<i>For Baked Enamel Standard Colors, Add</i>	456.26	
		<i>For Anodized Finish, Add</i>	608.34	
		<i>For Kynar® Standard Colors Finish, Add</i>	836.47	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,982.81	126.70
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	172.94	
		<i>For Clear Lacquer Finish, Add</i>	345.88	
		<i>For Baked Enamel Standard Colors, Add</i>	518.82	
		<i>For Anodized Finish, Add</i>	691.76	
		<i>For Kynar® Standard Colors Finish, Add</i>	951.16	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,175.84	138.22
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	189.94	
		<i>For Clear Lacquer Finish, Add</i>	379.88	
		<i>For Baked Enamel Standard Colors, Add</i>	569.81	
		<i>For Anodized Finish, Add</i>	759.75	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,044.66	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,333.99	145.90
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	204.22	
		<i>For Clear Lacquer Finish, Add</i>	408.43	
		<i>For Baked Enamel Standard Colors, Add</i>	612.65	
		<i>For Anodized Finish, Add</i>	816.87	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,123.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0056 EA 30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,509.77	161.26
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	218.72	
<i>For Clear Lacquer Finish, Add</i>	437.45	
<i>For Baked Enamel Standard Colors, Add</i>	656.17	
<i>For Anodized Finish, Add</i>	874.89	
<i>For Kynar® Standard Colors Finish, Add</i>	1,202.98	
08 91 16 00-0057 EA 30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,676.72	172.78
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	233.12	
<i>For Clear Lacquer Finish, Add</i>	466.23	
<i>For Baked Enamel Standard Colors, Add</i>	699.35	
<i>For Anodized Finish, Add</i>	932.46	
<i>For Kynar® Standard Colors Finish, Add</i>	1,282.14	
08 91 16 00-0058 EA 30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,884.73	180.46
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	252.38	
<i>For Clear Lacquer Finish, Add</i>	504.76	
<i>For Baked Enamel Standard Colors, Add</i>	757.14	
<i>For Anodized Finish, Add</i>	1,009.52	
<i>For Kynar® Standard Colors Finish, Add</i>	1,388.10	
08 91 16 00-0059 EA 30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,065.55	188.14
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	268.93	
<i>For Clear Lacquer Finish, Add</i>	537.85	
<i>For Baked Enamel Standard Colors, Add</i>	806.78	
<i>For Anodized Finish, Add</i>	1,075.71	
<i>For Kynar® Standard Colors Finish, Add</i>	1,479.10	
08 91 16 00-0060 EA 30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,285.78	199.66
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	288.65	
<i>For Clear Lacquer Finish, Add</i>	577.29	
<i>For Baked Enamel Standard Colors, Add</i>	865.94	
<i>For Anodized Finish, Add</i>	1,154.58	
<i>For Kynar® Standard Colors Finish, Add</i>	1,587.55	
08 91 16 00-0061 EA 30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,461.82	211.18
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	303.95	
<i>For Clear Lacquer Finish, Add</i>	607.89	
<i>For Baked Enamel Standard Colors, Add</i>	911.84	
<i>For Anodized Finish, Add</i>	1,215.78	
<i>For Kynar® Standard Colors Finish, Add</i>	1,671.70	
08 91 16 00-0062 EA 36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	822.97	65.28
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	69.24	
<i>For Clear Lacquer Finish, Add</i>	138.49	
<i>For Baked Enamel Standard Colors, Add</i>	207.73	
<i>For Anodized Finish, Add</i>	276.97	
<i>For Kynar® Standard Colors Finish, Add</i>	380.84	
08 91 16 00-0063 EA 36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,112.96	84.48
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	94.40	
<i>For Clear Lacquer Finish, Add</i>	188.80	
<i>For Baked Enamel Standard Colors, Add</i>	283.21	
<i>For Anodized Finish, Add</i>	377.61	
<i>For Kynar® Standard Colors Finish, Add</i>	519.21	
08 91 16 00-0064 EA 36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,300.33	96.00
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	110.84	
<i>For Clear Lacquer Finish, Add</i>	221.67	
<i>For Baked Enamel Standard Colors, Add</i>	332.51	
<i>For Anodized Finish, Add</i>	443.34	
<i>For Kynar® Standard Colors Finish, Add</i>	609.59	
08 91 16 00-0065 EA 36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,522.83	107.52
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	130.78	
<i>For Clear Lacquer Finish, Add</i>	261.56	
<i>For Baked Enamel Standard Colors, Add</i>	392.34	
<i>For Anodized Finish, Add</i>	523.12	
<i>For Kynar® Standard Colors Finish, Add</i>	719.30	
08 91 16 00-0066 EA 36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,728.26	116.72
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	149.48	
<i>For Clear Lacquer Finish, Add</i>	298.96	
<i>For Baked Enamel Standard Colors, Add</i>	448.44	
<i>For Anodized Finish, Add</i>	597.92	
<i>For Kynar® Standard Colors Finish, Add</i>	822.14	
08 91 16 00-0067 EA 36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,921.61	126.70
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	166.82	
<i>For Clear Lacquer Finish, Add</i>	333.64	
<i>For Baked Enamel Standard Colors, Add</i>	500.46	
<i>For Anodized Finish, Add</i>	667.28	
<i>For Kynar® Standard Colors Finish, Add</i>	917.50	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0068 EA 36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,171.56	134.38
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	190.28	
For Clear Lacquer Finish, Add	380.56	
For Baked Enamel Standard Colors, Add	570.83	
For Anodized Finish, Add	761.11	
For Kynar® Standard Colors Finish, Add	1,046.53	
08 91 16 00-0069 EA 36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,388.39	145.90
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	209.66	
For Clear Lacquer Finish, Add	419.31	
For Baked Enamel Standard Colors, Add	628.97	
For Anodized Finish, Add	838.63	
For Kynar® Standard Colors Finish, Add	1,153.11	
08 91 16 00-0070 EA 36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,565.55	157.42
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	225.07	
For Clear Lacquer Finish, Add	450.14	
For Baked Enamel Standard Colors, Add	675.21	
For Anodized Finish, Add	900.28	
For Kynar® Standard Colors Finish, Add	1,237.88	
08 91 16 00-0071 EA 36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,747.25	168.94
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	240.94	
For Clear Lacquer Finish, Add	481.87	
For Baked Enamel Standard Colors, Add	722.81	
For Anodized Finish, Add	963.74	
For Kynar® Standard Colors Finish, Add	1,325.14	
08 91 16 00-0072 EA 36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,934.60	180.46
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	257.37	
For Clear Lacquer Finish, Add	514.74	
For Baked Enamel Standard Colors, Add	772.10	
For Anodized Finish, Add	1,029.47	
For Kynar® Standard Colors Finish, Add	1,415.52	
08 91 16 00-0073 EA 36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,161.88	188.14
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	278.56	
For Clear Lacquer Finish, Add	557.12	
For Baked Enamel Standard Colors, Add	835.68	
For Anodized Finish, Add	1,114.24	
For Kynar® Standard Colors Finish, Add	1,532.08	
08 91 16 00-0074 EA 36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,356.30	195.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	296.47	
For Clear Lacquer Finish, Add	592.93	
For Baked Enamel Standard Colors, Add	889.40	
For Anodized Finish, Add	1,185.86	
For Kynar® Standard Colors Finish, Add	1,630.56	
08 91 16 00-0075 EA 36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,604.86	207.34
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	319.02	
For Clear Lacquer Finish, Add	638.04	
For Baked Enamel Standard Colors, Add	957.05	
For Anodized Finish, Add	1,276.07	
For Kynar® Standard Colors Finish, Add	1,754.60	
08 91 16 00-0076 EA 36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,791.10	218.86
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	335.34	
For Clear Lacquer Finish, Add	670.68	
For Baked Enamel Standard Colors, Add	1,006.01	
For Anodized Finish, Add	1,341.35	
For Kynar® Standard Colors Finish, Add	1,844.36	
08 91 16 00-0077 EA 42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	941.46	72.96
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	79.56	
For Clear Lacquer Finish, Add	159.11	
For Baked Enamel Standard Colors, Add	238.67	
For Anodized Finish, Add	318.22	
For Kynar® Standard Colors Finish, Add	437.56	
08 91 16 00-0078 EA 42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,200.85	92.16
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	101.66	
For Clear Lacquer Finish, Add	203.31	
For Baked Enamel Standard Colors, Add	304.97	
For Anodized Finish, Add	406.62	
For Kynar® Standard Colors Finish, Add	559.10	
08 91 16 00-0079 EA 42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,408.62	103.68
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	120.13	
For Clear Lacquer Finish, Add	240.26	
For Baked Enamel Standard Colors, Add	360.38	
For Anodized Finish, Add	480.51	
For Kynar® Standard Colors Finish, Add	660.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0080 EA 42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,646.73	119.02
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	140.87	
<i>For Clear Lacquer Finish, Add</i>	281.73	
<i>For Baked Enamel Standard Colors, Add</i>	422.60	
<i>For Anodized Finish, Add</i>	563.47	
<i>For Kynar® Standard Colors Finish, Add</i>	774.77	
08 91 16 00-0081 EA 42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,864.94	126.70
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	161.15	
<i>For Clear Lacquer Finish, Add</i>	322.30	
<i>For Baked Enamel Standard Colors, Add</i>	483.46	
<i>For Anodized Finish, Add</i>	644.61	
<i>For Kynar® Standard Colors Finish, Add</i>	886.34	
08 91 16 00-0082 EA 42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,071.83	134.38
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	180.31	
<i>For Clear Lacquer Finish, Add</i>	360.61	
<i>For Baked Enamel Standard Colors, Add</i>	540.92	
<i>For Anodized Finish, Add</i>	721.22	
<i>For Kynar® Standard Colors Finish, Add</i>	991.68	
08 91 16 00-0083 EA 42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,343.31	142.06
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	205.92	
<i>For Clear Lacquer Finish, Add</i>	411.83	
<i>For Baked Enamel Standard Colors, Add</i>	617.75	
<i>For Anodized Finish, Add</i>	823.67	
<i>For Kynar® Standard Colors Finish, Add</i>	1,132.54	
08 91 16 00-0084 EA 42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,563.54	153.58
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	225.64	
<i>For Clear Lacquer Finish, Add</i>	451.27	
<i>For Baked Enamel Standard Colors, Add</i>	676.91	
<i>For Anodized Finish, Add</i>	902.54	
<i>For Kynar® Standard Colors Finish, Add</i>	1,241.00	
08 91 16 00-0085 EA 42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,762.24	165.10
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	243.20	
<i>For Clear Lacquer Finish, Add</i>	486.40	
<i>For Baked Enamel Standard Colors, Add</i>	729.61	
<i>For Anodized Finish, Add</i>	972.81	
<i>For Kynar® Standard Colors Finish, Add</i>	1,337.61	
08 91 16 00-0086 EA 42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,948.45	176.62
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	259.52	
<i>For Clear Lacquer Finish, Add</i>	519.04	
<i>For Baked Enamel Standard Colors, Add</i>	778.56	
<i>For Anodized Finish, Add</i>	1,038.08	
<i>For Kynar® Standard Colors Finish, Add</i>	1,427.37	
08 91 16 00-0087 EA 42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,151.68	188.14
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	277.54	
<i>For Clear Lacquer Finish, Add</i>	555.08	
<i>For Baked Enamel Standard Colors, Add</i>	832.62	
<i>For Anodized Finish, Add</i>	1,110.16	
<i>For Kynar® Standard Colors Finish, Add</i>	1,526.47	
08 91 16 00-0088 EA 42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,395.97	195.82
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	300.43	
<i>For Clear Lacquer Finish, Add</i>	600.87	
<i>For Baked Enamel Standard Colors, Add</i>	901.30	
<i>For Anodized Finish, Add</i>	1,201.73	
<i>For Kynar® Standard Colors Finish, Add</i>	1,652.38	
08 91 16 00-0089 EA 42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,608.52	203.50
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	320.15	
<i>For Clear Lacquer Finish, Add</i>	640.30	
<i>For Baked Enamel Standard Colors, Add</i>	960.46	
<i>For Anodized Finish, Add</i>	1,280.61	
<i>For Kynar® Standard Colors Finish, Add</i>	1,760.84	
08 91 16 00-0090 EA 42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,886.54	215.02
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	345.65	
<i>For Clear Lacquer Finish, Add</i>	691.30	
<i>For Baked Enamel Standard Colors, Add</i>	1,036.95	
<i>For Anodized Finish, Add</i>	1,382.60	
<i>For Kynar® Standard Colors Finish, Add</i>	1,901.08	
08 91 16 00-0091 EA 42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,080.71	226.54
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	362.76	
<i>For Clear Lacquer Finish, Add</i>	725.53	
<i>For Baked Enamel Standard Colors, Add</i>	1,088.29	
<i>For Anodized Finish, Add</i>	1,451.05	
<i>For Kynar® Standard Colors Finish, Add</i>	1,995.20	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092 EA 48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,019.15	80.64
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.79	
For Clear Lacquer Finish, Add	171.58	
For Baked Enamel Standard Colors, Add	257.37	
For Anodized Finish, Add	343.16	
For Kynar® Standard Colors Finish, Add	471.84	
08 91 16 00-0093 EA 48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,294.41	99.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	109.48	
For Clear Lacquer Finish, Add	218.95	
For Baked Enamel Standard Colors, Add	328.43	
For Anodized Finish, Add	437.90	
For Kynar® Standard Colors Finish, Add	602.11	
08 91 16 00-0094 EA 48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,531.39	115.20
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	130.10	
For Clear Lacquer Finish, Add	260.20	
For Baked Enamel Standard Colors, Add	390.30	
For Anodized Finish, Add	520.40	
For Kynar® Standard Colors Finish, Add	715.56	
08 91 16 00-0095 EA 48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,774.28	126.70
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	152.09	
For Clear Lacquer Finish, Add	304.17	
For Baked Enamel Standard Colors, Add	456.26	
For Anodized Finish, Add	608.34	
For Kynar® Standard Colors Finish, Add	836.47	
08 91 16 00-0096 EA 48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,015.16	134.38
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	174.64	
For Clear Lacquer Finish, Add	349.28	
For Baked Enamel Standard Colors, Add	523.91	
For Anodized Finish, Add	698.55	
For Kynar® Standard Colors Finish, Add	960.51	
08 91 16 00-0097 EA 48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,248.11	142.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	196.40	
For Clear Lacquer Finish, Add	392.79	
For Baked Enamel Standard Colors, Add	589.19	
For Anodized Finish, Add	785.59	
For Kynar® Standard Colors Finish, Add	1,080.18	
08 91 16 00-0098 EA 48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,538.61	153.58
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	223.14	
For Clear Lacquer Finish, Add	446.29	
For Baked Enamel Standard Colors, Add	669.43	
For Anodized Finish, Add	892.57	
For Kynar® Standard Colors Finish, Add	1,227.29	
08 91 16 00-0099 EA 48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,779.24	165.10
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	244.90	
For Clear Lacquer Finish, Add	489.80	
For Baked Enamel Standard Colors, Add	734.71	
For Anodized Finish, Add	979.61	
For Kynar® Standard Colors Finish, Add	1,346.96	
08 91 16 00-0100 EA 48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,988.12	176.62
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	263.49	
For Clear Lacquer Finish, Add	526.98	
For Baked Enamel Standard Colors, Add	790.46	
For Anodized Finish, Add	1,053.95	
For Kynar® Standard Colors Finish, Add	1,449.18	
08 91 16 00-0101 EA 48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,200.41	188.14
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	282.41	
For Clear Lacquer Finish, Add	564.83	
For Baked Enamel Standard Colors, Add	847.24	
For Anodized Finish, Add	1,129.65	
For Kynar® Standard Colors Finish, Add	1,553.27	
08 91 16 00-0102 EA 48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,408.18	199.66
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	300.89	
For Clear Lacquer Finish, Add	601.77	
For Baked Enamel Standard Colors, Add	902.66	
For Anodized Finish, Add	1,203.54	
For Kynar® Standard Colors Finish, Add	1,654.87	
08 91 16 00-0103 EA 48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,684.19	207.34
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	326.95	
For Clear Lacquer Finish, Add	653.90	
For Baked Enamel Standard Colors, Add	980.85	
For Anodized Finish, Add	1,307.80	
For Kynar® Standard Colors Finish, Add	1,798.23	



Openings	08	08
Louvers and Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0104	EA		48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,913.74	215.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	348.37	
			For Clear Lacquer Finish, Add	696.74	
			For Baked Enamel Standard Colors, Add	1,045.11	
			For Anodized Finish, Add	1,393.48	
			For Kynar® Standard Colors Finish, Add	1,916.04	
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,196.56	222.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	375.12	
			For Clear Lacquer Finish, Add	750.23	
			For Baked Enamel Standard Colors, Add	1,125.35	
			For Anodized Finish, Add	1,500.46	
			For Kynar® Standard Colors Finish, Add	2,063.14	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,409.99	234.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	394.16	
			For Clear Lacquer Finish, Add	788.31	
			For Baked Enamel Standard Colors, Add	1,182.47	
			For Anodized Finish, Add	1,576.62	
			For Kynar® Standard Colors Finish, Add	2,167.85	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,182.72	92.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	99.84	
			For Clear Lacquer Finish, Add	199.68	
			For Baked Enamel Standard Colors, Add	299.53	
			For Anodized Finish, Add	399.37	
			For Kynar® Standard Colors Finish, Add	549.13	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,514.64	111.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.19	
			For Clear Lacquer Finish, Add	258.39	
			For Baked Enamel Standard Colors, Add	387.58	
			For Anodized Finish, Add	516.78	
			For Kynar® Standard Colors Finish, Add	710.57	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,775.16	130.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	151.41	
			For Clear Lacquer Finish, Add	302.81	
			For Baked Enamel Standard Colors, Add	454.22	
			For Anodized Finish, Add	605.62	
			For Kynar® Standard Colors Finish, Add	832.73	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,036.44	138.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.00	
			For Clear Lacquer Finish, Add	352.00	
			For Baked Enamel Standard Colors, Add	527.99	
			For Anodized Finish, Add	703.99	
			For Kynar® Standard Colors Finish, Add	967.99	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,320.39	145.90
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.86	
			For Clear Lacquer Finish, Add	405.71	
			For Baked Enamel Standard Colors, Add	608.57	
			For Anodized Finish, Add	811.43	
			For Kynar® Standard Colors Finish, Add	1,115.71	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,574.87	153.58
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	226.77	
			For Clear Lacquer Finish, Add	453.54	
			For Baked Enamel Standard Colors, Add	680.31	
			For Anodized Finish, Add	907.08	
			For Kynar® Standard Colors Finish, Add	1,247.23	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,911.83	165.10
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	258.16	
			For Clear Lacquer Finish, Add	516.32	
			For Baked Enamel Standard Colors, Add	774.48	
			For Anodized Finish, Add	1,032.64	
			For Kynar® Standard Colors Finish, Add	1,419.89	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,239.70	176.62
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	288.65	
			For Clear Lacquer Finish, Add	577.29	
			For Baked Enamel Standard Colors, Add	865.94	
			For Anodized Finish, Add	1,154.58	
			For Kynar® Standard Colors Finish, Add	1,587.55	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,486.00	188.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	310.97	
			For Clear Lacquer Finish, Add	621.94	
			For Baked Enamel Standard Colors, Add	932.92	
			For Anodized Finish, Add	1,243.89	
			For Kynar® Standard Colors Finish, Add	1,710.35	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,728.90	199.66
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	332.96	
		<i>For Clear Lacquer Finish, Add</i>	665.92	
		<i>For Baked Enamel Standard Colors, Add</i>	998.87	
		<i>For Anodized Finish, Add</i>	1,331.83	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,831.27	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,961.85	207.34
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	354.72	
		<i>For Clear Lacquer Finish, Add</i>	709.43	
		<i>For Baked Enamel Standard Colors, Add</i>	1,064.15	
		<i>For Anodized Finish, Add</i>	1,418.87	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,950.94	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,269.59	215.02
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	383.96	
		<i>For Clear Lacquer Finish, Add</i>	767.91	
		<i>For Baked Enamel Standard Colors, Add</i>	1,151.87	
		<i>For Anodized Finish, Add</i>	1,535.82	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,111.75	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,526.34	222.70
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	408.09	
		<i>For Clear Lacquer Finish, Add</i>	816.19	
		<i>For Baked Enamel Standard Colors, Add</i>	1,224.28	
		<i>For Anodized Finish, Add</i>	1,632.38	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,244.52	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,856.75	230.38
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	439.60	
		<i>For Clear Lacquer Finish, Add</i>	879.20	
		<i>For Baked Enamel Standard Colors, Add</i>	1,318.80	
		<i>For Anodized Finish, Add</i>	1,758.40	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,417.79	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,105.32	241.90
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	462.15	
		<i>For Clear Lacquer Finish, Add</i>	924.30	
		<i>For Baked Enamel Standard Colors, Add</i>	1,386.46	
		<i>For Anodized Finish, Add</i>	1,848.61	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,541.84	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,255.88	99.84
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	105.62	
		<i>For Clear Lacquer Finish, Add</i>	211.24	
		<i>For Baked Enamel Standard Colors, Add</i>	316.87	
		<i>For Anodized Finish, Add</i>	422.49	
		<i>For Kynar® Standard Colors Finish, Add</i>	580.92	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,615.88	122.86
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	137.01	
		<i>For Clear Lacquer Finish, Add</i>	274.03	
		<i>For Baked Enamel Standard Colors, Add</i>	411.04	
		<i>For Anodized Finish, Add</i>	548.06	
		<i>For Kynar® Standard Colors Finish, Add</i>	753.58	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,881.18	138.22
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	160.47	
		<i>For Clear Lacquer Finish, Add</i>	320.94	
		<i>For Baked Enamel Standard Colors, Add</i>	481.42	
		<i>For Anodized Finish, Add</i>	641.89	
		<i>For Kynar® Standard Colors Finish, Add</i>	882.60	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,168.53	145.90
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	187.67	
		<i>For Clear Lacquer Finish, Add</i>	375.34	
		<i>For Baked Enamel Standard Colors, Add</i>	563.01	
		<i>For Anodized Finish, Add</i>	750.68	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,032.19	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,470.36	157.42
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	215.55	
		<i>For Clear Lacquer Finish, Add</i>	431.10	
		<i>For Baked Enamel Standard Colors, Add</i>	646.65	
		<i>For Anodized Finish, Add</i>	862.20	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,185.53	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,739.57	165.10
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	240.94	
		<i>For Clear Lacquer Finish, Add</i>	481.87	
		<i>For Baked Enamel Standard Colors, Add</i>	722.81	
		<i>For Anodized Finish, Add</i>	963.74	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,325.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0128 EA 60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	3,100.31	176.62
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	274.71	
<i>For Clear Lacquer Finish, Add</i>	549.41	
<i>For Baked Enamel Standard Colors, Add</i>	824.12	
<i>For Anodized Finish, Add</i>	1,098.83	
<i>For Kynar® Standard Colors Finish, Add</i>	1,510.89	
08 91 16 00-0129 EA 60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,437.27	188.14
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	306.10	
<i>For Clear Lacquer Finish, Add</i>	612.20	
<i>For Baked Enamel Standard Colors, Add</i>	918.30	
<i>For Anodized Finish, Add</i>	1,224.40	
<i>For Kynar® Standard Colors Finish, Add</i>	1,683.54	
08 91 16 00-0130 EA 60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,700.56	199.66
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	330.12	
<i>For Clear Lacquer Finish, Add</i>	660.25	
<i>For Baked Enamel Standard Colors, Add</i>	990.37	
<i>For Anodized Finish, Add</i>	1,320.50	
<i>For Kynar® Standard Colors Finish, Add</i>	1,815.68	
08 91 16 00-0131 EA 60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,959.33	211.18
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	353.70	
<i>For Clear Lacquer Finish, Add</i>	707.39	
<i>For Baked Enamel Standard Colors, Add</i>	1,061.09	
<i>For Anodized Finish, Add</i>	1,414.79	
<i>For Kynar® Standard Colors Finish, Add</i>	1,945.33	
08 91 16 00-0132 EA 60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,207.01	218.86
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	376.93	
<i>For Clear Lacquer Finish, Add</i>	753.86	
<i>For Baked Enamel Standard Colors, Add</i>	1,130.79	
<i>For Anodized Finish, Add</i>	1,507.72	
<i>For Kynar® Standard Colors Finish, Add</i>	2,073.11	
08 91 16 00-0133 EA 60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,540.82	226.54
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	408.77	
<i>For Clear Lacquer Finish, Add</i>	817.55	
<i>For Baked Enamel Standard Colors, Add</i>	1,226.32	
<i>For Anodized Finish, Add</i>	1,635.10	
<i>For Kynar® Standard Colors Finish, Add</i>	2,248.26	
08 91 16 00-0134 EA 60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,810.04	234.22
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	434.16	
<i>For Clear Lacquer Finish, Add</i>	868.32	
<i>For Baked Enamel Standard Colors, Add</i>	1,302.48	
<i>For Anodized Finish, Add</i>	1,736.64	
<i>For Kynar® Standard Colors Finish, Add</i>	2,387.88	
08 91 16 00-0135 EA 60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,157.45	241.90
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	467.37	
<i>For Clear Lacquer Finish, Add</i>	934.73	
<i>For Baked Enamel Standard Colors, Add</i>	1,402.10	
<i>For Anodized Finish, Add</i>	1,869.46	
<i>For Kynar® Standard Colors Finish, Add</i>	2,570.51	
08 91 16 00-0136 EA 60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,413.06	249.58
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	491.39	
<i>For Clear Lacquer Finish, Add</i>	982.78	
<i>For Baked Enamel Standard Colors, Add</i>	1,474.17	
<i>For Anodized Finish, Add</i>	1,965.56	
<i>For Kynar® Standard Colors Finish, Add</i>	2,702.65	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver.....	321.59	38.40
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	685.76	15.36

08 91 19 Fixed Louvers (08 91)

08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver.....	411.37	34.56
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	34.23	
		<i>For Clear Lacquer Finish, Add</i>	68.45	
		<i>For Baked Enamel Standard Colors, Add</i>	102.68	
		<i>For Anodized Finish, Add</i>	136.90	
		<i>For Kynar® Standard Colors Finish, Add</i>	188.24	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0003 EA 12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	489.06	42.24
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	40.46	
For Clear Lacquer Finish, Add	80.92	
For Baked Enamel Standard Colors, Add	121.37	
For Anodized Finish, Add	161.83	
For Kynar® Standard Colors Finish, Add	222.52	
08 91 19 00-0004 EA 12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	567.88	49.92
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	46.80	
For Clear Lacquer Finish, Add	93.61	
For Baked Enamel Standard Colors, Add	140.41	
For Anodized Finish, Add	187.22	
For Kynar® Standard Colors Finish, Add	257.42	
08 91 19 00-0005 EA 12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	665.97	57.60
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	55.08	
For Clear Lacquer Finish, Add	110.15	
For Baked Enamel Standard Colors, Add	165.23	
For Anodized Finish, Add	220.31	
For Kynar® Standard Colors Finish, Add	302.92	
08 91 19 00-0006 EA 12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	749.31	65.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	61.88	
For Clear Lacquer Finish, Add	123.75	
For Baked Enamel Standard Colors, Add	185.63	
For Anodized Finish, Add	247.51	
For Kynar® Standard Colors Finish, Add	340.32	
08 91 19 00-0007 EA 12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	882.53	72.96
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.66	
For Clear Lacquer Finish, Add	147.33	
For Baked Enamel Standard Colors, Add	220.99	
For Anodized Finish, Add	294.65	
For Kynar® Standard Colors Finish, Add	405.15	
08 91 19 00-0008 EA 12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	956.82	80.64
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	79.56	
For Clear Lacquer Finish, Add	159.11	
For Baked Enamel Standard Colors, Add	238.67	
For Anodized Finish, Add	318.22	
For Kynar® Standard Colors Finish, Add	437.56	
08 91 19 00-0009 EA 12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,070.52	92.16
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	88.62	
For Clear Lacquer Finish, Add	177.24	
For Baked Enamel Standard Colors, Add	265.87	
For Anodized Finish, Add	354.49	
For Kynar® Standard Colors Finish, Add	487.42	
08 91 19 00-0010 EA 12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,139.15	99.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	93.95	
For Clear Lacquer Finish, Add	187.90	
For Baked Enamel Standard Colors, Add	281.85	
For Anodized Finish, Add	375.80	
For Kynar® Standard Colors Finish, Add	516.72	
08 91 19 00-0011 EA 12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,231.57	107.52
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	101.66	
For Clear Lacquer Finish, Add	203.31	
For Baked Enamel Standard Colors, Add	304.97	
For Anodized Finish, Add	406.62	
For Kynar® Standard Colors Finish, Add	559.10	
08 91 19 00-0012 EA 12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,312.66	115.20
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	108.23	
For Clear Lacquer Finish, Add	216.46	
For Baked Enamel Standard Colors, Add	324.68	
For Anodized Finish, Add	432.91	
For Kynar® Standard Colors Finish, Add	595.25	
08 91 19 00-0013 EA 12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,408.49	122.86
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	116.28	
For Clear Lacquer Finish, Add	232.55	
For Baked Enamel Standard Colors, Add	348.83	
For Anodized Finish, Add	465.10	
For Kynar® Standard Colors Finish, Add	639.51	
08 91 19 00-0014 EA 12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,498.64	130.54
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	123.75	
For Clear Lacquer Finish, Add	247.51	
For Baked Enamel Standard Colors, Add	371.26	
For Anodized Finish, Add	495.02	
For Kynar® Standard Colors Finish, Add	680.65	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,580.61	142.06
			<i>For Flange Frame, Add</i>	129.65	
			<i>For Clear Lacquer Finish, Add</i>	259.29	
			<i>For Baked Enamel Standard Colors, Add</i>	388.94	
			<i>For Anodized Finish, Add</i>	518.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	713.06	
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,688.65	153.58
			<i>For Flange Frame, Add</i>	138.15	
			<i>For Clear Lacquer Finish, Add</i>	276.29	
			<i>For Baked Enamel Standard Colors, Add</i>	414.44	
			<i>For Anodized Finish, Add</i>	552.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	759.81	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	478.86	42.24
			<i>For Flange Frame, Add</i>	39.44	
			<i>For Clear Lacquer Finish, Add</i>	78.88	
			<i>For Baked Enamel Standard Colors, Add</i>	118.31	
			<i>For Anodized Finish, Add</i>	157.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	216.91	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	575.56	53.76
			<i>For Flange Frame, Add</i>	46.80	
			<i>For Clear Lacquer Finish, Add</i>	93.61	
			<i>For Baked Enamel Standard Colors, Add</i>	140.41	
			<i>For Anodized Finish, Add</i>	187.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	257.42	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	666.83	61.44
			<i>For Flange Frame, Add</i>	54.40	
			<i>For Clear Lacquer Finish, Add</i>	108.79	
			<i>For Baked Enamel Standard Colors, Add</i>	163.19	
			<i>For Anodized Finish, Add</i>	217.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	299.18	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	835.81	76.80
			<i>For Flange Frame, Add</i>	68.22	
			<i>For Clear Lacquer Finish, Add</i>	136.45	
			<i>For Baked Enamel Standard Colors, Add</i>	204.67	
			<i>For Anodized Finish, Add</i>	272.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	375.23	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	957.70	84.48
			<i>For Flange Frame, Add</i>	78.88	
			<i>For Clear Lacquer Finish, Add</i>	157.75	
			<i>For Baked Enamel Standard Colors, Add</i>	236.63	
			<i>For Anodized Finish, Add</i>	315.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	433.82	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,065.99	92.16
			<i>For Flange Frame, Add</i>	88.17	
			<i>For Clear Lacquer Finish, Add</i>	176.34	
			<i>For Baked Enamel Standard Colors, Add</i>	264.51	
			<i>For Anodized Finish, Add</i>	352.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	484.93	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,143.68	99.84
			<i>For Flange Frame, Add</i>	94.40	
			<i>For Clear Lacquer Finish, Add</i>	188.80	
			<i>For Baked Enamel Standard Colors, Add</i>	283.21	
			<i>For Anodized Finish, Add</i>	377.61	
			<i>For Kynar® Standard Colors Finish, Add</i>	519.21	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,273.25	111.36
			<i>For Flange Frame, Add</i>	105.06	
			<i>For Clear Lacquer Finish, Add</i>	210.11	
			<i>For Baked Enamel Standard Colors, Add</i>	315.17	
			<i>For Anodized Finish, Add</i>	420.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	577.80	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,365.42	122.86
			<i>For Flange Frame, Add</i>	111.97	
			<i>For Clear Lacquer Finish, Add</i>	223.94	
			<i>For Baked Enamel Standard Colors, Add</i>	335.90	
			<i>For Anodized Finish, Add</i>	447.87	
			<i>For Kynar® Standard Colors Finish, Add</i>	615.82	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,482.78	130.54
			<i>For Flange Frame, Add</i>	122.17	
			<i>For Clear Lacquer Finish, Add</i>	244.34	
			<i>For Baked Enamel Standard Colors, Add</i>	366.50	
			<i>For Anodized Finish, Add</i>	488.67	
			<i>For Kynar® Standard Colors Finish, Add</i>	671.92	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,572.93	138.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	129.65	
		For Clear Lacquer Finish, Add	259.29	
		For Baked Enamel Standard Colors, Add	388.94	
		For Anodized Finish, Add	518.59	
		For Kynar® Standard Colors Finish, Add	713.06	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,673.29	145.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	138.15	
		For Clear Lacquer Finish, Add	276.29	
		For Baked Enamel Standard Colors, Add	414.44	
		For Anodized Finish, Add	552.59	
		For Kynar® Standard Colors Finish, Add	759.81	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,778.18	153.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	147.10	
		For Clear Lacquer Finish, Add	294.20	
		For Baked Enamel Standard Colors, Add	441.30	
		For Anodized Finish, Add	588.40	
		For Kynar® Standard Colors Finish, Add	809.05	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,872.61	165.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	154.24	
		For Clear Lacquer Finish, Add	308.48	
		For Baked Enamel Standard Colors, Add	462.72	
		For Anodized Finish, Add	616.96	
		For Kynar® Standard Colors Finish, Add	848.31	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,002.16	176.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	164.89	
		For Clear Lacquer Finish, Add	329.78	
		For Baked Enamel Standard Colors, Add	494.68	
		For Anodized Finish, Add	659.57	
		For Kynar® Standard Colors Finish, Add	906.91	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	554.29	49.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	45.45	
		For Clear Lacquer Finish, Add	90.89	
		For Baked Enamel Standard Colors, Add	136.34	
		For Anodized Finish, Add	181.78	
		For Kynar® Standard Colors Finish, Add	249.95	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	661.17	61.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	53.83	
		For Clear Lacquer Finish, Add	107.66	
		For Baked Enamel Standard Colors, Add	161.49	
		For Anodized Finish, Add	215.32	
		For Kynar® Standard Colors Finish, Add	296.07	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	817.94	72.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	67.20	
		For Clear Lacquer Finish, Add	134.41	
		For Baked Enamel Standard Colors, Add	201.61	
		For Anodized Finish, Add	268.82	
		For Kynar® Standard Colors Finish, Add	369.62	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	965.38	88.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	78.88	
		For Clear Lacquer Finish, Add	157.75	
		For Baked Enamel Standard Colors, Add	236.63	
		For Anodized Finish, Add	315.50	
		For Kynar® Standard Colors Finish, Add	433.82	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,103.14	96.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	91.12	
		For Clear Lacquer Finish, Add	182.23	
		For Baked Enamel Standard Colors, Add	273.35	
		For Anodized Finish, Add	364.46	
		For Kynar® Standard Colors Finish, Add	501.14	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,230.69	103.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	102.34	
		For Clear Lacquer Finish, Add	204.67	
		For Baked Enamel Standard Colors, Add	307.01	
		For Anodized Finish, Add	409.34	
		For Kynar® Standard Colors Finish, Add	562.84	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,338.73	115.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	110.84	
		For Clear Lacquer Finish, Add	221.67	
		For Baked Enamel Standard Colors, Add	332.51	
		For Anodized Finish, Add	443.34	
		For Kynar® Standard Colors Finish, Add	609.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0039 EA 24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,482.78	130.54
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	122.17	
<i>For Clear Lacquer Finish, Add</i>	244.34	
<i>For Baked Enamel Standard Colors, Add</i>	366.50	
<i>For Anodized Finish, Add</i>	488.67	
<i>For Kynar® Standard Colors Finish, Add</i>	671.92	
08 91 19 00-0040 EA 24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,577.47	138.22
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	130.10	
<i>For Clear Lacquer Finish, Add</i>	260.20	
<i>For Baked Enamel Standard Colors, Add</i>	390.30	
<i>For Anodized Finish, Add</i>	520.40	
<i>For Kynar® Standard Colors Finish, Add</i>	715.56	
08 91 19 00-0041 EA 24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,733.98	153.58
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	142.68	
<i>For Clear Lacquer Finish, Add</i>	285.36	
<i>For Baked Enamel Standard Colors, Add</i>	428.04	
<i>For Anodized Finish, Add</i>	570.72	
<i>For Kynar® Standard Colors Finish, Add</i>	784.74	
08 91 19 00-0042 EA 24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,832.07	161.26
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	150.95	
<i>For Clear Lacquer Finish, Add</i>	301.91	
<i>For Baked Enamel Standard Colors, Add</i>	452.86	
<i>For Anodized Finish, Add</i>	603.81	
<i>For Kynar® Standard Colors Finish, Add</i>	830.24	
08 91 19 00-0043 EA 24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,958.49	168.94
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	162.06	
<i>For Clear Lacquer Finish, Add</i>	324.12	
<i>For Baked Enamel Standard Colors, Add</i>	486.18	
<i>For Anodized Finish, Add</i>	648.24	
<i>For Kynar® Standard Colors Finish, Add</i>	891.32	
08 91 19 00-0044 EA 24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,082.63	176.62
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	172.94	
<i>For Clear Lacquer Finish, Add</i>	345.88	
<i>For Baked Enamel Standard Colors, Add</i>	518.82	
<i>For Anodized Finish, Add</i>	691.76	
<i>For Kynar® Standard Colors Finish, Add</i>	951.16	
08 91 19 00-0045 EA 24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,179.33	188.14
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	180.31	
<i>For Clear Lacquer Finish, Add</i>	360.61	
<i>For Baked Enamel Standard Colors, Add</i>	540.92	
<i>For Anodized Finish, Add</i>	721.22	
<i>For Kynar® Standard Colors Finish, Add</i>	991.68	
08 91 19 00-0046 EA 24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,336.10	199.66
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	193.68	
<i>For Clear Lacquer Finish, Add</i>	387.36	
<i>For Baked Enamel Standard Colors, Add</i>	581.03	
<i>For Anodized Finish, Add</i>	774.71	
<i>For Kynar® Standard Colors Finish, Add</i>	1,065.23	
08 91 19 00-0047 EA 30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	621.78	57.60
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	50.66	
<i>For Clear Lacquer Finish, Add</i>	101.32	
<i>For Baked Enamel Standard Colors, Add</i>	151.97	
<i>For Anodized Finish, Add</i>	202.63	
<i>For Kynar® Standard Colors Finish, Add</i>	278.62	
08 91 19 00-0048 EA 30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	805.22	76.80
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	65.16	
<i>For Clear Lacquer Finish, Add</i>	130.33	
<i>For Baked Enamel Standard Colors, Add</i>	195.49	
<i>For Anodized Finish, Add</i>	260.66	
<i>For Kynar® Standard Colors Finish, Add</i>	358.40	
08 91 19 00-0049 EA 30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	939.32	88.32
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	76.27	
<i>For Clear Lacquer Finish, Add</i>	152.54	
<i>For Baked Enamel Standard Colors, Add</i>	228.81	
<i>For Anodized Finish, Add</i>	305.08	
<i>For Kynar® Standard Colors Finish, Add</i>	419.49	
08 91 19 00-0050 EA 30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,094.95	99.84
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	89.53	
<i>For Clear Lacquer Finish, Add</i>	179.06	
<i>For Baked Enamel Standard Colors, Add</i>	268.59	
<i>For Anodized Finish, Add</i>	358.12	
<i>For Kynar® Standard Colors Finish, Add</i>	492.41	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,259.90	107.52
		<i>For Flange Frame, Add</i>	104.49	
		<i>For Clear Lacquer Finish, Add</i>	208.98	
		<i>For Baked Enamel Standard Colors, Add</i>	313.46	
		<i>For Anodized Finish, Add</i>	417.95	
		<i>For Kynar® Standard Colors Finish, Add</i>	574.68	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,400.81	119.02
		<i>For Flange Frame, Add</i>	116.28	
		<i>For Clear Lacquer Finish, Add</i>	232.55	
		<i>For Baked Enamel Standard Colors, Add</i>	348.83	
		<i>For Anodized Finish, Add</i>	465.10	
		<i>For Kynar® Standard Colors Finish, Add</i>	639.51	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,505.69	126.70
		<i>For Flange Frame, Add</i>	125.23	
		<i>For Clear Lacquer Finish, Add</i>	250.45	
		<i>For Baked Enamel Standard Colors, Add</i>	375.68	
		<i>For Anodized Finish, Add</i>	500.91	
		<i>For Kynar® Standard Colors Finish, Add</i>	688.75	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,653.40	138.22
		<i>For Flange Frame, Add</i>	137.69	
		<i>For Clear Lacquer Finish, Add</i>	275.39	
		<i>For Baked Enamel Standard Colors, Add</i>	413.08	
		<i>For Anodized Finish, Add</i>	550.78	
		<i>For Kynar® Standard Colors Finish, Add</i>	757.32	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,770.75	145.90
		<i>For Flange Frame, Add</i>	147.89	
		<i>For Clear Lacquer Finish, Add</i>	295.79	
		<i>For Baked Enamel Standard Colors, Add</i>	443.68	
		<i>For Anodized Finish, Add</i>	591.57	
		<i>For Kynar® Standard Colors Finish, Add</i>	813.41	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,951.06	161.26
		<i>For Flange Frame, Add</i>	162.85	
		<i>For Clear Lacquer Finish, Add</i>	325.70	
		<i>For Baked Enamel Standard Colors, Add</i>	488.56	
		<i>For Anodized Finish, Add</i>	651.41	
		<i>For Kynar® Standard Colors Finish, Add</i>	895.69	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,067.01	172.78
		<i>For Flange Frame, Add</i>	172.15	
		<i>For Clear Lacquer Finish, Add</i>	344.29	
		<i>For Baked Enamel Standard Colors, Add</i>	516.44	
		<i>For Anodized Finish, Add</i>	688.58	
		<i>For Kynar® Standard Colors Finish, Add</i>	946.80	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,201.37	180.46
		<i>For Flange Frame, Add</i>	184.05	
		<i>For Clear Lacquer Finish, Add</i>	368.09	
		<i>For Baked Enamel Standard Colors, Add</i>	552.14	
		<i>For Anodized Finish, Add</i>	736.18	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,012.25	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,334.59	188.14
		<i>For Flange Frame, Add</i>	195.83	
		<i>For Clear Lacquer Finish, Add</i>	391.66	
		<i>For Baked Enamel Standard Colors, Add</i>	587.49	
		<i>For Anodized Finish, Add</i>	783.32	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,077.07	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,448.29	199.66
		<i>For Flange Frame, Add</i>	204.90	
		<i>For Clear Lacquer Finish, Add</i>	409.79	
		<i>For Baked Enamel Standard Colors, Add</i>	614.69	
		<i>For Anodized Finish, Add</i>	819.59	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,126.93	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,625.46	211.18
		<i>For Flange Frame, Add</i>	220.31	
		<i>For Clear Lacquer Finish, Add</i>	440.62	
		<i>For Baked Enamel Standard Colors, Add</i>	660.93	
		<i>For Anodized Finish, Add</i>	881.24	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,211.71	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	690.38	65.28
		<i>For Flange Frame, Add</i>	55.98	
		<i>For Clear Lacquer Finish, Add</i>	111.97	
		<i>For Baked Enamel Standard Colors, Add</i>	167.95	
		<i>For Anodized Finish, Add</i>	223.94	
		<i>For Kynar® Standard Colors Finish, Add</i>	307.91	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	905.57	84.48
			<i>For Flange Frame, Add</i>	73.66	
			<i>For Clear Lacquer Finish, Add</i>	147.33	
			<i>For Baked Enamel Standard Colors, Add</i>	220.99	
			<i>For Anodized Finish, Add</i>	294.65	
			<i>For Kynar® Standard Colors Finish, Add</i>	405.15	
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,046.47	96.00
			<i>For Flange Frame, Add</i>	85.45	
			<i>For Clear Lacquer Finish, Add</i>	170.90	
			<i>For Baked Enamel Standard Colors, Add</i>	256.35	
			<i>For Anodized Finish, Add</i>	341.80	
			<i>For Kynar® Standard Colors Finish, Add</i>	469.97	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,213.44	107.52
			<i>For Flange Frame, Add</i>	99.84	
			<i>For Clear Lacquer Finish, Add</i>	199.68	
			<i>For Baked Enamel Standard Colors, Add</i>	299.53	
			<i>For Anodized Finish, Add</i>	399.37	
			<i>For Kynar® Standard Colors Finish, Add</i>	549.13	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,399.61	116.72
			<i>For Flange Frame, Add</i>	116.62	
			<i>For Clear Lacquer Finish, Add</i>	233.23	
			<i>For Baked Enamel Standard Colors, Add</i>	349.85	
			<i>For Anodized Finish, Add</i>	466.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	641.38	
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,545.36	126.70
			<i>For Flange Frame, Add</i>	129.19	
			<i>For Clear Lacquer Finish, Add</i>	258.39	
			<i>For Baked Enamel Standard Colors, Add</i>	387.58	
			<i>For Anodized Finish, Add</i>	516.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	710.57	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,670.65	134.38
			<i>For Flange Frame, Add</i>	140.19	
			<i>For Clear Lacquer Finish, Add</i>	280.37	
			<i>For Baked Enamel Standard Colors, Add</i>	420.56	
			<i>For Anodized Finish, Add</i>	560.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	771.03	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,838.75	145.90
			<i>For Flange Frame, Add</i>	154.69	
			<i>For Clear Lacquer Finish, Add</i>	309.39	
			<i>For Baked Enamel Standard Colors, Add</i>	464.08	
			<i>For Anodized Finish, Add</i>	618.77	
			<i>For Kynar® Standard Colors Finish, Add</i>	850.81	
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,967.18	157.42
			<i>For Flange Frame, Add</i>	165.23	
			<i>For Clear Lacquer Finish, Add</i>	330.46	
			<i>For Baked Enamel Standard Colors, Add</i>	495.70	
			<i>For Anodized Finish, Add</i>	660.93	
			<i>For Kynar® Standard Colors Finish, Add</i>	908.78	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,168.15	168.94
			<i>For Flange Frame, Add</i>	183.03	
			<i>For Clear Lacquer Finish, Add</i>	366.05	
			<i>For Baked Enamel Standard Colors, Add</i>	549.08	
			<i>For Anodized Finish, Add</i>	732.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,006.64	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,302.23	180.46
			<i>For Flange Frame, Add</i>	194.13	
			<i>For Clear Lacquer Finish, Add</i>	388.26	
			<i>For Baked Enamel Standard Colors, Add</i>	582.39	
			<i>For Anodized Finish, Add</i>	776.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,067.72	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,445.65	188.14
			<i>For Flange Frame, Add</i>	206.94	
			<i>For Clear Lacquer Finish, Add</i>	413.87	
			<i>For Baked Enamel Standard Colors, Add</i>	620.81	
			<i>For Anodized Finish, Add</i>	827.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,138.15	
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,594.74	195.82
			<i>For Flange Frame, Add</i>	220.31	
			<i>For Clear Lacquer Finish, Add</i>	440.62	
			<i>For Baked Enamel Standard Colors, Add</i>	660.93	
			<i>For Anodized Finish, Add</i>	881.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,211.71	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,724.30	207.34
		Note: Includes bird screen.		
		For Flange Frame, Add	230.96	
		For Clear Lacquer Finish, Add	461.92	
		For Baked Enamel Standard Colors, Add	692.89	
		For Anodized Finish, Add	923.85	
		For Kynar® Standard Colors Finish, Add	1,270.29	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,924.14	218.86
		Note: Includes bird screen.		
		For Flange Frame, Add	248.64	
		For Clear Lacquer Finish, Add	497.28	
		For Baked Enamel Standard Colors, Add	745.93	
		For Anodized Finish, Add	994.57	
		For Kynar® Standard Colors Finish, Add	1,367.53	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	802.07	72.96
		Note: Includes bird screen.		
		For Flange Frame, Add	65.62	
		For Clear Lacquer Finish, Add	131.23	
		For Baked Enamel Standard Colors, Add	196.85	
		For Anodized Finish, Add	262.47	
		For Kynar® Standard Colors Finish, Add	360.89	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	984.40	92.16
		Note: Includes bird screen.		
		For Flange Frame, Add	80.01	
		For Clear Lacquer Finish, Add	160.02	
		For Baked Enamel Standard Colors, Add	240.03	
		For Anodized Finish, Add	320.04	
		For Kynar® Standard Colors Finish, Add	440.06	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,140.03	103.68
		Note: Includes bird screen.		
		For Flange Frame, Add	93.27	
		For Clear Lacquer Finish, Add	186.54	
		For Baked Enamel Standard Colors, Add	279.81	
		For Anodized Finish, Add	373.08	
		For Kynar® Standard Colors Finish, Add	512.98	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,332.81	119.02
		Note: Includes bird screen.		
		For Flange Frame, Add	109.48	
		For Clear Lacquer Finish, Add	218.95	
		For Baked Enamel Standard Colors, Add	328.43	
		For Anodized Finish, Add	437.90	
		For Kynar® Standard Colors Finish, Add	602.11	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,534.03	126.70
		Note: Includes bird screen.		
		For Flange Frame, Add	128.06	
		For Clear Lacquer Finish, Add	256.12	
		For Baked Enamel Standard Colors, Add	384.18	
		For Anodized Finish, Add	512.24	
		For Kynar® Standard Colors Finish, Add	704.34	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,695.58	134.38
		Note: Includes bird screen.		
		For Flange Frame, Add	142.68	
		For Clear Lacquer Finish, Add	285.36	
		For Baked Enamel Standard Colors, Add	428.04	
		For Anodized Finish, Add	570.72	
		For Kynar® Standard Colors Finish, Add	784.74	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,835.60	142.06
		Note: Includes bird screen.		
		For Flange Frame, Add	155.15	
		For Clear Lacquer Finish, Add	310.29	
		For Baked Enamel Standard Colors, Add	465.44	
		For Anodized Finish, Add	620.58	
		For Kynar® Standard Colors Finish, Add	853.30	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,003.70	153.58
		Note: Includes bird screen.		
		For Flange Frame, Add	169.65	
		For Clear Lacquer Finish, Add	339.30	
		For Baked Enamel Standard Colors, Add	508.96	
		For Anodized Finish, Add	678.61	
		For Kynar® Standard Colors Finish, Add	933.09	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,148.00	165.10
		Note: Includes bird screen.		
		For Flange Frame, Add	181.78	
		For Clear Lacquer Finish, Add	363.56	
		For Baked Enamel Standard Colors, Add	545.33	
		For Anodized Finish, Add	727.11	
		For Kynar® Standard Colors Finish, Add	999.78	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,370.48	176.62
		Note: Includes bird screen.		
		For Flange Frame, Add	201.72	
		For Clear Lacquer Finish, Add	403.45	
		For Baked Enamel Standard Colors, Add	605.17	
		For Anodized Finish, Add	806.90	
		For Kynar® Standard Colors Finish, Add	1,109.48	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,514.78 213.85 427.70 641.55 855.40 1,176.18	188.14
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,676.33 228.47 456.94 685.41 913.88 1,256.58	195.82
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,839.02 243.20 486.40 729.61 972.81 1,337.61	203.50
08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,991.25 256.12 512.24 768.36 1,024.48 1,408.67	215.02
08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,205.82 275.27 550.55 825.82 1,101.10 1,514.01	226.54
08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	877.49 71.62 143.25 214.87 286.49 393.93	80.64
08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,075.69 87.60 175.21 262.81 350.41 481.82	99.84
08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,259.40 102.90 205.80 308.71 411.61 565.96	115.20
08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,447.90 119.45 238.90 358.34 477.79 656.96	126.70
08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,677.45 140.87 281.73 422.60 563.47 774.77	134.38
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,863.93 157.98 315.96 473.94 631.92 868.88	142.06
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,019.57 171.24 342.48 513.72 684.96 941.81	153.58

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,262.46 193.22 386.45 579.67 772.90 1,062.73	165.10
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,370.48 201.72 403.45 605.17 806.90 1,109.48	176.62
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,607.71 223.14 446.29 669.43 892.57 1,227.29	188.14
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,773.54 237.42 474.84 712.27 949.69 1,305.82	199.66
08 91	19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,953.23 253.86 507.71 761.57 1,015.42 1,396.20	207.34
08 91	19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,132.91 270.29 540.57 810.86 1,081.15 1,486.58	215.02
08 91	19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,283.13 283.77 567.55 851.32 1,135.09 1,560.75	222.70
08 91	19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,529.43 306.10 612.20 918.30 1,224.40 1,683.54	234.22
08 91	19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	973.06 78.88 157.75 236.63 315.50 433.82	92.16
08 91	19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,193.92 97.12 194.24 291.37 388.49 534.17	111.36
08 91	19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,397.78 113.67 227.34 341.00 454.67 625.17	130.54
08 91	19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,597.86 132.14 264.28 396.42 528.56 726.77	138.22



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,871.61 157.98 315.96 473.94 631.92 868.88	145.90
08 91	19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,062.63 175.55 351.09 526.64 702.18 965.50	153.58
08 91	19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,244.33 191.41 382.82 574.23 765.64 1,052.76	165.10
08 91	19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,508.74 215.55 431.10 646.65 862.20 1,185.53	176.62
08 91	19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,696.10 231.98 463.96 695.95 927.93 1,275.90	188.14
08 91	19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,973.00 257.37 514.74 772.10 1,029.47 1,415.52	199.66
08 91	19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,151.55 273.69 547.37 821.06 1,094.75 1,505.28	207.34
08 91	19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,355.04 292.50 585.00 877.50 1,170.00 1,608.75	215.02
08 91	19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,550.59 310.52 621.04 931.56 1,242.08 1,707.85	222.70
08 91	19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,713.27 325.25 650.50 975.75 1,301.00 1,788.88	230.38
08 91	19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,999.23 351.54 703.09 1,054.63 1,406.17 1,933.49	241.90
08 91	19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,046.22 84.66 169.31 253.97 338.62 465.61	99.84

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,290.62 104.49 208.98 313.46 417.95 574.68	122.86
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,498.14 122.17 244.34 366.50 488.67 671.92	138.22
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,728.82 143.70 287.40 431.10 574.80 790.35	145.90
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,015.91 170.11 340.21 510.32 680.42 935.58	157.42
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,229.60 189.94 379.88 569.81 759.75 1,044.66	165.10
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,419.21 206.60 413.19 619.79 826.39 1,136.28	176.62
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,701.77 232.55 465.10 697.65 930.20 1,279.02	188.14
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,902.74 250.34 500.68 751.03 1,001.37 1,376.88	199.66
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,202.30 277.99 555.99 833.98 1,111.98 1,528.97	211.18
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,392.18 295.45 590.89 886.34 1,181.78 1,624.95	218.86
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,608.13 315.51 631.01 946.52 1,262.02 1,735.28	226.54
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,819.55 335.11 670.22 1,005.33 1,340.44 1,843.11	234.22



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,999.23 351.54 703.09 1,054.63 1,406.17 1,933.49	241.90
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,296.78 379.76 759.52 1,139.29 1,519.05 2,088.69	249.58
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,203.24 98.82 197.64 296.47 395.29 543.52	107.52
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,487.31 122.62 245.24 367.86 490.48 674.42	130.54
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,733.98 142.68 285.36 428.04 570.72 784.74	153.58
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,985.06 166.25 332.50 498.76 665.01 914.39	161.26
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,317.74 197.98 395.97 593.95 791.94 1,088.91	168.94
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,550.67 219.74 439.49 659.23 878.97 1,208.59	176.62
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,776.57 240.03 480.06 720.09 960.12 1,320.16	188.14
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,041.00 264.17 528.34 792.50 1,056.67 1,452.92	199.66
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,265.76 284.34 568.68 853.02 1,137.36 1,563.87	211.18
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,610.40 315.73 631.46 947.20 1,262.93 1,736.53	226.54

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,827.23	238.06
			<i>For Flange Frame, Add</i>	335.11	
			<i>For Clear Lacquer Finish, Add</i>	670.22	
			<i>For Baked Enamel Standard Colors, Add</i>	1,005.33	
			<i>For Anodized Finish, Add</i>	1,340.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,843.11	
08 91	19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,055.65	245.74
			<i>For Flange Frame, Add</i>	356.42	
			<i>For Clear Lacquer Finish, Add</i>	712.83	
			<i>For Baked Enamel Standard Colors, Add</i>	1,069.25	
			<i>For Anodized Finish, Add</i>	1,425.67	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,960.29	
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,288.60	253.42
			<i>For Flange Frame, Add</i>	378.18	
			<i>For Clear Lacquer Finish, Add</i>	756.35	
			<i>For Baked Enamel Standard Colors, Add</i>	1,134.53	
			<i>For Anodized Finish, Add</i>	1,512.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,079.97	
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,490.95	261.10
			<i>For Flange Frame, Add</i>	396.88	
			<i>For Clear Lacquer Finish, Add</i>	793.75	
			<i>For Baked Enamel Standard Colors, Add</i>	1,190.63	
			<i>For Anodized Finish, Add</i>	1,587.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,182.81	
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,822.49	268.78
			<i>For Flange Frame, Add</i>	428.49	
			<i>For Clear Lacquer Finish, Add</i>	856.99	
			<i>For Baked Enamel Standard Colors, Add</i>	1,285.48	
			<i>For Anodized Finish, Add</i>	1,713.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,356.71	
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,270.73	115.20
			<i>For Flange Frame, Add</i>	104.04	
			<i>For Clear Lacquer Finish, Add</i>	208.07	
			<i>For Baked Enamel Standard Colors, Add</i>	312.11	
			<i>For Anodized Finish, Add</i>	416.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	572.19	
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,568.40	138.22
			<i>For Flange Frame, Add</i>	129.19	
			<i>For Clear Lacquer Finish, Add</i>	258.39	
			<i>For Baked Enamel Standard Colors, Add</i>	387.58	
			<i>For Anodized Finish, Add</i>	516.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	710.57	
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,827.54	161.26
			<i>For Flange Frame, Add</i>	150.50	
			<i>For Clear Lacquer Finish, Add</i>	301.00	
			<i>For Baked Enamel Standard Colors, Add</i>	451.50	
			<i>For Anodized Finish, Add</i>	602.00	
			<i>For Kynar® Standard Colors Finish, Add</i>	827.75	
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,101.01	172.78
			<i>For Flange Frame, Add</i>	175.55	
			<i>For Clear Lacquer Finish, Add</i>	351.09	
			<i>For Baked Enamel Standard Colors, Add</i>	526.64	
			<i>For Anodized Finish, Add</i>	702.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	965.50	
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,457.49	180.46
			<i>For Flange Frame, Add</i>	209.66	
			<i>For Clear Lacquer Finish, Add</i>	419.31	
			<i>For Baked Enamel Standard Colors, Add</i>	628.97	
			<i>For Anodized Finish, Add</i>	838.63	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,153.11	
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,702.90	188.14
			<i>For Flange Frame, Add</i>	232.66	
			<i>For Clear Lacquer Finish, Add</i>	465.32	
			<i>For Baked Enamel Standard Colors, Add</i>	697.99	
			<i>For Anodized Finish, Add</i>	930.65	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,279.64	
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,943.53	199.66
			<i>For Flange Frame, Add</i>	254.42	
			<i>For Clear Lacquer Finish, Add</i>	508.84	
			<i>For Baked Enamel Standard Colors, Add</i>	763.26	
			<i>For Anodized Finish, Add</i>	1,017.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,399.32	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0159	EA		72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,215.01	207.34
			Note: Includes bird screen.		
			For Flange Frame, Add	280.03	
			For Clear Lacquer Finish, Add	560.07	
			For Baked Enamel Standard Colors, Add	840.10	
			For Anodized Finish, Add	1,120.13	
			For Kynar® Standard Colors Finish, Add	1,540.18	
08 91 19 00-0160	EA		72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,449.98	218.86
			Note: Includes bird screen.		
			For Flange Frame, Add	301.23	
			For Clear Lacquer Finish, Add	602.45	
			For Baked Enamel Standard Colors, Add	903.68	
			For Anodized Finish, Add	1,204.90	
			For Kynar® Standard Colors Finish, Add	1,656.74	
08 91 19 00-0161	EA		72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,827.23	238.06
			Note: Includes bird screen.		
			For Flange Frame, Add	335.11	
			For Clear Lacquer Finish, Add	670.22	
			For Baked Enamel Standard Colors, Add	1,005.33	
			For Anodized Finish, Add	1,340.44	
			For Kynar® Standard Colors Finish, Add	1,843.11	
08 91 19 00-0162	EA		72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,065.59	249.58
			Note: Includes bird screen.		
			For Flange Frame, Add	356.64	
			For Clear Lacquer Finish, Add	713.29	
			For Baked Enamel Standard Colors, Add	1,069.93	
			For Anodized Finish, Add	1,426.57	
			For Kynar® Standard Colors Finish, Add	1,961.54	
08 91 19 00-0163	EA		72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,300.81	257.26
			Note: Includes bird screen.		
			For Flange Frame, Add	378.63	
			For Clear Lacquer Finish, Add	757.26	
			For Baked Enamel Standard Colors, Add	1,135.89	
			For Anodized Finish, Add	1,514.52	
			For Kynar® Standard Colors Finish, Add	2,082.46	
08 91 19 00-0164	EA		72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,539.42	264.94
			Note: Includes bird screen.		
			For Flange Frame, Add	400.95	
			For Clear Lacquer Finish, Add	801.91	
			For Baked Enamel Standard Colors, Add	1,202.86	
			For Anodized Finish, Add	1,603.82	
			For Kynar® Standard Colors Finish, Add	2,205.25	
08 91 19 00-0165	EA		72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,763.31	272.62
			Note: Includes bird screen.		
			For Flange Frame, Add	421.81	
			For Clear Lacquer Finish, Add	843.61	
			For Baked Enamel Standard Colors, Add	1,265.42	
			For Anodized Finish, Add	1,687.23	
			For Kynar® Standard Colors Finish, Add	2,319.94	
08 91 19 00-0166	EA		72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,116.39	280.30
			Note: Includes bird screen.		
			For Flange Frame, Add	455.58	
			For Clear Lacquer Finish, Add	911.16	
			For Baked Enamel Standard Colors, Add	1,366.74	
			For Anodized Finish, Add	1,822.32	
			For Kynar® Standard Colors Finish, Add	2,505.68	
08 91 19 00-0167	EA		78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,351.82	122.86
			Note: Includes bird screen.		
			For Flange Frame, Add	110.61	
			For Clear Lacquer Finish, Add	221.22	
			For Baked Enamel Standard Colors, Add	331.82	
			For Anodized Finish, Add	442.43	
			For Kynar® Standard Colors Finish, Add	608.34	
08 91 19 00-0168	EA		78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,657.42	145.90
			Note: Includes bird screen.		
			For Flange Frame, Add	136.56	
			For Clear Lacquer Finish, Add	273.12	
			For Baked Enamel Standard Colors, Add	409.68	
			For Anodized Finish, Add	546.24	
			For Kynar® Standard Colors Finish, Add	751.08	
08 91 19 00-0169	EA		78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,922.23	168.94
			Note: Includes bird screen.		
			For Flange Frame, Add	158.43	
			For Clear Lacquer Finish, Add	316.87	
			For Baked Enamel Standard Colors, Add	475.30	
			For Anodized Finish, Add	633.73	
			For Kynar® Standard Colors Finish, Add	871.38	
08 91 19 00-0170	EA		78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,213.83	180.46
			Note: Includes bird screen.		
			For Flange Frame, Add	185.29	
			For Clear Lacquer Finish, Add	370.58	
			For Baked Enamel Standard Colors, Add	555.87	
			For Anodized Finish, Add	741.16	
			For Kynar® Standard Colors Finish, Add	1,019.10	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,590.71 221.44 442.89 664.33 885.77 1,217.94	188.14
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,846.32 245.47 490.94 736.40 981.87 1,350.07	195.82
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,103.95 268.93 537.85 806.78 1,075.71 1,479.10	207.34
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,391.30 296.13 592.25 888.38 1,184.50 1,628.69	215.02
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,643.26 319.02 638.04 957.05 1,276.07 1,754.60	226.54
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,044.31 355.28 710.57 1,065.85 1,421.13 1,954.06	245.74
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,294.01 377.95 755.90 1,133.85 1,511.80 2,078.72	257.26
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,555.04 401.75 803.50 1,205.24 1,606.99 2,209.61	268.78
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,793.65 424.07 848.15 1,272.22 1,696.29 2,332.40	276.46
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,032.27 446.40 892.80 1,339.20 1,785.60 2,455.19	284.14
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,407.99 482.44 964.87 1,447.31 1,929.75 2,653.40	291.82
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,418.18 115.71 231.42 347.12 462.83 636.39	130.54



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,736.25 142.91 285.81 428.72 571.63 785.99	153.58
08 91	19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,028.23 167.50 335.00 502.50 670.00 921.24	176.62
08 91	19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,328.92 195.26 390.53 585.79 781.06 1,073.95	188.14
08 91	19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,729.60 233.80 467.59 701.39 935.18 1,285.88	195.82
08 91	19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,999.94 259.29 518.59 777.88 1,037.18 1,426.12	203.50
08 91	19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,263.24 283.32 566.64 849.96 1,133.28 1,558.26	215.02
08 91	19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,573.25 312.79 625.57 938.36 1,251.14 1,720.32	222.70
08 91	19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,837.68 336.92 673.85 1,010.77 1,347.70 1,853.08	234.22
08 91	19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,262.53 375.57 751.14 1,126.71 1,502.28 2,065.63	253.42
08 91	19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,521.29 399.14 798.28 1,197.42 1,596.56 2,195.28	264.94
08 91	19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,804.99 425.21 850.41 1,275.62 1,700.83 2,338.64	276.46
08 91	19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,107.07 453.88 907.76 1,361.64 1,815.52 2,496.33	284.14

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0195 EA 84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,379.66	291.82
Note: Includes bird screen.		
For Flange Frame, Add	479.60	
For Clear Lacquer Finish, Add	959.21	
For Baked Enamel Standard Colors, Add	1,438.81	
For Anodized Finish, Add	1,918.42	
For Kynar® Standard Colors Finish, Add	2,637.82	
08 91 19 00-0196 EA 84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,783.74	299.50
Note: Includes bird screen.		
For Flange Frame, Add	518.48	
For Clear Lacquer Finish, Add	1,036.95	
For Baked Enamel Standard Colors, Add	1,555.43	
For Anodized Finish, Add	2,073.90	
For Kynar® Standard Colors Finish, Add	2,851.62	
08 91 19 00-0197 EA 90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,505.82	142.06
Note: Includes bird screen.		
For Flange Frame, Add	122.17	
For Clear Lacquer Finish, Add	244.34	
For Baked Enamel Standard Colors, Add	366.50	
For Anodized Finish, Add	488.67	
For Kynar® Standard Colors Finish, Add	671.92	
08 91 19 00-0198 EA 90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,828.42	165.10
Note: Includes bird screen.		
For Flange Frame, Add	149.82	
For Clear Lacquer Finish, Add	299.64	
For Baked Enamel Standard Colors, Add	449.46	
For Anodized Finish, Add	599.28	
For Kynar® Standard Colors Finish, Add	824.01	
08 91 19 00-0199 EA 90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,131.73	188.14
Note: Includes bird screen.		
For Flange Frame, Add	175.55	
For Clear Lacquer Finish, Add	351.09	
For Baked Enamel Standard Colors, Add	526.64	
For Anodized Finish, Add	702.18	
For Kynar® Standard Colors Finish, Add	965.50	
08 91 19 00-0200 EA 90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,441.49	199.66
Note: Includes bird screen.		
For Flange Frame, Add	204.22	
For Clear Lacquer Finish, Add	408.43	
For Baked Enamel Standard Colors, Add	612.65	
For Anodized Finish, Add	816.87	
For Kynar® Standard Colors Finish, Add	1,123.19	
08 91 19 00-0201 EA 90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,869.36	207.34
Note: Includes bird screen.		
For Flange Frame, Add	245.47	
For Clear Lacquer Finish, Add	490.94	
For Baked Enamel Standard Colors, Add	736.40	
For Anodized Finish, Add	981.87	
For Kynar® Standard Colors Finish, Add	1,350.07	
08 91 19 00-0202 EA 90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,148.78	215.02
Note: Includes bird screen.		
For Flange Frame, Add	271.87	
For Clear Lacquer Finish, Add	543.75	
For Baked Enamel Standard Colors, Add	815.62	
For Anodized Finish, Add	1,087.50	
For Kynar® Standard Colors Finish, Add	1,495.31	
08 91 19 00-0203 EA 90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,415.73	222.70
Note: Includes bird screen.		
For Flange Frame, Add	297.03	
For Clear Lacquer Finish, Add	594.07	
For Baked Enamel Standard Colors, Add	891.10	
For Anodized Finish, Add	1,188.13	
For Kynar® Standard Colors Finish, Add	1,633.68	
08 91 19 00-0204 EA 90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,742.74	230.38
Note: Includes bird screen.		
For Flange Frame, Add	328.20	
For Clear Lacquer Finish, Add	656.40	
For Baked Enamel Standard Colors, Add	984.59	
For Anodized Finish, Add	1,312.79	
For Kynar® Standard Colors Finish, Add	1,805.09	
08 91 19 00-0205 EA 90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,020.77	241.90
Note: Includes bird screen.		
For Flange Frame, Add	353.70	
For Clear Lacquer Finish, Add	707.39	
For Baked Enamel Standard Colors, Add	1,061.09	
For Anodized Finish, Add	1,414.79	
For Kynar® Standard Colors Finish, Add	1,945.33	
08 91 19 00-0206 EA 90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,469.41	261.10
Note: Includes bird screen.		
For Flange Frame, Add	394.72	
For Clear Lacquer Finish, Add	789.44	
For Baked Enamel Standard Colors, Add	1,184.16	
For Anodized Finish, Add	1,578.88	
For Kynar® Standard Colors Finish, Add	2,170.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,739.51 419.43 838.85 1,258.28 1,677.71 2,306.85	272.62
08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,048.14 447.99 895.97 1,343.96 1,791.94 2,463.92	284.14
08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,368.33 478.47 956.94 1,435.41 1,913.88 2,631.59	291.82
08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,641.82 503.52 1,007.03 1,510.55 2,014.06 2,769.34	303.34
08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,069.70 544.77 1,089.54 1,634.30 2,179.07 2,996.22	311.02
08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,582.12 127.49 254.99 382.48 509.98 701.22	153.58
08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,916.03 156.28 312.56 468.84 625.12 859.53	176.62
08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,234.10 183.48 366.96 550.43 733.91 1,009.13	199.66
08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,560.86 213.85 427.70 641.55 855.40 1,176.18	211.18
08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,002.33 256.46 512.92 769.38 1,025.84 1,410.54	218.86
08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,328.21 287.51 575.03 862.54 1,150.05 1,581.32	226.54
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,612.16 314.37 628.74 943.12 1,257.49 1,729.05	234.22

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0219 EA 96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,923.30	241.90
Note: Includes bird screen.		
For Flange Frame, Add	343.95	
For Clear Lacquer Finish, Add	687.90	
For Baked Enamel Standard Colors, Add	1,031.85	
For Anodized Finish, Add	1,375.80	
For Kynar® Standard Colors Finish, Add	1,891.73	
08 91 19 00-0220 EA 96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,211.79	249.58
Note: Includes bird screen.		
For Flange Frame, Add	371.26	
For Clear Lacquer Finish, Add	742.53	
For Baked Enamel Standard Colors, Add	1,113.79	
For Anodized Finish, Add	1,485.05	
For Kynar® Standard Colors Finish, Add	2,041.95	
08 91 19 00-0221 EA 96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,693.30	268.78
Note: Includes bird screen.		
For Flange Frame, Add	415.57	
For Clear Lacquer Finish, Add	831.15	
For Baked Enamel Standard Colors, Add	1,246.72	
For Anodized Finish, Add	1,662.30	
For Kynar® Standard Colors Finish, Add	2,285.66	
08 91 19 00-0222 EA 96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,753.05	280.30
Note: Includes bird screen.		
For Flange Frame, Add	319.25	
For Clear Lacquer Finish, Add	638.49	
For Baked Enamel Standard Colors, Add	957.74	
For Anodized Finish, Add	1,276.98	
For Kynar® Standard Colors Finish, Add	1,755.85	
08 91 19 00-0223 EA 96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,287.87	291.82
Note: Includes bird screen.		
For Flange Frame, Add	470.43	
For Clear Lacquer Finish, Add	940.85	
For Baked Enamel Standard Colors, Add	1,411.28	
For Anodized Finish, Add	1,881.70	
For Kynar® Standard Colors Finish, Add	2,587.34	
08 91 19 00-0224 EA 96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,619.41	299.50
Note: Includes bird screen.		
For Flange Frame, Add	502.04	
For Clear Lacquer Finish, Add	1,004.09	
For Baked Enamel Standard Colors, Add	1,506.13	
For Anodized Finish, Add	2,008.17	
For Kynar® Standard Colors Finish, Add	2,761.24	
08 91 19 00-0225 EA 96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,906.50	311.02
Note: Includes bird screen.		
For Flange Frame, Add	528.45	
For Clear Lacquer Finish, Add	1,056.90	
For Baked Enamel Standard Colors, Add	1,585.34	
For Anodized Finish, Add	2,113.79	
For Kynar® Standard Colors Finish, Add	2,906.46	
08 91 19 00-0226 EA 96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,368.12	322.54
Note: Includes bird screen.		
For Flange Frame, Add	572.31	
For Clear Lacquer Finish, Add	1,144.61	
For Baked Enamel Standard Colors, Add	1,716.92	
For Anodized Finish, Add	2,289.22	
For Kynar® Standard Colors Finish, Add	3,147.68	
08 91 19 00-0227 Gable Louver Vents (08 91 19)		
Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228 Aluminum Gable Louver Vents (08 91 19 00-0227)		
Note: Includes screen.		
08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228)		
Note: Includes screen.		
08 91 19 00-0230 EA 12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	271.58	12.08
08 91 19 00-0231 EA 12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	297.10	13.87
08 91 19 00-0232 EA 18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	342.77	15.66
08 91 19 00-0233 EA 18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	375.92	16.64
08 91 19 00-0234 EA 24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	429.22	17.63
08 91 19 00-0235 EA 24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	480.08	21.14
08 91 19 00-0236 EA 30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	556.39	26.43
08 91 19 00-0237 EA 30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	619.99	30.84
08 91 19 00-0238 EA 36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	709.00	37.00
08 91 19 00-0239 EA 42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	887.04	49.33
08 91 19 00-0240 Square Aluminum Gable Louver Vents (08 91 19 00-0228)		
Note: Includes screen.		
08 91 19 00-0241 EA 12" x 12" Square Fixed Aluminum Gable Louver Vent.....	248.57	11.12
08 91 19 00-0242 EA 18" x 18" Square Fixed Aluminum Gable Louver Vent.....	307.83	14.10
08 91 19 00-0243 EA 24" x 24" Square Fixed Aluminum Gable Louver Vent.....	385.99	16.63
08 91 19 00-0244 EA 30" x 30" Square Fixed Aluminum Gable Louver Vent.....	492.80	22.02
08 91 19 00-0245 EA 36" x 36" Square Fixed Aluminum Gable Louver Vent.....	632.70	31.72
08 91 19 00-0246 EA 42" x 42" Square Fixed Aluminum Gable Louver Vent.....	797.92	43.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0247	EA		48" x 48" Square Fixed Aluminum Gable Louver Vent	988.79	56.38
08 91 19 00-0248			Round Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0249	EA		12" Diameter Round Fixed Aluminum Gable Louver Vent.....	248.57	11.12
08 91 19 00-0250	EA		18" Diameter Round Fixed Aluminum Gable Louver Vent.....	307.83	14.10
08 91 19 00-0251	EA		24" Diameter Round Fixed Aluminum Gable Louver Vent.....	385.99	16.63
08 91 19 00-0252	EA		30" Diameter Round Fixed Aluminum Gable Louver Vent.....	492.80	22.02
08 91 19 00-0253	EA		36" Diameter Round Fixed Aluminum Gable Louver Vent.....	632.70	31.72
08 91 19 00-0254	EA		42" Diameter Round Fixed Aluminum Gable Louver Vent.....	798.02	43.17
08 91 19 00-0255			Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0256	EA		12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	248.57	11.12
08 91 19 00-0257	EA		12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	271.58	12.08
08 91 19 00-0258	EA		12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	297.10	13.87
08 91 19 00-0259	EA		18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	307.83	14.10
08 91 19 00-0260	EA		18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	342.77	15.66
08 91 19 00-0261	EA		18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	375.92	16.64
08 91 19 00-0262	EA		24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	385.99	16.63
08 91 19 00-0263	EA		24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	429.22	17.63
08 91 19 00-0264	EA		24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	480.08	21.14
08 91 19 00-0265	EA		30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	492.80	22.02
08 91 19 00-0266	EA		30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	556.39	26.43
08 91 19 00-0267	EA		30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	619.99	30.84
08 91 19 00-0268	EA		36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	632.70	31.72
08 91 19 00-0269	EA		36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	709.00	37.00
08 91 19 00-0270	EA		36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	785.31	42.29
08 91 19 00-0271	EA		42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	798.02	43.17
08 91 19 00-0272	EA		42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	887.04	49.33
08 91 19 00-0273	EA		48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	988.79	56.38
08 91 19 00-0274			Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0275	EA		12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	248.57	11.12
08 91 19 00-0276	EA		12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	271.58	12.08
08 91 19 00-0277	EA		12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	297.10	13.87
08 91 19 00-0278	EA		18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	307.83	14.10
08 91 19 00-0279	EA		18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	342.77	15.66
08 91 19 00-0280	EA		18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	375.92	16.64
08 91 19 00-0281	EA		24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	385.99	16.63
08 91 19 00-0282	EA		24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	429.22	17.63
08 91 19 00-0283	EA		24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	480.08	21.14
08 91 19 00-0284	EA		30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	492.80	22.02
08 91 19 00-0285	EA		30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	556.39	26.43
08 91 19 00-0286	EA		30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	619.99	30.84
08 91 19 00-0287	EA		36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	632.70	31.72
08 91 19 00-0288	EA		36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	709.00	37.00
08 91 19 00-0289	EA		36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	785.31	42.29
08 91 19 00-0290	EA		42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	798.02	43.17
08 91 19 00-0291	EA		42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	887.04	49.33
08 91 19 00-0292	EA		48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	988.79	56.38
08 91 19 00-0293			Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0294	EA		36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	518.68	13.87
08 91 19 00-0295	EA		36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	587.43	16.63
08 91 19 00-0296	EA		48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	630.67	17.63
08 91 19 00-0297	EA		48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	721.81	21.14
08 91 19 00-0298	EA		48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	805.04	22.02
08 91 19 00-0299	EA		60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	657.12	26.43
08 91 19 00-0300	EA		60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	771.07	30.84
08 91 19 00-0301	EA		60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	874.43	31.72
08 91 19 00-0302	EA		60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	991.02	37.00
08 91 19 00-0303	EA		72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	785.31	42.29
08 91 19 00-0304	EA		72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	908.82	43.17
08 91 19 00-0305	EA		72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	1,048.19	49.33
08 91 19 00-0306	EA		72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	1,190.23	56.38
08 91 19 00-0307	EA		72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	1,336.33	64.79
08 91 19 00-0308			Vinyl Gable Louver Vents (08 91 19 00-0227)		
			Note: Includes screen.		
08 91 19 00-0309	EA		12" x 12" Square Fixed Vinyl Gable Louver Vent.....	79.91	11.12
08 91 19 00-0310	EA		12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	96.76	12.08
08 91 19 00-0311	EA		18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	132.14	15.66
08 91 19 00-0312	EA		24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	181.53	17.63

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0313	EA		18" Diameter Round Fixed Vinyl Gable Louver Vent.....	128.07	14.10
08 91 19 00-0314	EA		22" Diameter Round Fixed Vinyl Gable Louver Vent.....	147.96	16.63
08 91 19 00-0315	EA		30" Diameter Round Fixed Vinyl Gable Louver Vent.....	208.83	22.02
08 91 19 00-0316	EA		36" Diameter Round Fixed Vinyl Gable Louver Vent.....	305.26	31.72
08 91 19 00-0317	EA		18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	128.07	14.10
08 91 19 00-0318	EA		22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	145.03	15.66
08 91 19 00-0319	EA		27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	187.47	17.63
08 91 19 00-0320	EA		32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	266.03	26.43
08 91 19 00-0321	EA		40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	635.07	42.29
08 91 19 00-0322	EA		14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	125.52	13.87
08 91 19 00-0323	EA		22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	175.16	17.63
08 91 19 00-0324	EA		34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	181.09	21.14
08 91 19 00-0325	EA		52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	418.58	26.43
08 91 19 00-0326	EA		56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	418.58	26.43
08 91 19 00-0327	EA		56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	418.58	26.43
08 91 19 00-0328	EA		62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	418.58	26.43
08 91 19 00-0329	EA		62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	418.58	26.43
08 91 19 00-0330	EA		70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	466.20	42.29
08 91 19 00-0331	EA		70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	466.20	42.29
08 91 19 00-0332	EA		72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	466.20	42.29
08 91 19 00-0333	EA		74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	466.20	42.29

08 95 Vents (08 90)**08 95 13 Soffit Vents** (08 95)**08 95 13 00-0001 Aluminum Soffit Vents** (08 95 13)

08 95 13 00-0002	LF		2-1/2" Wide Aluminum Soffit Vent.....	9.58	3.53
08 95 13 00-0003	LF		3" Wide Aluminum Soffit Vent.....	17.37	6.92
08 95 13 00-0004	EA		4" x 16" Under Eave Vent, Mill Finish.....	27.94	9.22
08 95 13 00-0005	EA		8" x 16" Under Eave Vent, Mill Finish.....	28.89	9.22

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95 13 00-0007	LF		Up To 2" Vinyl Soffit Vent, Perforated, White.....	7.02	2.93
			<i>For Colors, Add</i>	0.12	
08 95 13 00-0008	LF		3" To 4" Vinyl Soffit Vent, Perforated, White.....	7.50	2.93
			<i>For Colors, Add</i>	0.17	

08 95 16 Wall Vents (08 95)**08 95 16 00-0001 Foundation Vents** (08 95 16)

08 95 16 00-0002	SI		Galvanized Steel Foundation Vent.....	0.54	0.22
08 95 16 00-0003	SI		Aluminum Foundation Vent.....	1.01	0.22
08 95 16 00-0004	SI		Stainless Steel Foundation Vent.....	1.08	0.22
08 95 16 00-0005	SI		Plastic Foundation Vent.....	0.70	0.22

END OF SECTION 08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

09 Finishes

09 01 Maintenance of Finishes (09)

09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small> Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	21.75
09 01 20 91-0003	SF >2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.56
09 01 20 91-0004	SF >4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	15.75
09 01 20 91-0005	SF >8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	13.88
09 01 20 91-0006	SF >16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	12.42

09 01 20 91-0007	Patch/Finish Gypsum Board To Match Existing <small>(09 01 20 91)</small> Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.	
09 01 20 91-0008	EA Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i>	2.21 -1.07 -0.53 -0.21 1.64

09 01 20 91-0009	Plaster/Stucco Repair <small>(09 01 20 91)</small> Note: Per location.	
09 01 20 91-0010	Clean And Repair Crack In Plaster/Stucco <small>(09 01 20 91-0009)</small> Note: Includes plaster weld.	
09 01 20 91-0011	LF Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	21.25
09 01 20 91-0012	LF >10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	17.06
09 01 20 91-0013	LF >50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	13.91
09 01 20 91-0014	LF >100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	10.76
09 01 20 91-0015	LF >250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	8.66
09 01 20 91-0016	LF >500', Chip, Clean And Repair Crack In Plaster/Stucco	6.56

09 01 20 91-0017	Cut And Patch Hole In Plaster/Stucco To Match Existing <small>(09 01 20 91-0009)</small> Note: Includes plaster weld.	
09 01 20 91-0018	SF Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	20.30
09 01 20 91-0019	SF >10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	17.97
09 01 20 91-0020	SF >50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	16.55
09 01 20 91-0021	SF >100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	15.38
09 01 20 91-0022	SF >250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	14.36
09 01 20 91-0023	SF >500 SF, Cut And Patch Hole In Plaster To Match Existing	13.22

09 01 20 91-0024	Chip, Clean And Repair Plaster/Stucco <small>(09 01 20 91-0009)</small> Note: Includes plaster weld.	
09 01 20 91-0025	SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	38.28
09 01 20 91-0026	SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	27.79
09 01 20 91-0027	SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	20.45
09 01 20 91-0028	SF >250 SF, Chip, Clean And Repair Plaster/Stucco	16.25

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF Regrout Floor Tile Including Removal Of Loose Grout	8.22
09 01 30 91-0002	SF Regrout Wall Tile Including Removal Of Loose Grout	10.26
09 01 30 91-0003	SF Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	52.19

09 01 60 Maintenance of Flooring (09 01)

09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001	Grinding, Polishing And Sealing Terrazzo <small>(09 01 60 91)</small>	
09 01 60 91-0002	CSF Grinding, Polishing And Sealing Existing Terrazzo	348.06

09 Finishes
09 01 Maintenance of Finishes
09 01 60 Maintenance of Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0003 SF Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.16	
09 01 60 91-0004 SF Repair Existing Terrazzo.....	26.70	
09 01 60 91-0005 LF Repair Cracks In Existing Terrazzo	5.56	
09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)		
09 01 60 91-0007 CSF Steam Clean Carpet	43.81	
09 01 60 91-0008 CSF Wax And Polish Tile And VCT Flooring	48.71	
For Additional Coat, Add	40.93	
For Stripping Existing Wax From Floor, Add	46.71	
09 01 60 91-0009 CSF Wax And Polish Wood Flooring	30.46	
For Additional Coat, Add	27.00	
For Stripping Existing Wax From Floor, Add	46.71	
09 01 60 91-0010 MSF Vacuum Floors.....	24.10	
09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)		
09 01 60 91-0012 SY Grinding Of Existing Concrete Floor Prior To Installation Of Flooring.....	9.24	
Note: Up to 1/8" of material per pass		
09 01 60 91-0013 LF Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring.....	18.00	
Note: Up to 1/4" of material per pass		
09 01 60 91-0014 SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring.....	8.13	
09 01 60 91-0015 Floor Sealants (09 01 60 91)		
09 01 60 91-0016 SF Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat	1.45	
Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0017 SF Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat	1.63	
Note: For interior/exterior concrete surfaces.		
09 01 60 91-0018 SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.59	
09 01 60 91-0019 GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	48.51	
09 01 80 Maintenance of Acoustic Treatment (09 01)		
09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment (09 01 80)		
09 01 80 00-0002 SF Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.65	
09 01 90 Maintenance of Painting and Coating (09 01)		
09 01 90 52 Maintenance Repainting (09 01 90)		
09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)		
Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.		
09 01 90 52-0002 Concrete And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0003 SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation	0.54	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 01 90 52-0004 SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.56	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 01 90 52-0005 SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.87	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.13	
For >30,000, Deduct	-0.17	
09 01 90 52-0006 SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.72	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007 SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.80	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.15	
09 01 90 52-0008 SF 2,000 To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.52	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.10	
09 01 90 52-0009 SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.44	
For Up To 100, Add	2.58	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 15,000, Deduct	-0.14	
For >15,000 To 30,000, Deduct	-0.21	
For >30,000, Deduct	-0.28	
09 01 90 52-0010 SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	2.36	
For Up To 100, Add	4.42	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.56	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 15,000, Deduct	-0.23	
For >15,000 To 30,000, Deduct	-0.35	
For >30,000, Deduct	-0.46	
09 01 90 52-0011 SF Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation.....	3.68	
Note: 3 lbs of sand or glass abrasive media material per SF		
For 4.5 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	2.14	
For 6 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	4.42	
For 9 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	7.36	
For Up To 100, Add	6.27	
For >100 To 250, Add	1.66	
For >250 To 500, Add	0.81	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 15,000, Deduct	-0.34	
For >15,000 To 30,000, Deduct	-0.53	
For >30,000, Deduct	-0.70	
09 01 90 52-0012 Drywall Surfaces, Surface Preparation (09 01 90 52-0001)		
See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 01 90 52-0013 SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.42	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.11	
09 01 90 52-0014 SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation.....	0.71	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.18	
09 01 90 52-0015 SF Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation.....	1.32	
For Up To 100, Add	2.52	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.32	
09 01 90 52-0016 Metal Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0017 SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.52	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	
09 01 90 52-0018 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.87	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.13	
For >30,000, Deduct	-0.17	

09 Finishes
09 01 Maintenance of Finishes
09 01 90 Maintenance of Painting and Coating



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0019	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.72	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.07	
			<i>For >15,000 To 30,000, Deduct</i>	-0.11	
			<i>For >30,000, Deduct</i>	-0.14	
09 01 90 52-0020	SF		2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.50	
			<i>For Up To 100, Add</i>	0.29	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.07	
			<i>For >30,000, Deduct</i>	-0.09	
09 01 90 52-0021	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.35	
			<i>For Up To 100, Add</i>	1.01	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 15,000, Deduct</i>	-0.14	
			<i>For >15,000 To 30,000, Deduct</i>	-0.20	
			<i>For >30,000, Deduct</i>	-0.27	
09 01 90 52-0022	SF		Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.51	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.07	
			<i>For >30,000, Deduct</i>	-0.09	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.10	
			<i>For Up To 100, Add</i>	0.68	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 15,000, Deduct</i>	-0.10	
			<i>For >15,000 To 30,000, Deduct</i>	-0.16	
			<i>For >30,000, Deduct</i>	-0.21	
09 01 90 52-0024	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.50	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 15,000, Deduct</i>	-0.14	
			<i>For >15,000 To 30,000, Deduct</i>	-0.22	
			<i>For >30,000, Deduct</i>	-0.28	
09 01 90 52-0025	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.20	
			<i>For Up To 100, Add</i>	1.34	
			<i>For >100 To 250, Add</i>	0.63	
			<i>For >250 To 500, Add</i>	0.27	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 15,000, Deduct</i>	-0.20	
			<i>For >15,000 To 30,000, Deduct</i>	-0.32	
			<i>For >30,000, Deduct</i>	-0.42	
09 01 90 52-0026	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation.....	3.67	
			<i>For Up To 100, Add</i>	2.24	
			<i>For >100 To 250, Add</i>	1.04	
			<i>For >250 To 500, Add</i>	0.45	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 15,000, Deduct</i>	-0.34	
			<i>For >15,000 To 30,000, Deduct</i>	-0.53	
			<i>For >30,000, Deduct</i>	-0.70	
09 01 90 52-0027	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	2.80	
			<i>For Up To 100, Add</i>	1.68	
			<i>For >100 To 250, Add</i>	0.78	
			<i>For >250 To 500, Add</i>	0.34	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 15,000, Deduct</i>	-0.26	
			<i>For >15,000 To 30,000, Deduct</i>	-0.40	
			<i>For >30,000, Deduct</i>	-0.53	
09 01 90 52-0028	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.47	
			<i>For Up To 100, Add</i>	2.06	
			<i>For >100 To 250, Add</i>	0.96	
			<i>For >250 To 500, Add</i>	0.41	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 15,000, Deduct</i>	-0.32	
			<i>For >15,000 To 30,000, Deduct</i>	-0.50	
			<i>For >30,000, Deduct</i>	-0.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0029 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.49	
<i>For Up To 100, Add</i>	2.68	
<i>For >100 To 250, Add</i>	1.25	
<i>For >250 To 500, Add</i>	0.54	
<i>For >5,000 To 10,000, Deduct</i>	-0.21	
<i>For >10,000 To 15,000, Deduct</i>	-0.41	
<i>For >15,000 To 30,000, Deduct</i>	-0.65	
<i>For >30,000, Deduct</i>	-0.85	
09 01 90 52-0030 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	5.62	
<i>For Up To 100, Add</i>	3.35	
<i>For >100 To 250, Add</i>	1.56	
<i>For >250 To 500, Add</i>	0.67	
<i>For >5,000 To 10,000, Deduct</i>	-0.26	
<i>For >10,000 To 15,000, Deduct</i>	-0.52	
<i>For >15,000 To 30,000, Deduct</i>	-0.81	
<i>For >30,000, Deduct</i>	-1.07	
09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0032 SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.48	
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
<i>For >5,000 To 10,000, Deduct</i>	-0.02	
<i>For >10,000 To 15,000, Deduct</i>	-0.05	
<i>For >15,000 To 30,000, Deduct</i>	-0.07	
<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0033 CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	46.97	
<i>For Up To 100, Add</i>	34.96	
<i>For >100 To 250, Add</i>	16.31	
<i>For >250 To 500, Add</i>	6.99	
<i>For >5,000 To 10,000, Deduct</i>	-2.34	
<i>For >10,000 To 15,000, Deduct</i>	-4.68	
<i>For >15,000 To 30,000, Deduct</i>	-7.03	
<i>For >30,000, Deduct</i>	-9.38	
09 01 90 52-0034 SF 2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.36	
<i>For Up To 100, Add</i>	0.22	
<i>For >100 To 250, Add</i>	0.10	
<i>For >250 To 500, Add</i>	0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.02	
<i>For >10,000 To 15,000, Deduct</i>	-0.03	
<i>For >15,000 To 30,000, Deduct</i>	-0.05	
<i>For >30,000, Deduct</i>	-0.07	
09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0036 SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.68	
<i>For Up To 100, Add</i>	1.19	
<i>For >100 To 250, Add</i>	0.56	
<i>For >250 To 500, Add</i>	0.24	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000 To 15,000, Deduct</i>	-0.16	
<i>For >15,000 To 30,000, Deduct</i>	-0.25	
<i>For >30,000, Deduct</i>	-0.33	
09 01 90 52-0037 SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.50	
<i>For Up To 100, Add</i>	0.36	
<i>For >100 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.07	
<i>For >5,000 To 10,000, Deduct</i>	-0.02	
<i>For >10,000 To 15,000, Deduct</i>	-0.05	
<i>For >15,000 To 30,000, Deduct</i>	-0.07	
<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0038 SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.72	
<i>For Up To 100, Add</i>	0.41	
<i>For >100 To 250, Add</i>	0.19	
<i>For >250 To 500, Add</i>	0.08	
<i>For >5,000 To 10,000, Deduct</i>	-0.03	
<i>For >10,000 To 15,000, Deduct</i>	-0.07	
<i>For >15,000 To 30,000, Deduct</i>	-0.10	
<i>For >30,000, Deduct</i>	-0.14	
09 01 90 52-0039 SF Hand Scrape Wood Surfaces, Surface Preparation	0.81	
<i>For Up To 100, Add</i>	0.61	
<i>For >100 To 250, Add</i>	0.28	
<i>For >250 To 500, Add</i>	0.12	
<i>For >5,000 To 10,000, Deduct</i>	-0.04	
<i>For >10,000 To 15,000, Deduct</i>	-0.08	
<i>For >15,000 To 30,000, Deduct</i>	-0.12	
<i>For >30,000, Deduct</i>	-0.16	
09 01 90 52-0040 SF Steam Clean Wood Surfaces, Surface Preparation	0.78	
<i>For Up To 100, Add</i>	0.47	
<i>For >100 To 250, Add</i>	0.22	
<i>For >250 To 500, Add</i>	0.09	
<i>For >5,000 To 10,000, Deduct</i>	-0.04	
<i>For >10,000 To 15,000, Deduct</i>	-0.07	
<i>For >15,000 To 30,000, Deduct</i>	-0.11	
<i>For >30,000, Deduct</i>	-0.15	

09 Finishes
09 01 Maintenance of Finishes
09 01 90 Maintenance of Painting and Coating



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0041	SF		2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.54	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.08	
			<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0042	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.98	
			<i>For Up To 100, Add</i>	0.68	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 15,000, Deduct</i>	-0.09	
			<i>For >15,000 To 30,000, Deduct</i>	-0.14	
			<i>For >30,000, Deduct</i>	-0.19	
09 01 90 52-0043	SF		Sanding Wood Trim Surfaces, Surface Preparation	1.32	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 250, Add</i>	0.43	
			<i>For >250 To 500, Add</i>	0.19	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 15,000, Deduct</i>	-0.13	
			<i>For >15,000 To 30,000, Deduct</i>	-0.20	
			<i>For >30,000, Deduct</i>	-0.26	
09 01 90 52-0044	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.87	
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.08	
			<i>For >15,000 To 30,000, Deduct</i>	-0.13	
			<i>For >30,000, Deduct</i>	-0.17	
09 01 90 52-0045	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	1.00	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 15,000, Deduct</i>	-0.09	
			<i>For >15,000 To 30,000, Deduct</i>	-0.15	
			<i>For >30,000, Deduct</i>	-0.19	
09 01 90 52-0046			Vinyl Siding Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>	0.48	
09 01 90 52-0047	SF		Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.48	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.07	
			<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0048	SF		Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.75	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.07	
			<i>For >15,000 To 30,000, Deduct</i>	-0.11	
			<i>For >30,000, Deduct</i>	-0.15	
09 01 90 52-0049	SF		2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.45	
			<i>For Up To 100, Add</i>	0.25	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.04	
			<i>For >15,000 To 30,000, Deduct</i>	-0.06	
			<i>For >30,000, Deduct</i>	-0.08	
09 01 90 52-0050	SF		Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.83	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.08	
			<i>For >15,000 To 30,000, Deduct</i>	-0.12	
			<i>For >30,000, Deduct</i>	-0.16	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)
 Note: Based on total project quantity.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0052 SF Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation .....0.54 <i>For Up To 100, Add 0.39</i> <i>For >100 To 250, Add 0.18</i> <i>For >250 To 500, Add 0.08</i> <i>For >5,000 To 10,000, Deduct -0.03</i> <i>For >10,000 To 15,000, Deduct -0.05</i> <i>For >15,000 To 30,000, Deduct -0.08</i> <i>For >30,000, Deduct -0.11</i>		
09 01 90 52-0053 SF 2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....0.58 <i>For Up To 100, Add 0.34</i> <i>For >100 To 250, Add 0.16</i> <i>For >250 To 500, Add 0.07</i> <i>For >5,000 To 10,000, Deduct -0.03</i> <i>For >10,000 To 15,000, Deduct -0.05</i> <i>For >15,000 To 30,000, Deduct -0.08</i> <i>For >30,000, Deduct -0.11</i>		
09 01 90 52-0054 Prep Work (09 01 90 52-0001)		
09 01 90 52-0055 SF Citrus Strip, Single Applications.....1.29 Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
09 01 90 52-0056 Corrosive Inhibitor Sealant For Concrete (09 01 90 52-0001)		
09 01 90 52-0057 SF Corrosive Inhibitor Sealant For Concrete.....0.86 <i>For Up To 100, Add 0.43</i> <i>For >100 To 250, Add 0.21</i> <i>For >250 To 500, Add 0.09</i>		
09 01 90 61 Repainting (09 01 90)		
09 01 90 61-0001 Touchup and "Spot" Painting Of Surfaces (09 01 90 61) Note: For use on individual areas less than 10 SF.		
09 01 90 61-0002 SF "Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat .....1.63		
09 01 90 91 Paint Restoration (09 01 90)		
09 01 90 91-0001 Paint Removal, Strip To Bare Wood (09 01 90 91)		
09 01 90 91-0002 SF Flat Surfaces, Paint Removal, Strip To Bare Wood .....8.56		
09 01 90 91-0003 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood .....9.12		
09 05 Common Work Results for Finishes (09)		
09 05 61 Common Work Results for Flooring Preparation (09 05)		
09 05 61 13 Moisture Vapor Emission Control (09 05 61)		
09 05 61 13-0001 Moisture Vapor Reduction System (Koester VAP) (09 05 61 13)		
09 05 61 13-0002 EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000) .....3,053.71 Note: Clear		
09 05 61 13-0003 SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001) .....16.16 Note: Clear		
09 05 61 13-0004 SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) .....10.78 Note: Clear		
09 05 61 13-0005 SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) .....8.98 Note: Clear		
09 05 61 13-0006 SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) .....7.18 Note: Clear		
09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) (09 05 61 13)		
09 05 61 13-0008 SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....4.99		
09 05 61 13-0009 SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....6.80		
09 05 71 Acoustic Underlayment (09 05)		
09 05 71 00-0001 Tile And Stone Acoustical Underlayment (09 05 71)		
09 05 71 00-0002 SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat) .....4.55 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add 0.54</i>		
09 05 71 00-0003 Resilient Floor Acoustical Underlayment (09 05 71)		
09 05 71 00-0004 SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300) .....3.19		
09 05 71 00-0005 SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler) .....1.69		
09 05 71 00-0006 SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT) .....1.62		

09	09 Finishes
	09 20 Plaster and Gypsum Board
	09 05 71 Acoustic Underlayment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

09 20 Plaster and Gypsum Board (09)

09 22 Supports for Plaster and Gypsum Board (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring (09 22)

09 22 13 13 Metal Channel Furring (09 22 13)

09 22 13 13-0001 Hat Furring Channel (09 22 13 13)

Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0003	SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	4.61	1.94
	<i>For Walls >10' High, Add</i>	0.58	
	<i>For 24" On Center, Deduct</i>	-0.54	
	<i>For 12" On Center, Add</i>	0.73	
	<i>For 22 Gauge, Add</i>	0.66	
	<i>For 20 Gauge, Add</i>	1.07	
09 22 13 13-0004	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	4.90	1.94
	<i>For Walls >10' High, Add</i>	0.58	
	<i>For 24" On Center, Deduct</i>	-0.59	
	<i>For 12" On Center, Add</i>	0.79	
	<i>For 22 Gauge, Add</i>	0.81	
	<i>For 20 Gauge, Add</i>	1.26	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0006	SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	6.70	2.97
	<i>For Columns And Beams >10' High, Add</i>	1.19	
	<i>For 24" On Center, Deduct</i>	-0.74	
	<i>For 12" On Center, Add</i>	1.04	
	<i>For 22 Gauge, Add</i>	0.82	
	<i>For 20 Gauge, Add</i>	1.38	
09 22 13 13-0007	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	6.99	2.97
	<i>For Columns And Beams >10' High, Add</i>	1.19	
	<i>For 24" On Center, Deduct</i>	-0.80	
	<i>For 12" On Center, Add</i>	1.10	
	<i>For 22 Gauge, Add</i>	0.96	
	<i>For 20 Gauge, Add</i>	1.57	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0009	SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	5.98	2.38
	<i>For Ceilings >10' High, Add</i>	0.71	
	<i>For 24" On Center, Deduct</i>	-0.72	
	<i>For 12" On Center, Add</i>	0.96	
	<i>For 22 Gauge, Add</i>	0.97	
	<i>For 20 Gauge, Add</i>	1.52	
09 22 13 13-0010	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	6.27	2.38
	<i>For Ceilings >10' High, Add</i>	0.71	
	<i>For 24" On Center, Deduct</i>	-0.78	
	<i>For 12" On Center, Add</i>	1.02	
	<i>For 22 Gauge, Add</i>	1.11	
	<i>For 20 Gauge, Add</i>	1.71	

09 22 13 13-0011 Z Furring Channel (09 22 13 13)

09 22 13 13-0012 Installed On Walls, Z Furring Channel (09 22 13 13-0011)

09 22 13 13-0013	SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.18	1.94
	<i>For Walls >10' High, Add</i>	0.58	
	<i>For 24" On Center, Deduct</i>	-0.45	
	<i>For 12" On Center, Add</i>	0.64	
	<i>For 22 Gauge, Add</i>	0.45	
	<i>For 20 Gauge, Add</i>	0.79	
09 22 13 13-0014	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.24	1.94
	<i>For Walls >10' High, Add</i>	0.58	
	<i>For 24" On Center, Deduct</i>	-0.46	
	<i>For 12" On Center, Add</i>	0.65	
	<i>For 22 Gauge, Add</i>	0.48	
	<i>For 20 Gauge, Add</i>	0.82	
09 22 13 13-0015	SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.30	1.94
	<i>For Walls >10' High, Add</i>	0.58	
	<i>For 24" On Center, Deduct</i>	-0.47	
	<i>For 12" On Center, Add</i>	0.67	
	<i>For 22 Gauge, Add</i>	0.51	
	<i>For 20 Gauge, Add</i>	0.86	
09 22 13 13-0016	SF 2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.35	1.94
	<i>For Walls >10' High, Add</i>	0.58	
	<i>For 24" On Center, Deduct</i>	-0.48	
	<i>For 12" On Center, Add</i>	0.68	
	<i>For 22 Gauge, Add</i>	0.53	
	<i>For 20 Gauge, Add</i>	0.90	



Finishes	09	9
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0017 SF 3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.38	1.94
For Walls >10' High, Add	0.58	
For 24" On Center, Deduct	-0.49	
For 12" On Center, Add	0.68	
For 22 Gauge, Add	0.55	
For 20 Gauge, Add	0.92	
09 22 13 23 Resilient Channel Furring (09 22 13)		
09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23)		
Note: Includes clips where required.		
09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
09 22 13 23-0003 SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.54	1.94
For Walls >10' High, Add	0.58	
For 24" On Center, Deduct	-0.52	
For 12" On Center, Add	0.71	
For 20 Gauge, Add	1.02	
09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
09 22 13 23-0005 SF 25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	5.43	2.38
For Ceilings >10' High, Add	0.71	
For 24" On Center, Deduct	-0.61	
For 12" On Center, Add	0.85	
For 20 Gauge, Add	1.16	
09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23)		
Note: Includes clips where required.		
09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
09 22 13 23-0008 SF 25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	4.79	1.94
For Walls >10' High, Add	0.58	
For 24" On Center, Deduct	-0.57	
For 12" On Center, Add	0.76	
For 20 Gauge, Add	1.19	
09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
09 22 13 23-0010 SF 25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	5.68	2.38
For Ceilings >10' High, Add	0.71	
For 24" On Center, Deduct	-0.66	
For 12" On Center, Add	0.90	
For 20 Gauge, Add	1.32	
09 22 16 Non-Structural Metal Framing (09 22)		
Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)		
09 22 16 13-0001 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0002 SF 1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.85	0.81
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	0.57	
For Soffit, Columns Or Beams Up To 10' High, Add	1.89	
For Soffit, Columns Or Beams >10' High, Add	2.50	
For Horizontal Installation Up To 10' High, Add	0.59	
For Horizontal Installation >10' High, Add	0.79	
For Curved Wall, Add	0.60	
For 12" On Center, Add	0.47	
For 24" On Center, Deduct	-0.47	
For Up To 100, Add	0.97	
For >100 To 300, Add	0.49	
For >1,000, Deduct	-0.23	
09 22 16 13-0003 SF 2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.04	0.84
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	0.61	
For Soffit, Columns Or Beams Up To 10' High, Add	1.99	
For Soffit, Columns Or Beams >10' High, Add	2.63	
For Horizontal Installation Up To 10' High, Add	0.62	
For Horizontal Installation >10' High, Add	0.83	
For Curved Wall, Add	0.63	
For 12" On Center, Add	0.50	
For 24" On Center, Deduct	-0.50	
For Up To 100, Add	1.03	
For >100 To 300, Add	0.52	
For >1,000, Deduct	-0.25	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0004	SF		3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.29	0.88
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	0.66	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.11	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.77	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.66	
			<i>For Horizontal Installation >10' High, Add</i>	0.88	
			<i>For Curved Wall, Add</i>	0.67	
			<i>For 12" On Center, Add</i>	0.55	
			<i>For 24" On Center, Deduct</i>	-0.55	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 300, Add</i>	0.55	
			<i>For >1,000, Deduct</i>	-0.27	
09 22 16 13-0005	SF		4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.49	0.92
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	0.70	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.21	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.90	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.70	
			<i>For Horizontal Installation >10' High, Add</i>	0.93	
			<i>For Curved Wall, Add</i>	0.70	
			<i>For 12" On Center, Add</i>	0.58	
			<i>For 24" On Center, Deduct</i>	-0.58	
			<i>For Up To 100, Add</i>	1.16	
			<i>For >100 To 300, Add</i>	0.58	
			<i>For >1,000, Deduct</i>	-0.29	
09 22 16 13-0006	SF		6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.87	0.97
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	0.77	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.34	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.07	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.75	
			<i>For Horizontal Installation >10' High, Add</i>	1.00	
			<i>For Curved Wall, Add</i>	0.73	
			<i>For 12" On Center, Add</i>	0.65	
			<i>For 24" On Center, Deduct</i>	-0.65	
			<i>For Up To 100, Add</i>	1.26	
			<i>For >100 To 300, Add</i>	0.63	
			<i>For >1,000, Deduct</i>	-0.34	
09 22 16 13-0007			20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0008	SF		1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.17	0.82
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	0.63	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.97	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.58	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.63	
			<i>For Horizontal Installation >10' High, Add</i>	0.83	
			<i>For Curved Wall, Add</i>	0.62	
			<i>For 12" On Center, Add</i>	0.53	
			<i>For 24" On Center, Deduct</i>	-0.53	
			<i>For Up To 100, Add</i>	1.05	
			<i>For >100 To 300, Add</i>	0.52	
			<i>For >1,000, Deduct</i>	-0.27	
09 22 16 13-0009	SF		2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.46	0.87
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	0.69	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.08	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.73	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.67	
			<i>For Horizontal Installation >10' High, Add</i>	0.89	
			<i>For Curved Wall, Add</i>	0.65	
			<i>For 12" On Center, Add</i>	0.58	
			<i>For 24" On Center, Deduct</i>	-0.58	
			<i>For Up To 100, Add</i>	1.13	
			<i>For >100 To 300, Add</i>	0.56	
			<i>For >1,000, Deduct</i>	-0.30	



Finishes	09	09
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.79	0.90
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	0.76	
For Soffit, Columns Or Beams Up To 10' High, Add	2.20	
For Soffit, Columns Or Beams >10' High, Add	2.88	
For Horizontal Installation Up To 10' High, Add	0.72	
For Horizontal Installation >10' High, Add	0.95	
For Curved Wall, Add	0.68	
For 12" On Center, Add	0.64	
For 24" On Center, Deduct	-0.64	
For Up To 100, Add	1.21	
For >100 To 300, Add	0.61	
For >1,000, Deduct	-0.34	
09 22 16 13-0011 SF 4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	4.03	0.95
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	0.81	
For Soffit, Columns Or Beams Up To 10' High, Add	2.31	
For Soffit, Columns Or Beams >10' High, Add	3.02	
For Horizontal Installation Up To 10' High, Add	0.76	
For Horizontal Installation >10' High, Add	1.00	
For Curved Wall, Add	0.71	
For 12" On Center, Add	0.69	
For 24" On Center, Deduct	-0.69	
For Up To 100, Add	1.28	
For >100 To 300, Add	0.64	
For >1,000, Deduct	-0.37	
09 22 16 13-0012 SF 6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.43	1.00
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	1.09	
For Soffit, Columns Or Beams Up To 10' High, Add	2.54	
For Soffit, Columns Or Beams >10' High, Add	3.29	
For Horizontal Installation Up To 10' High, Add	0.92	
For Horizontal Installation >10' High, Add	1.17	
For Curved Wall, Add	0.75	
For 12" On Center, Add	0.96	
For 24" On Center, Deduct	-0.96	
For Up To 100, Add	1.59	
For >100 To 300, Add	0.79	
For >1,000, Deduct	-0.56	
09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0014 SF 2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.61	0.88
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	0.92	
For Soffit, Columns Or Beams Up To 10' High, Add	2.24	
For Soffit, Columns Or Beams >10' High, Add	2.90	
For Horizontal Installation Up To 10' High, Add	0.79	
For Horizontal Installation >10' High, Add	1.02	
For Curved Wall, Add	0.67	
For 12" On Center, Add	0.81	
For 24" On Center, Deduct	-0.81	
For Up To 100, Add	1.37	
For >100 To 300, Add	0.68	
For >1,000, Deduct	-0.47	
09 22 16 13-0015 SF 3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.07	0.92
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	1.01	
For Soffit, Columns Or Beams Up To 10' High, Add	2.37	
For Soffit, Columns Or Beams >10' High, Add	3.07	
For Horizontal Installation Up To 10' High, Add	0.86	
For Horizontal Installation >10' High, Add	1.09	
For Curved Wall, Add	0.70	
For 12" On Center, Add	0.90	
For 24" On Center, Deduct	-0.90	
For Up To 100, Add	1.48	
For >100 To 300, Add	0.74	
For >1,000, Deduct	-0.53	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.42	0.97
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	1.08	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.49	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.23	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.91	
			<i>For Horizontal Installation >10' High, Add</i>	1.15	
			<i>For Curved Wall, Add</i>	0.73	
			<i>For 12" On Center, Add</i>	0.96	
			<i>For 24" On Center, Deduct</i>	-0.96	
			<i>For Up To 100, Add</i>	1.57	
			<i>For >100 To 300, Add</i>	0.79	
			<i>For >1,000, Deduct</i>	-0.57	
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.95	1.02
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	1.39	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.75	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.52	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.08	
			<i>For Horizontal Installation >10' High, Add</i>	1.34	
			<i>For Curved Wall, Add</i>	0.77	
			<i>For 12" On Center, Add</i>	1.26	
			<i>For 24" On Center, Deduct</i>	-1.26	
			<i>For Up To 100, Add</i>	1.90	
			<i>For >100 To 300, Add</i>	0.95	
			<i>For >1,000, Deduct</i>	-0.79	
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.54	1.09
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	1.51	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.91	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.71	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.16	
			<i>For Horizontal Installation >10' High, Add</i>	1.43	
			<i>For Curved Wall, Add</i>	0.81	
			<i>For 12" On Center, Add</i>	1.37	
			<i>For 24" On Center, Deduct</i>	-1.37	
			<i>For Up To 100, Add</i>	2.05	
			<i>For >100 To 300, Add</i>	1.02	
			<i>For >1,000, Deduct</i>	-0.86	
09 22 16 13-0019			16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.87	0.90
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	0.97	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.30	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.98	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.83	
			<i>For Horizontal Installation >10' High, Add</i>	1.05	
			<i>For Curved Wall, Add</i>	0.68	
			<i>For 12" On Center, Add</i>	0.86	
			<i>For 24" On Center, Deduct</i>	-0.86	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 300, Add</i>	0.71	
			<i>For >1,000, Deduct</i>	-0.50	
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.67	0.95
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
			<i>For Walls >10' High, Add</i>	1.13	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.47	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.19	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.92	
			<i>For Horizontal Installation >10' High, Add</i>	1.16	
			<i>For Curved Wall, Add</i>	0.71	
			<i>For 12" On Center, Add</i>	1.02	
			<i>For 24" On Center, Deduct</i>	-1.02	
			<i>For Up To 100, Add</i>	1.61	
			<i>For >100 To 300, Add</i>	0.81	
			<i>For >1,000, Deduct</i>	-0.61	



Finishes	09	9
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0022 SF 4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.99	1.00
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	1.20	
For Soffit, Columns Or Beams Up To 10' High, Add	2.60	
For Soffit, Columns Or Beams >10' High, Add	3.35	
For Horizontal Installation Up To 10' High, Add	0.97	
For Horizontal Installation >10' High, Add	1.22	
For Curved Wall, Add	0.75	
For 12" On Center, Add	1.07	
For 24" On Center, Deduct	-1.07	
For Up To 100, Add	1.70	
For >100 To 300, Add	0.85	
For >1,000, Deduct	-0.65	
09 22 16 13-0023 SF 6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.46	1.05
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	1.49	
For Soffit, Columns Or Beams Up To 10' High, Add	2.85	
For Soffit, Columns Or Beams >10' High, Add	3.64	
For Horizontal Installation Up To 10' High, Add	1.14	
For Horizontal Installation >10' High, Add	1.40	
For Curved Wall, Add	0.79	
For 12" On Center, Add	1.36	
For 24" On Center, Deduct	-1.36	
For Up To 100, Add	2.02	
For >100 To 300, Add	1.01	
For >1,000, Deduct	-0.86	
09 22 16 13-0024 SF 8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.19	1.11
For Powder-Actuated Fasteners Every 2', Add	0.06	
For Walls >10' High, Add	1.64	
For Soffit, Columns Or Beams Up To 10' High, Add	3.03	
For Soffit, Columns Or Beams >10' High, Add	3.86	
For Horizontal Installation Up To 10' High, Add	1.23	
For Horizontal Installation >10' High, Add	1.51	
For Curved Wall, Add	0.83	
For 12" On Center, Add	1.50	
For 24" On Center, Deduct	-1.50	
For Up To 100, Add	2.19	
For >100 To 300, Add	1.10	
For >1,000, Deduct	-0.95	
09 22 16 13-0025 Galvanized Steel Backing Plates <small>(09 22 16 13)</small>		
Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026 LF 3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.59	
09 22 16 13-0027 LF 4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.94	
09 22 16 13-0028 LF 6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.48	
09 22 16 13-0029 LF 8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.03	
09 22 16 13-0030 LF 10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.57	
09 22 16 13-0031 LF 12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	4.25	
09 22 16 13-0032 LF 3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.03	
09 22 16 13-0033 LF 4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.51	
09 22 16 13-0034 LF 6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.34	
09 22 16 13-0035 LF 8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.15	
09 22 16 13-0036 LF 10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.00	
09 22 16 13-0037 LF 12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.94	
09 22 16 13-0038 LF 3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.75	
09 22 16 13-0039 LF 4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.42	
09 22 16 13-0040 LF 6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.62	
09 22 16 13-0041 LF 8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	5.83	
09 22 16 13-0042 LF 10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	7.14	
09 22 16 13-0043 LF 12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	8.41	
09 22 16 13-0044 LF 3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.24	
09 22 16 13-0045 LF 4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.06	
09 22 16 13-0046 LF 6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.58	
09 22 16 13-0047 LF 8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	7.11	
09 22 16 13-0048 LF 10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	8.74	
09 22 16 13-0049 LF 12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	10.33	
09 22 36 Lath <small>(09 22)</small>		
09 22 36 13 Gypsum Lath <small>(09 22 36)</small>		
09 22 36 13-0001 Plaster Base Gypsum Panels <small>(09 22 36 13)</small>		
09 22 36 13-0002 SF 3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.62	0.53
For Walls >10' High, Add	0.14	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.27	
For >5,000, Deduct	-0.11	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0003 SF 1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.23	0.62
For Walls >10' High, Add	0.16	
For Up To 100, Add	0.62	
For >100 To 500, Add	0.31	
For >5,000, Deduct	-0.12	
09 22 36 13-0004 SF 5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.86	0.71
For Walls >10' High, Add	0.18	
For Up To 100, Add	0.71	
For >100 To 500, Add	0.36	
For >5,000, Deduct	-0.14	
09 22 36 13-0005 SF 3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.04	0.75
For Ceilings >10' High, Add	0.23	
For Up To 100, Add	0.75	
For >100 To 500, Add	0.38	
For >5,000, Deduct	-0.15	
09 22 36 13-0006 SF 1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.73	0.86
For Ceilings >10' High, Add	0.26	
For Up To 100, Add	0.87	
For >100 To 500, Add	0.44	
For >5,000, Deduct	-0.17	
09 22 36 13-0007 SF 5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	3.43	1.00
For Ceilings >10' High, Add	0.30	
For Up To 100, Add	1.00	
For >100 To 500, Add	0.50	
For >5,000, Deduct	-0.20	
09 22 36 13-0008 SF 3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.47	0.96
For Columns And Beams >10' High, Add	0.29	
For Up To 100, Add	0.97	
For >100 To 500, Add	0.48	
For >5,000, Deduct	-0.19	
09 22 36 13-0009 SF 1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.22	1.12
For Columns And Beams >10' High, Add	0.33	
For Up To 100, Add	1.12	
For >100 To 500, Add	0.56	
For >5,000, Deduct	-0.22	
09 22 36 13-0010 SF 5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.99	1.29
For Columns And Beams >10' High, Add	0.38	
For Up To 100, Add	1.28	
For >100 To 500, Add	0.64	
For >5,000, Deduct	-0.26	
09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0012 SF 3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.27	0.53
For Walls >10' High, Add	0.14	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.27	
For >5,000, Deduct	-0.11	
09 22 36 13-0013 SF 1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.63	0.62
For Walls >10' High, Add	0.16	
For Up To 100, Add	0.62	
For >100 To 500, Add	0.31	
For >5,000, Deduct	-0.12	
09 22 36 13-0014 SF 3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.69	0.75
For Ceilings >10' High, Add	0.23	
For Up To 100, Add	0.75	
For >100 To 500, Add	0.38	
For >5,000, Deduct	-0.15	
09 22 36 13-0015 SF 1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	3.13	0.86
For Ceilings >10' High, Add	0.26	
For Up To 100, Add	0.87	
For >100 To 500, Add	0.44	
For >5,000, Deduct	-0.17	
09 22 36 13-0016 SF 3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.12	0.96
For Columns And Beams >10' High, Add	0.29	
For Up To 100, Add	0.97	
For >100 To 500, Add	0.48	
For >5,000, Deduct	-0.19	
09 22 36 13-0017 SF 1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.62	1.12
For Columns And Beams >10' High, Add	0.33	
For Up To 100, Add	1.12	
For >100 To 500, Add	0.56	
For >5,000, Deduct	-0.22	
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0019 SF 3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.27	0.53
For Walls >10' High, Add	0.14	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.27	
For >5,000, Deduct	-0.11	
09 22 36 13-0020 SF 1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.63	0.62
For Walls >10' High, Add	0.16	
For Up To 100, Add	0.62	
For >100 To 500, Add	0.31	
For >5,000, Deduct	-0.12	



Finishes	09
Plaster and Gypsum Board	09 20
Supports for Plaster and Gypsum Board	09 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0021	SF		3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.69	0.75
			<i>For Ceilings >10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 500, Add</i>	0.38	
			<i>For >5,000, Deduct</i>	-0.15	
09 22 36 13-0022	SF		1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.13	0.86
			<i>For Ceilings >10' High, Add</i>	0.26	
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.17	
09 22 36 13-0023	SF		3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.12	0.96
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 13-0024	SF		1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.62	1.12
			<i>For Columns And Beams >10' High, Add</i>	0.33	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >5,000, Deduct</i>	-0.22	

09 22 36 23 Metal Lath (09 22 36)

09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)

09 22 36 23-0002	SF		1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.57	0.74
			<i>For Walls >10' High, Add</i>	0.21	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.83	
			<i>For >100 To 500, Add</i>	0.42	
			<i>For >5,000, Deduct</i>	-0.17	
09 22 36 23-0003	SF		2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.70	0.74
			<i>For Walls >10' High, Add</i>	0.21	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.83	
			<i>For >100 To 500, Add</i>	0.42	
			<i>For >5,000, Deduct</i>	-0.17	
09 22 36 23-0004	SF		2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.83	0.74
			<i>For Walls >10' High, Add</i>	0.21	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.83	
			<i>For >100 To 500, Add</i>	0.42	
			<i>For >5,000, Deduct</i>	-0.17	
09 22 36 23-0005	SF		3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.26	0.79
			<i>For Walls >10' High, Add</i>	0.22	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0006	SF		1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.80	0.84
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0007	SF		2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.93	0.84
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0008	SF		2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.06	0.84
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0009	SF		3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.38	0.84
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0010	SF		1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.65	1.20
			<i>For Columns And Beams >10' High, Add</i>	0.40	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.32	
			<i>For >100 To 500, Add</i>	0.66	
			<i>For >5,000, Deduct</i>	-0.26	
09 22 36 23-0011	SF		2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.78	1.20
			<i>For Columns And Beams >10' High, Add</i>	0.40	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.32	
			<i>For >100 To 500, Add</i>	0.66	
			<i>For >5,000, Deduct</i>	-0.26	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0012	SF	2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.91	1.20
		<i>For Columns And Beams >10' High, Add</i>	0.40	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	1.32	
		<i>For >100 To 500, Add</i>	0.66	
		<i>For >5,000, Deduct</i>	-0.26	
09 22 36 23-0013	SF	3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.91	1.50
		<i>For Columns And Beams >10' High, Add</i>	0.50	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	1.66	
		<i>For >100 To 500, Add</i>	0.83	
		<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0014		Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0015	SF	1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.68	0.79
		<i>For Walls >10' High, Add</i>	0.22	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.44	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0016	SF	2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.81	0.79
		<i>For Walls >10' High, Add</i>	0.22	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.44	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0017	SF	2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.94	0.79
		<i>For Walls >10' High, Add</i>	0.22	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.44	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0018	SF	3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	3.26	0.79
		<i>For Walls >10' High, Add</i>	0.22	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.44	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0019	SF	1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.32	1.50
		<i>For Columns And Beams >10' High, Add</i>	0.50	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	1.66	
		<i>For >100 To 500, Add</i>	0.83	
		<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0020	SF	2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.45	1.50
		<i>For Columns And Beams >10' High, Add</i>	0.50	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	1.66	
		<i>For >100 To 500, Add</i>	0.83	
		<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0021	SF	2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.58	1.50
		<i>For Columns And Beams >10' High, Add</i>	0.50	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	1.66	
		<i>For >100 To 500, Add</i>	0.83	
		<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0022	SF	3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	5.38	1.71
		<i>For Columns And Beams >10' High, Add</i>	0.57	
		<i>For Paper Backed Lath, Add</i>	0.06	
		<i>For Up To 100, Add</i>	1.89	
		<i>For >100 To 500, Add</i>	0.95	
		<i>For >5,000, Deduct</i>	-0.38	
09 22 36 23-0023		High Rib Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0024	SF	2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.16	0.84
		<i>For Ceilings >10' High, Add</i>	0.28	
		<i>For Up To 100, Add</i>	0.95	
		<i>For >100 To 500, Add</i>	0.47	
		<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0025	SF	3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.35	0.84
		<i>For Ceilings >10' High, Add</i>	0.28	
		<i>For Up To 100, Add</i>	0.95	
		<i>For >100 To 500, Add</i>	0.47	
		<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0026	SF	3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.46	0.84
		<i>For Ceilings >10' High, Add</i>	0.28	
		<i>For Up To 100, Add</i>	0.95	
		<i>For >100 To 500, Add</i>	0.47	
		<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0027	SF	4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.67	0.84
		<i>For Ceilings >10' High, Add</i>	0.28	
		<i>For Up To 100, Add</i>	0.95	
		<i>For >100 To 500, Add</i>	0.47	
		<i>For >5,000, Deduct</i>	-0.19	



Finishes	09	9
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

09 22 36 33 Fiberglass Lath (09 22 36)

09 22 36 33-0001 Non-Metallic, Fiberglass Lath (09 22 36 33)

09 22 36 33-0002	SF 1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.45	0.84
	<i>For Ceilings >10' High, Add</i>	0.28	
	<i>For Up To 100, Add</i>	0.95	
	<i>For >100 To 500, Add</i>	0.47	
	<i>For >5,000, Deduct</i>	-0.19	
09 22 36 33-0003	SF 1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.70	0.84
	<i>For Ceilings >10' High, Add</i>	0.28	
	<i>For Up To 100, Add</i>	0.95	
	<i>For >100 To 500, Add</i>	0.47	
	<i>For >5,000, Deduct</i>	-0.19	
09 22 36 33-0004	SF 1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.33	0.79
	<i>For Walls >10' High, Add</i>	0.22	
	<i>For Up To 100, Add</i>	0.89	
	<i>For >100 To 500, Add</i>	0.44	
	<i>For >5,000, Deduct</i>	-0.18	
09 22 36 33-0005	SF 1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.58	0.79
	<i>For Walls >10' High, Add</i>	0.22	
	<i>For Up To 100, Add</i>	0.89	
	<i>For >100 To 500, Add</i>	0.44	
	<i>For >5,000, Deduct</i>	-0.18	

09 23 Gypsum Plastering (09 20)

09 23 13 Acoustical Gypsum Plastering (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002	LF Galvanized Expanded Flange Casing Bead For Plaster Applications.....	4.93	1.20
09 23 13 00-0003	LF Zinc Expanded Flange Casing Bead For Plaster Applications.....	4.94	1.20
09 23 13 00-0004	LF Vinyl Expanded Flange Casing Bead For Plaster Applications.....	5.22	1.20
09 23 13 00-0005	LF Galvanized Corner Bead For Plaster Applications.....	4.73	1.20
09 23 13 00-0006	LF Vinyl Corner Bead For Plaster Applications.....	4.76	1.20

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008	LF Galvanized "J" Trim For Plaster Applications.....	4.96	1.20
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.20	
	<i>For Zinc Instead Of Galvanized, Add</i>	1.32	
09 23 13 00-0009	LF Galvanized "L" Trim For Plaster Applications	4.96	1.20
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.20	
	<i>For Zinc Instead Of Galvanized, Add</i>	1.32	
09 23 13 00-0010	LF Galvanized "U" Trim For Plaster Applications.....	4.96	1.20
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.20	
	<i>For Zinc Instead Of Galvanized, Add</i>	1.32	

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012	SF 1" Architectural Foam Forms To Cover With Plaster	5.73	
09 23 13 00-0013	LF 3/4" Galvanized Expansion Joint For Plaster Applications.....	5.82	1.20

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0015	SF Skim Coat One Coat Gypsum Plaster On Walls	1.37	
	<i>For Walls >10' High, Add</i>	0.12	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.18	
	<i>For Horizontal Installation >10' High, Add</i>	0.35	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.36	
	<i>For Columns Or Beams >10' High, Add</i>	0.54	
	<i>For Up To 100, Add</i>	0.59	
	<i>For >100 To 500, Add</i>	0.29	
	<i>For >5,000, Deduct</i>	-0.23	
09 23 13 00-0016	SF For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.99	
	<i>For Walls >10' High, Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.13	
	<i>For Horizontal Installation >10' High, Add</i>	0.25	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.26	
	<i>For Columns Or Beams >10' High, Add</i>	0.39	
	<i>For Up To 100, Add</i>	0.42	
	<i>For >100 To 500, Add</i>	0.21	
	<i>For >5,000, Deduct</i>	-0.17	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls (09 23 13)

09 Finishes

09 20 Plaster and Gypsum Board

09 23 Gypsum Plastering



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0018	SF		Smooth Finish Two Coats Gypsum Plaster On Walls.....	6.76	3.88
			For Walls >10' High, Add	0.64	
			For Horizontal Installation Up To 10' High, Add	0.96	
			For Horizontal Installation >10' High, Add	1.92	
			For Columns Or Beams Up To 10' High, Add	1.98	
			For Columns Or Beams >10' High, Add	2.94	
			For Up To 100, Add	3.20	
			For >100 To 500, Add	1.60	
			For >5,000, Deduct	-1.28	
09 23 13 00-0019	SF		Sand Aggregate Two Coats Gypsum Plaster On Walls.....	7.08	3.67
			For Walls >10' High, Add	0.60	
			For Horizontal Installation Up To 10' High, Add	0.90	
			For Horizontal Installation >10' High, Add	1.80	
			For Columns Or Beams Up To 10' High, Add	1.86	
			For Columns Or Beams >10' High, Add	2.76	
			For Up To 100, Add	3.00	
			For >100 To 500, Add	1.50	
			For >5,000, Deduct	-1.20	
09 23 13 00-0020	SF		Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	6.98	3.67
			For Walls >10' High, Add	0.60	
			For Horizontal Installation Up To 10' High, Add	0.90	
			For Horizontal Installation >10' High, Add	1.80	
			For Columns Or Beams Up To 10' High, Add	1.86	
			For Columns Or Beams >10' High, Add	2.76	
			For Up To 100, Add	3.00	
			For >100 To 500, Add	1.50	
			For >5,000, Deduct	-1.20	
09 23 13 00-0021			Three Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0022	SF		Smooth Finish Three Coats Gypsum Plaster On Walls.....	8.18	4.72
			For Walls >10' High, Add	0.76	
			For Horizontal Installation Up To 10' High, Add	1.15	
			For Horizontal Installation >10' High, Add	2.29	
			For Columns Or Beams Up To 10' High, Add	2.37	
			For Columns Or Beams >10' High, Add	3.51	
			For Up To 100, Add	3.82	
			For >100 To 500, Add	1.91	
			For >5,000, Deduct	-1.53	
09 23 13 00-0023	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls.....	8.33	4.30
			For Walls >10' High, Add	0.71	
			For Horizontal Installation Up To 10' High, Add	1.06	
			For Horizontal Installation >10' High, Add	2.13	
			For Columns Or Beams Up To 10' High, Add	2.20	
			For Columns Or Beams >10' High, Add	3.26	
			For Up To 100, Add	3.55	
			For >100 To 500, Add	1.77	
			For >5,000, Deduct	-1.42	
09 23 13 00-0024	SF		Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls.....	7.70	4.30
			For Walls >10' High, Add	0.71	
			For Horizontal Installation Up To 10' High, Add	1.06	
			For Horizontal Installation >10' High, Add	2.12	
			For Columns Or Beams Up To 10' High, Add	2.19	
			For Columns Or Beams >10' High, Add	3.24	
			For Up To 100, Add	3.53	
			For >100 To 500, Add	1.76	
			For >5,000, Deduct	-1.41	
09 23 13 00-0025			Plaster Bonding Agent (09 23 13)		
09 23 13 00-0026	SF		1 Coat, Brush/Roller Applied Plaster Bonding Agent.....	0.76	
			For Walls >10' High, Add	0.06	
			For Columns Or Beams Up To 10' High, Add	0.19	
			For Columns Or Beams >10' High, Add	0.28	
			For Ceiling Application Up To 10' High, Add	0.08	
			For Ceiling Application >10' High, Add	0.14	
09 24 Cement Plastering					
09 24 13 Acoustical Cement Plastering					
09 24 13 00-0001			Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)		
			Note: Used for areas with higher than normal moisture.		
09 24 13 00-0002	SF		1 Coat Keene's Cement Plaster On Walls.....	5.64	2.62
			For Walls >10' High, Add	0.42	
			For Horizontal Installation Up To 10' High, Add	0.63	
			For Horizontal Installation >10' High, Add	1.26	
			For Columns Or Beams Up To 10' High, Add	1.30	
			For Columns Or Beams >10' High, Add	1.93	
			For Up To 100, Add	2.10	
			For >100 To 500, Add	1.05	
			For >5,000, Deduct	-0.84	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 24	13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	8.48	4.09
	09 24	13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	9.59	4.62

09 24 23

Cement Stucco (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001

Stucco (09 24 23)

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

	09 24	23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For Color Added To Finish Coat, Add</i> <i>For Smooth Float Finish, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	10.44	3.25
	09 24	23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	4.62	1.57
	09 24	23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For Color Added To Finish Coat, Add</i> <i>For Smooth Float Finish, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	6.90	1.57
	09 24	23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For Color Added To Finish Coat, Add</i> <i>For Smooth Float Finish, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	4.38	1.05

09 24 33

Cement Parging (09 24)

09 24 33 00-0001

Cement Parging (09 24 33)

	09 24	33 00-0002	SF	1/8" Thick Sand And Cement Parging 3.83
	09 24	33 00-0003	SF	1/4" Thick Sand And Cement Parging 4.94
	09 24	33 00-0004	SF	1/2" Thick Sand And Cement Parging 6.24

09 28 Backing Boards and Underlayments (09 20)

09 28 13

Cementitious Backing Boards (09 28)

09 Finishes**09 20 Plaster and Gypsum Board****09 28 Backing Boards and Underlayments**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 13 00-0001			Cementitious Backer Units <small>(09 28 13)</small> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors	4.21	0.80
			For Up To 50, Add	3.44	
			For >50 To 250, Add	0.64	
			For >1,000, Deduct	-0.32	
			For Installation On Wall, Add	0.64	
			For Installation On Ceiling, Add	1.59	
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors	4.86	0.96
			For Up To 50, Add	4.07	
			For >50 To 250, Add	0.76	
			For >1,000, Deduct	-0.38	
			For Installation On Wall, Add	0.76	
			For Installation On Ceiling, Add	1.91	
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors	5.92	1.11
			For Up To 50, Add	4.82	
			For >50 To 250, Add	0.89	
			For >1,000, Deduct	-0.45	
			For Installation On Wall, Add	0.89	
			For Installation On Ceiling, Add	2.23	
09 28 16			Glass-Mat Faced Gypsum Backing Boards <small>(09 28)</small>		
09 28 16 00-0001			Glass Mat Faced Backer Units, DensShield <small>(09 28 16)</small> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002	SF		1/2" DensShield Tile Backer For Installation On Floors	3.70	0.89
			For Up To 50, Add	2.64	
			For >50 To 250, Add	0.46	
			For >1,000, Deduct	-0.23	
			For Installation On Wall, Add	0.46	
			For Installation On Ceiling, Add	1.14	
09 28 16 00-0003	SF		5/8" DensShield Tile Backer For Installation On Floors	4.39	1.02
			For Up To 50, Add	3.01	
			For >50 To 250, Add	0.51	
			For >1,000, Deduct	-0.26	
			For Installation On Wall, Add	0.51	
			For Installation On Ceiling, Add	1.28	
09 29			Gypsum Board <small>(09 29)</small> Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
09 29 10			Gypsum Board <small>(09 29)</small>		
09 29 10 00-0001			Standard Gypsum Board Application <small>(09 29 10)</small> Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.		
09 29 10 00-0002			Standard Gypsum Board Application <small>(09 29 10 00-0001)</small>		
09 29 10 00-0003	SF		1/4" Gypsum Board.....	1.48	0.51
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.24	
			For Adhesive Applied Sheets, Add	0.11	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.35	
			For Horizontal Installation >10' High, Add	0.51	
			For Walls >10' High, Add	0.08	
			For Up To 128, Add	0.50	
			For >128 To 320, Add	0.30	
			For >1,536, Deduct	-0.12	
09 29 10 00-0004	SF		3/8" Gypsum Board.....	1.61	0.57
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
			For Adhesive Applied Sheets, Add	0.12	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.39	
			For Horizontal Installation >10' High, Add	0.58	
			For Walls >10' High, Add	0.09	
			For Up To 128, Add	0.55	
			For >128 To 320, Add	0.33	
			For >1,536, Deduct	-0.13	
09 29 10 00-0005	SF		1/2" Gypsum Board.....	1.78	0.65
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.45	
			For Horizontal Installation >10' High, Add	0.66	
			For Walls >10' High, Add	0.11	
			For Up To 128, Add	0.62	
			For >128 To 320, Add	0.38	
			For >1,536, Deduct	-0.14	



Finishes	09	9
Plaster and Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0006 SF 5/8" Gypsum Board.....	2.08	0.75
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.76	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.72	
For >128 To 320, Add	0.43	
For >1,536, Deduct	-0.16	
09 29 10 00-0007 Fire Rated Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0008 Type X, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0009 SF 5/8" Type X Fire Rated Gypsum Board.....	2.22	0.75
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.56	
For Horizontal Installation >10' High, Add	0.83	
For Walls >10' High, Add	0.13	
For Up To 128, Add	0.78	
For >128 To 320, Add	0.47	
For >1,536, Deduct	-0.17	
09 29 10 00-0010 Type C, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0011 SF 1/2" Type C Fire Rated Gypsum Board.....	2.04	0.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.73	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.70	
For >128 To 320, Add	0.42	
For >1,536, Deduct	-0.16	
09 29 10 00-0012 SF 5/8" Type C Fire Rated Gypsum Board.....	2.28	0.75
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.56	
For Horizontal Installation >10' High, Add	0.83	
For Walls >10' High, Add	0.13	
For Up To 128, Add	0.79	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.18	
09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)		
09 29 10 00-0014 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®).....	3.07	0.75
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.56	
For Horizontal Installation >10' High, Add	0.83	
For Walls >10' High, Add	0.13	
For Up To 128, Add	0.95	
For >128 To 320, Add	0.56	
For >1,536, Deduct	-0.29	
09 29 10 00-0015 Moisture Resistant Gypsum Board Application (09 29 10 00-0001)		
Note: Water-resistant gypsum core.		
09 29 10 00-0016 SF 1/2" Moisture Resistant Gypsum Board.....	1.93	0.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.45	
For Horizontal Installation >10' High, Add	0.66	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.65	
For >128 To 320, Add	0.39	
For >1,536, Deduct	-0.16	

09 Finishes

09 20 Plaster and Gypsum Board

09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0017	SF		5/8" Moisture Resistant Gypsum Board	2.47	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
			<i>For Adhesive Applied Sheets, Add</i>	0.14	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.51	
			<i>For Horizontal Installation >10' High, Add</i>	0.76	
			<i>For Walls >10' High, Add</i>	0.12	
			<i>For Up To 128, Add</i>	0.80	
			<i>For >128 To 320, Add</i>	0.47	
			<i>For >1,536, Deduct</i>	-0.22	
09 29 10 00-0018			Vinyl Faced Gypsum Board Application (09 29 10 00-0001)		
			<i>Note: Includes clips and adhesive.</i>		
09 29 10 00-0019	SF		3/8" Prefinished, Vinyl Faced Gypsum Board	3.45	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	
			<i>For Adhesive Applied Sheets, Add</i>	0.12	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.39	
			<i>For Horizontal Installation >10' High, Add</i>	0.58	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.92	
			<i>For >128 To 320, Add</i>	0.52	
			<i>For >1,536, Deduct</i>	-0.40	
09 29 10 00-0020	SF		1/2" Prefinished, Vinyl Faced Gypsum Board	3.62	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
			<i>For Adhesive Applied Sheets, Add</i>	0.13	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
			<i>For Horizontal Installation >10' High, Add</i>	0.66	
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Up To 128, Add</i>	0.99	
			<i>For >128 To 320, Add</i>	0.56	
			<i>For >1,536, Deduct</i>	-0.41	
09 29 10 00-0021	SF		5/8" Prefinished, Vinyl Faced Gypsum Board	3.81	0.75
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
			<i>For Adhesive Applied Sheets, Add</i>	0.14	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.51	
			<i>For Horizontal Installation >10' High, Add</i>	0.76	
			<i>For Walls >10' High, Add</i>	0.12	
			<i>For Up To 128, Add</i>	1.06	
			<i>For >128 To 320, Add</i>	0.61	
			<i>For >1,536, Deduct</i>	-0.42	
09 29 10 00-0022	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.19	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
			<i>For Adhesive Applied Sheets, Add</i>	0.13	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.49	
			<i>For Horizontal Installation >10' High, Add</i>	0.73	
			<i>For Walls >10' High, Add</i>	0.12	
			<i>For Up To 128, Add</i>	1.13	
			<i>For >128 To 320, Add</i>	0.64	
			<i>For >1,536, Deduct</i>	-0.48	
09 29 10 00-0023	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	6.36	0.75
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
			<i>For Adhesive Applied Sheets, Add</i>	0.14	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.56	
			<i>For Horizontal Installation >10' High, Add</i>	0.83	
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Up To 128, Add</i>	1.60	
			<i>For >128 To 320, Add</i>	0.89	
			<i>For >1,536, Deduct</i>	-0.79	
09 29 10 00-0024			Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0025	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.23	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.31	
			<i>For Adhesive Applied Sheets, Add</i>	0.13	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
			<i>For Horizontal Installation >10' High, Add</i>	0.66	
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Up To 128, Add</i>	0.71	
			<i>For >128 To 320, Add</i>	0.42	
			<i>For >1,536, Deduct</i>	-0.20	



Finishes	09	9
Plaster and Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0026 SF 5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	2.62	0.72
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Non-reinforced Board, Deduct	-0.08	
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.76	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.83	
For >128 To 320, Add	0.49	
For >1,536, Deduct	-0.24	
09 29 10 00-0027 SF 1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.63	0.63
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.73	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.82	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.25	
09 29 10 00-0028 SF 5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.94	0.72
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.56	
For Horizontal Installation >10' High, Add	0.83	
For Walls >10' High, Add	0.13	
For Up To 128, Add	0.92	
For >128 To 320, Add	0.54	
For >1,536, Deduct	-0.28	
09 29 10 00-0029 Impact Resistant Gypsum Board (09 29 10 00-0001)		
Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030 SF 5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	4.16	0.72
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.37	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.75	
For Walls >10' High, Add	0.12	
For Up To 128, Add	1.13	
For >128 To 320, Add	0.64	
For >1,536, Deduct	-0.47	
09 29 10 00-0031 Abuse Resistant Gypsum Board (09 29 10 00-0001)		
Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032 SF 5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.69	0.72
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.75	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.84	
For >128 To 320, Add	0.49	
For >1,536, Deduct	-0.25	
09 29 10 00-0033 Noise Reducing Gypsum Board (09 29 10 00-0001)		
09 29 10 00-0034 SF 1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	4.88	0.76
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.52	
For Horizontal Installation >10' High, Add	0.77	
For Walls >10' High, Add	0.12	
For Up To 128, Add	1.28	
For >128 To 320, Add	0.72	
For >1,536, Deduct	-0.58	

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0035 SF 5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	5.84	0.76
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.52	
For Horizontal Installation >10' High, Add	0.77	
For Walls >10' High, Add	0.12	
For Up To 128, Add	1.47	
For >128 To 320, Add	0.81	
For >1,536, Deduct	-0.72	
09 29 10 00-0036 Finishing Gypsum Board Applications (09 29 10)		
Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)		
09 29 10 00-0038 SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.89	
For Up To 128, Add	0.34	
For >128 To 320, Add	0.21	
For >5,400, Deduct	-0.09	
For ASTM C840 Level 1 Finish, Deduct	-0.42	
For ASTM C840 Level 2 Finish, Deduct	-0.21	
For ASTM C840 Level 3 Finish, Deduct	-0.09	
For ASTM C840 Level 5 High Quality Finish, Add	0.66	
For Spray Applied Textured Or Orange Peel Finish, Add	0.66	
09 29 10 00-0039 SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	1.18	
Note: Use this task for the entire wall area when the wall is >10' high.		
For Up To 128, Add	0.46	
For >128 To 320, Add	0.28	
For >5,400, Deduct	-0.12	
For ASTM C840 Level 1 Finish, Deduct	-0.57	
For ASTM C840 Level 2 Finish, Deduct	-0.28	
For ASTM C840 Level 3 Finish, Deduct	-0.11	
For ASTM C840 Level 5 High Quality Finish, Add	0.87	
For Spray Applied Textured Or Orange Peel Finish, Add	0.87	
09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 10 00-0036)		
09 29 10 00-0041 SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.16	
For Up To 128, Add	0.45	
For >128 To 320, Add	0.28	
For >5,400, Deduct	-0.12	
For ASTM C840 Level 1 Finish, Deduct	-0.56	
For ASTM C840 Level 2 Finish, Deduct	-0.28	
For ASTM C840 Level 3 Finish, Deduct	-0.11	
For ASTM C840 Level 5 High Quality Finish, Add	0.86	
For Spray Applied Textured Or Orange Peel Finish, Add	0.86	
09 29 10 00-0042 SF >10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.55	
Note: Use this task for the entire wall area when the wall is >10' high.		
For Up To 128, Add	0.60	
For >128 To 320, Add	0.38	
For >5,400, Deduct	-0.16	
For ASTM C840 Level 1 Finish, Deduct	-0.75	
For ASTM C840 Level 2 Finish, Deduct	-0.38	
For ASTM C840 Level 3 Finish, Deduct	-0.15	
For ASTM C840 Level 5 High Quality Finish, Add	1.15	
For Spray Applied Textured Or Orange Peel Finish, Add	1.15	
09 29 10 00-0043 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 (09 29 10 00-0036)		
Note: Inside or outside gypsum board corners.		
09 29 10 00-0044 LF Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.78	
For ASTM C840 Level 1 Finish, Deduct	-0.83	
For ASTM C840 Level 2 Finish, Deduct	-0.41	
For ASTM C840 Level 3 Finish, Deduct	-0.17	
For ASTM C840 Level 5 High Quality Finish, Add	1.30	
09 29 10 00-0045 LF >10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	2.12	
Note: Use this task for the entire wall area when the wall is >10' high.		
For ASTM C840 Level 1 Finish, Deduct	-1.00	
For ASTM C840 Level 2 Finish, Deduct	-0.50	
For ASTM C840 Level 3 Finish, Deduct	-0.20	
For ASTM C840 Level 5 High Quality Finish, Add	1.56	



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST
09 29 10 00-0046 Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>				
Note: Inside or outside gypsum board corners.				
09 29 10 00-0047	LF Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	2.06		
	For ASTM C840 Level 1 Finish, Deduct	-0.97		
	For ASTM C840 Level 2 Finish, Deduct	-0.48		
	For ASTM C840 Level 3 Finish, Deduct	-0.20		
	For ASTM C840 Level 5 High Quality Finish, Add	1.51		
09 29 10 00-0048	LF >10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	2.47		
	Note: Use this task for the entire wall area when the wall is >10' high.			
	For ASTM C840 Level 1 Finish, Deduct	-1.17		
	For ASTM C840 Level 2 Finish, Deduct	-0.59		
	For ASTM C840 Level 3 Finish, Deduct	-0.24		
	For ASTM C840 Level 5 High Quality Finish, Add	1.82		
09 29 10 00-0049 Casing And Corner Beads <small>(09 29 10)</small>				
09 29 10 00-0050	LF Casing, Galvanized Steel J-Bead For Gypsum Board.....	4.48		1.27
	For Up To 100, Add	0.31		
	For >500, Deduct	-0.22		
09 29 10 00-0051	LF Corner Bead, Galvanized Steel For Gypsum Board.....	4.46		1.27
	For Up To 100, Add	0.30		
	For >500, Deduct	-0.22		
09 29 10 00-0052 Preformed Architectural Profiles <small>(09 29 10)</small>				
09 29 10 00-0053 Trim Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>				
09 29 10 00-0054	LF 1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.22		1.53
09 29 10 00-0055	LF 1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.26		1.53
09 29 10 00-0056	LF 3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.46		1.53
09 29 10 00-0057	LF 1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.56		1.53
09 29 10 00-0058	LF 5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.80		1.53
09 29 10 00-0059	LF 3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.04		1.53
09 29 10 00-0060	LF 1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.28		1.53
09 29 10 00-0061	LF 1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.06		1.53
09 29 10 00-0062	LF 2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.84		1.53
09 29 10 00-0063	LF 1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.37		1.65
09 29 10 00-0064	LF 1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.37		1.65
09 29 10 00-0065	LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.90		1.65
09 29 10 00-0066	LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.00		1.65
09 29 10 00-0067	LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.34		1.65
09 29 10 00-0068	LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.48		1.65
09 29 10 00-0069	LF 1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.68		1.65
09 29 10 00-0070	LF 1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.55		1.65
09 29 10 00-0071	LF 2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.43		1.65
09 29 10 00-0072	LF 3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	12.94		1.90
09 29 10 00-0073	LF 4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	14.39		1.90
09 29 10 00-0074 Edge Trim For Gypsum Board <small>(09 29 10 00-0052)</small>				
09 29 10 00-0075	LF 1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	5.70		1.59
09 29 10 00-0076	LF 5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.09		1.59
09 29 10 00-0077	LF 1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.12		1.75
09 29 10 00-0078	LF 1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.47		1.90
09 29 10 00-0079	LF 1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	10.56		1.59
09 29 10 00-0080	LF 5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	10.95		1.59
09 29 10 00-0081	LF 1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	11.98		1.75
09 29 10 00-0082	LF 1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	12.32		1.90
09 29 10 00-0083 Bevel Trim For Gypsum Board <small>(09 29 10 00-0052)</small>				
09 29 10 00-0084	LF 5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	6.09		1.59
09 29 10 00-0085	LF 5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	6.98		1.75
09 29 10 00-0086 Trim/Wainscot Caps For Gypsum Board <small>(09 29 10 00-0052)</small>				
09 29 10 00-0087	LF 1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	8.29		1.90
09 29 10 00-0088 Single Fin Wall/Trim Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>				
09 29 10 00-0089	LF 1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.91		1.02
09 29 10 00-0090	LF 1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.00		1.15
09 29 10 00-0091	LF 3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.92		1.27
09 29 10 00-0092	LF 1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.36		1.40
09 29 10 00-0093	LF 5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.77		1.53
09 29 10 00-0094	LF 3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.91		1.53
09 29 10 00-0095	LF 1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.35		1.53
09 29 10 00-0096	LF 1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.18		1.53
09 29 10 00-0097	LF 2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.47		1.53
09 29 10 00-0098	LF 1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.34		1.65
09 29 10 00-0099	LF 1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.44		1.65

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0100 LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.97	1.65
09 29 10 00-0101 LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.21	1.65
09 29 10 00-0102 LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.41	1.65
09 29 10 00-0103 LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.65	1.65
09 29 10 00-0104 LF 1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.99	1.65
09 29 10 00-0105 LF 1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.86	1.65
09 29 10 00-0106 LF 2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	10.59	1.65
09 29 10 00-0107 LF 3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	12.92	1.65
09 29 10 00-0108 LF 4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	17.39	1.65
09 29 10 00-0109 LF 3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	12.05	1.65
09 29 10 00-0110 LF 3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	12.44	1.65
09 29 10 00-0111 LF 4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	13.75	1.65
09 29 10 00-0112 LF 4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	13.89	1.65
09 29 10 00-0113 LF 9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	15.79	1.65
09 29 10 00-0114 LF 5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	12.97	1.65
09 29 10 00-0115 'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0116 LF 1/4" x 5/8" Aluminum Extrusions, "V" Groove Wall Reveal For Gypsum Board.....	9.15	2.28
09 29 10 00-0117 LF 3/4" x 1/2" Aluminum Extrusions, "V" Groove Wall Reveal For Gypsum Board.....	10.48	2.55
09 29 10 00-0118 LF 1" x 1/2" Aluminum Extrusions, "V" Groove Wall Reveal For Gypsum Board.....	11.94	3.05
09 29 10 00-0119 LF 9/32" x 5/8" Aluminum Extrusions, "V" Groove Wall Reveal For Gypsum Board.....	12.15	3.30
09 29 10 00-0120 Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0121 LF 3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.55	1.53
09 29 10 00-0122 LF 1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.64	1.53
09 29 10 00-0123 LF 1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.74	1.53
09 29 10 00-0124 LF 3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.74	1.53
09 29 10 00-0125 LF 1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.18	1.53
09 29 10 00-0126 LF 5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.37	1.51
09 29 10 00-0127 LF 3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.56	1.53
09 29 10 00-0128 LF 1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.00	1.53
09 29 10 00-0129 LF 1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.73	1.53
09 29 10 00-0130 LF 2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.51	1.53
09 29 10 00-0131 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.04	1.65
09 29 10 00-0132 LF 1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.14	1.65
09 29 10 00-0133 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.33	1.65
09 29 10 00-0134 LF 1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.77	1.65
09 29 10 00-0135 LF 5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.96	1.65
09 29 10 00-0136 LF 3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.11	1.65
09 29 10 00-0137 LF 1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.59	1.65
09 29 10 00-0138 LF 1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.37	1.65
09 29 10 00-0139 LF 2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.15	1.65
09 29 10 00-0140 LF 3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	14.23	1.65
09 29 10 00-0141 LF 4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	18.60	1.65
09 29 10 00-0142 LF 1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	16.72	1.80
09 29 10 00-0143 LF 3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	19.02	2.20
09 29 10 00-0144 LF 1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	19.65	2.20
09 29 10 00-0145 LF 1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	15.20	1.51
09 29 10 00-0146 LF 1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	14.12	2.20
09 29 10 00-0147 LF 1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	10.15	1.51
09 29 10 00-0148 Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0149 Radius Conditions (09 29 10 00-0148)		
09 29 10 00-0150 EA 8' Long Inside Radius For Gypsum Board.....	121.36	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0151 EA 8' Long Outside Radius For Gypsum Board.....	121.36	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0152 EA 8' Long Circular / Arched Radius For Gypsum Board.....	121.36	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0153 Knee Brace Kit (09 29 10 00-0148)		
09 29 10 00-0154 EA 46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	264.76	15.87
09 29 10 00-0155 Wall Bumper Rail (09 29 10 00-0148)		
09 29 10 00-0156 LF 2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	36.97	6.35
09 29 10 00-0157 Corners For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0158 LF 1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.91	1.53
09 29 10 00-0159 LF 5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	8.46	1.65
09 29 10 00-0160 LF 3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	9.37	1.73
09 29 10 00-0161 LF 1"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	10.45	1.80
09 29 10 00-0162 LF 1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	12.66	2.20
09 29 10 00-0163 LF 2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	14.67	2.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0164	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	17.81	2.84
09 29 10 00-0165	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	21.62	3.31
09 29 10 00-0166	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	29.69	4.41
09 29 10 00-0167	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	7.89	1.47
09 29 10 00-0168	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	14.46	1.98
09 29 10 00-0169	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	10.43	1.98
09 29 10 00-0170	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	18.73	1.98
09 29 10 00-0171	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	26.61	2.48
09 29 10 00-0172	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	25.54	2.48
09 29 10 00-0173	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	7.77	1.73
09 29 10 00-0174	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	7.82	1.65
09 29 10 00-0175	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	7.87	1.53
09 29 10 00-0176	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	8.26	1.65
09 29 10 00-0177	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	11.09	1.80
09 29 10 00-0178	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	9.76	1.53
09 29 10 00-0179	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	10.30	1.65
09 29 10 00-0180	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	15.07	1.80
09 29 10 00-0181	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	16.56	1.53
09 29 10 00-0182	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board.....	28.46	3.31
09 29 10 00-0183	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	30.41	3.31
09 29 10 00-0184	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	56.26	5.51
09 29 10 00-0185	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	93.29	7.81
09 29 10 00-0186	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	9.42	1.70
09 29 10 00-0187	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	10.75	1.78
09 29 10 00-0188	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	12.91	2.17
09 29 10 00-0189	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	15.83	2.44
09 29 10 00-0190	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	22.42	2.80
09 29 10 00-0191	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	24.24	3.26
09 29 10 00-0192	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	27.56	4.34
09 29 10 00-0193	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	17.54	3.26
09 29 10 00-0194	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	17.79	3.26
09 29 10 00-0195	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	19.34	3.26
09 29 10 00-0196	LF		5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	19.82	3.26

09 29 82 Gypsum Board Fire Protection (09 29)

09 29 82 00-0001 Shaft Wall (09 29 82)					
See CSI section 09 29 10 00-0036 for finishing drywall.					
09 29 82 00-0002	SF		3/4" Fire Rated Shaft Wall Assembly.....	7.82	3.18
Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.					
<i>For Horizontal Installation Up To 10' High, Add</i>				2.16	
<i>For Horizontal Installation >10' High, Add</i>				3.18	
<i>For Walls >10' High, Add</i>				0.51	
<i>For Up To 128, Add</i>				2.83	
<i>For >128 To 320, Add</i>				1.73	
<i>For >1,536, Deduct</i>				-0.54	
09 29 82 00-0003	SF		7/8" Fire Rated Shaft Wall Assembly.....	9.14	3.81
Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.					
<i>For Horizontal Installation Up To 10' High, Add</i>				2.59	
<i>For Horizontal Installation >10' High, Add</i>				3.82	
<i>For Walls >10' High, Add</i>				0.61	
<i>For Up To 128, Add</i>				3.35	
<i>For >128 To 320, Add</i>				2.06	
<i>For >1,536, Deduct</i>				-0.61	
09 29 82 00-0004	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	7.65	2.45
Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.					
<i>For Horizontal Installation Up To 10' High, Add</i>				1.66	
<i>For Horizontal Installation >10' High, Add</i>				2.45	
<i>For Walls >10' High, Add</i>				0.39	
<i>For Up To 128, Add</i>				2.51	
<i>For >128 To 320, Add</i>				1.50	
<i>For Glass Mat Surfaces, Add</i>				0.32	
09 29 82 00-0005	SF		4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.14	2.57
Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.					
<i>For Horizontal Installation Up To 10' High, Add</i>				1.74	
<i>For Horizontal Installation >10' High, Add</i>				2.57	
<i>For Walls >10' High, Add</i>				0.41	
<i>For Up To 128, Add</i>				2.65	
<i>For >128 To 320, Add</i>				1.58	
<i>For Glass Mat Surfaces, Add</i>				0.32	
09 29 82 00-0006	SF		2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.79	2.57
Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.					
<i>For Horizontal Installation Up To 10' High, Add</i>				1.74	
<i>For Horizontal Installation >10' High, Add</i>				2.57	
<i>For Walls >10' High, Add</i>				0.41	
<i>For Up To 128, Add</i>				2.78	
<i>For >128 To 320, Add</i>				1.65	
<i>For Glass Mat Surfaces, Add</i>				0.32	

09	09 Finishes
	09 20 Plaster and Gypsum Board
	09 29 Gypsum Board



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0007 SF 4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	9.30	2.70
Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
For Horizontal Installation Up To 10' High, Add	1.83	
For Horizontal Installation >10' High, Add	2.69	
For Walls >10' High, Add	0.43	
For Up To 128, Add	2.94	
For >128 To 320, Add	1.74	
For Glass Mat Surfaces, Add	0.32	

09 30 Tiling ⁽⁰⁹⁾

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling ^(09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling ^(09 30 13)

09 30 13 00-0002 SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	17.16	3.18
Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
For Up To 50, Add	9.05	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.64	
For High-Modulus, High-Strength Epoxy Grout, Add	1.40	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.57	
09 30 13 00-0003 SF Less Than 8" x 8", Mounted, Ceramic Floor Tile	11.77	3.18
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
For Up To 50, Add	7.71	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.64	
For High-Modulus, High-Strength Epoxy Grout, Add	1.40	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.57	
09 30 13 00-0004 SF 8" x 8" And Larger Unmounted Ceramic Floor Tile	13.36	1.99
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
For Up To 50, Add	9.30	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.81	
09 30 13 00-0005 SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	18.51	3.85
Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
For Up To 50, Add	10.40	
For >50 To 250, Add	1.54	
For >1,000, Deduct	-0.77	
For High-Modulus, High-Strength Epoxy Grout, Add	1.61	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.78	
09 30 13 00-0006 SF Less than 8" x 8" Mounted Ceramic Wall Tile	13.12	3.85
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
For Up To 50, Add	9.06	
For >50 To 250, Add	1.54	
For >1,000, Deduct	-0.77	
For High-Modulus, High-Strength Epoxy Grout, Add	1.61	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.78	
09 30 13 00-0007 SF 8" x 8" And Larger Unmounted Ceramic Wall Tile	15.16	2.44
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
For Up To 50, Add	11.10	
For >50 To 250, Add	1.95	
For >1,000, Deduct	-0.97	
For High-Modulus, High-Strength Epoxy Grout, Add	1.91	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.08	
09 30 13 00-0008 SF Less than 8" x 8" Mounted Ceramic Ceiling Tile	18.77	6.68
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
For High-Modulus, High-Strength Epoxy Grout, Add	2.45	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.62	
For Up To 50, Add	14.71	
For >50 To 250, Add	2.67	
For >1,000, Deduct	-1.34	
09 30 13 00-0009 SF 8" x 8" And Larger Unmounted Ceramic Ceiling Tile	21.45	4.00
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
For High-Modulus, High-Strength Epoxy Grout, Add	2.85	
For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	3.02	
For Up To 50, Add	17.39	
For >50 To 250, Add	3.21	
For >1,000, Deduct	-1.60	



Finishes	09	09
Tiling	09 30	
Ceramic Tiling	09 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0010 LF 4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	12.46 1.89 1.98	2.78
09 30 13 00-0011 LF 6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	20.70 1.89 1.98	2.78
09 30 13 00-0012 LF 6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	23.31 1.89 1.98	2.78
09 30 13 00-0013 EA 6" High, Unpolished Ceramic Cove Base Outer Corner.....	18.54	0.61
09 30 13 00-0014 Residential Ceramic Tiling <small>(09 30 13)</small>		
09 30 13 00-0015 SF Mounted Ceramic Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	9.77 7.21 1.27 -0.64 1.40	3.18
09 30 13 00-0016 SF Mounted Ceramic Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	11.12 8.56 1.54 -0.77 1.61	3.85
09 30 13 00-0017 SF 2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	12.09 7.79 1.27 -0.64 1.40	3.18
09 30 16 Quarry Tiling <small>(09 30)</small>		
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
09 30 16 00-0001 SF Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	12.84 9.88 1.78 -0.89 1.78 1.95	2.24
09 30 16 00-0002 SF Glazed Quarry Floor Tile <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	25.36 13.01 1.78 -0.89 1.78 1.95	2.24
09 30 16 00-0003 SF Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	14.63 11.67 2.14 -1.07 2.05 2.22	2.64
09 30 16 00-0004 SF Glazed Quarry Wall Tile..... <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	27.15 14.80 2.14 -1.07 2.05 2.22	2.64
09 30 16 00-0005 LF 6" High Unglazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	18.03 1.98 2.07	2.94
09 30 16 00-0006 LF 6" High Glazed Quarry Tile Cove Base Or Trim <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	38.54 1.98 2.07	2.94
09 30 33 Stone Tiling <small>(09 30)</small>		
Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
09 30 33 00-0001 Marble Floor Tile <small>(09 30 33)</small>		
09 30 33 00-0002 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom" <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	11.63 8.86 1.59 -0.79 1.64 1.00	1.99

09 Finishes

09 30 Tiling

09 30 33 Stone Tiling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0003	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown".....	11.98	1.99
			<i>For Up To 50, Add</i>	8.95	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0004	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	12.16	1.99
			<i>For Up To 50, Add</i>	9.00	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0005	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe".....	12.24	1.99
			<i>For Up To 50, Add</i>	9.02	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0006	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	12.29	1.99
			<i>For Up To 50, Add</i>	9.03	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0007	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed".....	12.37	1.99
			<i>For Up To 50, Add</i>	9.05	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0008	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula".....	12.56	1.99
			<i>For Up To 50, Add</i>	9.10	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0009	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green".....	13.76	1.99
			<i>For Up To 50, Add</i>	9.40	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0010	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	13.89	1.99
			<i>For Up To 50, Add</i>	9.43	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0011	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream".....	14.14	1.99
			<i>For Up To 50, Add</i>	9.49	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0012	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic".....	14.42	1.99
			<i>For Up To 50, Add</i>	9.56	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0013	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara".....	14.61	1.99
			<i>For Up To 50, Add</i>	9.61	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0014	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	15.27	1.99
			<i>For Up To 50, Add</i>	9.77	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0015	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest".....	16.51	1.99
			<i>For Up To 50, Add</i>	10.08	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0016	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato".....	16.59	1.99
			<i>For Up To 50, Add</i>	10.10	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	



Finishes	09	09
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0017 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White".....	17.52	1.99
For Up To 50, Add	10.34	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold".....	17.83	1.99
For Up To 50, Add	10.41	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0019 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo".....	17.96	1.99
For Up To 50, Add	10.45	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique".....	18.17	1.99
For Up To 50, Add	10.50	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	19.89	1.99
For Up To 50, Add	10.93	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona".....	20.87	1.99
For Up To 50, Add	11.17	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0023 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante".....	21.13	1.99
For Up To 50, Add	11.24	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0024 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light".....	21.26	1.99
For Up To 50, Add	11.27	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0025 Granite Floor Tile <small>(09 30 33)</small>		
09 30 33 00-0026 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray".....	10.71	1.99
For Up To 50, Add	8.63	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0027 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower".....	11.37	1.99
For Up To 50, Add	8.80	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0028 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow".....	11.90	1.99
For Up To 50, Add	8.93	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0029 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black".....	14.01	1.99
For Up To 50, Add	9.46	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0030 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown".....	14.42	1.99
For Up To 50, Add	9.56	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes

09 30 Tiling

09 30 33 Stone Tiling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0031	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	14.80	1.99
			<i>For Up To 50, Add</i>	9.66	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0032	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	15.19	1.99
			<i>For Up To 50, Add</i>	9.75	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0033	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	15.67	1.99
			<i>For Up To 50, Add</i>	9.87	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0034	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	16.12	1.99
			<i>For Up To 50, Add</i>	9.99	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0035	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	16.59	1.99
			<i>For Up To 50, Add</i>	10.10	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0036	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	17.04	1.99
			<i>For Up To 50, Add</i>	10.22	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0037	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	17.57	1.99
			<i>For Up To 50, Add</i>	10.35	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0038	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	18.10	1.99
			<i>For Up To 50, Add</i>	10.48	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0039	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	19.94	1.99
			<i>For Up To 50, Add</i>	10.94	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0040			Slate Floor Tile <small>(09 30 33)</small>		
09 30 33 00-0041	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	9.92	1.99
			<i>For Up To 50, Add</i>	8.44	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0042	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	10.26	1.99
			<i>For Up To 50, Add</i>	8.52	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0043	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	10.45	1.99
			<i>For Up To 50, Add</i>	8.57	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0044	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	10.45	1.99
			<i>For Up To 50, Add</i>	8.57	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.64	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	



Finishes	09	09
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0045 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend".....	10.58	1.99
For Up To 50, Add	8.60	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow".....	10.97	1.99
For Up To 50, Add	8.70	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite".....	11.37	1.99
For Up To 50, Add	8.80	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite".....	11.50	1.99
For Up To 50, Add	8.83	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0049 Travertine Floor Tile (09 30 33)		
09 30 33 00-0050 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic".....	11.37	1.99
For Up To 50, Add	8.80	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut".....	11.77	1.99
For Up To 50, Add	8.90	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0052 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold".....	12.03	1.99
For Up To 50, Add	8.96	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory".....	12.42	1.99
For Up To 50, Add	9.06	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce".....	12.56	1.99
For Up To 50, Add	9.10	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique".....	12.69	1.99
For Up To 50, Add	9.13	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0056 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream".....	13.95	1.99
For Up To 50, Add	9.44	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0057 Limestone Floor Tile (09 30 33)		
09 30 33 00-0058 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold".....	13.88	1.99
For Up To 50, Add	9.43	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige".....	14.27	1.99
For Up To 50, Add	9.52	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes

09 30 Tiling

09 30 33 Stone Tiling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0060 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	16.33	1.99
For Up To 50, Add	10.04	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0061 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	17.57	1.99
For Up To 50, Add	10.35	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0062 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone"	17.57	1.99
For Up To 50, Add	10.35	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0063 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	17.96	1.99
For Up To 50, Add	10.45	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0064 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	19.41	1.99
For Up To 50, Add	10.81	
For >50 To 250, Add	1.59	
For >1,000, Deduct	-0.79	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

09 31 Thin-Set Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling (09 31)

09 31 13 00-0001 Thin-Set Ceramic Tiling (09 31 13)

09 31 13 00-0002 SF Thin Set - Latex Portland Cement Mortar	1.82	1.05
For Up To 50, Add	1.65	
For >50 To 250, Add	0.32	
For >1,000, Deduct	-0.16	
09 31 13 00-0003 SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	1.01	
For Up To 50, Add	1.01	
For >50 To 250, Add	0.20	
For >1,000, Deduct	-0.10	

09 32 Mortar-Bed Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling (09 32)

09 32 13 00-0001 Mortar-Bed Ceramic Tiling (09 32 13)

09 32 13 00-0002 SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed	5.19	2.12
Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
For Up To 50, Add	3.68	
For >50 To 250, Add	0.64	
For >1,000, Deduct	-0.32	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0003 SF 1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	7.45	2.83
Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
For Up To 50, Add	5.04	
For >50 To 250, Add	0.85	
For >1,000, Deduct	-0.42	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0004 SF 3/4" Portland Cement Plaster Scratch Coat for Walls	15.19	6.35
Note: Includes 15 LB felt and expanded metal lath.		
For Up To 50, Add	13.33	
For >50 To 250, Add	2.54	
For >1,000, Deduct	-1.27	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
For Installation Without Felt And Metal Lath, Deduct	-2.24	

09 34 Waterproofing-Membrane Tiling (09 30)

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds (09 34)

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.



		Finishes	09
		Tiling	09 30
		Waterproofing-Membrane Tiling	09 34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0003	EA		48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,404.82	
09 34 00 00-0004	EA		32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,627.77	
09 34 00 00-0005	EA		72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	2,410.44	
09 34 00 00-0006			Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001)		
Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.					
09 34 00 00-0007	EA		15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	170.48	
09 34 00 00-0008	EA		4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122).....	162.66	
09 34 00 00-0009			Prefabricated Polystyrene Shower Benches (09 34 00 00-0001)		
Note: Prefabricated shower bench for tiling over. Excludes tile.					
09 34 00 00-0010	EA		16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	349.74	
09 34 00 00-0011	EA		32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	701.97	
09 34 00 00-0012	EA		48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	866.35	
09 34 00 00-0013	EA		32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	631.53	
09 34 00 00-0014	EA		42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	701.97	
09 34 00 00-0015	EA		48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	748.94	
09 34 00 00-0016			Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)		
Note: Prefabricated shower tray for tiling over. Excludes tile.					
09 34 00 00-0017	EA		32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	299.63	
09 34 00 00-0018	EA		48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	299.63	
09 34 00 00-0019	EA		72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	464.01	
09 34 00 00-0020			Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)		
09 34 00 00-0021	SF		1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	5.22	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	6.04	
09 34 00 00-0023			Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)		
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	4.59	
09 35			Chemical-Resistant Tiling (09 30)		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.					
09 35 13			Chemical-Resistant Ceramic Tiling (09 35)		
09 35 13 00-0001			Chemical-Resistant Ceramic Tiling (09 35 13)		
09 35 13 00-0002	SF		Thin Set - Epoxy Mortar.....	6.04	1.40
Note: Impact and chemical resistant.					
For Up To 50, Add				3.10	
For >50 To 250, Add				0.42	
For >1,000, Deduct				-0.21	
09 39			Tiling Transitions (09 30)		
09 39 00 00-0001			Tile Waterproofing And Crack Prevention (09 39)		
09 39 00 00-0002	CSF		30 Mil Waterproofing And Crack Prevention Membrane; RedGard.....	124.23	
09 39 00 00-0003			Waterproof Strip Membranes (Schluter® KERDI) (09 39)		
09 39 00 00-0004	LF		5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND).....	5.63	
09 39 00 00-0005	LF		10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX).....	11.89	
09 39 00 00-0006			Coved Shaped Transition Profiles For Floor To Wall For Tile (09 39)		
09 39 00 00-0007	LF		5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-AHK).....	7.81	
09 39 00 00-0008	LF		3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-AHK).....	7.78	
09 39 00 00-0009	LF		1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-AHK).....	8.08	
09 39 00 00-0010	LF		5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-PHK).....	7.42	
09 39 00 00-0011	LF		3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-PHK).....	7.72	
09 39 00 00-0012			Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile (09 39)		
09 39 00 00-0013	LF		9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-EHK).....	16.09	
09 39 00 00-0014	LF		11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-EHK).....	16.55	
09 39 00 00-0015	LF		7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-EHK).....	17.06	

60	09 Finishes
	09 30 Tiling
	09 39 Tiling Transitions



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

09 39 00 00-0016	Tile Substrate (Schluter® KERDI BOARD) (09 39)		
09 39 00 00-0017	SF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.52	0.89
09 39 00 00-0018	SF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	10.73	1.02

09 39 00 00-0019	Floor Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0020	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.08	
09 39 00 00-0021	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.19	
09 39 00 00-0022	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.33	
09 39 00 00-0023	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.54	
09 39 00 00-0024	LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.41	
09 39 00 00-0025	LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.58	
09 39 00 00-0026	LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.70	
09 39 00 00-0027	LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.83	
09 39 00 00-0028	LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	4.27	
09 39 00 00-0029	LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	5.83	
09 39 00 00-0030	LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.43	
09 39 00 00-0031	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.71	
09 39 00 00-0032	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.99	
09 39 00 00-0033	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	7.24	
09 39 00 00-0034	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.62	
09 39 00 00-0035	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.90	
09 39 00 00-0036	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	7.16	

09 39 00 00-0037	Outside Wall Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0038	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	5.59	
09 39 00 00-0039	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	5.89	
09 39 00 00-0040	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	6.32	
09 39 00 00-0041	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	6.76	
09 39 00 00-0042	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	6.18	
09 39 00 00-0043	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	6.74	
09 39 00 00-0044	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	7.30	
09 39 00 00-0045	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	8.27	

09 50 Ceilings (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels (09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels (09 51 13 00-0001)

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF 2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.91	0.51
	For Up To 50, Add	2.00	
	For >50 To 200, Add	1.22	
	For >200 To 500, Add	0.53	
	For >2,500 To 4,000, Deduct	-0.22	
	For >4,000 To 5,000, Deduct	-0.45	
	For >5,000, Deduct	-0.71	
	For Individual Room Quantities <495, Add	1.22	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0004	SF 2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.85	0.51
	For Up To 50, Add	1.99	
	For >50 To 200, Add	1.22	
	For >200 To 500, Add	0.53	
	For >2,500 To 4,000, Deduct	-0.22	
	For >4,000 To 5,000, Deduct	-0.44	
	For >5,000, Deduct	-0.71	
	For Individual Room Quantities <495, Add	1.22	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0005	SF 2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.42	0.63
	For Up To 50, Add	2.13	
	For >50 To 200, Add	1.30	
	For >200 To 500, Add	0.56	
	For >2,500 To 4,000, Deduct	-0.24	
	For >4,000 To 5,000, Deduct	-0.47	
	For >5,000, Deduct	-0.75	
	For Individual Room Quantities <495, Add	1.30	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.13	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0006 SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.52	0.63
For Up To 50, Add	2.14	
For >50 To 200, Add	1.31	
For >200 To 500, Add	0.57	
For >2,500 To 4,000, Deduct	-0.24	
For >4,000 To 5,000, Deduct	-0.48	
For >5,000, Deduct	-0.76	
For Individual Room Quantities <495, Add	1.31	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0007 SF 2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	9.78	0.63
For Up To 50, Add	2.18	
For >50 To 200, Add	1.33	
For >200 To 500, Add	0.58	
For >2,500 To 4,000, Deduct	-0.24	
For >4,000 To 5,000, Deduct	-0.49	
For >5,000, Deduct	-0.78	
For Individual Room Quantities <495, Add	1.33	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0008 SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	9.77	0.63
For Up To 50, Add	2.18	
For >50 To 200, Add	1.33	
For >200 To 500, Add	0.58	
For >2,500 To 4,000, Deduct	-0.24	
For >4,000 To 5,000, Deduct	-0.49	
For >5,000, Deduct	-0.78	
For Individual Room Quantities <495, Add	1.33	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0009 SF 2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.18	0.63
For Up To 50, Add	2.24	
For >50 To 200, Add	1.37	
For >200 To 500, Add	0.60	
For >2,500 To 4,000, Deduct	-0.25	
For >4,000 To 5,000, Deduct	-0.51	
For >5,000, Deduct	-0.81	
For Individual Room Quantities <495, Add	1.37	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0010 SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.16	0.63
For Up To 50, Add	2.24	
For >50 To 200, Add	1.37	
For >200 To 500, Add	0.60	
For >2,500 To 4,000, Deduct	-0.25	
For >4,000 To 5,000, Deduct	-0.51	
For >5,000, Deduct	-0.81	
For Individual Room Quantities <495, Add	1.37	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0011 Mineral Fiber Panels (09 51 13)		
09 51 13 00-0012 Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0011)		
Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.80	0.51
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0014 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.78	0.76
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.06	0.51
			<i>For Up To 50, Add</i>	1.12	
			<i>For >50 To 200, Add</i>	0.64	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.64	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.06	0.51
			<i>For Up To 50, Add</i>	1.12	
			<i>For >50 To 200, Add</i>	0.64	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.64	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0017	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.27	0.76
			<i>For Up To 50, Add</i>	1.15	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0018	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.28	0.76
			<i>For Up To 50, Add</i>	1.15	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0019	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.55	0.76
			<i>For Up To 50, Add</i>	1.19	
			<i>For >50 To 200, Add</i>	0.69	
			<i>For >200 To 500, Add</i>	0.26	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.18	
			<i>For >5,000, Deduct</i>	-0.31	
			<i>For Individual Room Quantities <495, Add</i>	0.69	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0020	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.04	0.51
			<i>For Up To 50, Add</i>	1.12	
			<i>For >50 To 200, Add</i>	0.63	
			<i>For >200 To 500, Add</i>	0.23	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.63	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0021	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.03	0.76
			<i>For Up To 50, Add</i>	1.11	
			<i>For >50 To 200, Add</i>	0.63	
			<i>For >200 To 500, Add</i>	0.23	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.63	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0022	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.45	0.51
			For Up To 50, Add	1.18	
			For >50 To 200, Add	0.68	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.68	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0023	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.80	0.51
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0024	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.78	0.51
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0025	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.06	0.51
			For Up To 50, Add	1.12	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.27	
			For Individual Room Quantities <495, Add	0.64	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0026	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.82	0.51
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0027	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.81	0.51
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0028	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.20	0.51
			For Up To 50, Add	1.14	
			For >50 To 200, Add	0.65	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.65	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0029	SF		2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.20	0.51
			<i>For Up To 50, Add</i>	1.14	
			<i>For >50 To 200, Add</i>	0.65	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000, Deduct</i>	-0.28	
			<i>For Individual Room Quantities <495, Add</i>	0.65	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0030	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.35	0.51
			<i>For Up To 50, Add</i>	1.16	
			<i>For >50 To 200, Add</i>	0.67	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.67	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0031	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.90	0.51
			<i>For Up To 50, Add</i>	1.25	
			<i>For >50 To 200, Add</i>	0.72	
			<i>For >200 To 500, Add</i>	0.28	
			<i>For >2,500 To 4,000, Deduct</i>	-0.10	
			<i>For >4,000 To 5,000, Deduct</i>	-0.20	
			<i>For >5,000, Deduct</i>	-0.33	
			<i>For Individual Room Quantities <495, Add</i>	0.72	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0032	SF		2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.27	0.51
			<i>For Up To 50, Add</i>	1.15	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0033	SF		2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.92	0.51
			<i>For Up To 50, Add</i>	1.25	
			<i>For >50 To 200, Add</i>	0.72	
			<i>For >200 To 500, Add</i>	0.28	
			<i>For >2,500 To 4,000, Deduct</i>	-0.10	
			<i>For >4,000 To 5,000, Deduct</i>	-0.20	
			<i>For >5,000, Deduct</i>	-0.34	
			<i>For Individual Room Quantities <495, Add</i>	0.72	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0034	SF		30" x 60" x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.08	0.51
			<i>For Up To 50, Add</i>	1.12	
			<i>For >50 To 200, Add</i>	0.64	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.64	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0035	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.35	0.76
			<i>For Up To 50, Add</i>	1.16	
			<i>For >50 To 200, Add</i>	0.67	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.67	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0036 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.29	0.76
For Up To 50, Add	1.15	
For >50 To 200, Add	0.66	
For >200 To 500, Add	0.25	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.29	
For Individual Room Quantities <495, Add	0.66	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0037 SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.68	0.76
For Up To 50, Add	1.21	
For >50 To 200, Add	0.70	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.32	
For Individual Room Quantities <495, Add	0.70	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0038 SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.68	0.76
For Up To 50, Add	1.21	
For >50 To 200, Add	0.70	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.32	
For Individual Room Quantities <495, Add	0.70	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0039 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	8.47	0.89
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0040 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.52	0.51
For Up To 50, Add	1.19	
For >50 To 200, Add	0.68	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.31	
For Individual Room Quantities <495, Add	0.68	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0041 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.51	0.51
For Up To 50, Add	1.19	
For >50 To 200, Add	0.68	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.30	
For Individual Room Quantities <495, Add	0.68	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0042 SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.08	0.51
For Up To 50, Add	1.27	
For >50 To 200, Add	0.74	
For >200 To 500, Add	0.29	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.20	
For >5,000, Deduct	-0.35	
For Individual Room Quantities <495, Add	0.74	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0043 SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.75	0.51
For Up To 50, Add	1.22	
For >50 To 200, Add	0.71	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.32	
For Individual Room Quantities <495, Add	0.71	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0044	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.70	0.51
			For Up To 50, Add	1.22	
			For >50 To 200, Add	0.70	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.70	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0045	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.70	0.51
			For Up To 50, Add	1.22	
			For >50 To 200, Add	0.70	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.70	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0046	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.88	0.51
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.72	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.72	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0047	SF		2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.02	0.51
			For Up To 50, Add	1.26	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.34	
			For Individual Room Quantities <495, Add	0.73	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0048	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.23	0.51
			For Up To 50, Add	1.29	
			For >50 To 200, Add	0.75	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.36	
			For Individual Room Quantities <495, Add	0.75	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0049	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.20	0.51
			For Up To 50, Add	1.29	
			For >50 To 200, Add	0.75	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.36	
			For Individual Room Quantities <495, Add	0.75	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0050	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.09	0.76
			For Up To 50, Add	1.27	
			For >50 To 200, Add	0.74	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.74	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0051 SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.08	0.76
For Up To 50, Add	1.27	
For >50 To 200, Add	0.74	
For >200 To 500, Add	0.29	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.20	
For >5,000, Deduct	-0.35	
For Individual Room Quantities <495, Add	0.74	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0052 SF 2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.40	0.51
For Up To 50, Add	1.32	
For >50 To 200, Add	0.77	
For >200 To 500, Add	0.30	
For >2,500 To 4,000, Deduct	-0.11	
For >4,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.37	
For Individual Room Quantities <495, Add	0.77	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0053 SF 2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.31	0.51
For Up To 50, Add	1.31	
For >50 To 200, Add	0.76	
For >200 To 500, Add	0.30	
For >2,500 To 4,000, Deduct	-0.11	
For >4,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.36	
For Individual Room Quantities <495, Add	0.76	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0054 SF 2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.23	0.76
For Up To 50, Add	1.44	
For >50 To 200, Add	0.85	
For >200 To 500, Add	0.34	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.43	
For Individual Room Quantities <495, Add	0.85	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0055 SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.19	0.76
For Up To 50, Add	1.44	
For >50 To 200, Add	0.85	
For >200 To 500, Add	0.34	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.43	
For Individual Room Quantities <495, Add	0.85	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0056 SF 2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.23	0.76
For Up To 50, Add	1.44	
For >50 To 200, Add	0.85	
For >200 To 500, Add	0.34	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.43	
For Individual Room Quantities <495, Add	0.85	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0057 SF 2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.19	0.76
For Up To 50, Add	1.44	
For >50 To 200, Add	0.85	
For >200 To 500, Add	0.34	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.43	
For Individual Room Quantities <495, Add	0.85	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0058	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look).....		5.71	0.51
		For Up To 50, Add		1.52	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.29	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0059	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		5.67	0.76
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0060	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		5.66	0.76
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		6.10	0.51
		For Up To 50, Add		1.58	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		6.10	0.51
		For Up To 50, Add		1.58	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0063	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....		5.69	0.51
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0064	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....		5.69	0.51
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0065 SF 2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	5.69	0.51
For Up To 50, Add	1.51	
For >50 To 200, Add	0.90	
For >200 To 500, Add	0.37	
For >2,500 To 4,000, Deduct	-0.14	
For >4,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.47	
For Individual Room Quantities <495, Add	0.90	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0066 SF 2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	5.69	0.51
For Up To 50, Add	1.51	
For >50 To 200, Add	0.90	
For >200 To 500, Add	0.37	
For >2,500 To 4,000, Deduct	-0.14	
For >4,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.47	
For Individual Room Quantities <495, Add	0.90	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0067 SF 2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.12	0.63
For Up To 50, Add	1.63	
For >50 To 200, Add	0.97	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.15	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.97	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.80	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0068 SF 2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.12	0.63
For Up To 50, Add	1.63	
For >50 To 200, Add	0.97	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.15	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.97	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.80	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0069 SF 2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.12	0.63
For Up To 50, Add	1.63	
For >50 To 200, Add	0.97	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.15	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.97	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.80	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0070 SF 2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.12	0.63
For Up To 50, Add	1.63	
For >50 To 200, Add	0.97	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.15	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.97	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.80	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0071 SF 2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....	6.39	0.51
For Up To 50, Add	1.62	
For >50 To 200, Add	0.97	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.32	
For >5,000, Deduct	-0.52	
For Individual Room Quantities <495, Add	0.97	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0072	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.39	0.51
			For Up To 50, Add	1.62	
			For >50 To 200, Add	0.97	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.32	
			For >5,000, Deduct	-0.52	
			For Individual Room Quantities <495, Add	0.97	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0073	SF		2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.39	0.51
			For Up To 50, Add	1.62	
			For >50 To 200, Add	0.97	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.32	
			For >5,000, Deduct	-0.52	
			For Individual Room Quantities <495, Add	0.97	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0074	SF		2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.24	0.51
			For Up To 50, Add	1.80	
			For >50 To 200, Add	1.08	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.59	
			For Individual Room Quantities <495, Add	1.08	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0075	SF		2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.14	0.51
			For Up To 50, Add	1.78	
			For >50 To 200, Add	1.07	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.58	
			For Individual Room Quantities <495, Add	1.07	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0076	SF		2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.19	0.51
			For Up To 50, Add	1.79	
			For >50 To 200, Add	1.08	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.58	
			For Individual Room Quantities <495, Add	1.08	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0077	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	6.73	0.51
			For Up To 50, Add	1.67	
			For >50 To 200, Add	1.00	
			For >200 To 500, Add	0.42	
			For >2,500 To 4,000, Deduct	-0.17	
			For >4,000 To 5,000, Deduct	-0.34	
			For >5,000, Deduct	-0.55	
			For Individual Room Quantities <495, Add	1.00	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0078	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	6.61	0.51
			For Up To 50, Add	1.65	
			For >50 To 200, Add	0.99	
			For >200 To 500, Add	0.41	
			For >2,500 To 4,000, Deduct	-0.17	
			For >4,000 To 5,000, Deduct	-0.33	
			For >5,000, Deduct	-0.54	
			For Individual Room Quantities <495, Add	0.99	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	



	Finishes	09
	Ceilings	09 50
	Acoustical Ceilings	09 51

09

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0079	SF 2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.31	0.63
	<i>For Up To 50, Add</i>	1.81	
	<i>For >50 To 200, Add</i>	1.09	
	<i>For >200 To 500, Add</i>	0.45	
	<i>For >2,500 To 4,000, Deduct</i>	-0.18	
	<i>For >4,000 To 5,000, Deduct</i>	-0.37	
	<i>For >5,000, Deduct</i>	-0.59	
	<i>For Individual Room Quantities <495, Add</i>	1.09	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0080	SF 2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.31	0.63
	<i>For Up To 50, Add</i>	1.81	
	<i>For >50 To 200, Add</i>	1.09	
	<i>For >200 To 500, Add</i>	0.45	
	<i>For >2,500 To 4,000, Deduct</i>	-0.18	
	<i>For >4,000 To 5,000, Deduct</i>	-0.37	
	<i>For >5,000, Deduct</i>	-0.59	
	<i>For Individual Room Quantities <495, Add</i>	1.09	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0081	SF 2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.31	0.51
	<i>For Up To 50, Add</i>	1.81	
	<i>For >50 To 200, Add</i>	1.09	
	<i>For >200 To 500, Add</i>	0.45	
	<i>For >2,500 To 4,000, Deduct</i>	-0.18	
	<i>For >4,000 To 5,000, Deduct</i>	-0.37	
	<i>For >5,000, Deduct</i>	-0.59	
	<i>For Individual Room Quantities <495, Add</i>	1.09	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0082	SF 2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.31	0.63
	<i>For Up To 50, Add</i>	1.81	
	<i>For >50 To 200, Add</i>	1.09	
	<i>For >200 To 500, Add</i>	0.45	
	<i>For >2,500 To 4,000, Deduct</i>	-0.18	
	<i>For >4,000 To 5,000, Deduct</i>	-0.37	
	<i>For >5,000, Deduct</i>	-0.59	
	<i>For Individual Room Quantities <495, Add</i>	1.09	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0083	SF 20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617).....	2.73	0.51
	<i>For Individual Room Quantities <495, Add</i>	0.60	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Vertical Application, Add</i>	0.74	
	<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0084	SF 20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627).....	2.81	0.51
	<i>For Individual Room Quantities <495, Add</i>	0.61	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Vertical Application, Add</i>	0.74	
	<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0085	SF 2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742).....	4.11	0.51
	<i>For Individual Room Quantities <495, Add</i>	0.74	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Vertical Application, Add</i>	0.74	
	<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0086	Wood Fiber Panels <small>(09 51 13)</small>		
09 51 13 00-0087	SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	6.78	0.76
	<i>For Up To 50, Add</i>	1.92	
	<i>For >50 To 200, Add</i>	1.13	
	<i>For >200 To 500, Add</i>	0.45	
	<i>For >2,500 To 4,000, Deduct</i>	-0.17	
	<i>For >4,000 To 5,000, Deduct</i>	-0.34	
	<i>For >5,000, Deduct</i>	-0.57	
	<i>For Individual Room Quantities <495, Add</i>	1.13	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Ceilings >10' High, Add</i>	0.17	
09 51 13 00-0088	SF 2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	6.55	0.76
	<i>For Up To 50, Add</i>	1.79	
	<i>For >50 To 200, Add</i>	1.06	
	<i>For >200 To 500, Add</i>	0.43	
	<i>For >2,500 To 4,000, Deduct</i>	-0.16	
	<i>For >4,000 To 5,000, Deduct</i>	-0.33	
	<i>For >5,000, Deduct</i>	-0.54	
	<i>For Individual Room Quantities <495, Add</i>	1.06	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Ceilings >10' High, Add</i>	0.15	

09	09 Finishes
	09 50 Ceilings
	09 51 Acoustical Ceilings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0089 SF 2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.80	0.76
For Up To 50, Add	2.22	
For >50 To 200, Add	1.33	
For >200 To 500, Add	0.55	
For >2,500 To 4,000, Deduct	-0.22	
For >4,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.72	
For Individual Room Quantities <495, Add	1.33	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.17	
09 51 13 00-0090 SF 2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.57	0.76
For Up To 50, Add	2.10	
For >50 To 200, Add	1.26	
For >200 To 500, Add	0.53	
For >2,500 To 4,000, Deduct	-0.21	
For >4,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.69	
For Individual Room Quantities <495, Add	1.26	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0091 SF 2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	10.74	0.76
For Up To 50, Add	2.52	
For >50 To 200, Add	1.53	
For >200 To 500, Add	0.65	
For >2,500 To 4,000, Deduct	-0.27	
For >4,000 To 5,000, Deduct	-0.54	
For >5,000, Deduct	-0.86	
For Individual Room Quantities <495, Add	1.53	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.17	
09 51 13 00-0092 SF 2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	10.51	0.76
For Up To 50, Add	2.39	
For >50 To 200, Add	1.46	
For >200 To 500, Add	0.63	
For >2,500 To 4,000, Deduct	-0.26	
For >4,000 To 5,000, Deduct	-0.53	
For >5,000, Deduct	-0.84	
For Individual Room Quantities <495, Add	1.46	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0093 SF 2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	7.96	0.76
For Up To 50, Add	2.10	
For >50 To 200, Add	1.25	
For >200 To 500, Add	0.51	
For >2,500 To 4,000, Deduct	-0.20	
For >4,000 To 5,000, Deduct	-0.40	
For >5,000, Deduct	-0.65	
For Individual Room Quantities <495, Add	1.25	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.17	
09 51 13 00-0094 SF 2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	7.73	0.76
For Up To 50, Add	1.97	
For >50 To 200, Add	1.18	
For >200 To 500, Add	0.49	
For >2,500 To 4,000, Deduct	-0.19	
For >4,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.63	
For Individual Room Quantities <495, Add	1.18	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0095 Removal And Reinstallation Of Acoustical Ceiling Panels <small>(09 51 13)</small>		
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0096 SF Removal And Reinstallation Of Acoustical Panels Only	2.60	
For Up To 50, Add	1.43	
For >50 To 200, Add	0.78	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.26	
For Ceilings >10' High, Add	0.20	
09 51 23 Acoustical Tile Ceilings <small>(09 51)</small>		
Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings <small>(09 51 23)</small>		
09 51 23 00-0002 SF 12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	6.38	1.40
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.23	
For >50 To 200, Add	1.27	
For >200 To 500, Add	0.48	
For >2,500, Deduct	-0.32	
For Ceilings >10' High, Add	0.24	



			Finishes	09
			Ceilings	09 50
			Acoustical Ceilings	09 51

09

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 23 00-0003 SF 12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	7.58	1.40
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.41	
For >50 To 200, Add	1.39	
For >200 To 500, Add	0.54	
For >2,500, Deduct	-0.38	
For Placing Tiles In Suspended Ceiling System, Deduct	-0.50	
For Ceilings >10' High, Add	0.24	
09 51 23 00-0004 SF 12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	8.54	1.40
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.55	
For >50 To 200, Add	1.49	
For >200 To 500, Add	0.59	
For >2,500, Deduct	-0.43	
For Placing Tiles In Suspended Ceiling System, Deduct	-0.50	
For Ceilings >10' High, Add	0.24	
09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006 SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	5.88	1.40
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.15	
For >50 To 200, Add	1.22	
For >200 To 500, Add	0.45	
For >2,500, Deduct	-0.29	
For Ceilings >10' High, Add	0.24	
09 51 33 Acoustical Metal Pan Ceilings (09 51)		
09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)		
09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0002 SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	23.26	1.11
09 51 33 13-0003 SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	24.89	1.11
09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0005 SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.34	1.27
09 51 33 13-0006 SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.43	1.27
09 51 33 13-0007 SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	57.62	1.27
09 51 33 13-0008 SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.09	1.27
09 51 33 13-0009 SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.31	1.27
09 51 33 13-0010 SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.68	1.27
09 51 33 13-0011 SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	57.19	1.27
09 51 33 13-0012 SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.87	1.27
09 51 33 13-0013 SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.60	1.27
09 51 33 13-0014 SF 30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.05	1.27
09 51 33 13-0015 SF 30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	63.56	1.27
09 51 33 13-0016 SF 30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.73	1.27
09 51 33 13-0017 SF 30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.01	1.27
09 51 33 13-0018 SF 30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.81	1.27
09 51 33 13-0019 SF 30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	65.72	1.27
09 51 33 13-0020 SF 30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.49	1.27
09 51 33 13-0021 SF 12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.33	1.27
09 51 33 13-0022 SF 12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	34.94	1.27
09 51 33 13-0023 SF 12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	62.16	1.27
09 51 33 13-0024 SF 12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.97	1.27
09 51 33 13-0025 SF 12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.95	1.27
09 51 33 13-0026 SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	35.37	1.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0027 SF 12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	64.43	1.27
09 51 33 13-0028 SF 12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.95	1.27
09 51 33 13-0029 SF 24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.88	1.27
09 51 33 13-0030 SF 24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.96	1.27
09 51 33 13-0031 SF 24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	54.04	1.27
09 51 33 13-0032 SF 24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.66	1.27
09 51 33 13-0033 SF 24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.96	1.27
09 51 33 13-0034 SF 24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.74	1.27
09 51 33 13-0035 SF 24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	54.15	1.27
09 51 33 13-0036 SF 24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.66	1.27

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0003 SF 24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	18.10	0.96
For Walls >10' High, Add	3.62	
09 51 33 23-0004 SF 24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	20.53	0.96
For Walls >10' High, Add	4.11	
09 51 33 23-0005 SF 24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	30.25	0.96
For Walls >10' High, Add	6.05	
09 51 33 23-0006 SF 24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	25.66	0.96
For Walls >10' High, Add	5.13	
09 51 33 23-0007 SF 24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.55	0.96
For Walls >10' High, Add	5.51	
09 51 33 23-0008 SF 24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	43.48	0.96
For Walls >10' High, Add	8.70	
09 51 33 23-0009 SF 30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.13	0.96
For Walls >10' High, Add	5.43	
09 51 33 23-0010 SF 30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	33.70	0.96
For Walls >10' High, Add	6.74	
09 51 33 23-0011 SF 48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.28	0.96
For Walls >10' High, Add	5.46	
09 51 33 23-0012 SF 48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	33.90	0.96
For Walls >10' High, Add	6.78	
09 51 33 23-0013 SF 12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.42	0.96
For Walls >10' High, Add	5.48	
09 51 33 23-0014 SF 12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	33.76	0.96
For Walls >10' High, Add	6.75	
09 51 33 23-0015 SF 24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.42	0.96
For Walls >10' High, Add	5.48	
09 51 33 23-0016 SF 24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	34.03	0.96
For Walls >10' High, Add	6.81	

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0018 SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	23.42	0.96
For Walls >10' High, Add	4.68	
09 51 33 23-0019 SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	27.95	0.96
For Walls >10' High, Add	5.59	
09 51 33 23-0020 SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	30.00	0.96
For Walls >10' High, Add	6.00	
09 51 33 23-0021 SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	28.17	0.96
For Walls >10' High, Add	5.63	
09 51 33 23-0022 SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	28.92	0.96
For Walls >10' High, Add	5.78	
09 51 33 23-0023 SF 24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	30.65	0.96
For Walls >10' High, Add	6.13	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)

09 51 33 33-0003 SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.04	0.96
--	-------	------



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 33-0004	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	19.20	0.96
09 51 33 33-0005	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.20	0.96
09 51 33 33-0006	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	19.42	0.96
09 51 33 33-0007	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.01	0.96
09 51 33 33-0008	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.68	0.96

09 53 Acoustical Ceiling Suspension Assemblies (09 50)

09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)

09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF		1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	5.13	0.63
			Note: Excludes ceiling tile.		
			For Fastening To Concrete, Add	1.50	
			For Fastening To Steel, Add	1.66	
			For Vertical Application, Add	2.42	
			For Individual Room Quantities <495, Add	0.53	
			Note: For use with projects >500 SF		
			For Up To 50, Add	1.87	
			For >50 To 200, Add	1.07	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.30	
			For Ceilings >10' High, Add	0.21	
09 53 23 00-0003	SF		1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	4.13	0.63
			For UL Listed (Fire Guard), Add	0.27	
			For 1-1/2" Wide Faced Grid, Add	0.51	
			For Fastening To Concrete, Add	1.45	
			For Fastening To Steel, Add	1.61	
			For Vertical Application, Add	2.02	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.44	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.82	
			For Up To 50, Add	1.54	
			For >50 To 200, Add	0.88	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.25	
			For Ceilings >10' High, Add	0.17	
09 53 23 00-0004	SF		2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.45	0.63
			For UL Listed (Fire Guard), Add	0.20	
			For 1-1/2" Wide Faced Grid, Add	0.37	
			For Fastening To Concrete, Add	1.43	
			For Fastening To Steel, Add	1.59	
			For Vertical Application, Add	1.86	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.38	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.60	
			For Up To 50, Add	1.37	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.21	
			For Black Grid, Add	0.17	
			For Ceilings >10' High, Add	0.16	
			For Concealed Spline Grid, Add	0.54	

09	Finishes
09 50	Ceilings
09 53	Acoustical Ceiling Suspension Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0005 SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.86	0.63
For UL Listed (Fire Guard), Add	0.16	
For 1-1/2" Wide Faced Grid, Add	0.30	
For Fastening To Concrete, Add	1.40	
For Fastening To Steel, Add	1.56	
For Vertical Application, Add	1.78	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.32	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.49	
For Up To 50, Add	1.14	
For >50 To 200, Add	0.64	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.18	
For Black Grid, Add	0.14	
For Ceilings >10' High, Add	0.13	
For Concealed Spline Grid, Add	0.45	
09 53 23 00-0006 SF 1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.52	0.63
For UL Listed (Fire Guard), Add	0.15	
For 1-1/2" Wide Faced Grid, Add	0.28	
For Fastening To Concrete, Add	1.37	
For Fastening To Steel, Add	1.53	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.28	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.45	
For Up To 50, Add	0.99	
For >50 To 200, Add	0.56	
For >200 To 500, Add	0.20	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.15	
For Ceilings >10' High, Add	0.11	
09 53 23 00-0007 SF 2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.73	0.63
For UL Listed (Fire Guard), Add	0.24	
For Fastening To Concrete, Add	1.43	
For Fastening To Steel, Add	1.59	
For Vertical Application, Add	1.86	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.40	
Note: For use with projects >500 SF		
For Up To 50, Add	1.41	
For >50 To 200, Add	0.80	
For >200 To 500, Add	0.29	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.22	
For Black Grid, Add	0.20	
For Ceilings >10' High, Add	0.16	
09 53 23 00-0008 SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.08	0.63
For UL Listed (Fire Guard), Add	0.20	
For Fastening To Concrete, Add	1.40	
For Fastening To Steel, Add	1.56	
For Vertical Application, Add	1.78	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.33	
Note: For use with projects >500 SF		
For Up To 50, Add	1.17	
For >50 To 200, Add	0.66	
For >200 To 500, Add	0.24	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.19	
For Black Grid, Add	0.16	
For Ceilings >10' High, Add	0.13	
09 53 23 00-0009 Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0010 LF Pencil Rod Support For Suspended Ceiling with Accessories	1.53	
09 53 23 00-0011 LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.71	1.78
For 304 Stainless Steel, Add	2.96	
For 316 Stainless Steel, Add	3.33	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
09 53 23 00-0012 LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	5.29	1.90
For 304 Stainless Steel, Add	4.50	
For 316 Stainless Steel, Add	5.06	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.98	
09 53 23 00-0013 LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	7.35	2.03
For 304 Stainless Steel, Add	9.01	
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0014	EA		2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee .....7.96 Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		0.37
09 53 23 00-0015	EA		Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum .....34.55 Note: Includes vertical center strut and four 12 gauge diagonal wires.		9.48
09 53 23 00-0016	EA		Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling .....80.32		25.82
09 53 23 00-0017	EA		>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling .....83.15		26.31
09 53 23 00-0018	EA		>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling .....92.67		26.31
09 53 23 00-0019 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53					
23)					
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.					
09 53 23 00-0020	SF		Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly .....3.50 Note: Suspension system tie wire, wall angles and bracing to remain in place.		
			For Up To 50, Add	1.93	
			For >50 To 200, Add	1.05	
			For >200 To 500, Add	0.35	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.26	
			For Ceilings >10' High, Add	0.26	
09 53 23 00-0021	SF		Removal And Reinstallation Of Grid System Assembly .....1.53 Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.		
			For Up To 50, Add	0.84	
			For >50 To 200, Add	0.46	
			For >200 To 500, Add	0.15	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.08	
			For >5,000, Deduct	-0.11	
			For Ceilings >10' High, Add	0.11	
09 54 Specialty Ceilings (09 50)					
09 54 16 Luminous Ceilings (09 54)					
09 54 16 00-0001 Translucent Ceiling Panels (09 54 16)					
09 54 16 00-0002	SF		2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel .....3.31 For Ceilings >10' High, Add	0.11	0.63
			For >100 To 200, Deduct	-0.13	
			For >200 To 300, Deduct	-0.35	
			For >300, Deduct	-0.61	
09 54 23 Linear Metal Ceilings (09 54)					
09 54 23 00-0001 Linear Ceiling Systems (09 54 23)					
09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)					
Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.					
09 54 23 00-0003	SF		4" Panel Width, 0.032" Aluminum, Linear Ceiling System .....23.35		2.75
			For Up To 50, Add	6.13	
			For >50 To 200, Add	3.65	
			For >200 To 500, Add	1.50	
			For >2,500, Deduct	-1.17	
			For Ceilings >10' High, Add	0.49	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-4.15	
			For Curved Ceilings, Add	1.54	
09 54 23 00-0004	SF		8" Panel Width, 0.032" Aluminum, Linear Ceiling System .....18.91		2.75
			For Up To 50, Add	5.41	
			For >50 To 200, Add	3.18	
			For >200 To 500, Add	1.27	
			For >2,500, Deduct	-0.95	
			For Ceilings >10' High, Add	0.48	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-2.08	
			For Curved Ceilings, Add	1.51	
09 54 23 00-0005	SF		12" Panel Width, 0.032" Aluminum, Linear Ceiling System .....17.19		2.75
			For Up To 50, Add	5.10	
			For >50 To 200, Add	2.98	
			For >200 To 500, Add	1.18	
			For >2,500, Deduct	-0.86	
			For Ceilings >10' High, Add	0.47	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-1.37	
			For Curved Ceilings, Add	1.48	
09 54 23 00-0006 Tin Ceilings (09 54 23)					
09 54 23 00-0007	SF		2' x 2' Tin Ceiling Embossed Panels .....22.52		4.25
			For Up To 50, Add	5.43	
			For >50 To 200, Add	3.28	
			For >200 To 500, Add	1.38	
			For >2,500, Deduct	-1.13	
			For Ceilings >10' High, Add	0.38	

09 Finishes**09 50 Ceilings****09 54 Specialty Ceilings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	33.13		2.75
		<i>For Up To 50, Add</i>	7.13		
		<i>For >50 To 200, Add</i>	4.40		
		<i>For >200 To 500, Add</i>	1.93		
		<i>For >2,500, Deduct</i>	-1.66		
		<i>For Ceilings >10' High, Add</i>	0.41		
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	24.31		2.75
		<i>For Up To 50, Add</i>	5.81		
		<i>For >50 To 200, Add</i>	3.51		
		<i>For >200 To 500, Add</i>	1.49		
		<i>For >2,500, Deduct</i>	-1.22		
		<i>For Ceilings >10' High, Add</i>	0.41		
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	22.33		2.75
		<i>For Up To 50, Add</i>	5.35		
		<i>For >50 To 200, Add</i>	3.23		
		<i>For >200 To 500, Add</i>	1.37		
		<i>For >2,500, Deduct</i>	-1.12		
		<i>For Ceilings >10' High, Add</i>	0.37		
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	19.48		2.05
		<i>For Up To 50, Add</i>	4.67		
		<i>For >50 To 200, Add</i>	2.82		
		<i>For >200 To 500, Add</i>	1.19		
		<i>For >2,500, Deduct</i>	-0.97		
		<i>For Ceilings >10' High, Add</i>	0.33		
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	15.67		4.12
		<i>For Ceilings >10' High, Add</i>	0.60		
09 54 23 00-0013	LF	6" Wide Embossed Molding	19.51		4.80
		<i>For Ceilings >10' High, Add</i>	0.67		
09 54 23 00-0014	LF	12" Wide Embossed Molding	26.11		5.63
		<i>For Ceilings >10' High, Add</i>	0.84		
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	45.59		13.03
		<i>For Ceilings >10' High, Add</i>	1.91		
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	62.80		15.23
		<i>For Ceilings >10' High, Add</i>	2.29		

09 57 Special Function Ceilings (09 57)**09 57 63 High Impact Ceilings** (09 57)**09 57 63 00-0001 High Impact Ceilings** (09 57 63)

09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	14.85		1.27
		<i>For Ceilings >10' High, Add</i>	0.15		
09 57 63 00-0003	EA	High Impact Clips	6.51		1.02
		<i>For Ceilings >10' High, Add</i>	0.24		

09 60 Flooring (09)

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment (09 60)**09 61 13 Slip-Resistant Flooring Treatment** (09 61)**09 61 13 00-0001 Anti-Slip Tape** (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	3.31		2.54
09 61 13 00-0003	LF	2" Anti-Slip Tape	4.16		2.80
09 61 13 00-0004	LF	3" Anti-Slip Tape	5.00		3.08
09 61 13 00-0005	LF	4" Anti-Slip Tape	5.79		3.38
09 61 13 00-0006	LF	6" Anti-Slip Tape	7.35		3.72
09 61 13 00-0007	LF	12" Anti-Slip Tape	12.79		5.57
09 61 13 00-0008	LF	24" Anti-Slip Tape	18.14		8.37

09 63 Masonry Flooring (09 60)**09 63 13 Brick Flooring** (09 63)**09 63 13 00-0001 Clay Bricks** (09 63 13)

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	31.14		10.36
		<i>For Basket Weave Pattern, Add</i>	2.22		
		<i>For Herringbone Pattern, Add</i>	2.95		
		<i>For Epoxy Joints, Add</i>	5.41		
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	35.21		10.36
		<i>For Basket Weave Pattern, Add</i>	2.22		
		<i>For Herringbone Pattern, Add</i>	2.95		
		<i>For Epoxy Joints, Add</i>	5.41		
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	19.69		10.36
		<i>For Basket Weave Pattern, Add</i>	2.21		
		<i>For Herringbone Pattern, Add</i>	2.95		
		<i>For Epoxy Joints, Add</i>	5.41		



Finishes	09	
Flooring	09 60	09
Masonry Flooring	09 63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 63 13 00-0005	SF		1/2" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	23.37 2.21 2.95 5.41	10.36
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	21.34 2.21 2.95 5.41	10.36
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	26.23 2.21 2.95 5.41	10.36
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	22.93 2.21 2.95 5.41	10.36
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	29.13 2.21 2.95 5.41	10.36
09 63 43 Composition Stone Flooring (09 63)					
09 63 43 00-0001			Cupric Oxychloride Cement, Seamless Flooring System (09 63 43) Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	19.26	6.10
09 64 Wood Flooring (09 60)					
09 64 13 Wood Flooring Underlayment (09 64)					
09 64 13 00-0001			Wood Flooring Underlayment (09 64 13)		
09 64 13 00-0002	SF		Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.55	
09 64 13 00-0003	SF		Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.57	
09 64 13 00-0004	SF		30 LB, Waxed Paper, Wood Flooring Underlayment	0.59	
09 64 13 00-0005	SF		15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment.....	0.65	
09 64 13 00-0006	SF		6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.59	
09 64 13 00-0007	SF		8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.65	
09 64 13 00-0008	SF		1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.46	0.38
09 64 13 00-0009	SF		1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.56	0.38
09 64 13 00-0010	SF		3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.94	
09 64 13 00-0011	SF		2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.16	
09 64 13 00-0012	SF		4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.24	
09 64 13 00-0013	SF		2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.50	
09 64 13 00-0014	SF		1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.52	0.25
09 64 23 Wood Parquet Flooring (09 64)					
Note: All wood parquet flooring is prefinished at factory.					
09 64 23 00-0001			Hardwood Parquet Flooring (09 64 23)		
09 64 23 00-0002	SF		5/16" Thick Oak Parquet Flooring..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >100 To 300, Add</i>	12.48 5.45 2.84 1.42 0.71	1.27
09 64 29 Wood Strip and Plank Flooring (09 64)					
Note: All wood strip flooring is unfinished, tongue and groove.					
09 64 29 00-0001			Unfinished Fir, Wood Strip Flooring (09 64 29)		
09 64 29 00-0002	SF		3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	14.43	1.27
			<i>For Factory Finish, Add</i>	0.87	
			<i>For Random Width Floor, Add</i>	3.32	
			<i>For Up To 20, Add</i>	4.73	
			<i>For >20 To 50, Add</i>	2.59	
			<i>For >50 To 100, Add</i>	1.29	
			<i>For >100 To 300, Add</i>	0.65	
09 64 29 00-0003			Unfinished Oak, Wood Strip Flooring (09 64 29)		
09 64 29 00-0004			Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0005	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	12.02	1.27
			<i>For Factory Finish, Add</i>	0.46	
			<i>For Random Width Floor, Add</i>	2.63	
			<i>For Up To 20, Add</i>	5.16	
			<i>For >20 To 50, Add</i>	2.70	
			<i>For >50 To 100, Add</i>	1.35	
			<i>For >100 To 300, Add</i>	0.67	

09 Finishes
09 60 Flooring
09 64 Wood Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0006	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	12.61	1.27
			<i>For Factory Finish, Add</i>	0.51	
			<i>For Random Width Floor, Add</i>	2.78	
			<i>For Up To 20, Add</i>	5.25	
			<i>For >20 To 50, Add</i>	2.76	
			<i>For >50 To 100, Add</i>	1.38	
			<i>For >100 To 300, Add</i>	0.69	
09 64 29 00-0007	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	13.50	1.27
			<i>For Factory Finish, Add</i>	0.60	
			<i>For Random Width Floor, Add</i>	3.00	
			<i>For Up To 20, Add</i>	5.39	
			<i>For >20 To 50, Add</i>	2.84	
			<i>For >50 To 100, Add</i>	1.42	
			<i>For >100 To 300, Add</i>	0.71	
09 64 29 00-0008	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	10.46	1.27
			<i>For Factory Finish, Add</i>	0.48	
			<i>For Random Width Floor, Add</i>	2.33	
			<i>For Up To 20, Add</i>	4.14	
			<i>For >20 To 50, Add</i>	2.19	
			<i>For >50 To 100, Add</i>	1.09	
			<i>For >100 To 300, Add</i>	0.55	
09 64 29 00-0009	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	10.93	1.27
			<i>For Factory Finish, Add</i>	0.52	
			<i>For Random Width Floor, Add</i>	2.45	
			<i>For Up To 20, Add</i>	4.21	
			<i>For >20 To 50, Add</i>	2.24	
			<i>For >50 To 100, Add</i>	1.12	
			<i>For >100 To 300, Add</i>	0.56	
09 64 29 00-0010	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	11.84	1.27
			<i>For Factory Finish, Add</i>	0.61	
			<i>For Random Width Floor, Add</i>	2.67	
			<i>For Up To 20, Add</i>	4.35	
			<i>For >20 To 50, Add</i>	2.33	
			<i>For >50 To 100, Add</i>	1.16	
			<i>For >100 To 300, Add</i>	0.58	
09 64 29 00-0011			Unfinished Red Oak, Wood Strip Flooring <small>(09 64 29 00-0003)</small>		
09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	12.12	1.27
			<i>For Factory Finish, Add</i>	0.47	
			<i>For Random Width Floor, Add</i>	2.66	
			<i>For Up To 20, Add</i>	5.18	
			<i>For >20 To 50, Add</i>	2.71	
			<i>For >50 To 100, Add</i>	1.35	
			<i>For >100 To 300, Add</i>	0.68	
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	12.71	1.27
			<i>For Factory Finish, Add</i>	0.52	
			<i>For Random Width Floor, Add</i>	2.80	
			<i>For Up To 20, Add</i>	5.27	
			<i>For >20 To 50, Add</i>	2.77	
			<i>For >50 To 100, Add</i>	1.38	
			<i>For >100 To 300, Add</i>	0.69	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	13.60	1.27
			<i>For Factory Finish, Add</i>	0.61	
			<i>For Random Width Floor, Add</i>	3.03	
			<i>For Up To 20, Add</i>	5.40	
			<i>For >20 To 50, Add</i>	2.85	
			<i>For >50 To 100, Add</i>	1.43	
			<i>For >100 To 300, Add</i>	0.71	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	10.55	1.27
			<i>For Factory Finish, Add</i>	0.48	
			<i>For Random Width Floor, Add</i>	2.35	
			<i>For Up To 20, Add</i>	4.15	
			<i>For >20 To 50, Add</i>	2.20	
			<i>For >50 To 100, Add</i>	1.10	
			<i>For >100 To 300, Add</i>	0.55	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	11.15	1.27
			<i>For Factory Finish, Add</i>	0.54	
			<i>For Random Width Floor, Add</i>	2.50	
			<i>For Up To 20, Add</i>	4.24	
			<i>For >20 To 50, Add</i>	2.26	
			<i>For >50 To 100, Add</i>	1.13	
			<i>For >100 To 300, Add</i>	0.56	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	11.94	1.27
			<i>For Factory Finish, Add</i>	0.62	
			<i>For Random Width Floor, Add</i>	2.70	
			<i>For Up To 20, Add</i>	4.36	
			<i>For >20 To 50, Add</i>	2.34	
			<i>For >50 To 100, Add</i>	1.17	
			<i>For >100 To 300, Add</i>	0.58	
09 64 29 00-0018			Unfinished Maple, Wood Strip Flooring <small>(09 64 29)</small>		
09 64 29 00-0019			25/32" Thick, Unfinished Maple, Wood Strip Flooring <small>(09 64 29 00-0018)</small>		



		Finishes	09
		Flooring	09 60
		Wood Flooring	09 64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	14.29	1.27
			For Factory Finish, Add	0.68	
			For Random Width Floor, Add	3.20	
			For Up To 20, Add	5.51	
			For >20 To 50, Add	2.92	
			For >50 To 100, Add	1.46	
			For >100 To 300, Add	0.73	
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.30	1.27
			For Factory Finish, Add	0.58	
			For Random Width Floor, Add	2.95	
			For Up To 20, Add	5.36	
			For >20 To 50, Add	2.82	
			For >50 To 100, Add	1.41	
			For >100 To 300, Add	0.71	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	12.92	1.27
			For Factory Finish, Add	0.72	
			For Random Width Floor, Add	2.94	
			For Up To 20, Add	4.51	
			For >20 To 50, Add	2.43	
			For >50 To 100, Add	1.22	
			For >100 To 300, Add	0.61	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.94	1.27
			For Factory Finish, Add	0.62	
			For Random Width Floor, Add	2.70	
			For Up To 20, Add	4.36	
			For >20 To 50, Add	2.34	
			For >50 To 100, Add	1.17	
			For >100 To 300, Add	0.58	
09 64 29 00-0024			33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.42	1.27
			For Factory Finish, Add	0.90	
			For Random Width Floor, Add	3.73	
			For Up To 20, Add	5.82	
			For >20 To 50, Add	3.14	
			For >50 To 100, Add	1.57	
			For >100 To 300, Add	0.78	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.10	1.27
			For Factory Finish, Add	0.76	
			For Random Width Floor, Add	3.40	
			For Up To 20, Add	5.63	
			For >20 To 50, Add	3.00	
			For >50 To 100, Add	1.50	
			For >100 To 300, Add	0.75	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	15.20	1.27
			For Factory Finish, Add	0.95	
			For Random Width Floor, Add	3.51	
			For Up To 20, Add	4.85	
			For >20 To 50, Add	2.66	
			For >50 To 100, Add	1.33	
			For >100 To 300, Add	0.67	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.87	1.27
			For Factory Finish, Add	0.82	
			For Random Width Floor, Add	3.18	
			For Up To 20, Add	4.65	
			For >20 To 50, Add	2.53	
			For >50 To 100, Add	1.26	
			For >100 To 300, Add	0.63	
09 64 29 00-0029			Prefinished Engineered Wood Flooring (09 64 29)		
			Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	17.59	1.27
			For Up To 20, Add	4.88	
			For >20 To 50, Add	2.76	
			For >50 To 100, Add	1.38	
			For >100 To 300, Add	0.69	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	17.59	1.27
			For Up To 20, Add	4.88	
			For >20 To 50, Add	2.76	
			For >50 To 100, Add	1.38	
			For >100 To 300, Add	0.69	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	17.04	1.27
			For Up To 20, Add	4.80	
			For >20 To 50, Add	2.70	
			For >50 To 100, Add	1.35	
			For >100 To 300, Add	0.68	

09	09 Finishes
	09 60 Flooring
	09 64 Wood Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0033 SF 1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	17.46	1.27
For Up To 20, Add	4.86	
For >20 To 50, Add	2.74	
For >50 To 100, Add	1.37	
For >100 To 300, Add	0.69	
09 64 66 Wood Athletic Flooring (09 64)		
Note: 1-1/2" or 2-1/4" widths. Excludes finish.		
09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor (09 64 66)		
Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.		
09 64 66 00-0002 SF 25/32" Maple Wood Gym/Stage/Dance Floor	16.82	6.35
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0003 SF 33/32" Maple Wood Gym/Stage/Dance Floor	19.92	6.61
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems (09 64 66)		
Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0005 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	22.35	8.26
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0006 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	23.54	8.26
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0007 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	26.04	8.26
Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0008 SF Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	24.89	8.26
Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0009 SF Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	28.35	8.26
Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 65 Resilient Flooring (09 60)		
See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.		
09 65 13 Resilient Base and Accessories (09 65)		
09 65 13 13 Resilient Base (09 65 13)		
09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)		
Note: Includes inside and outside corners.		
09 65 13 13-0002 LF 2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.26	1.54
For Up To 20, Add	2.02	
For >20 To 40, Add	1.14	
For >40 To 80, Add	0.42	
For >240 To 960, Deduct	-0.37	
For >960, Deduct	-0.56	
09 65 13 13-0003 LF 4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.09	1.54
For Up To 20, Add	2.14	
For >20 To 40, Add	1.22	
For >40 To 80, Add	0.46	
For >240 To 960, Deduct	-0.46	
For >960, Deduct	-0.68	
09 65 13 13-0004 LF 6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	7.87	1.54
For Up To 20, Add	2.41	
For >20 To 40, Add	1.40	
For >40 To 80, Add	0.55	
For >240 To 960, Deduct	-0.63	
For >960, Deduct	-0.95	



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)		
Note: Includes inside and outside corners.		
09 65 13 13-0006 LF 2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.80	1.54
For Up To 20, Add	2.10	
For >20 To 40, Add	1.19	
For >40 To 80, Add	0.44	
For >240 To 960, Deduct	-0.43	
For >960, Deduct	-0.64	
09 65 13 13-0007 LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.42	1.54
For Up To 20, Add	2.19	
For >20 To 40, Add	1.26	
For >40 To 80, Add	0.47	
For >240 To 960, Deduct	-0.49	
For >960, Deduct	-0.73	
09 65 13 13-0008 LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.14	1.54
For Up To 20, Add	2.45	
For >20 To 40, Add	1.43	
For >40 To 80, Add	0.56	
For >240 To 960, Deduct	-0.66	
For >960, Deduct	-0.99	
09 65 13 13-0009 LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.56	1.54
For Up To 20, Add	2.81	
For >20 To 40, Add	1.67	
For >40 To 80, Add	0.68	
For >240 To 960, Deduct	-0.90	
For >960, Deduct	-1.35	
09 65 13 13-0010 LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.09	1.54
For Up To 20, Add	2.89	
For >20 To 40, Add	1.72	
For >40 To 80, Add	0.71	
For >240 To 960, Deduct	-0.96	
For >960, Deduct	-1.43	
09 65 13 13-0011 LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	13.80	1.54
For Up To 20, Add	3.30	
For >20 To 40, Add	1.99	
For >40 To 80, Add	0.84	
For >240 To 960, Deduct	-1.23	
For >960, Deduct	-1.84	
09 65 13 13-0012 LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	19.18	1.54
For Up To 20, Add	4.11	
For >20 To 40, Add	2.53	
For >40 To 80, Add	1.11	
For >240 To 960, Deduct	-1.76	
For >960, Deduct	-2.65	
09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)		
Note: Includes inside and outside corners.		
09 65 13 13-0014 LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.48	1.84
For Up To 20, Add	2.20	
For >20 To 40, Add	1.26	
For >40 To 80, Add	0.48	
For >240 To 960, Deduct	-0.49	
For >960, Deduct	-0.74	
09 65 13 13-0015 LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.50	1.54
For Up To 20, Add	2.20	
For >20 To 40, Add	1.26	
For >40 To 80, Add	0.48	
For >240 To 960, Deduct	-0.50	
For >960, Deduct	-0.74	
09 65 13 13-0016 LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	9.63	1.84
For Up To 20, Add	2.92	
For >20 To 40, Add	1.70	
For >40 To 80, Add	0.67	
For >240 To 960, Deduct	-0.78	
For >960, Deduct	-1.17	
09 65 13 23 Resilient Stair Treads and Risers (09 65 13)		
Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001 Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	17.70	2.45
Note: Raised disc or other pattern.		
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	19.02	2.64
Note: Raised disc or other pattern.		
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern. For Abrasive Strip, Add For Photo Luminescent Abrasive Strip, Add	22.82 2.75 3.75	2.82
09 65 13 23-0006		Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. For Abrasive Strip, Add For Photo Luminescent Abrasive Strip, Add	16.78 2.75 3.75	2.45
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. For Abrasive Strip, Add For Photo Luminescent Abrasive Strip, Add	17.64 2.75 3.75	2.64
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. For Abrasive Strip, Add For Photo Luminescent Abrasive Strip, Add	21.46 2.75 3.75	2.83
09 65 13 23-0010		Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser.....	9.79	1.48
09 65 13 23-0012		Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	27.85	2.27
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	33.21	2.45
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	35.90	2.76
09 65 13 23-0016		Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017		Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread For Abrasive Strip, Add	19.27 2.75	2.23
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread For Abrasive Strip, Add	21.28 2.75	2.45
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread For Abrasive Strip, Add	25.49 2.75	2.65
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	10.76	1.48
09 65 13 33		Resilient Accessories (09 65 13)		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.13	1.23
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	3.22	1.23
09 65 13 33-0004		Concrete Floor Prep (09 65 13 33)		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.54	
09 65 13 36		Resilient Carpet Transitions (09 65 13)		
09 65 13 36-0001		Vinyl Transition Strip (09 65 13 36)		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black For >240 To 960, Deduct For >960, Deduct	3.02 -0.23 -0.34	1.11
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black For >240 To 960, Deduct For >960, Deduct	2.71 -0.19 -0.29	1.11
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black..... For >240 To 960, Deduct For >960, Deduct	2.33 -0.16 -0.23	1.11
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A) For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	3.66 1.53 0.86 0.31 -0.24 -0.37	1.54
09 65 13 36-0006		Vinyl, Wheeled Traffic Transitions (09 65 13 36)		



		Finishes	09
		Flooring	09 60
		Resilient Flooring	09 65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0007	LF		1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	4.44	1.54
			For Up To 20, Add	1.65	
			For >20 To 40, Add	0.93	
			For >40 To 80, Add	0.34	
			For >240 To 960, Deduct	-0.32	
			For >960, Deduct	-0.48	
09 65 13 36-0008	LF		1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	4.44	1.54
			For Up To 20, Add	1.65	
			For >20 To 40, Add	0.93	
			For >40 To 80, Add	0.34	
			For >240 To 960, Deduct	-0.32	
			For >960, Deduct	-0.48	
09 65 13 36-0009	LF		5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	5.32	1.54
			For Up To 20, Add	1.78	
			For >20 To 40, Add	1.02	
			For >40 To 80, Add	0.39	
			For >240 To 960, Deduct	-0.41	
			For >960, Deduct	-0.61	
09 65 13 36-0010	LF		1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	8.45	1.54
			For Up To 20, Add	2.25	
			For >20 To 40, Add	1.34	
			For >40 To 80, Add	0.55	
			For >240 To 960, Deduct	-0.72	
			For >960, Deduct	-1.08	
09 65 13 36-0011	LF		1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	8.47	1.54
			For Up To 20, Add	2.25	
			For >20 To 40, Add	1.34	
			For >40 To 80, Add	0.55	
			For >240 To 960, Deduct	-0.72	
			For >960, Deduct	-1.09	
09 65 13 36-0012	LF		1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	5.78	1.54
			For Up To 20, Add	1.85	
			For >20 To 40, Add	1.07	
			For >40 To 80, Add	0.41	
			For >240 To 960, Deduct	-0.46	
			For >960, Deduct	-0.68	
09 65 13 36-0013	LF		1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	8.25	1.54
			For Up To 20, Add	2.22	
			For >20 To 40, Add	1.32	
			For >40 To 80, Add	0.54	
			For >240 To 960, Deduct	-0.70	
			For >960, Deduct	-1.05	
09 65 13 36-0014	LF		1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	8.53	1.54
			For Up To 20, Add	2.26	
			For >20 To 40, Add	1.34	
			For >40 To 80, Add	0.55	
			For >240 To 960, Deduct	-0.73	
			For >960, Deduct	-1.10	
09 65 13 36-0015	LF		3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	7.27	1.54
			For Up To 20, Add	2.07	
			For >20 To 40, Add	1.22	
			For >40 To 80, Add	0.49	
			For >240 To 960, Deduct	-0.60	
			For >960, Deduct	-0.91	
09 65 13 36-0016	LF		3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	7.89	1.54
			For Up To 20, Add	2.16	
			For >20 To 40, Add	1.28	
			For >40 To 80, Add	0.52	
			For >240 To 960, Deduct	-0.67	
			For >960, Deduct	-1.00	
09 65 13 36-0017	LF		1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	8.53	1.54
			For Up To 20, Add	2.26	
			For >20 To 40, Add	1.34	
			For >40 To 80, Add	0.55	
			For >240 To 960, Deduct	-0.73	
			For >960, Deduct	-1.10	
09 65 13 36-0018	LF		1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	7.15	1.54
			For Up To 20, Add	2.05	
			For >20 To 40, Add	1.21	
			For >40 To 80, Add	0.48	
			For >240 To 960, Deduct	-0.59	
			For >960, Deduct	-0.89	
09 65 13 36-0019	LF		3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	6.12	1.54
			For Up To 20, Add	1.90	
			For >20 To 40, Add	1.10	
			For >40 To 80, Add	0.43	
			For >240 To 960, Deduct	-0.49	
			For >960, Deduct	-0.73	
09 65 13 36-0020	LF		3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	8.76	1.54
			For Up To 20, Add	2.29	
			For >20 To 40, Add	1.37	
			For >40 To 80, Add	0.56	
			For >240 To 960, Deduct	-0.75	
			For >960, Deduct	-1.13	

09 Finishes

09 60 Flooring

09 65 Resilient Flooring



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	11.13		1.54
		<i>For Up To 20, Add</i>	2.65		
		<i>For >20 To 40, Add</i>	1.60		
		<i>For >40 To 80, Add</i>	0.68		
		<i>For >240 To 960, Deduct</i>	-0.99		
		<i>For >960, Deduct</i>	-1.49		
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	5.96		1.54
		<i>For Up To 20, Add</i>	1.87		
		<i>For >20 To 40, Add</i>	1.09		
		<i>For >40 To 80, Add</i>	0.42		
		<i>For >240 To 960, Deduct</i>	-0.47		
		<i>For >960, Deduct</i>	-0.71		
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	6.04		1.54
		<i>For Up To 20, Add</i>	1.89		
		<i>For >20 To 40, Add</i>	1.09		
		<i>For >40 To 80, Add</i>	0.42		
		<i>For >240 To 960, Deduct</i>	-0.48		
		<i>For >960, Deduct</i>	-0.72		
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	6.79		1.54
		<i>For Up To 20, Add</i>	2.00		
		<i>For >20 To 40, Add</i>	1.17		
		<i>For >40 To 80, Add</i>	0.46		
		<i>For >240 To 960, Deduct</i>	-0.56		
		<i>For >960, Deduct</i>	-0.83		

09 65 16 Resilient Sheet Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)

09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	11.51		0.92
		<i>For Up To 40, Add</i>	4.75		
		<i>For >40 To 100, Add</i>	2.37		
		<i>For >1,000, Deduct</i>	-0.96		
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	9.45		0.92
		<i>For Up To 40, Add</i>	4.33		
		<i>For >40 To 100, Add</i>	2.17		
		<i>For >1,000, Deduct</i>	-0.76		
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	6.24		0.92
		<i>For Up To 40, Add</i>	3.69		
		<i>For >40 To 100, Add</i>	1.85		
		<i>For >1,000, Deduct</i>	-0.44		
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	8.04		0.92
		<i>For Up To 40, Add</i>	4.05		
		<i>For >40 To 100, Add</i>	2.03		
		<i>For >1,000, Deduct</i>	-0.62		
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	10.68		0.92
		<i>For Up To 40, Add</i>	4.58		
		<i>For >40 To 100, Add</i>	2.29		
		<i>For >1,000, Deduct</i>	-0.88		
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring.....	14.67		0.92
		<i>For Up To 40, Add</i>	5.38		
		<i>For >40 To 100, Add</i>	2.69		
		<i>For >1,000, Deduct</i>	-1.28		

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	8.56		
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	8.99		

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	20.48		
------------------	----	--	-------	--	--

09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	4.71		
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	4.29		
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	6.41		
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap.....	3.47		

09 65 19 Resilient Tile Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)



Finishes	09
Flooring	09 60
Resilient Flooring	09 65

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

09 65 19 19-0001	Vinyl Composition Tile (VCT) <small>(09 65 19 19)</small> Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	4.83	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.11	
	<i>For >3,000 To 6,000, Deduct</i>	-0.27	
	<i>For >6,000, Deduct</i>	-0.49	
	<i>For 3/32" Thick, Deduct</i>	-0.26	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0003	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	4.66	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.10	
	<i>For >3,000 To 6,000, Deduct</i>	-0.27	
	<i>For >6,000, Deduct</i>	-0.48	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0004	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	4.66	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.10	
	<i>For >3,000 To 6,000, Deduct</i>	-0.27	
	<i>For >6,000, Deduct</i>	-0.48	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0005	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	6.96	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.15	
	<i>For >3,000 To 6,000, Deduct</i>	-0.36	
	<i>For >6,000, Deduct</i>	-0.62	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0006	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	6.99	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.15	
	<i>For >3,000 To 6,000, Deduct</i>	-0.36	
	<i>For >6,000, Deduct</i>	-0.62	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0007	SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	7.43	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.16	
	<i>For >3,000 To 6,000, Deduct</i>	-0.38	
	<i>For >6,000, Deduct</i>	-0.65	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0008	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®).....	7.49	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.16	
	<i>For >3,000 To 6,000, Deduct</i>	-0.38	
	<i>For >6,000, Deduct</i>	-0.65	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0009	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	7.77	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.17	
	<i>For >3,000 To 6,000, Deduct</i>	-0.39	
	<i>For >6,000, Deduct</i>	-0.67	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0010	SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	10.29	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.22	
	<i>For >3,000 To 6,000, Deduct</i>	-0.49	
	<i>For >6,000, Deduct</i>	-0.82	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0011	SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	11.28	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.24	
	<i>For >3,000 To 6,000, Deduct</i>	-0.53	
	<i>For >6,000, Deduct</i>	-0.88	
	<i>For Extra Stock, Material Only, Deduct</i>	-2.16	
09 65 19 19-0012	Static Dissipative Vinyl Composition Tile (VCT) <small>(09 65 19 19)</small> Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013	SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	19.22	1.84
	<i>For >1,000 To 3,000, Deduct</i>	-0.40	
	<i>For >3,000 To 6,000, Deduct</i>	-0.90	
	<i>For >6,000, Deduct</i>	-1.50	
	<i>For Extra Stock, Material Only, Deduct</i>	-3.65	
09 65 19 19-0014	SF 1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD).....	14.82	1.84
	<i>For Up To 20, Add</i>	3.76	
	<i>For >20 To 40, Add</i>	2.25	
	<i>For >40 To 80, Add</i>	0.93	
	<i>For >1,000 To 3,000, Deduct</i>	-0.32	
	<i>For >3,000 To 6,000, Deduct</i>	-0.73	
	<i>For >6,000, Deduct</i>	-1.23	
	<i>For Extra Stock, Material Only, Deduct</i>	-3.65	

09 65 19 23 Vinyl Tile Flooring (09 65 19)

09 65 19 23-0001	Vinyl Tile <small>(09 65 19 23)</small> Note: Any size.		
09 65 19 23-0002	Solid Vinyl Tile (SVT) <small>(09 65 19 23-0001)</small> Note: The following solid vinyl tiles are certified to ASTM F 1700.		

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0003 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	12.49	1.84
For Up To 20, Add	3.13	
For >20 To 40, Add	1.88	
For >40 To 80, Add	0.78	
For >1,000 To 3,000, Deduct	-0.27	
For >3,000 To 6,000, Deduct	-0.61	
For >6,000, Deduct	-1.03	
09 65 19 23-0004 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	12.82	1.84
For Up To 20, Add	3.18	
For >20 To 40, Add	1.91	
For >40 To 80, Add	0.80	
For >1,000 To 3,000, Deduct	-0.27	
For >3,000 To 6,000, Deduct	-0.62	
For >6,000, Deduct	-1.05	
09 65 19 23-0005 SF 1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	13.07	1.84
For Up To 20, Add	3.22	
For >20 To 40, Add	1.94	
For >40 To 80, Add	0.81	
For >1,000 To 3,000, Deduct	-0.28	
For >3,000 To 6,000, Deduct	-0.63	
For >6,000, Deduct	-1.07	
09 65 19 23-0006 Luxury Vinyl Tile (LVT) (09 65 19 23-0001)		
09 65 19 23-0007 SF 2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	17.18	1.84
For Up To 20, Add	3.84	
For >20 To 40, Add	2.35	
For >40 To 80, Add	1.02	
For >1,000 To 3,000, Deduct	-0.36	
For >3,000 To 6,000, Deduct	-0.80	
For >6,000, Deduct	-1.31	
09 65 19 33 Rubber Tile Flooring (09 65 19)		
09 65 19 33-0001 Rubber Tile (09 65 19 33)		
09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)		
09 65 19 33-0003 SF 1/8" Thick Rubber Tile With Raised Discs	23.46	1.11
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	1.29	
09 65 19 33-0004 SF 3/16" Thick Rubber Tile With Raised Discs	28.39	1.23
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	1.54	
09 65 19 33-0005 SF 7/32" Thick Rubber Tile With Raised Discs	31.56	1.48
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	1.73	
09 65 19 43 Polyester Composition Tile Flooring (09 65 19)		
09 65 19 43-0001 Polyester Composition Floor Tile (09 65 19 43)		
Note: Any size.		
09 65 19 43-0002 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	10.96	1.84
For >1,000 To 3,000, Deduct	-0.23	
For >3,000 To 6,000, Deduct	-0.52	
For >6,000, Deduct	-0.86	
For Extra Stock, Material Only, Deduct	-2.16	
09 65 19 43-0003 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	8.19	1.84
For >1,000 To 3,000, Deduct	-0.18	
For >3,000 To 6,000, Deduct	-0.41	
For >6,000, Deduct	-0.70	
For Extra Stock, Material Only, Deduct	-2.16	
09 65 23 Resilient Plank Flooring (09 65)		
Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001 Vinyl Plank Flooring (09 65 23)		
09 65 23 00-0002 SF 0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	8.70	0.92
For Up To 40, Add	4.18	
For >40 To 100, Add	2.09	
For >1,000, Deduct	-0.68	
09 65 23 00-0003 SF 0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	10.90	0.92
For Up To 40, Add	4.62	
For >40 To 100, Add	2.31	
For >1,000, Deduct	-0.90	
09 65 23 00-0004 SF 0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	12.26	0.92
For Up To 40, Add	4.90	
For >40 To 100, Add	2.45	
For >1,000, Deduct	-1.04	

09 65 43 Linoleum Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.



		Finishes	09
		Flooring	09 60
		Resilient Flooring	09 65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 43 00-0001			Linoleum Flooring (09 65 43)		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	7.77	1.84
09 65 43 00-0003	SF		2.5 mm, Linoleum Sheet (Forbo Marmoleum)	5.74	0.92
			<i>For 3.2mm Thickness, Add</i>	0.77	
			<i>For 2mm Thickness, Deduct</i>	-0.37	
09 65 43 00-0004	LF		Heat Weld Linoleum Sheet Flooring Seams	8.56	
			Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 66			Resilient Athletic Flooring (09 65)		
09 65 66 00-0001			Recycled Rubber, Interlocking Athletic Tiles (09 65 66)		
09 65 66 00-0002	SF		3/8" Height, Recycled Rubber, Interlocking Athletic Tile	7.86	0.86
			<i>For Colors, Add</i>	1.33	
09 65 66 00-0003	SF		1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.16	1.08
			<i>For Colors, Add</i>	1.52	
09 65 66 00-0004	SF		3/4" Height, Recycled Rubber, Interlocking Athletic Tile	10.74	1.72
			<i>For Colors, Add</i>	1.66	
09 65 66 00-0005	SF		1" Height, Recycled Rubber, Interlocking Athletic Tile	15.49	2.09
			<i>For Colors, Add</i>	2.50	
09 65 66 00-0006			Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)		
09 65 66 00-0007	SF		3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	40.94	0.86
			<i>For Colors, Add</i>	4.96	
09 65 66 00-0008	SF		9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	59.16	0.86
			<i>For Colors, Add</i>	7.24	
09 65 66 00-0009	SF		3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	43.23	0.86
			<i>For Colors, Add</i>	5.25	
09 65 66 00-0010	SF		9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	53.16	0.86
			<i>For Colors, Add</i>	6.49	
09 65 66 00-0011	SF		7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	44.46	0.86
			<i>For Colors, Add</i>	5.40	
09 65 66 00-0012			Sheet Goods For Gym (09 65 66)		
09 65 66 00-0013	SF		1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	22.93	3.69
09 65 66 00-0014	SF		9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.23	3.81
09 65 66 00-0015	SF		3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	25.42	3.93
09 65 66 00-0016	SF		1/8" Rubber Sheet Good For Gym Floor Base	6.24	3.01
09 65 66 00-0017	SF		3/16" Rubber Sheet Good For Gym Floor Base	7.00	3.44
09 65 66 00-0018	SF		1/4" Rubber Sheet Good For Gym Floor Base	7.98	3.69
09 65 66 00-0019	SF		3/8" Rubber Sheet Good For Gym Floor Base	8.70	3.93
09 65 66 00-0020	SF		1/2" Rubber Sheet Good For Gym Floor Base	9.19	4.18
09 65 66 00-0021			Polyurethane Floor Systems (09 65 66)		
			See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0022	SF		9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	25.57	2.45
09 66			Terrazzo Flooring (09 60)		
09 66 13			Portland Cement Terrazzo Flooring (09 66)		
			Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.		
09 66 13 13			Sand Cushion Terrazzo Flooring (09 66 13)		
09 66 13 13-0001			Floors Not Bonded To Concrete (09 66 13 13)		
			Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF		Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	40.10	3.09
			<i>For Venetian Type Terrazzo, Add</i>	11.80	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	11.80	
			<i>For Colors, Add</i>	5.90	
			<i>For Up To 100, Add</i>	8.96	
			<i>For >100 To 250, Add</i>	4.48	
09 66 13 13-0003	SF		Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	40.33	3.09
			<i>For Venetian Type Terrazzo, Add</i>	11.91	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	11.91	
			<i>For Colors, Add</i>	5.96	
			<i>For Up To 100, Add</i>	8.99	
			<i>For >100 To 250, Add</i>	4.49	
09 66 13 16			Monolithic Terrazzo Flooring (09 66 13)		

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 16-0001		Monolithic Terrazzo (09 66 13 16)		
09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping Note: Including Mesh And Felt	23.18	3.09
		<i>For Venetian Type Terrazzo, Add</i>	8.59	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	8.59	
		<i>For Colors, Add</i>	4.30	
		<i>For Up To 100, Add</i>	4.12	
		<i>For >100 To 250, Add</i>	2.06	
09 66 13 19		Bonded Terrazzo Flooring (09 66 13)		
09 66 13 19-0001		Floors Bonded To Concrete (09 66 13 19)		
		Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	32.16	3.09
		<i>For Venetian Type Terrazzo, Add</i>	9.74	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	9.74	
		<i>For Colors, Add</i>	4.87	
		<i>For Up To 100, Add</i>	7.02	
		<i>For >100 To 250, Add</i>	3.51	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	32.39	3.09
		<i>For Venetian Type Terrazzo, Add</i>	9.85	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	9.85	
		<i>For Colors, Add</i>	4.93	
		<i>For Up To 100, Add</i>	7.05	
		<i>For >100 To 250, Add</i>	3.52	
09 66 13 19-0004		Terrazzo Wainscot (09 66 13 19)		
09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	40.10	4.13
		<i>For Venetian Type Terrazzo, Add</i>	6.30	
09 66 13 19-0006		Terrazzo Base (09 66 13 19)		
09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	46.00	3.33
		<i>For Venetian Type Terrazzo, Add</i>	13.75	
09 66 13 19-0008		Terrazzo Curb (09 66 13 19)		
09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	110.67	22.21
		<i>For Venetian Type Terrazzo, Add</i>	18.33	
09 66 13 19-0010		Stairs Cast In Place (09 66 13 19)		
		Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	40.31	6.19
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	98.32	20.63
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	41.00	6.19
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0014		Divider Strips (09 66 13 19)		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	6.50	1.03
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	6.10	1.03
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	10.17	1.03
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	15.27	1.03
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	6.19	1.03
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	9.40	1.03
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	6.61	1.03
09 66 16		Terrazzo Floor Tile (09 66)		
09 66 16 13		Portland Cement Terrazzo Floor Tile (09 66 16)		
09 66 16 13-0001		Flooring Tiles (09 66 16 13)		
		Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		Terrazzo Tiles With Non-Slip Surface (09 66 16 13-0001)		
09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	36.87	3.05
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	



Finishes	09	09
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0004 SF 12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	38.06 0.36 2.00	3.05
09 66 16 13-0005 SF 12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	44.35 0.36 2.00	3.05
09 66 16 13-0006 SF 18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	48.03 0.36 2.00	3.05
09 66 16 13-0007 SF 24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	50.93 0.36 2.00	3.05
09 66 16 13-0008 Terrazzo Tile Thin Set (09 66 16 13-0001)		
09 66 16 13-0009 SF Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	36.77 0.36 2.00	3.05
09 66 16 13-0010 SF Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	39.46 0.36 2.00	3.05
09 66 16 13-0011 Thin Set Terrazzo Wainscot (09 66 16 13-0001)		
09 66 16 13-0012 SF 12" x 12" x 1" Terrazzo Tile Wainscot Thin Set <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	56.63 0.50 1.00	6.66
09 66 16 13-0013 SF 18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	64.41 0.50 1.00	6.66
09 66 16 13-0014 Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)		
09 66 16 13-0015 LF 6" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	19.22 0.50 1.00	3.33
09 66 16 13-0016 LF 6" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	21.71 0.50 1.00	3.33
09 66 16 13-0017 LF 8" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	22.56 0.50 1.00	3.33
09 66 16 13-0018 LF 8" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	23.80 0.50 1.00	3.33
09 66 16 13-0019 Terrazzo Curbs (09 66 16 13-0001)		
09 66 16 13-0020 LF 8" x 8" Curb, Terrazzo Tile <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	37.19 0.50 1.00	4.45
09 66 16 13-0021 LF 6" x 6" Curb, Terrazzo Tile <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	35.94 0.50 1.00	4.45
09 66 16 13-0022 Precast Terrazzo Stair Treads 12" Wide (09 66 16 13-0001)		
09 66 16 13-0023 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	98.09	4.45
09 66 16 13-0024 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	83.15	4.45
09 66 16 13-0025 LF 2" Precast Terrazzo Straight Stair Tread	73.18	4.45
09 66 16 13-0026 LF 2" Precast Terrazzo Curved Stair Tread	85.95	4.45
09 66 16 13-0027 Stair Risers, 1" Thick To 6" High, Straight (09 66 16 13-0001)		
09 66 16 13-0028 LF 1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	43.78	3.33
09 66 16 13-0029 LF 1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	51.25	3.33
09 66 16 13-0030 Stair Risers, 1" Thick To 6" High, Curved (09 66 16 13-0001)		
09 66 16 13-0031 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	65.28	3.33
09 66 16 13-0032 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	70.27	3.33
09 66 16 13-0033 Tread And Riser (09 66 16 13)		
09 66 16 13-0034 Stair Stringers, Notched For Treads And Risers (09 66 16 13-0033)		
09 66 16 13-0035 LF 1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	108.46	8.88
09 66 16 13-0036 LF 2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	131.19	8.88
09 66 16 13-0037 Structural Non-Slip Landings (09 66 16 13-0033)		
09 66 16 13-0038 SF 1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	78.44	4.45

09	Finishes
09 60	Flooring
09 66	Terrazzo Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0039 SF 3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip.....	97.12	4.45
09 66 16 13-0040 Combined Tread And Riser (09 66 16 13-0033)		
09 66 16 13-0041 Straight Sections (09 66 16 13-0040)		
09 66 16 13-0042 LF Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	173.68	8.88
09 66 16 13-0043 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	208.56	8.88
09 66 16 13-0044 Curved Sections (09 66 16 13-0040)		
09 66 16 13-0045 LF Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	218.89	8.88
09 66 16 13-0046 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	278.68	8.88
09 66 23 Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16 Epoxy-Resin Terrazzo Flooring (09 66 23)		
09 66 23 16-0001 Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002 SF Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	31.21	3.09
09 66 33 Conductive Terrazzo Flooring (09 66)		
Note: For anti-static areas.		
09 66 33 13 Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001 SF Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	34.09	5.55
09 66 33 13-0002 SF Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	62.90	5.55
09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001 SF Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	25.90	5.55
09 66 33 16-0002 SF Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	45.60	5.55
09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001 SF Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	28.86	5.55
09 66 33 19-0002 SF Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	56.42	5.55
09 66 33 19-0003 SF Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	42.61	5.55
09 66 33 19-0004 SF Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	47.97	5.55
09 67 Fluid-Applied Flooring (09 60)		
09 67 16 Epoxy-Marble Chip Flooring (09 67)		
09 67 16 00-0001 Epoxy Marble Chip Flooring (09 67 16)		
09 67 16 00-0002 SF Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	17.91	3.09
Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
For Skid Resistant Abrasive Sand Finish, Add	0.08	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.08	
09 67 16 00-0003 SF Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy.....	19.12	3.09
Note: Includes primer, 3/16" marble chip coat and top seal coat.		
For Skid Resistant Abrasive Sand Finish, Add	0.10	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	
09 67 23 Resinous Flooring (09 67)		
09 67 23 00-0001 Epoxy Resin Flooring (09 67 23)		
Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bed blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		
09 67 23 00-0002 SF 3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	12.96	7.01
Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.05	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
For Up To 500, Add	2.42	
For >500 To 1,000, Add	1.53	
For >1,000 To 2,000, Add	0.77	
For >10,000, Deduct	-0.85	
09 67 23 00-0003 SF 3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	18.65	7.01
Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.10	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	
For Up To 500, Add	3.84	
For >500 To 1,000, Add	2.39	
For >1,000 To 2,000, Add	1.19	
For >10,000, Deduct	-1.14	



Finishes	09	
Flooring	09 60	09
Fluid-Applied Flooring	09 67	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0004 SF 1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	15.54	7.84
Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.05	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
For Up To 500, Add	2.85	
For >500 To 1,000, Add	1.82	
For >1,000 To 2,000, Add	0.91	
For >10,000, Deduct	-1.03	
09 67 23 00-0005 SF 1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	22.06	7.84
Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.12	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.12	
For Up To 500, Add	4.48	
For >500 To 1,000, Add	2.79	
For >1,000 To 2,000, Add	1.40	
For >10,000, Deduct	-1.36	
09 67 23 00-0006 SF 3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	17.53	8.77
Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.06	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
For Up To 500, Add	3.24	
For >500 To 1,000, Add	2.06	
For >1,000 To 2,000, Add	1.03	
For >10,000, Deduct	-1.16	
09 67 23 00-0007 SF 3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	24.44	8.77
Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.13	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.13	
For Up To 500, Add	4.96	
For >500 To 1,000, Add	3.09	
For >1,000 To 2,000, Add	1.55	
For >10,000, Deduct	-1.51	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)

09 68 13 00-0001 Tufted Carpet Tiles (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles (09 68 13 00-0001)

09 68 13 00-0003 SY 18 Ounce, Non-Patterned, Nylon Carpet Tile	38.69	7.39
For Up To 15, Add	3.62	
For >15 To 33, Add	1.81	
For >200 To 400, Deduct	-0.41	
For >400 To 600, Deduct	-0.62	
For >600 To 900, Deduct	-1.30	
For >900 To 1,500, Deduct	-1.98	
For >1,500 To 2,200, Deduct	-2.96	
For >2,200 To 3,500, Deduct	-3.93	
For >3,500, Deduct	-4.90	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0004 SY 20 Ounce, Non-Patterned, Nylon Carpet Tile	39.94	7.39
For Up To 15, Add	3.62	
For >15 To 33, Add	1.81	
For >200 To 400, Deduct	-0.44	
For >400 To 600, Deduct	-0.65	
For >600 To 900, Deduct	-1.36	
For >900 To 1,500, Deduct	-2.07	
For >1,500 To 2,200, Deduct	-3.09	
For >2,200 To 3,500, Deduct	-4.09	
For >3,500, Deduct	-5.09	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0005 SY 22 Ounce, Non-Patterned, Nylon Carpet Tile	43.90	7.39
For Up To 15, Add	3.62	
For >15 To 33, Add	1.81	
For >200 To 400, Deduct	-0.52	
For >400 To 600, Deduct	-0.77	
For >600 To 900, Deduct	-1.56	
For >900 To 1,500, Deduct	-2.35	
For >1,500 To 2,200, Deduct	-3.48	
For >2,200 To 3,500, Deduct	-4.58	
For >3,500, Deduct	-5.68	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0006 SY 24 Ounce, Non-Patterned, Nylon Carpet Tile	47.76	7.39
For Up To 15, Add	3.62	
For >15 To 33, Add	1.81	
For >200 To 400, Deduct	-0.59	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.75	
For >900 To 1,500, Deduct	-2.62	
For >1,500 To 2,200, Deduct	-3.87	
For >2,200 To 3,500, Deduct	-5.06	
For >3,500, Deduct	-6.26	
For Cushion Backed Tile, Add	6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0007	SY	26 Ounce, Non-Patterned, Nylon Carpet Tile	50.02	7.39
		<i>For Up To 15, Add</i>	3.62	
		<i>For >15 To 33, Add</i>	1.81	
		<i>For >200 To 400, Deduct</i>	-0.64	
		<i>For >400 To 600, Deduct</i>	-0.96	
		<i>For >600 To 900, Deduct</i>	-1.87	
		<i>For >900 To 1,500, Deduct</i>	-2.78	
		<i>For >1,500 To 2,200, Deduct</i>	-4.10	
		<i>For >2,200 To 3,500, Deduct</i>	-5.35	
		<i>For >3,500, Deduct</i>	-6.60	
		<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0008	SY	28 Ounce, Non-Patterned, Nylon Carpet Tile	52.33	7.39
		<i>For Up To 15, Add</i>	3.62	
		<i>For >15 To 33, Add</i>	1.81	
		<i>For >200 To 400, Deduct</i>	-0.68	
		<i>For >400 To 600, Deduct</i>	-1.03	
		<i>For >600 To 900, Deduct</i>	-1.98	
		<i>For >900 To 1,500, Deduct</i>	-2.94	
		<i>For >1,500 To 2,200, Deduct</i>	-4.33	
		<i>For >2,200 To 3,500, Deduct</i>	-5.64	
		<i>For >3,500, Deduct</i>	-6.94	
		<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0009	SY	30 Ounce, Non-Patterned, Nylon Carpet Tile	53.01	7.39
		<i>For Up To 15, Add</i>	3.62	
		<i>For >15 To 33, Add</i>	1.81	
		<i>For >200 To 400, Deduct</i>	-0.70	
		<i>For >400 To 600, Deduct</i>	-1.05	
		<i>For >600 To 900, Deduct</i>	-2.02	
		<i>For >900 To 1,500, Deduct</i>	-2.99	
		<i>For >1,500 To 2,200, Deduct</i>	-4.40	
		<i>For >2,200 To 3,500, Deduct</i>	-5.72	
		<i>For >3,500, Deduct</i>	-7.05	
		<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0010	SY	32 Ounce, Non-Patterned, Nylon Carpet Tile	53.44	7.39
		<i>For Up To 15, Add</i>	3.62	
		<i>For >15 To 33, Add</i>	1.81	
		<i>For >200 To 400, Deduct</i>	-0.71	
		<i>For >400 To 600, Deduct</i>	-1.06	
		<i>For >600 To 900, Deduct</i>	-2.04	
		<i>For >900 To 1,500, Deduct</i>	-3.02	
		<i>For >1,500 To 2,200, Deduct</i>	-4.44	
		<i>For >2,200 To 3,500, Deduct</i>	-5.77	
		<i>For >3,500, Deduct</i>	-7.11	
		<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	53.80	7.39
		<i>For Up To 15, Add</i>	3.62	
		<i>For >15 To 33, Add</i>	1.81	
		<i>For >200 To 400, Deduct</i>	-0.71	
		<i>For >400 To 600, Deduct</i>	-1.07	
		<i>For >600 To 900, Deduct</i>	-2.06	
		<i>For >900 To 1,500, Deduct</i>	-3.04	
		<i>For >1,500 To 2,200, Deduct</i>	-4.47	
		<i>For >2,200 To 3,500, Deduct</i>	-5.82	
		<i>For >3,500, Deduct</i>	-7.16	
		<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0012	SY	36 Ounce, Non-Patterned, Nylon Carpet Tile	55.04	7.39
		<i>For Up To 15, Add</i>	3.62	
		<i>For >15 To 33, Add</i>	1.81	
		<i>For >200 To 400, Deduct</i>	-0.74	
		<i>For >400 To 600, Deduct</i>	-1.11	
		<i>For >600 To 900, Deduct</i>	-2.12	
		<i>For >900 To 1,500, Deduct</i>	-3.13	
		<i>For >1,500 To 2,200, Deduct</i>	-4.60	
		<i>For >2,200 To 3,500, Deduct</i>	-5.97	
		<i>For >3,500, Deduct</i>	-7.35	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
		<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0013	SY	38 Ounce, Non-Patterned, Nylon Carpet Tile	57.48	7.39
		<i>For Up To 15, Add</i>	3.62	
		<i>For >15 To 33, Add</i>	1.81	
		<i>For >200 To 400, Deduct</i>	-0.79	
		<i>For >400 To 600, Deduct</i>	-1.18	
		<i>For >600 To 900, Deduct</i>	-2.24	
		<i>For >900 To 1,500, Deduct</i>	-3.30	
		<i>For >1,500 To 2,200, Deduct</i>	-4.84	
		<i>For >2,200 To 3,500, Deduct</i>	-6.28	
		<i>For >3,500, Deduct</i>	-7.72	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
		<i>For Cushion Backed Tile, Add</i>	6.00	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	60.10	7.39
		For Up To 15, Add	3.62	
		For >15 To 33, Add	1.81	
		For >200 To 400, Deduct	-0.84	
		For >400 To 600, Deduct	-1.26	
		For >600 To 900, Deduct	-2.37	
		For >900 To 1,500, Deduct	-3.48	
		For >1,500 To 2,200, Deduct	-5.10	
		For >2,200 To 3,500, Deduct	-6.61	
		For >3,500, Deduct	-8.11	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	65.14	7.39
		For Up To 15, Add	3.62	
		For >15 To 33, Add	1.81	
		For >200 To 400, Deduct	-0.94	
		For >400 To 600, Deduct	-1.41	
		For >600 To 900, Deduct	-2.62	
		For >900 To 1,500, Deduct	-3.84	
		For >1,500 To 2,200, Deduct	-5.61	
		For >2,200 To 3,500, Deduct	-7.24	
		For >3,500, Deduct	-8.87	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles.....	17.69	
09 68 13 00-0017 Patterned Carpet Tiles (09 68 13 00-0001)				
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.				
09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	40.14	7.39
		For Up To 15, Add	3.99	
		For >15 To 33, Add	1.99	
		For >200 To 400, Deduct	-0.40	
		For >400 To 600, Deduct	-0.61	
		For >600 To 900, Deduct	-1.31	
		For >900 To 1,500, Deduct	-2.01	
		For >1,500 To 2,200, Deduct	-3.02	
		For >2,200 To 3,500, Deduct	-4.02	
		For >3,500, Deduct	-5.02	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	40.81	7.39
		For Up To 15, Add	3.99	
		For >15 To 33, Add	1.99	
		For >200 To 400, Deduct	-0.42	
		For >400 To 600, Deduct	-0.63	
		For >600 To 900, Deduct	-1.34	
		For >900 To 1,500, Deduct	-2.06	
		For >1,500 To 2,200, Deduct	-3.08	
		For >2,200 To 3,500, Deduct	-4.10	
		For >3,500, Deduct	-5.13	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	42.08	7.39
		For Up To 15, Add	3.99	
		For >15 To 33, Add	1.99	
		For >200 To 400, Deduct	-0.44	
		For >400 To 600, Deduct	-0.66	
		For >600 To 900, Deduct	-1.41	
		For >900 To 1,500, Deduct	-2.15	
		For >1,500 To 2,200, Deduct	-3.21	
		For >2,200 To 3,500, Deduct	-4.26	
		For >3,500, Deduct	-5.32	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	46.10	7.39
		For Up To 15, Add	3.99	
		For >15 To 33, Add	1.99	
		For >200 To 400, Deduct	-0.52	
		For >400 To 600, Deduct	-0.79	
		For >600 To 900, Deduct	-1.61	
		For >900 To 1,500, Deduct	-2.43	
		For >1,500 To 2,200, Deduct	-3.61	
		For >2,200 To 3,500, Deduct	-4.77	
		For >3,500, Deduct	-5.92	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	50.01	7.39
		For Up To 15, Add	3.99	
		For >15 To 33, Add	1.99	
		For >200 To 400, Deduct	-0.60	
		For >400 To 600, Deduct	-0.90	
		For >600 To 900, Deduct	-1.80	
		For >900 To 1,500, Deduct	-2.70	
		For >1,500 To 2,200, Deduct	-4.00	
		For >2,200 To 3,500, Deduct	-5.25	
		For >3,500, Deduct	-6.51	
		For Cushion Backed Tile, Add	6.00	

09 Finishes**09 60 Flooring**

09 68 Carpeting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0023	SY 26 Ounce, Patterned, Nylon Carpet Tile	52.31	7.39
	<i>For Up To 15, Add</i>	3.99	
	<i>For >15 To 33, Add</i>	1.99	
	<i>For >200 To 400, Deduct</i>	-0.65	
	<i>For >400 To 600, Deduct</i>	-0.97	
	<i>For >600 To 900, Deduct</i>	-1.92	
	<i>For >900 To 1,500, Deduct</i>	-2.86	
	<i>For >1,500 To 2,200, Deduct</i>	-4.23	
	<i>For >2,200 To 3,500, Deduct</i>	-5.54	
	<i>For >3,500, Deduct</i>	-6.85	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0024	SY 28 Ounce, Patterned, Nylon Carpet Tile	54.65	7.39
	<i>For Up To 15, Add</i>	3.99	
	<i>For >15 To 33, Add</i>	1.99	
	<i>For >200 To 400, Deduct</i>	-0.69	
	<i>For >400 To 600, Deduct</i>	-1.04	
	<i>For >600 To 900, Deduct</i>	-2.03	
	<i>For >900 To 1,500, Deduct</i>	-3.03	
	<i>For >1,500 To 2,200, Deduct</i>	-4.47	
	<i>For >2,200 To 3,500, Deduct</i>	-5.83	
	<i>For >3,500, Deduct</i>	-7.20	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0025	SY 30 Ounce, Patterned, Nylon Carpet Tile	55.35	7.39
	<i>For Up To 15, Add</i>	3.99	
	<i>For >15 To 33, Add</i>	1.99	
	<i>For >200 To 400, Deduct</i>	-0.71	
	<i>For >400 To 600, Deduct</i>	-1.06	
	<i>For >600 To 900, Deduct</i>	-2.07	
	<i>For >900 To 1,500, Deduct</i>	-3.08	
	<i>For >1,500 To 2,200, Deduct</i>	-4.54	
	<i>For >2,200 To 3,500, Deduct</i>	-5.92	
	<i>For >3,500, Deduct</i>	-7.31	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0026	SY 32 Ounce, Patterned, Nylon Carpet Tile	55.78	7.39
	<i>For Up To 15, Add</i>	3.99	
	<i>For >15 To 33, Add</i>	1.99	
	<i>For >200 To 400, Deduct</i>	-0.72	
	<i>For >400 To 600, Deduct</i>	-1.08	
	<i>For >600 To 900, Deduct</i>	-2.09	
	<i>For >900 To 1,500, Deduct</i>	-3.11	
	<i>For >1,500 To 2,200, Deduct</i>	-4.58	
	<i>For >2,200 To 3,500, Deduct</i>	-5.98	
	<i>For >3,500, Deduct</i>	-7.37	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0027	SY 34 Ounce, Patterned, Nylon Carpet Tile	56.15	7.39
	<i>For Up To 15, Add</i>	3.99	
	<i>For >15 To 33, Add</i>	1.99	
	<i>For >200 To 400, Deduct</i>	-0.72	
	<i>For >400 To 600, Deduct</i>	-1.09	
	<i>For >600 To 900, Deduct</i>	-2.11	
	<i>For >900 To 1,500, Deduct</i>	-3.13	
	<i>For >1,500 To 2,200, Deduct</i>	-4.62	
	<i>For >2,200 To 3,500, Deduct</i>	-6.02	
	<i>For >3,500, Deduct</i>	-7.43	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0028	SY 36 Ounce, Patterned, Nylon Carpet Tile	57.40	7.39
	<i>For Up To 15, Add</i>	3.99	
	<i>For >15 To 33, Add</i>	1.99	
	<i>For >200 To 400, Deduct</i>	-0.75	
	<i>For >400 To 600, Deduct</i>	-1.12	
	<i>For >600 To 900, Deduct</i>	-2.17	
	<i>For >900 To 1,500, Deduct</i>	-3.22	
	<i>For >1,500 To 2,200, Deduct</i>	-4.74	
	<i>For >2,200 To 3,500, Deduct</i>	-6.18	
	<i>For >3,500, Deduct</i>	-7.61	
	<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0029	SY 38 Ounce, Patterned, Nylon Carpet Tile	59.88	7.39
	<i>For Up To 15, Add</i>	3.99	
	<i>For >15 To 33, Add</i>	1.99	
	<i>For >200 To 400, Deduct</i>	-0.80	
	<i>For >400 To 600, Deduct</i>	-1.20	
	<i>For >600 To 900, Deduct</i>	-2.30	
	<i>For >900 To 1,500, Deduct</i>	-3.39	
	<i>For >1,500 To 2,200, Deduct</i>	-4.99	
	<i>For >2,200 To 3,500, Deduct</i>	-6.49	
	<i>For >3,500, Deduct</i>	-7.99	
	<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
	<i>For Cushion Backed Tile, Add</i>	6.00	



		Finishes	09	09
		Flooring	09 60	
		Carpeting	09 68	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile		62.54	7.39
		For Up To 15, Add		3.99	
		For >15 To 33, Add		1.99	
		For >200 To 400, Deduct		-0.85	
		For >400 To 600, Deduct		-1.28	
		For >600 To 900, Deduct		-2.43	
		For >900 To 1,500, Deduct		-3.58	
		For >1,500 To 2,200, Deduct		-5.26	
		For >2,200 To 3,500, Deduct		-6.82	
		For >3,500, Deduct		-8.38	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add		2.00	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile		67.66	7.39
		For Up To 15, Add		3.99	
		For >15 To 33, Add		1.99	
		For >200 To 400, Deduct		-0.95	
		For >400 To 600, Deduct		-1.43	
		For >600 To 900, Deduct		-2.69	
		For >900 To 1,500, Deduct		-3.94	
		For >1,500 To 2,200, Deduct		-5.77	
		For >2,200 To 3,500, Deduct		-7.46	
		For >3,500, Deduct		-9.15	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add		2.00	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles		20.33	
09 68 13 00-0033		ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) (09 68 13 00-0001)			
		Note: Includes conductive ESD releasable adhesive and grounding clips.			
09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)		96.21	7.39
		For Up To 15, Add		3.99	
		For >15 To 33, Add		1.99	
		For >200 To 400, Deduct		-1.53	
		For >400 To 600, Deduct		-2.29	
		For >600 To 900, Deduct		-4.11	
		For >900 To 1,500, Deduct		-5.94	
		For >1,500 To 2,200, Deduct		-8.62	
		For >2,200 To 3,500, Deduct		-11.03	
		For >3,500, Deduct		-13.44	
09 68 16		Sheet Carpeting (09 68)			
		Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.			
09 68 16 00-0001		Carpet Cushion (09 68 16)			
09 68 16 00-0002		Carpet Padding (09 68 16 00-0001)			
09 68 16 00-0003		Prime Polyurethane Foam Carpet Padding (09 68 16 00-0002)			
09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding.....		17.42	3.09
		For Up To 15, Add		0.94	
		For >15 To 33, Add		0.47	
		For >200 To 400, Deduct		-0.25	
		For >400 To 600, Deduct		-0.38	
		For >600 To 900, Deduct		-0.71	
		For >900 To 1,500, Deduct		-1.03	
		For >1,500 To 2,200, Deduct		-1.51	
		For >2,200 To 3,500, Deduct		-1.94	
		For >3,500, Deduct		-2.38	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding.....		18.17	3.09
		For Up To 15, Add		0.94	
		For >15 To 33, Add		0.47	
		For >200 To 400, Deduct		-0.27	
		For >400 To 600, Deduct		-0.40	
		For >600 To 900, Deduct		-0.74	
		For >900 To 1,500, Deduct		-1.08	
		For >1,500 To 2,200, Deduct		-1.58	
		For >2,200 To 3,500, Deduct		-2.04	
		For >3,500, Deduct		-2.49	
09 68 16 00-0006		Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)			
09 68 16 00-0007	SY	1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....		10.91	3.09
		For Up To 15, Add		0.94	
		For >15 To 33, Add		0.47	
		For >200 To 400, Deduct		-0.12	
		For >400 To 600, Deduct		-0.19	
		For >600 To 900, Deduct		-0.38	
		For >900 To 1,500, Deduct		-0.58	
		For >1,500 To 2,200, Deduct		-0.86	
		For >2,200 To 3,500, Deduct		-1.13	
		For >3,500, Deduct		-1.40	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0008	SY 5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.43	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.13	
	<i>For >400 To 600, Deduct</i>	-0.20	
	<i>For >600 To 900, Deduct</i>	-0.41	
	<i>For >900 To 1,500, Deduct</i>	-0.61	
	<i>For >1,500 To 2,200, Deduct</i>	-0.91	
	<i>For >2,200 To 3,500, Deduct</i>	-1.19	
	<i>For >3,500, Deduct</i>	-1.48	
09 68 16 00-0009	SY 3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.01	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.09	
	<i>For >400 To 600, Deduct</i>	-0.13	
	<i>For >600 To 900, Deduct</i>	-0.29	
	<i>For >900 To 1,500, Deduct</i>	-0.44	
	<i>For >1,500 To 2,200, Deduct</i>	-0.67	
	<i>For >2,200 To 3,500, Deduct</i>	-0.89	
	<i>For >3,500, Deduct</i>	-1.12	
09 68 16 00-0010	SY 3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.08	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.13	
	<i>For >400 To 600, Deduct</i>	-0.19	
	<i>For >600 To 900, Deduct</i>	-0.39	
	<i>For >900 To 1,500, Deduct</i>	-0.59	
	<i>For >1,500 To 2,200, Deduct</i>	-0.87	
	<i>For >2,200 To 3,500, Deduct</i>	-1.15	
	<i>For >3,500, Deduct</i>	-1.43	
09 68 16 00-0011	SY 7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.08	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.13	
	<i>For >400 To 600, Deduct</i>	-0.19	
	<i>For >600 To 900, Deduct</i>	-0.39	
	<i>For >900 To 1,500, Deduct</i>	-0.59	
	<i>For >1,500 To 2,200, Deduct</i>	-0.87	
	<i>For >2,200 To 3,500, Deduct</i>	-1.15	
	<i>For >3,500, Deduct</i>	-1.43	
09 68 16 00-0012	SY 7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.08	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.13	
	<i>For >400 To 600, Deduct</i>	-0.19	
	<i>For >600 To 900, Deduct</i>	-0.39	
	<i>For >900 To 1,500, Deduct</i>	-0.59	
	<i>For >1,500 To 2,200, Deduct</i>	-0.87	
	<i>For >2,200 To 3,500, Deduct</i>	-1.15	
	<i>For >3,500, Deduct</i>	-1.43	
09 68 16 00-0013	SY 7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.31	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.15	
	<i>For >400 To 600, Deduct</i>	-0.23	
	<i>For >600 To 900, Deduct</i>	-0.45	
	<i>For >900 To 1,500, Deduct</i>	-0.67	
	<i>For >1,500 To 2,200, Deduct</i>	-1.00	
	<i>For >2,200 To 3,500, Deduct</i>	-1.30	
	<i>For >3,500, Deduct</i>	-1.61	
09 68 16 00-0014	SY 1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.97	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.13	
	<i>For >400 To 600, Deduct</i>	-0.19	
	<i>For >600 To 900, Deduct</i>	-0.38	
	<i>For >900 To 1,500, Deduct</i>	-0.58	
	<i>For >1,500 To 2,200, Deduct</i>	-0.86	
	<i>For >2,200 To 3,500, Deduct</i>	-1.14	
	<i>For >3,500, Deduct</i>	-1.41	
09 68 16 00-0015	SY 1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.37	3.09
	<i>For Up To 15, Add</i>	0.94	
	<i>For >15 To 33, Add</i>	0.47	
	<i>For >200 To 400, Deduct</i>	-0.13	
	<i>For >400 To 600, Deduct</i>	-0.20	
	<i>For >600 To 900, Deduct</i>	-0.40	
	<i>For >900 To 1,500, Deduct</i>	-0.61	
	<i>For >1,500 To 2,200, Deduct</i>	-0.90	
	<i>For >2,200 To 3,500, Deduct</i>	-1.19	
	<i>For >3,500, Deduct</i>	-1.47	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0016 SY 1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.83	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.16	
For >400 To 600, Deduct	-0.24	
For >600 To 900, Deduct	-0.48	
For >900 To 1,500, Deduct	-0.71	
For >1,500 To 2,200, Deduct	-1.05	
For >2,200 To 3,500, Deduct	-1.37	
For >3,500, Deduct	-1.69	
09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0018 SY 0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	18.55	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.28	
For >400 To 600, Deduct	-0.42	
For >600 To 900, Deduct	-0.76	
For >900 To 1,500, Deduct	-1.11	
For >1,500 To 2,200, Deduct	-1.62	
For >2,200 To 3,500, Deduct	-2.08	
For >3,500, Deduct	-2.55	
09 68 16 00-0019 SY 0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	20.70	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.32	
For >400 To 600, Deduct	-0.48	
For >600 To 900, Deduct	-0.87	
For >900 To 1,500, Deduct	-1.26	
For >1,500 To 2,200, Deduct	-1.84	
For >2,200 To 3,500, Deduct	-2.35	
For >3,500, Deduct	-2.87	
09 68 16 00-0020 SY 0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	22.36	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.35	
For >400 To 600, Deduct	-0.53	
For >600 To 900, Deduct	-0.95	
For >900 To 1,500, Deduct	-1.38	
For >1,500 To 2,200, Deduct	-2.00	
For >2,200 To 3,500, Deduct	-2.56	
For >3,500, Deduct	-3.12	
09 68 16 00-0021 Waffle Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0022 SY 3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding	21.28	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.33	
For >400 To 600, Deduct	-0.50	
For >600 To 900, Deduct	-0.90	
For >900 To 1,500, Deduct	-1.30	
For >1,500 To 2,200, Deduct	-1.89	
For >2,200 To 3,500, Deduct	-2.43	
For >3,500, Deduct	-2.96	
09 68 16 00-0023 Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0024 SY 0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding	12.95	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.17	
For >400 To 600, Deduct	-0.25	
For >600 To 900, Deduct	-0.48	
For >900 To 1,500, Deduct	-0.72	
For >1,500 To 2,200, Deduct	-1.06	
For >2,200 To 3,500, Deduct	-1.38	
For >3,500, Deduct	-1.71	
09 68 16 00-0025 SY 0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding	13.83	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.18	
For >400 To 600, Deduct	-0.27	
For >600 To 900, Deduct	-0.53	
For >900 To 1,500, Deduct	-0.78	
For >1,500 To 2,200, Deduct	-1.15	
For >2,200 To 3,500, Deduct	-1.49	
For >3,500, Deduct	-1.84	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0026 SY 0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding.....	14.48	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.20	
For >400 To 600, Deduct	-0.29	
For >600 To 900, Deduct	-0.56	
For >900 To 1,500, Deduct	-0.83	
For >1,500 To 2,200, Deduct	-1.21	
For >2,200 To 3,500, Deduct	-1.58	
For >3,500, Deduct	-1.94	
09 68 16 00-0027 SY 0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	16.52	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.24	
For >400 To 600, Deduct	-0.35	
For >600 To 900, Deduct	-0.66	
For >900 To 1,500, Deduct	-0.97	
For >1,500 To 2,200, Deduct	-1.42	
For >2,200 To 3,500, Deduct	-1.83	
For >3,500, Deduct	-2.24	
09 68 16 00-0028 SY 0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	16.69	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.24	
For >400 To 600, Deduct	-0.36	
For >600 To 900, Deduct	-0.67	
For >900 To 1,500, Deduct	-0.98	
For >1,500 To 2,200, Deduct	-1.43	
For >2,200 To 3,500, Deduct	-1.85	
For >3,500, Deduct	-2.27	
09 68 16 00-0029 Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0030 SY 0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	6.40	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.03	
For >400 To 600, Deduct	-0.05	
For >600 To 900, Deduct	-0.16	
For >900 To 1,500, Deduct	-0.26	
For >1,500 To 2,200, Deduct	-0.41	
For >2,200 To 3,500, Deduct	-0.57	
For >3,500, Deduct	-0.73	
09 68 16 00-0031 SY 0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	7.74	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.06	
For >400 To 600, Deduct	-0.09	
For >600 To 900, Deduct	-0.22	
For >900 To 1,500, Deduct	-0.35	
For >1,500 To 2,200, Deduct	-0.54	
For >2,200 To 3,500, Deduct	-0.73	
For >3,500, Deduct	-0.93	
09 68 16 00-0032 SY 0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	7.13	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.07	
For >600 To 900, Deduct	-0.19	
For >900 To 1,500, Deduct	-0.31	
For >1,500 To 2,200, Deduct	-0.48	
For >2,200 To 3,500, Deduct	-0.66	
For >3,500, Deduct	-0.84	
09 68 16 00-0033 SY 0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	7.36	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.08	
For >600 To 900, Deduct	-0.20	
For >900 To 1,500, Deduct	-0.33	
For >1,500 To 2,200, Deduct	-0.50	
For >2,200 To 3,500, Deduct	-0.69	
For >3,500, Deduct	-0.87	
09 68 16 00-0034 SY 0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	8.74	3.09
For Up To 15, Add	0.94	
For >15 To 33, Add	0.47	
For >200 To 400, Deduct	-0.08	
For >400 To 600, Deduct	-0.12	
For >600 To 900, Deduct	-0.27	
For >900 To 1,500, Deduct	-0.42	
For >1,500 To 2,200, Deduct	-0.64	
For >2,200 To 3,500, Deduct	-0.86	
For >3,500, Deduct	-1.08	

09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0036	SY		0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding 9.16		3.09
			For Up To 15, Add	0.94	
			For >15 To 33, Add	0.47	
			For >200 To 400, Deduct	-0.09	
			For >400 To 600, Deduct	-0.13	
			For >600 To 900, Deduct	-0.29	
			For >900 To 1,500, Deduct	-0.45	
			For >1,500 To 2,200, Deduct	-0.68	
			For >2,200 To 3,500, Deduct	-0.91	
			For >3,500, Deduct	-1.14	
09 68 16 00-0037	SY		0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding 10.24		3.09
			For Up To 15, Add	0.94	
			For >15 To 33, Add	0.47	
			For >200 To 400, Deduct	-0.11	
			For >400 To 600, Deduct	-0.17	
			For >600 To 900, Deduct	-0.35	
			For >900 To 1,500, Deduct	-0.53	
			For >1,500 To 2,200, Deduct	-0.79	
			For >2,200 To 3,500, Deduct	-1.05	
			For >3,500, Deduct	-1.30	
09 68 16 00-0038			Residential Broadloom Carpet ^(09 68 16)		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet 40.94		8.25
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.58	
			For Up To 15, Add	4.23	
			For >15 To 33, Add	2.12	
			For >200 To 400, Deduct	-0.40	
			For >400 To 600, Deduct	-0.59	
			For >600 To 900, Deduct	-1.31	
			For >900, Deduct	-2.02	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet 45.60		8.25
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.58	
			For Up To 15, Add	4.23	
			For >15 To 33, Add	2.12	
			For >200 To 400, Deduct	-0.49	
			For >400 To 600, Deduct	-0.73	
			For >600 To 900, Deduct	-1.54	
			For >900, Deduct	-2.35	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet 52.00		8.25
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.58	
			For Up To 15, Add	4.23	
			For >15 To 33, Add	2.12	
			For >200 To 400, Deduct	-0.62	
			For >400 To 600, Deduct	-0.92	
			For >600 To 900, Deduct	-1.86	
			For >900, Deduct	-2.79	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet 58.68		8.25
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.58	
			For Up To 15, Add	4.23	
			For >15 To 33, Add	2.12	
			For >200 To 400, Deduct	-0.75	
			For >400 To 600, Deduct	-1.13	
			For >600 To 900, Deduct	-2.19	
			For >900, Deduct	-3.26	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0043	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet 59.85		8.25
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.58	
			For Up To 15, Add	4.23	
			For >15 To 33, Add	2.12	
			For >200 To 400, Deduct	-0.77	
			For >400 To 600, Deduct	-1.16	
			For >600 To 900, Deduct	-2.25	
			For >900, Deduct	-3.34	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0044	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet 61.89		9.08
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.79	
			For Up To 15, Add	4.52	
			For >15 To 33, Add	2.26	
			For >200 To 400, Deduct	-0.79	
			For >400 To 600, Deduct	-1.18	
			For >600 To 900, Deduct	-2.30	
			For >900, Deduct	-3.43	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0045	SY		48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet 63.88		9.08
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.79	
			For Up To 15, Add	4.52	
			For >15 To 33, Add	2.26	
			For >200 To 400, Deduct	-0.83	
			For >400 To 600, Deduct	-1.24	
			For >600 To 900, Deduct	-2.40	
			For >900, Deduct	-3.57	
			For Installation On Stairs, Each Riser, Add	6.00	

09	09 Finishes
	09 60 Flooring
	09 68 Carpeting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0046 SY 50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	68.83	9.08
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.79	
For Up To 15, Add	4.52	
For >15 To 33, Add	2.26	
For >200 To 400, Deduct	-0.92	
For >400 To 600, Deduct	-1.39	
For >600 To 900, Deduct	-2.65	
For >900, Deduct	-3.91	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0047 SY 60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	69.41	9.08
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.79	
For Up To 15, Add	4.52	
For >15 To 33, Add	2.26	
For >200 To 400, Deduct	-0.94	
For >400 To 600, Deduct	-1.40	
For >600 To 900, Deduct	-2.68	
For >900, Deduct	-3.96	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0048 SY 65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	71.74	9.08
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.79	
For Up To 15, Add	4.52	
For >15 To 33, Add	2.26	
For >200 To 400, Deduct	-0.98	
For >400 To 600, Deduct	-1.47	
For >600 To 900, Deduct	-2.80	
For >900, Deduct	-4.12	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0049 Commercial Broadloom Carpet <small>(09 68 16)</small>		
Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0050 Non-Patterned Broadloom Carpet <small>(09 68 16 00-0049)</small>		
09 68 16 00-0051 SY 22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	53.62	30.35
For Up To 15, Add	4.05	
For >15 To 33, Add	2.02	
For >200 To 400, Deduct	-0.67	
For >400 To 600, Deduct	-1.00	
For >600 To 900, Deduct	-1.97	
For >900, Deduct	-2.94	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0052 SY 24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	53.62	30.35
For Up To 15, Add	4.05	
For >15 To 33, Add	2.02	
For >200 To 400, Deduct	-0.67	
For >400 To 600, Deduct	-1.00	
For >600 To 900, Deduct	-1.97	
For >900, Deduct	-2.94	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0053 SY 26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	53.62	30.35
For Up To 15, Add	4.05	
For >15 To 33, Add	2.02	
For >200 To 400, Deduct	-0.67	
For >400 To 600, Deduct	-1.00	
For >600 To 900, Deduct	-1.97	
For >900, Deduct	-2.94	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0054 SY 28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	58.12	32.88
For Up To 15, Add	4.38	
For >15 To 33, Add	2.19	
For >200 To 400, Deduct	-0.72	
For >400 To 600, Deduct	-1.09	
For >600 To 900, Deduct	-2.14	
For >900, Deduct	-3.19	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0055 SY 30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.14	32.88
For Up To 15, Add	4.38	
For >15 To 33, Add	2.19	
For >200 To 400, Deduct	-0.74	
For >400 To 600, Deduct	-1.12	
For >600 To 900, Deduct	-2.19	
For >900, Deduct	-3.26	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	



	Finishes	09	
	Flooring	09 60	09
	Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0056	SY		32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.32	32.88
			For Up To 15, Add	4.38	
			For >15 To 33, Add	2.19	
			For >200 To 400, Deduct	-0.75	
			For >400 To 600, Deduct	-1.12	
			For >600 To 900, Deduct	-2.20	
			For >900, Deduct	-3.28	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0057	SY		34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	65.07	35.40
			For Up To 15, Add	4.72	
			For >15 To 33, Add	2.36	
			For >200 To 400, Deduct	-0.83	
			For >400 To 600, Deduct	-1.24	
			For >600 To 900, Deduct	-2.43	
			For >900, Deduct	-3.61	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0058	SY		36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	65.81	35.40
			For Up To 15, Add	4.72	
			For >15 To 33, Add	2.36	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.27	
			For >600 To 900, Deduct	-2.46	
			For >900, Deduct	-3.66	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0059	SY		38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	66.71	35.40
			For Up To 15, Add	4.72	
			For >15 To 33, Add	2.36	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.29	
			For >600 To 900, Deduct	-2.51	
			For >900, Deduct	-3.73	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0060 Patterned Broadloom Carpet (09 68 16 00-0049)					
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.					
09 68 16 00-0061	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	56.15	30.35
			For Up To 15, Add	4.45	
			For >15 To 33, Add	2.23	
			For >200 To 400, Deduct	-0.68	
			For >400 To 600, Deduct	-1.02	
			For >600 To 900, Deduct	-2.03	
			For >900, Deduct	-3.04	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0062	SY		24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	56.15	30.35
			For Up To 15, Add	4.45	
			For >15 To 33, Add	2.23	
			For >200 To 400, Deduct	-0.68	
			For >400 To 600, Deduct	-1.02	
			For >600 To 900, Deduct	-2.03	
			For >900, Deduct	-3.04	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0063	SY		26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	56.15	30.35
			For Up To 15, Add	4.45	
			For >15 To 33, Add	2.23	
			For >200 To 400, Deduct	-0.68	
			For >400 To 600, Deduct	-1.02	
			For >600 To 900, Deduct	-2.03	
			For >900, Deduct	-3.04	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0064	SY		28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	60.85	32.88
			For Up To 15, Add	4.82	
			For >15 To 33, Add	2.41	
			For >200 To 400, Deduct	-0.73	
			For >400 To 600, Deduct	-1.10	
			For >600 To 900, Deduct	-2.20	
			For >900, Deduct	-3.30	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0065	SY		30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	61.89	32.88
			For Up To 15, Add	4.82	
			For >15 To 33, Add	2.41	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.13	
			For >600 To 900, Deduct	-2.25	
			For >900, Deduct	-3.37	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0066	SY		32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	62.07	32.88
			For Up To 15, Add	4.82	
			For >15 To 33, Add	2.41	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.26	
			For >900, Deduct	-3.38	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0067	SY		34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	68.07	35.40
			For Up To 15, Add	5.19	
			For >15 To 33, Add	2.60	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.26	
			For >600 To 900, Deduct	-2.49	
			For >900, Deduct	-3.73	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0068	SY		36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	68.82	35.40
			For Up To 15, Add	5.19	
			For >15 To 33, Add	2.60	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.29	
			For >600 To 900, Deduct	-2.53	
			For >900, Deduct	-3.78	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0069	SY		38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	69.72	35.40
			For Up To 15, Add	5.19	
			For >15 To 33, Add	2.60	
			For >200 To 400, Deduct	-0.88	
			For >400 To 600, Deduct	-1.31	
			For >600 To 900, Deduct	-2.58	
			For >900, Deduct	-3.84	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0070			Indoor/Outdoor Carpet (09 68 16) Note: Includes waterproof glue.		
09 68 16 00-0071	SY		Nylon Indoor/Outdoor Carpet.....	54.61	6.19
09 68 16 00-0072	SY		Ozite Indoor/Outdoor Carpet.....	42.41	6.19
09 68 16 00-0073			Carpet Accessories (09 68 16)		
09 68 16 00-0074	LF		Metal Carpet Saddle Strip, Up To 4" Wide.....	7.48	0.84
09 68 16 00-0075			Removal And Reinstallation Of Carpet And Pad (09 68 16) Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0076	SY		Removal And Reinstallation Of Carpet And Pad.....	42.70	
09 68 16 00-0077			Carpeting Support Functions (09 68 16)		
09 68 16 00-0078			Relocate Partitions, Modular Work Stations (09 68 16 00-0077) Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079	EA		Relocate Modular Work Station.....	295.30	
09 68 16 00-0080			Installation Of Owner Provided Broadloom Carpet (09 68 16)		
09 68 16 00-0081	SY		Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	18.00	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	3.52	
			For >15 To 33, Add	1.76	
09 68 16 00-0082	SY		>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	20.93	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	4.11	
			For >15 To 33, Add	2.05	



	Finishes	09	
	Flooring	09 60	09
	Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

09 68 16 00-0083	SY	>34 Oz. Installation Of Owner Provided Broadloom Carpet.....	25.04	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	4.93	
		For >15 To 33, Add	2.46	

09 69 Access Flooring (09 60)

09 69 13 Rigid-Grid Access Flooring (09 69)

09 69 13 00-0001 Panels, No Covering (09 69 13)

09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors.....	19.33	0.84
		For Carpet Covering, Add	2.77	
		For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	37.01	0.84
		For Carpet Covering, Add	2.77	
		For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	34.43	0.92
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	34.43	0.92
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	34.43	0.92
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	34.43	0.92
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	32.52	0.92
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	32.52	0.92
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	36.82	0.92
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	36.82	0.92
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808.....	36.82	0.92
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	36.82	0.92
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	34.90	0.92
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	34.90	0.92
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	44.42	0.92
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	44.42	0.92

09 69 13 00-0018 Pedestals (09 69 13)

09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly.....	38.94	4.22
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly.....	41.33	4.22
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly.....	42.53	4.22
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly.....	46.86	4.22

09 69 13 00-0023 Stringers (09 69 13)

09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors.....	18.62	5.06
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors.....	33.18	7.60
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors.....	52.02	12.66

09 69 13 00-0027 Understructure (09 69 13)

09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	8.69	1.26
------------------	----	--	------	------

09 69 53 Access Flooring Accessories (09 69)

09 69 53 00-0001 Accessories (09 69 53)

09 69 53 00-0002	LF	Accessories, Handrail Access And Pedestal Floors	68.60	5.90
09 69 53 00-0003	LF	Accessories, Fascia Plate Access And Pedestal Floors.....	25.57	5.90
09 69 53 00-0004	EA	Machine Cutouts.....	210.33	
09 69 53 00-0005	SF	Hammered Aluminum Finish Fascia.....	48.48	2.78
		Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0006	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	45.38	
09 69 53 00-0007	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	45.38	
09 69 53 00-0008	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4.....	218.53	10.55
09 69 53 00-0009	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	150.19	10.55
		Note: Includes cut hole.		
09 69 53 00-0010	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	218.53	10.55
09 69 53 00-0011	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	116.44	1.69

09 69 53 00-0012 Final Cleaning For Computer Room Raised Floor System (09 69 53)

		Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	3.06	
09 69 53 00-0014	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	3.20	
09 69 53 00-0015	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	3.15	

09 70 Wall Finishes (09)

09 72 Wall Coverings (09 70)

09 72 13 Cork Wall Coverings (09 72)

09 72 13 00-0001 Cork Wall Covering (09 72 13)

09	Finishes
09 70	Wall Finishes
09 72	Wall Coverings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 72 13 00-0002 SF 1/8" Cork Wall Covering.....	5.57	0.98
09 72 13 00-0003 SF 1/4" Cork Wall Covering.....	6.81	0.98
09 72 13 00-0004 SF 1/2" Cork Wall Covering.....	7.79	0.98
09 72 13 00-0005 SF 3/4" Cork Wall Covering.....	10.67	0.98
09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)		
09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)		
09 72 16 13-0001 Vinyl Wall Coverings (09 72 16 13)		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002 SF 7-10 Oz/SY Vinyl Wall Covering	3.46	0.98
For Owner Furnished Material, Deduct	-1.93	
09 72 16 13-0003 SF 11-14 Oz/SY Vinyl Wall Covering	4.44	0.98
For Owner Furnished Material, Deduct	-2.81	
09 72 16 13-0004 SF 15-19 Oz/SY Vinyl Wall Covering	5.16	0.98
For Owner Furnished Material, Deduct	-3.53	
09 72 16 13-0005 SF 20 To 25 Ounces/SY Vinyl Wall Covering.....	6.11	0.98
For Owner Furnished Material, Deduct	-4.06	
09 72 16 13-0006 SF 26-32 Oz/SY Vinyl Wall Covering	7.08	0.98
For Owner Furnished Material, Deduct	-4.94	
09 72 16 13-0007 SF 33-38 Oz/SY Vinyl Wall Covering	8.49	0.98
For Owner Furnished Material, Deduct	-6.25	
09 72 23 Wallpapering (09 72)		
09 72 23 00-0001 Wallpaper Coverings (09 72 23)		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002 SF Average Quality Wallpaper (Standard Grade)	2.23	1.30
09 72 23 00-0003 SF High Quality Wallpaper (Designer Grade).....	4.38	1.66
09 72 23 00-0004 SF Textured Paintable Paper Installed On Ceiling	3.64	2.46
09 73 Wall Carpeting (09 70)		
09 73 00 00-0001 Carpet Wall Covering (09 73)		
09 73 00 00-0002 SY 28 Ounce, Nylon Carpet Wall Covering	57.01	33.70
09 73 00 00-0003 SY 32 Ounce, Nylon Carpet Wall Covering	58.23	33.70
09 73 00 00-0004 SY 34 Ounce, Nylon Carpet Wall Covering	63.14	36.29
09 73 00 00-0005 SY 35 Ounce, Nylon Carpet Wall Covering	66.82	36.29
09 73 00 00-0006 SY 36 Ounce, Nylon Carpet Wall Covering	70.60	36.29
09 73 00 00-0007 SY 38 Ounce, Nylon Carpet Wall Covering	72.07	36.29
09 73 00 00-0008 SY 40 Ounce, Nylon Carpet Wall Covering	74.92	39.20
09 73 00 00-0009 SY 42 Ounce, Nylon Carpet Wall Covering	78.02	39.20
09 74 Flexible Wood Sheets (09 70)		
09 74 16 Flexible Wood Veneers (09 74)		
09 74 16 00-0001 Flexible Wood Veneer (09 74 16)		
09 74 16 00-0002 SF 1/32" Thick, Flexible Maple Wood Veneer	10.57	3.93
09 74 16 00-0003 SF 1/32" Thick, Flexible Oak Wood Veneer	10.75	3.93
09 74 16 00-0004 SF 1/32" Thick, Flexible Mahogany Wood Veneer	10.75	3.93
09 74 16 00-0005 SF 1/32" Thick, Flexible Birch Wood Veneer.....	10.92	3.93
09 74 16 00-0006 SF 1/32" Thick, Flexible Walnut Wood Veneer.....	11.77	3.93
09 74 16 00-0007 SF 1/32" Thick, Flexible Bamboo Wood Veneer.....	12.80	3.93
09 74 16 00-0008 SF 1/32" Thick, Flexible Fir Wood Veneer.....	14.00	3.93
09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)		
09 74 16 00-0010 SF 1/32" Thick, Flexible Exotic Wood Veneer	16.97	3.93
09 77 Special Wall Surfacing (09 70)		
09 77 11 Special Wall Panels (09 77)		
09 77 11 00-0001 Corian Wall Panels (09 77 11)		
09 77 11 00-0002 Wall Panels (09 77 11 00-0001)		
09 77 11 00-0003 SF 1/4" Corian Wall Panels, Sea Grass	45.33	6.35
For >500, Deduct	3.26	
09 77 11 00-0004 SF 1/4" Corian Wall Panels, Aqua.....	54.30	6.35
For >500, Deduct	4.16	
09 77 11 00-0005 SF 1/4" Corian Wall Panels, Everest.....	58.00	6.35
For >500, Deduct	4.53	



		Finishes	09
		Wall Finishes	09 70
		Special Wall Surfacing	09 77

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

09 77 11 00-0006	Corian Corner Guards For Wall Panels (09 77 11 00-0001)		
09 77 11 00-0007 SF	1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	124.49	5.08
09 77 11 00-0008 SF	1/2" Curved Corner Guard For Corian Wall Panels, Aqua	134.42	5.08
09 77 11 00-0009 SF	1/2" Curved Corner Guard For Corian Wall Panels, Everest	121.54	5.08

09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 80)

09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001	Sound Attenuation Fire Blankets (SAFB) (09 81 16)		
Note: Mineral wool			
09 81 16 00-0002	2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0003 SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.16	0.38
09 81 16 00-0004 SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.32	0.38
09 81 16 00-0005 SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.23	0.38
09 81 16 00-0006 SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.72	0.38
09 81 16 00-0007 SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.50	0.38
09 81 16 00-0008 SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.64	0.38
09 81 16 00-0009 SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.84	0.38
09 81 16 00-0010 SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.06	0.38

09 81 16 00-0011	4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0012 SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.12	0.38

09 81 16 00-0013	Sound Attenuation Batts (09 81 16)		
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.			
09 81 16 00-0014 SF	2-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.23	0.51
09 81 16 00-0015 SF	3-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.29	0.51
09 81 16 00-0016 SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.49	0.51
09 81 16 00-0017 SF	5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.66	0.51
09 81 16 00-0018 SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.71	0.51
09 81 16 00-0019 SF	6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.70	0.51
09 81 16 00-0020 SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.76	0.51

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001	Sound Absorbing Panels And Attenuation Blankets (09 84 13)		
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.			
09 84 13 00-0002 SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler.....	12.89	2.54
09 84 13 00-0003 SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	18.92	2.54

09 84 13 00-0004	Sound Absorbing Acoustical Wall Panel System (09 84 13)		
See CSI section 06 11 16 00-0211 for wood furring.			

09 84 13 00-0005	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam) (09 84 13 00-0004)		
Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.			
09 84 13 00-0006 SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall).....	20.20	2.86
09 84 13 00-0007 SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	24.44	2.86

09 84 13 00-0008	Sound Absorbing Panel, Eggcrate Style (09 84 13)		
Note: Ceiling or wall hung back.			
09 84 13 00-0009 SF	2" Thick Polyurethane Sound Wave (Eggcrate Style).....	11.82	
	For Pyramid Style, Add	1.18	
09 84 13 00-0010 SF	3" Thick Polyurethane Sound Wave (Eggcrate Style).....	15.43	
	For Pyramid Style, Add	1.18	
09 84 13 00-0011 SF	4" Thick Polyurethane Sound Wave (Eggcrate Style).....	19.90	
	For Pyramid Style, Add	1.18	
09 84 13 00-0012 SF	2" Thick Melamine Sound Wave (Eggcrate Style)	15.04	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	2.05	
	For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0013 SF	3" Thick Melamine Sound Wave (Eggcrate Style)	28.89	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	0.42	
	For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0014 SF	4" Thick Melamine Sound Wave (Eggcrate Style)	36.75	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	0.42	
	For Pyramid Style With Hypalon Coating, Add	2.40	

09	09 Finishes
	09 80 Acoustic Treatment
	09 84 Acoustic Room Components



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

09 84 13 00-0015	Sound Deadening Fiberboard <small>(09 84 13)</small>		
09 84 13 00-0016	SF 1/2" Sound Deadening Fiberboard.....	1.75	0.63
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.39	
	<i>For Horizontal Installation >10' High, Add</i>	0.58	
	<i>For Walls >10' High, Add</i>	0.09	
	<i>For Up To 128, Add</i>	0.58	
	<i>For >128 To 320, Add</i>	0.35	

09 90 Painting and Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting (09 90)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)

09 91 13 00-0002 Paint Exterior Brick Walls (09 91 13 00-0001)

09 91 13 00-0003	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.25	
	<i>For Oil Based Paint, Add</i>	0.01	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.16	
	<i>For >100 To 250, Add</i>	0.08	
	<i>For >250 To 500, Add</i>	0.03	
	<i>For >2,500 To 5,000, Deduct</i>	-0.01	
	<i>For >5,000 To 10,000, Deduct</i>	-0.03	
	<i>For >10,000 To 20,000, Deduct</i>	-0.04	
	<i>For >20,000, Deduct</i>	-0.05	
09 91 13 00-0004	SF 1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	1.06	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.48	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.68	
	<i>For >100 To 250, Add</i>	0.32	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.11	
	<i>For >10,000 To 20,000, Deduct</i>	-0.16	
	<i>For >20,000, Deduct</i>	-0.21	
09 91 13 00-0005	SF 1 Coat Paint, Brush Work, Paint Exterior Brick Walls.....	1.53	
	<i>For Oil Based Paint, Add</i>	0.09	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.52	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.72	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.01	
	<i>For >100 To 250, Add</i>	0.48	
	<i>For >250 To 500, Add</i>	0.21	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.15	
	<i>For >10,000 To 20,000, Deduct</i>	-0.23	
	<i>For >20,000, Deduct</i>	-0.31	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0006 SF 2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.19	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.96	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.37	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 13 00-0007 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.71	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0008 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.17	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0009 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.74	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0010 SF 1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.65	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0011	SF	1	Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 13 00-0012	SF	2	Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.40	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	
09 91 13 00-0013			Paint Exterior Concrete Walls (09 91 13 00-0001)		
09 91 13 00-0014	LF	1	Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls.....	0.16	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Epoxy Paint, Add</i>	0.01	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.11	
			<i>For >100 To 250, Add</i>	0.05	
			<i>For >250 To 500, Add</i>	0.02	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.02	
			<i>For >20,000, Deduct</i>	-0.03	
09 91 13 00-0015	SF	1	Coat Filler, Brush Work, Paint Exterior Concrete Walls.....	0.90	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0016 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.98	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0017 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.85	
For Oil Based Paint, Add	0.11	
For Epoxy Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.87	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.23	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 13 00-0018 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.73	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0019 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0020	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.39	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.45	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.62	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0021	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.59	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.22	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0022	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.53	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0023	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	0.93	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	

09 91 13 00-0024 Paint Exterior Concrete Block Walls (09 91 13 00-0001)

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0024)



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026 LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.23	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.07	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.10	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.14	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.05	
09 91 13 00-0027 SF 1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.25	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0028 SF 1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.44	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0029 SF 2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	2.52	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.49	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.78	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.54	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.50	
09 91 13 00-0030 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.03	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0031	SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.14	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.47	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.68	
	<i>For >100 To 250, Add</i>	0.33	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.11	
	<i>For >10,000 To 20,000, Deduct</i>	-0.17	
	<i>For >20,000, Deduct</i>	-0.23	
09 91 13 00-0032	SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	2.02	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.58	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.79	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.17	
	<i>For >100 To 250, Add</i>	0.56	
	<i>For >250 To 500, Add</i>	0.25	
	<i>For >2,500 To 5,000, Deduct</i>	-0.10	
	<i>For >5,000 To 10,000, Deduct</i>	-0.20	
	<i>For >10,000 To 20,000, Deduct</i>	-0.30	
	<i>For >20,000, Deduct</i>	-0.40	
09 91 13 00-0033	SF 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.77	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.36	
	<i>For >100 To 250, Add</i>	0.18	
	<i>For >250 To 500, Add</i>	0.08	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.08	
	<i>For >10,000 To 20,000, Deduct</i>	-0.12	
	<i>For >20,000, Deduct</i>	-0.15	
09 91 13 00-0034	SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.86	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.28	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.43	
	<i>For >100 To 250, Add</i>	0.21	
	<i>For >250 To 500, Add</i>	0.09	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.13	
	<i>For >20,000, Deduct</i>	-0.17	
09 91 13 00-0035	SF 2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.65	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.50	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.79	
	<i>For >100 To 250, Add</i>	0.39	
	<i>For >250 To 500, Add</i>	0.17	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.17	
	<i>For >10,000 To 20,000, Deduct</i>	-0.25	
	<i>For >20,000, Deduct</i>	-0.33	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0037 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.22	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.07	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.10	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.14	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 13 00-0038 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.16	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0039 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.37	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 13 00-0040 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.51	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.30	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.50	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.80	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.57	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.50	
09 91 13 00-0041 SF 1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.53	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.91	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0043 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.17	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0044 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.00	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.59	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.81	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.19	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0045 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.30	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0046 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.82	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0047 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	0.86	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0048 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.33	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0049 SF 1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.10	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)	0.17	
09 91 13 00-0051 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.17	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.03	
For Epoxy Paint, Add	0.01	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0052 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	0.93	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
For Epoxy Paint, Add	0.09	
09 91 13 00-0053 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.01	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Epoxy Paint, Add	0.09	
09 91 13 00-0054 SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.86	
For Oil Based Paint, Add	0.11	
For Orange Peel Finish, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.88	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.24	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
For Epoxy Paint, Add	0.17	
09 91 13 00-0055 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.73	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.08	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0056 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.74	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.08	
09 91 13 00-0057 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.36	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
For Epoxy Paint, Add	0.15	
09 91 13 00-0058 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.58	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.09	
09 91 13 00-0059 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.63	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
For Epoxy Paint, Add	0.08	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0060	SF		2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.02	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91 13 00-0061			Paint Exterior Metal Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0062			Paint Exterior Galvanized Walls <small>(09 91 13 00-0061)</small>		
			<i>Note: Linseed oil or acrylic latex paint.</i>		
09 91 13 00-0063	SF		1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.17	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 13 00-0064	SF		1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.29	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.54	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.79	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.26	
09 91 13 00-0065	SF		2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.34	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.69	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.95	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 250, Add</i>	0.67	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000 To 20,000, Deduct</i>	-0.35	
			<i>For >20,000, Deduct</i>	-0.47	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0066 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.87	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0067 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.00	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0068 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.89	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'		
For Up To 100, Add	1.11	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	
09 91 13 00-0069 SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls.....	0.70	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0070 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls.....	0.91	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0071 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.53	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0061)		
Note: Alkyd enamel paint.		
09 91 13 00-0073 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.17	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0074 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.29	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0075 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	2.33	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.69	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.95	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.39	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	
09 91 13 00-0076 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.97	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0077 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0078 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.07	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.13	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 13 00-0079 SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.77	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0080 SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.91	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0081 SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.53	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0061)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	14.20
		<i>For Work >15' To 20' Above Floor, Add</i>	1.87
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	3.12
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	4.98
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	6.85
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	9.61
		<i>For >100 To 250, Add</i>	4.54
		<i>For >250 To 500, Add</i>	1.96
		<i>For >2,500 To 5,000, Deduct</i>	-0.71
		<i>For >5,000 To 10,000, Deduct</i>	-1.42
		<i>For >10,000 To 20,000, Deduct</i>	-2.13
		<i>For >20,000, Deduct</i>	-2.84
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	15.81
		<i>For Work >15' To 20' Above Floor, Add</i>	2.08
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	3.46
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	5.54
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	7.62
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	10.68
		<i>For >100 To 250, Add</i>	5.04
		<i>For >250 To 500, Add</i>	2.18
		<i>For >2,500 To 5,000, Deduct</i>	-0.79
		<i>For >5,000 To 10,000, Deduct</i>	-1.58
		<i>For >10,000 To 20,000, Deduct</i>	-2.37
		<i>For >20,000, Deduct</i>	-3.16
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	29.51
		<i>For Work >15' To 20' Above Floor, Add</i>	3.90
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	6.51
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	10.41
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	14.32
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	20.04
		<i>For >100 To 250, Add</i>	9.46
		<i>For >250 To 500, Add</i>	4.08
		<i>For >2,500 To 5,000, Deduct</i>	-1.48
		<i>For >5,000 To 10,000, Deduct</i>	-2.95
		<i>For >10,000 To 20,000, Deduct</i>	-4.43
		<i>For >20,000, Deduct</i>	-5.90
09 91 13 00-0086		Paint Exterior Corrugated Metal Walls (09 91 13 00-0061)	
09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.87
		<i>For Work >15' To 20' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.41
		<i>For >100 To 250, Add</i>	0.20
		<i>For >250 To 500, Add</i>	0.09
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.09
		<i>For >10,000 To 20,000, Deduct</i>	-0.13
		<i>For >20,000, Deduct</i>	-0.17
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.14
		<i>For Work >15' To 20' Above Floor, Add</i>	0.11
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.30
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.41
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.62
		<i>For >100 To 250, Add</i>	0.30
		<i>For >250 To 500, Add</i>	0.13
		<i>For >2,500 To 5,000, Deduct</i>	-0.06
		<i>For >5,000 To 10,000, Deduct</i>	-0.11
		<i>For >10,000 To 20,000, Deduct</i>	-0.17
		<i>For >20,000, Deduct</i>	-0.23



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0089 SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.91	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
 09 91 13 00-0090 Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0091 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.28	
For Oil Based Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.04	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.06	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.10	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.13	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.06	
09 91 13 00-0092 SF 1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.56	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0093 SF 1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.72	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 13 00-0094 SF 2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.17	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.41	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.68	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.09	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.11	
For >100 To 250, Add	1.00	
For >250 To 500, Add	0.43	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000 To 20,000, Deduct	-0.48	
For >20,000, Deduct	-0.63	

09	09	Finishes
	09 90	Painting and Coating
	09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0095 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.17	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0096 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.33	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0097 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	2.44	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.30	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.50	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.80	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.56	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.49	
09 91 13 00-0098 SF 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls.....	0.81	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0099 SF 1 Coat Paint, Sprayed, Paint Exterior Stucco Walls.....	0.99	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0100 SF 2 Coats Paint, Sprayed, Paint Exterior Stucco Walls.....	1.92	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.56	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.77	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.13	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 13 00-0101 Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0102 Paint Exterior Smooth Wood Siding (09 91 13 00-0101)		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0103 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.23	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.11	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.05	
09 91 13 00-0104 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	1.31	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0105 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.39	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.66	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

09	09 Finishes
	09 90 Painting and Coating
	09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0106 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	2.48	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.31	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.52	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.15	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.63	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.50	
09 91 13 00-0107 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.01	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0108 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.12	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0109 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	2.09	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.66	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.90	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.30	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
09 91 13 00-0110 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding.....	0.76	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	



Finishes	09	
Painting and Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0111 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.93	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0112 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.49	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.55	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0113 Paint Exterior Rough Wood Siding (09 91 13 00-0101)		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.75	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0115 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.76	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.63	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.86	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.21	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	3.25	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.43	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.72	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.57	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.20	
			For >100 To 250, Add	1.04	
			For >250 To 500, Add	0.45	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.33	
			For >10,000 To 20,000, Deduct	-0.49	
			For >20,000, Deduct	-0.65	
09 91	13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.53	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91	13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.66	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91	13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	3.07	
			For Oil Based Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.56	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.89	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.80	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000 To 20,000, Deduct	-0.46	
			For >20,000, Deduct	-0.61	
09 91	13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.06	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0121 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.19	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0122 SF 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	2.24	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.25	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	
09 91 13 00-0123 Paint Exterior Vinyl Siding (09 91 13 00-0001)		
09 91 13 00-0124 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.18	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 13 00-0125 SF 1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	0.97	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0126	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.07	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91	13 00-0127	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	1.98	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.82	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.19	
			<i>For >100 To 250, Add</i>	0.57	
			<i>For >250 To 500, Add</i>	0.25	
			<i>For >2,500 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.20	
			<i>For >10,000 To 20,000, Deduct</i>	-0.30	
			<i>For >20,000, Deduct</i>	-0.40	
09 91	13 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91	13 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	0.88	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91	13 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.63	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.91	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.19	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.24	
			<i>For >20,000, Deduct</i>	-0.33	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131 SF 1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.74	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0132 SF 1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	0.84	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0133 SF 2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	1.64	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
 09 91 13 00-0134 Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0135 Paint Exterior Concrete Ceilings (09 91 13 00-0134)		
09 91 13 00-0136 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.18	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0137	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	1.02	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Epoxy Paint, Add</i>	0.10	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.47	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.67	
	<i>For >100 To 250, Add</i>	0.32	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.15	
	<i>For >20,000, Deduct</i>	-0.20	
09 91 13 00-0138	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.12	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Epoxy Paint, Add</i>	0.10	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.54	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.76	
	<i>For >100 To 250, Add</i>	0.36	
	<i>For >250 To 500, Add</i>	0.16	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.11	
	<i>For >10,000 To 20,000, Deduct</i>	-0.17	
	<i>For >20,000, Deduct</i>	-0.22	
09 91 13 00-0139	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.99	
	<i>For Oil Based Paint, Add</i>	0.11	
	<i>For Epoxy Paint, Add</i>	0.18	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.43	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.69	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.95	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.34	
	<i>For >100 To 250, Add</i>	0.63	
	<i>For >250 To 500, Add</i>	0.27	
	<i>For >2,500 To 5,000, Deduct</i>	-0.10	
	<i>For >5,000 To 10,000, Deduct</i>	-0.20	
	<i>For >10,000 To 20,000, Deduct</i>	-0.30	
	<i>For >20,000, Deduct</i>	-0.40	
09 91 13 00-0140	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.78	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Epoxy Paint, Add</i>	0.09	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.49	
	<i>For >100 To 250, Add</i>	0.23	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.08	
	<i>For >10,000 To 20,000, Deduct</i>	-0.12	
	<i>For >20,000, Deduct</i>	-0.16	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0141 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.87	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0142 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.63	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 13 00-0143 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0144 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0145	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.15	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.15	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 13 00-0146			Drywall/Plaster <small>(09 91 13 00-0134)</small>		
09 91 13 00-0147	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.18	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Epoxy Paint, Add</i>	0.02	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.12	
			<i>For >100 To 250, Add</i>	0.06	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.03	
			<i>For >20,000, Deduct</i>	-0.04	
			<i>For Epoxy Paint, Add</i>	0.02	
09 91 13 00-0148	SF		1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.03	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Orange Peel Finish, Add</i>	0.14	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.68	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.21	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91 13 00-0149	SF		1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.12	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Orange Peel Finish, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.54	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	
			<i>For Epoxy Paint, Add</i>	0.10	



	Finishes	09
	Painting and Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0150 SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	2.00	
For Oil Based Paint, Add	0.11	
For Orange Peel Finish, Add	0.28	
For Epoxy Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.96	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.34	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
For Epoxy Paint, Add	0.18	
09 91 13 00-0151 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.77	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.09	
09 91 13 00-0152 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.87	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.08	
09 91 13 00-0153 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.62	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.23	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
For Epoxy Paint, Add	0.16	

09	09 Finishes
	09 90 Painting and Coating
	09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0154 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.09	
09 91 13 00-0155 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
For Epoxy Paint, Add	0.08	
09 91 13 00-0156 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.16	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
For Epoxy Paint, Add	0.15	
09 91 13 00-0157 Paint Exterior Wood Ceilings (09 91 13 00-0134)		
09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)		
09 91 13 00-0159 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.21	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.07	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.10	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.14	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0160 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.26	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0161 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.30	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0162 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	2.38	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.30	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.50	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.80	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.55	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000, Deduct	-0.48	
09 91 13 00-0163 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.01	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0164 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.10	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0165	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.94	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.82	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.19	
			<i>For >100 To 250, Add</i>	0.57	
			<i>For >250 To 500, Add</i>	0.25	
			<i>For >2,500 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.19	
			<i>For >10,000 To 20,000, Deduct</i>	-0.29	
			<i>For >20,000, Deduct</i>	-0.39	
09 91 13 00-0166	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.75	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 13 00-0167	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.75	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 13 00-0168	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.36	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.79	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.27	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings (09 91 13 00-0157)



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.88	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.86	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	
09 91 13 00-0171 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.93	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.96	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.33	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0172 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.37	
For Oil Based Paint, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.45	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.75	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.29	
For >100 To 250, Add	1.08	
For >250 To 500, Add	0.47	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.34	
For >10,000 To 20,000, Deduct	-0.51	
For >20,000, Deduct	-0.67	
09 91 13 00-0173 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.66	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0174 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.78	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.19	
For Oil Based Paint, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.35	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.59	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.94	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.89	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.39	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000 To 20,000, Deduct	-0.48	
For >20,000, Deduct	-0.64	
09 91 13 00-0176 SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.19	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0177 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.33	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0178 SF 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	2.38	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.36	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000, Deduct	-0.48	
09 91 13 00-0179 Paint Exterior Metal Ceilings (09 91 13 00-0134)		
09 91 13 00-0180 Paint Exterior Galvanized Ceilings (09 91 13 00-0179)		
Note: Linseed oil or acrylic latex paint.		



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181 SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling.....	1.29	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0182 SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.41	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0183 SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.59	
For Work >15' To 20' Above Floor, Add	0.30	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.50	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.80	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.58	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.52	
09 91 13 00-0184 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	0.99	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0185 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.12	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	1.99	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.19	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0187 SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling.....	0.91	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0188 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.04	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0189 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.67	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)		
Note: Alkyd enamel paint.		
09 91 13 00-0191 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.29	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0192 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.41	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0193 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.59	
For Work >15' To 20' Above Floor, Add	0.30	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.50	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.80	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.58	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.52	
09 91 13 00-0194 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0195 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.22	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0196 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.19	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0197	SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.91	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.47	
	<i>For >100 To 250, Add</i>	0.23	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.14	
	<i>For >20,000, Deduct</i>	-0.18	
09 91 13 00-0198	SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	0.91	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.47	
	<i>For >100 To 250, Add</i>	0.23	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.14	
	<i>For >20,000, Deduct</i>	-0.18	
09 91 13 00-0199	SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.67	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.39	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.53	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.83	
	<i>For >100 To 250, Add</i>	0.41	
	<i>For >250 To 500, Add</i>	0.18	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.17	
	<i>For >10,000 To 20,000, Deduct</i>	-0.25	
	<i>For >20,000, Deduct</i>	-0.33	
09 91 13 00-0200	Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0179)		
09 91 13 00-0201	SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.00	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.51	
	<i>For >100 To 250, Add</i>	0.25	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.15	
	<i>For >20,000, Deduct</i>	-0.20	
09 91 13 00-0202	SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.14	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.41	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.62	
	<i>For >100 To 250, Add</i>	0.30	
	<i>For >250 To 500, Add</i>	0.13	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.11	
	<i>For >10,000 To 20,000, Deduct</i>	-0.17	
	<i>For >20,000, Deduct</i>	-0.23	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203 SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	2.08	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
 09 91 13 00-0204 Paint Exterior Floors (09 91 13)		
09 91 13 00-0205 Paint Exterior Concrete Floors (09 91 13 00-0204)		
09 91 13 00-0206 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.14	
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
09 91 13 00-0207 SF 1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.78	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0208 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.87	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0209 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.63	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.16	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 13 00-0210 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0211 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.75	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.23	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.14	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0213 SF 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.47	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0214 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.58	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0215 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.01	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.15	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0216 SF 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.20	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 13 00-0217 SF 1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	5.25	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.26	
For >5,000 To 10,000, Deduct	-0.53	
For >10,000 To 20,000, Deduct	-0.79	
For >20,000, Deduct	-1.05	
09 91 13 00-0218 SF 1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	6.53	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.39	
For >2,500 To 5,000, Deduct	-0.33	
For >5,000 To 10,000, Deduct	-0.65	
For >10,000 To 20,000, Deduct	-0.98	
For >20,000, Deduct	-1.31	
09 91 13 00-0219 Paint Exterior Wood Floors (09 91 13 00-0204)	0.17	
09 91 13 00-0220 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.17	
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.03	
09 91 13 00-0221 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	0.98	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.06	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0223 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.00	
For Oil Based Paint, Add	0.12	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0224 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.89	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0225 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.97	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0226 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.56	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0227 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.61	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0228 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.75	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0229 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	1.22	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0230 SF 1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.33	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0231 SF 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.66	
For Up To 100, Add	1.45	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.41	
For >2,500 To 5,000, Deduct	-0.33	
For >5,000 To 10,000, Deduct	-0.67	
For >10,000 To 20,000, Deduct	-1.00	
For >20,000, Deduct	-1.33	
09 91 13 00-0232 Paint Exterior Doors And Windows (09 91 13)		
09 91 13 00-0233 Paint Exterior Door Frames (09 91 13 00-0232)		
09 91 13 00-0234 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.31	
For Painting Either Interior Or Exterior Only, Deduct	-0.34	
09 91 13 00-0235 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim.....	1.70	
For Painting Either Interior Or Exterior Only, Deduct	-0.44	
09 91 13 00-0236 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.86	
For Painting Either Interior Or Exterior Only, Deduct	-0.74	
09 91 13 00-0237 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.34	
For Painting Either Interior Or Exterior Only, Deduct	-0.36	
09 91 13 00-0238 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.73	
For Painting Either Interior Or Exterior Only, Deduct	-0.45	
09 91 13 00-0239 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim.....	2.90	
For Painting Either Interior Or Exterior Only, Deduct	-0.76	
09 91 13 00-0240 Paint Exterior Metal Doors (09 91 13 00-0232)		
09 91 13 00-0241 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....	56.53	
Note: One face		
For Half Louvered Door, Add	5.39	
For Full Louvered Door, Add	8.99	
For Electrostatic Painting, Add	8.74	
For >5 To 10, Deduct	-2.83	
For >10 To 25, Deduct	-5.65	
For >25, Deduct	-8.48	
09 91 13 00-0242 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	56.53	
Note: One face		
For Half Louvered Door, Add	5.39	
For Full Louvered Door, Add	8.99	
For Electrostatic Painting, Add	8.74	
For >5 To 10, Deduct	-2.83	
For >10 To 25, Deduct	-5.65	
For >25, Deduct	-8.48	
09 91 13 00-0243 EA 2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	101.62	
Note: One face		
For Half Louvered Door, Add	9.11	
For Full Louvered Door, Add	15.18	
For Electrostatic Painting, Add	16.30	
For >5 To 10, Deduct	-5.08	
For >10 To 25, Deduct	-10.16	
For >25, Deduct	-15.24	
09 91 13 00-0244 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....	101.44	
Note: Both faces		
For Half Louvered Door, Add	9.67	
For Full Louvered Door, Add	16.12	
For Electrostatic Painting, Add	15.69	
For >5 To 10, Deduct	-5.07	
For >10 To 25, Deduct	-10.14	
For >25, Deduct	-15.22	
09 91 13 00-0245 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	101.44	
Note: Both faces		
For Half Louvered Door, Add	9.67	
For Full Louvered Door, Add	16.12	
For Electrostatic Painting, Add	15.69	
For >5 To 10, Deduct	-5.07	
For >10 To 25, Deduct	-10.14	
For >25, Deduct	-15.22	
09 91 13 00-0246 EA 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	183.03	
Note: Both faces		
For Half Louvered Door, Add	16.36	
For Full Louvered Door, Add	27.27	
For Electrostatic Painting, Add	29.40	
For >5 To 10, Deduct	-9.15	
For >10 To 25, Deduct	-18.30	
For >25, Deduct	-27.45	
09 91 13 00-0247 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door	49.48	
Note: One face		
For Half Louvered Door, Add	4.03	
For Full Louvered Door, Add	6.71	
For Electrostatic Painting, Add	8.34	
For >5 To 10, Deduct	-2.47	
For >10 To 25, Deduct	-4.95	
For >25, Deduct	-7.42	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0248 EA 1 Coat Paint, Sprayed, Paint Exterior Metal Door.....	49.47	
Note: One face		
For Half Louvered Door, Add	4.02	
For Full Louvered Door, Add	6.71	
For Electrostatic Painting, Add	8.34	
For >5 To 10, Deduct	-2.47	
For >10 To 25, Deduct	-4.95	
For >25, Deduct	-7.42	
09 91 13 00-0249 EA 2 Coats Paint, Sprayed, Paint Exterior Metal Door.....	90.30	
Note: One face		
For Half Louvered Door, Add	6.80	
For Full Louvered Door, Add	11.33	
For Electrostatic Painting, Add	15.78	
For >5 To 10, Deduct	-4.52	
For >10 To 25, Deduct	-9.03	
For >25, Deduct	-13.55	
09 91 13 00-0250 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door.....	88.79	
Note: Both faces		
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For Electrostatic Painting, Add	14.98	
For >5 To 10, Deduct	-4.44	
For >10 To 25, Deduct	-8.88	
For >25, Deduct	-13.32	
09 91 13 00-0251 EA 1 Coat Paint, Sprayed, Paint Exterior Metal Door.....	88.79	
Note: Both faces		
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For Electrostatic Painting, Add	14.98	
For >5 To 10, Deduct	-4.44	
For >10 To 25, Deduct	-8.88	
For >25, Deduct	-13.32	
09 91 13 00-0252 EA 2 Coats Paint, Sprayed, Paint Exterior Metal Door.....	162.79	
Note: Both faces		
For Half Louvered Door, Add	12.21	
For Full Louvered Door, Add	20.36	
For Electrostatic Painting, Add	28.48	
For >5 To 10, Deduct	-8.14	
For >10 To 25, Deduct	-16.28	
For >25, Deduct	-24.42	
09 91 13 00-0253 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.81	
For Electrostatic Painting, Add	0.33	
09 91 13 00-0254 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.94	
For Electrostatic Painting, Add	0.37	
09 91 13 00-0255 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door.....	6.04	
For Electrostatic Painting, Add	0.73	
09 91 13 00-0256 SF 1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.87	
For Electrostatic Painting, Add	0.34	
09 91 13 00-0257 SF 1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	3.00	
For Electrostatic Painting, Add	0.37	
09 91 13 00-0258 SF 2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	5.81	
For Electrostatic Painting, Add	0.72	
09 91 13 00-0259 Paint Exterior Wood Doors (09 91 13 00-0232)		
09 91 13 00-0260 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....	51.26	
Note: One face		
For Half Louvered Door, Add	5.39	
For Full Louvered Door, Add	8.99	
For >5 To 10, Deduct	-2.56	
For >10 To 25, Deduct	-5.13	
For >25, Deduct	-7.69	
09 91 13 00-0261 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	51.26	
Note: One face		
For Half Louvered Door, Add	5.39	
For Full Louvered Door, Add	8.99	
For >5 To 10, Deduct	-2.56	
For >10 To 25, Deduct	-5.13	
For >25, Deduct	-7.69	
09 91 13 00-0262 EA 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door.....	91.14	
Note: One face		
For Half Louvered Door, Add	9.11	
For Full Louvered Door, Add	15.18	
For >5 To 10, Deduct	-4.56	
For >10 To 25, Deduct	-9.11	
For >25, Deduct	-13.67	
09 91 13 00-0263 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....	91.97	
Note: Both faces		
For Half Louvered Door, Add	9.67	
For Full Louvered Door, Add	16.12	
For >5 To 10, Deduct	-4.60	
For >10 To 25, Deduct	-9.20	
For >25, Deduct	-13.80	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0264 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	91.97	
Note: Both faces		
For Half Louvered Door, Add	9.67	
For Full Louvered Door, Add	16.12	
For >5 To 10, Deduct	-4.60	
For >10 To 25, Deduct	-9.20	
For >25, Deduct	-13.80	
09 91 13 00-0265 EA 2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door.....	164.08	
Note: Both faces		
For Half Louvered Door, Add	16.36	
For Full Louvered Door, Add	27.27	
For >5 To 10, Deduct	-8.20	
For >10 To 25, Deduct	-16.41	
For >25, Deduct	-24.61	
09 91 13 00-0266 EA 1 Coat Primer, Sprayed, Paint Exterior Wood Door.....	43.67	
Note: One face		
For Half Louvered Door, Add	4.02	
For Full Louvered Door, Add	6.71	
For >5 To 10, Deduct	-2.18	
For >10 To 25, Deduct	-4.37	
For >25, Deduct	-6.55	
09 91 13 00-0267 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door.....	43.67	
Note: One face		
For Half Louvered Door, Add	4.02	
For Full Louvered Door, Add	6.71	
For >5 To 10, Deduct	-2.18	
For >10 To 25, Deduct	-4.37	
For >25, Deduct	-6.55	
09 91 13 00-0268 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door.....	78.80	
Note: One face		
For Half Louvered Door, Add	6.80	
For Full Louvered Door, Add	11.34	
For >5 To 10, Deduct	-3.94	
For >10 To 25, Deduct	-7.88	
For >25, Deduct	-11.82	
09 91 13 00-0269 EA 1 Coat Primer, Sprayed, Paint Exterior Wood Door.....	78.37	
Note: Both faces		
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For >5 To 10, Deduct	-3.92	
For >10 To 25, Deduct	-7.84	
For >25, Deduct	-11.76	
09 91 13 00-0270 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door.....	78.37	
Note: Both faces		
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For >5 To 10, Deduct	-3.92	
For >10 To 25, Deduct	-7.84	
For >25, Deduct	-11.76	
09 91 13 00-0271 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door.....	141.94	
Note: Both faces		
For Half Louvered Door, Add	12.21	
For Full Louvered Door, Add	20.36	
For >5 To 10, Deduct	-7.10	
For >10 To 25, Deduct	-14.19	
For >25, Deduct	-21.29	
09 91 13 00-0272 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	2.74	
09 91 13 00-0273 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	2.82	
09 91 13 00-0274 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	5.82	
09 91 13 00-0275 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	2.78	
09 91 13 00-0276 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	2.88	
09 91 13 00-0277 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	5.58	
09 91 13 00-0278 Paint Exterior Metal Windows (09 91 13 00-0232)		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim.....	94.25	
For Electrostatic Painting, Add	11.48	
For >5 To 10, Deduct	-4.71	
For >10 To 25, Deduct	-9.43	
For >25, Deduct	-14.14	
09 91 13 00-0280 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim.....	114.09	
For Electrostatic Painting, Add	14.58	
For >5 To 10, Deduct	-5.70	
For >10 To 25, Deduct	-11.41	
For >25, Deduct	-17.11	
09 91 13 00-0281 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim.....	153.98	
For Electrostatic Painting, Add	19.90	
For >5 To 10, Deduct	-7.70	
For >10 To 25, Deduct	-15.40	
For >25, Deduct	-23.10	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0282 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	173.39	
For Electrostatic Painting, Add	22.43	
For >5 To 10, Deduct	-8.67	
For >10 To 25, Deduct	-17.34	
For >25, Deduct	-26.01	
09 91 13 00-0283 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	192.26	
For Electrostatic Painting, Add	24.82	
For >5 To 10, Deduct	-9.61	
For >10 To 25, Deduct	-19.23	
For >25, Deduct	-28.84	
09 91 13 00-0284 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	6.10	
For Electrostatic Painting, Add	0.79	
09 91 13 00-0285 Paint Exterior Wood Windows (09 91 13 00-0232)		
Note: Two finish coats paint over primer.		
09 91 13 00-0286 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	90.75	
For >5 To 10, Deduct	-4.54	
For >10 To 25, Deduct	-9.08	
For >25, Deduct	-13.61	
09 91 13 00-0287 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	108.68	
For >5 To 10, Deduct	-5.43	
For >10 To 25, Deduct	-10.87	
For >25, Deduct	-16.30	
09 91 13 00-0288 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	146.29	
For >5 To 10, Deduct	-7.31	
For >10 To 25, Deduct	-14.63	
For >25, Deduct	-21.94	
09 91 13 00-0289 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	164.70	
For >5 To 10, Deduct	-8.24	
For >10 To 25, Deduct	-16.47	
For >25, Deduct	-24.71	
09 91 13 00-0290 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	182.71	
For >5 To 10, Deduct	-9.14	
For >10 To 25, Deduct	-18.27	
For >25, Deduct	-27.41	
09 91 13 00-0291 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	6.11	
09 91 13 00-0292 Paint Exterior Security Screens (09 91 13 00-0232)		
09 91 13 00-0293 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.58	
For Electrostatic Painting, Add	0.20	
09 91 13 00-0294 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.62	
For Electrostatic Painting, Add	0.20	
09 91 13 00-0295 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen.....	2.68	
For Electrostatic Painting, Add	0.33	
09 91 13 00-0296 Paint Exterior Window Guards (09 91 13 00-0232)		
09 91 13 00-0297 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.58	
09 91 13 00-0298 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.62	
09 91 13 00-0299 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards.....	2.68	
09 91 13 00-0300 Paint Exterior Window Trim (09 91 13 00-0232)		
09 91 13 00-0301 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.41	
09 91 13 00-0302 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.41	
09 91 13 00-0303 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.25	
09 91 13 00-0304 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.64	
09 91 13 00-0305 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.64	
09 91 13 00-0306 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.72	
09 91 13 00-0307 Paint Exterior Roofing And Trim (09 91 13)		
09 91 13 00-0308 Paint Stain Or Seal Wood Roofing (09 91 13 00-0307)		
09 91 13 00-0309 SF 1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake.....	1.96	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 91 13 00-0310 SF 2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake.....	3.58	
For Up To 100, Add	1.91	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.41	
09 91 13 00-0311 Paint Metal Roofing (09 91 13 00-0307)		

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	0.90	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
09 91	13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.57	
			<i>For Up To 100, Add</i>	0.79	
			<i>For >100 To 250, Add</i>	0.39	
			<i>For >250 To 500, Add</i>	0.17	
09 91	13 00-0314		Paint Fascia Board <small>(09 91 13 00-0307)</small>		
09 91	13 00-0315	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board.....	0.80	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
09 91	13 00-0316	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.80	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
09 91	13 00-0317	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.41	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
09 91	13 00-0318		Paint Soffit <small>(09 91 13 00-0307)</small>		
09 91	13 00-0319	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	0.93	
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
09 91	13 00-0320	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit.....	0.93	
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
09 91	13 00-0321	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit.....	1.59	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 250, Add</i>	0.39	
			<i>For >250 To 500, Add</i>	0.17	
09 91	13 00-0322		Paint Metal Surfaces <small>(09 91 13)</small>		
			Note: Tasks can be used for exterior or interior applications.		
09 91	13 00-0323		Paint Structural Steel <small>(09 91 13 00-0322)</small>		
09 91	13 00-0324		Paint Structural Steel, Brush Work <small>(09 91 13 00-0323)</small>		
09 91	13 00-0325	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.10	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91	13 00-0326	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	0.96	
			<i>For Up To 100, Add</i>	0.60	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For Epoxy Paint, Add</i>	0.11	
09 91	13 00-0327		Paint Structural Steel, Spray Work <small>(09 91 13 00-0323)</small>		
09 91	13 00-0328	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.77	
			<i>For Electrostatic Painting, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.46	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0329	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel.....	0.63	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91	13 00-0330		Paint Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0323)</small>		
09 91	13 00-0331	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	0.87	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0332	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.87	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.10	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0333 SF 2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.45	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For Epoxy Paint, Add	0.19	
09 91 13 00-0334 SF 1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.33	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For Epoxy Paint, Add	0.18	
09 91 13 00-0335 SF 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.30	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For Epoxy Paint, Add	0.17	
09 91 13 00-0336 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.46	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For Epoxy Paint, Add	0.33	
09 91 13 00-0337 SF 1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.06	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.14	
09 91 13 00-0338 SF 1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.06	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.14	
09 91 13 00-0339 SF 2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	1.79	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For Epoxy Paint, Add	0.26	
09 91 13 00-0340 Paint Steel Pipes <small>(09 91 13 00-0322)</small>		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0341 LF 1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.85	
For Electrostatic Painting, Add	0.23	
For Epoxy Paint, Add	0.18	
09 91 13 00-0342 LF 1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.07	
For Electrostatic Painting, Add	0.26	
For Epoxy Paint, Add	0.21	
09 91 13 00-0343 LF 1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.33	
For Electrostatic Painting, Add	0.29	
For Epoxy Paint, Add	0.24	
09 91 13 00-0344 LF 1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	2.92	
For Electrostatic Painting, Add	0.36	
For Epoxy Paint, Add	0.29	
09 91 13 00-0345 LF 1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	3.70	
For Electrostatic Painting, Add	0.46	
For Epoxy Paint, Add	0.37	
09 91 13 00-0346 LF 1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.85	
For Electrostatic Painting, Add	0.23	
For Epoxy Paint, Add	0.18	
09 91 13 00-0347 LF 1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.07	
For Electrostatic Painting, Add	0.26	
For Epoxy Paint, Add	0.21	
09 91 13 00-0348 LF 1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.33	
For Electrostatic Painting, Add	0.29	
For Epoxy Paint, Add	0.24	
09 91 13 00-0349 LF 1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	2.92	
For Electrostatic Painting, Add	0.36	
For Epoxy Paint, Add	0.29	
09 91 13 00-0350 LF 1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	3.70	
For Electrostatic Painting, Add	0.46	
For Epoxy Paint, Add	0.37	
09 91 13 00-0351 LF 2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	3.73	
For Electrostatic Painting, Add	0.49	
For Epoxy Paint, Add	0.42	
09 91 13 00-0352 LF 2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.14	
For Electrostatic Painting, Add	0.52	
For Epoxy Paint, Add	0.42	
09 91 13 00-0353 LF 2 Coats Paint, 4" Diameter, Paint Steel Pipes	4.47	
For Electrostatic Painting, Add	0.56	
For Epoxy Paint, Add	0.46	
09 91 13 00-0354 LF 2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	5.66	
For Electrostatic Painting, Add	0.71	
For Epoxy Paint, Add	0.57	
09 91 13 00-0355 LF 2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	6.96	
For Electrostatic Painting, Add	0.88	
For Epoxy Paint, Add	0.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0356 EA 1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	9.22	
For Electrostatic Painting, Add	0.97	
For Epoxy Paint, Add	0.55	
09 91 13 00-0357 Paint Metal Louvers (09 91 13 00-0322)		
09 91 13 00-0358 SF 1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	1.52	
For Electrostatic Painting, Add	0.18	
09 91 13 00-0359 SF 1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.54	
For Electrostatic Painting, Add	0.18	
09 91 13 00-0360 SF 2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	3.17	
For Electrostatic Painting, Add	0.38	
09 91 13 00-0361 Paint Ladders (09 91 13 00-0322)		
09 91 13 00-0362 LF 1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	4.19	
For Epoxy Paint, Add	0.25	
09 91 13 00-0363 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	4.69	
For Epoxy Paint, Add	0.28	
09 91 13 00-0364 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	9.24	
For Epoxy Paint, Add	0.52	
09 91 13 00-0365 Paint Handrails (09 91 13 00-0322)		
09 91 13 00-0366 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.67	
For Epoxy Paint, Add	0.13	
09 91 13 00-0367 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.85	
For Epoxy Paint, Add	0.14	
09 91 13 00-0368 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	3.05	
For Epoxy Paint, Add	0.20	
09 91 13 00-0369 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	3.01	
For Epoxy Paint, Add	0.36	
09 91 13 00-0370 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	3.29	
For Epoxy Paint, Add	0.37	
09 91 13 00-0371 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	5.65	
For Epoxy Paint, Add	0.60	
09 91 13 00-0372 LF 1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	3.24	
For Epoxy Paint, Add	0.37	
09 91 13 00-0373 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	3.55	
For Epoxy Paint, Add	0.39	
09 91 13 00-0374 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	6.00	
For Epoxy Paint, Add	0.62	
09 91 13 00-0375 LF 1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.81	
For Epoxy Paint, Add	0.20	
09 91 13 00-0376 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.99	
For Epoxy Paint, Add	0.20	
09 91 13 00-0377 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.64	
For Epoxy Paint, Add	0.39	
09 91 13 00-0378 Paint Grating (09 91 13 00-0322)		
09 91 13 00-0379 SF 1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames.....	3.05	
For Epoxy Paint, Add	0.20	
09 91 13 00-0380 SF 1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames.....	3.10	
For Epoxy Paint, Add	0.22	
09 91 13 00-0381 SF 2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	4.64	
For Epoxy Paint, Add	0.35	
09 91 13 00-0382 Equipment And Tanks (09 91 13 00-0322)		
09 91 13 00-0383 Paint Valves (09 91 13 00-0382)		
Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0384 EA Prime And Paint 4" And Smaller Valve	31.30	
09 91 13 00-0385 EA Prime And Paint 6" To 10" Valve	38.34	
09 91 13 00-0386 EA Prime And Paint 12" To 18" Valve	50.46	
09 91 13 00-0387 EA Prime And Paint 20" To 24" Valve	67.69	
09 91 13 00-0388 EA Prime And Paint >24" To 36" Valve	91.96	
09 91 13 00-0389 EA Prime And Paint >36" To 48" Valve	125.19	
09 91 13 00-0390 Paint Pumps And Motors (09 91 13 00-0382)		
Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0391 EA Prime And Paint Pump Under 1 HP.....	95.83	
09 91 13 00-0392 EA Prime And Paint Pump, 1 HP To 5 HP.....	125.89	
09 91 13 00-0393 EA Prime And Paint Pump, >5 HP To 10 HP	150.86	
09 91 13 00-0394 EA Prime And Paint Pump, >10 HP To 20 HP	168.79	
09 91 13 00-0395 EA Prime And Paint Pump, >20 HP To 30 HP	196.92	
09 91 13 00-0396 EA Prime And Paint Pump, >30 HP To 50 HP	225.04	
09 91 13 00-0397 EA Prime And Paint Pump, >50 HP To 75 HP	248.09	
09 91 13 00-0398 EA Prime And Paint Pump, >75 HP.....	281.32	



Finishes	09	
Painting and Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0399 Paint Storage Tanks <small>(09 91 13 00-0382)</small>		
09 91 13 00-0400 SF 1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.19	
09 91 13 00-0401 SF 1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.56	
09 91 13 00-0402 SF 2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	2.97	
09 91 13 00-0403 SF 1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.63	
09 91 13 00-0404 SF 1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.04	
09 91 13 00-0405 SF 2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	3.92	
09 91 13 00-0406 SF 1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.20	
09 91 13 00-0407 SF 1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.46	
09 91 13 00-0408 SF 2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	2.83	
09 91 13 00-0409 SF 1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.38	
09 91 13 00-0410 SF 1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	1.81	
09 91 13 00-0411 SF 2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	3.49	
09 91 13 00-0412 Other Site Work Painting <small>(09 91 13)</small>		
09 91 13 00-0413 Paint Fencing <small>(09 91 13 00-0412)</small>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0414 SF 1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.92	
<i>For Epoxy Paint, Add</i>	<i>0.10</i>	
<i>For Up To 100, Add</i>	<i>0.59</i>	
<i>For >100 To 250, Add</i>	<i>0.28</i>	
<i>For >250 To 500, Add</i>	<i>0.12</i>	
09 91 13 00-0415 SF 2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.73	
<i>For Epoxy Paint, Add</i>	<i>0.19</i>	
<i>For Up To 100, Add</i>	<i>1.09</i>	
<i>For >100 To 250, Add</i>	<i>0.52</i>	
<i>For >250 To 500, Add</i>	<i>0.22</i>	
09 91 13 00-0416 SF 1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.78	
<i>For Epoxy Paint, Add</i>	<i>0.11</i>	
<i>For Electrostatic Painting, Add</i>	<i>0.11</i>	
<i>For Up To 100, Add</i>	<i>0.45</i>	
<i>For >100 To 250, Add</i>	<i>0.22</i>	
<i>For >250 To 500, Add</i>	<i>0.10</i>	
09 91 13 00-0417 SF 2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.45	
<i>For Epoxy Paint, Add</i>	<i>0.20</i>	
<i>For Electrostatic Painting, Add</i>	<i>0.21</i>	
<i>For Up To 100, Add</i>	<i>0.82</i>	
<i>For >100 To 250, Add</i>	<i>0.40</i>	
<i>For >250 To 500, Add</i>	<i>0.17</i>	
09 91 13 00-0418 SF 1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.84	
<i>For Epoxy Paint, Add</i>	<i>0.11</i>	
<i>For Up To 100, Add</i>	<i>0.50</i>	
<i>For >100 To 250, Add</i>	<i>0.24</i>	
<i>For >250 To 500, Add</i>	<i>0.10</i>	
09 91 13 00-0419 SF 1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.79	
<i>For Epoxy Paint, Add</i>	<i>0.09</i>	
<i>For Up To 100, Add</i>	<i>0.49</i>	
<i>For >100 To 250, Add</i>	<i>0.23</i>	
<i>For >250 To 500, Add</i>	<i>0.10</i>	
09 91 13 00-0420 SF Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.56	
<i>For Epoxy Paint, Add</i>	<i>0.08</i>	
<i>For Up To 100, Add</i>	<i>0.32</i>	
<i>For >100 To 250, Add</i>	<i>0.15</i>	
<i>For >250 To 500, Add</i>	<i>0.07</i>	
09 91 13 00-0421 SF 1 Coat Primer, Brush/Roller, Paint Picket Fence	1.09	
<i>For Epoxy Paint, Add</i>	<i>0.08</i>	
<i>For Up To 100, Add</i>	<i>0.76</i>	
<i>For >100 To 250, Add</i>	<i>0.36</i>	
<i>For >250 To 500, Add</i>	<i>0.15</i>	
09 91 13 00-0422 SF 1 Coat Paint, Brush/Roller, Paint Picket Fence	1.09	
<i>For Epoxy Paint, Add</i>	<i>0.08</i>	
<i>For Up To 100, Add</i>	<i>0.76</i>	
<i>For >100 To 250, Add</i>	<i>0.36</i>	
<i>For >250 To 500, Add</i>	<i>0.15</i>	
09 91 13 00-0423 SF Each Additional Coat, Brush/Roller, Paint Picket Fence	0.77	
<i>For Epoxy Paint, Add</i>	<i>0.07</i>	
<i>For Up To 100, Add</i>	<i>0.52</i>	
<i>For >100 To 250, Add</i>	<i>0.24</i>	
<i>For >250 To 500, Add</i>	<i>0.11</i>	
09 91 13 00-0424 SF 1 Coat Paint, Brush/Roller, Paint Wood Fences	0.78	
<i>For Up To 100, Add</i>	<i>0.49</i>	
<i>For >100 To 250, Add</i>	<i>0.23</i>	
<i>For >250 To 500, Add</i>	<i>0.10</i>	
09 91 13 00-0425 SF 2 Coats Paint, Brush/Roller, Paint Wood Fences	1.39	
<i>For Up To 100, Add</i>	<i>0.85</i>	
<i>For >100 To 250, Add</i>	<i>0.41</i>	
<i>For >250 To 500, Add</i>	<i>0.18</i>	
09 91 13 00-0426 SF 1 Coat Paint, Sprayed, Paint Wood Fences	0.58	
<i>For Up To 100, Add</i>	<i>0.34</i>	
<i>For >100 To 250, Add</i>	<i>0.16</i>	
<i>For >250 To 500, Add</i>	<i>0.07</i>	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0427 SF 2 Coats Paint, Sprayed, Paint Wood Fences.....	1.08	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 91 13 00-0428 Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0412)		
09 91 13 00-0429 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.29	
09 91 13 00-0430 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.30	
09 91 13 00-0431 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	5.86	
09 91 13 00-0432 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	1.90	
09 91 13 00-0433 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	1.91	
09 91 13 00-0434 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	3.54	
09 91 13 00-0435 Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0412)		
09 91 13 00-0436 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	4.07	
09 91 13 00-0437 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	4.08	
09 91 13 00-0438 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	7.25	
09 91 13 00-0439 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	2.32	
09 91 13 00-0440 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	2.33	
09 91 13 00-0441 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	4.31	
09 91 13 00-0442 Paint Flagpoles (09 91 13 00-0412)		
09 91 13 00-0443 EA 1 Coat Paint, 20' High, Paint Steel Flagpole.....	221.44	
09 91 13 00-0444 EA 1 Coat Paint, 30' High, Paint Steel Flagpole.....	298.28	
09 91 13 00-0445 EA 1 Coat Paint, 40' High, Paint Steel Flagpole.....	375.16	
09 91 13 00-0446 EA 1 Coat Paint, 50' High, Paint Steel Flagpole.....	452.06	
09 91 13 00-0447 EA 1 Coat Paint, 70' High, Paint Steel Flagpole.....	597.98	
09 91 13 00-0448 EA 1 Coat Paint, 80' High, Paint Steel Flagpole.....	673.88	
09 91 13 00-0449 EA 1 Coat Paint, 90' High, Paint Steel Flagpole.....	749.79	
09 91 13 00-0450 Paint Lattice Or Trellis (09 91 13 00-0412)		
09 91 13 00-0451 SF 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	1.49	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 91 13 00-0452 SF 2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	2.76	
For Up To 100, Add	1.88	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.38	
09 91 13 00-0453 Paint Exterior Stairs (09 91 13)		
09 91 13 00-0454 Paint Exterior Concrete Stairs (09 91 13 00-0453)		
09 91 13 00-0455 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	18.15	
09 91 13 00-0456 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	18.15	
09 91 13 00-0457 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	24.22	
09 91 13 00-0458 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	41.53	
09 91 13 00-0459 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	36.31	
09 91 13 00-0460 Paint Exterior Metal Stairs (09 91 13 00-0453)		
09 91 13 00-0461 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	9.54	
For Oil Based Paint, Add	0.51	
09 91 13 00-0462 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	9.54	
For Oil Based Paint, Add	0.51	
09 91 13 00-0463 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	19.09	
For Oil Based Paint, Add	1.03	
09 91 13 00-0464 Paint Exterior Wood Stairs (09 91 13 00-0453)		
09 91 13 00-0465 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	9.35	
09 91 13 00-0466 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	9.35	
09 91 13 00-0467 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	15.42	
09 91 13 00-0468 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	32.73	
09 91 13 00-0469 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	18.70	
09 91 13 00-0470 Paint Exterior Stair Nosing (09 91 13 00-0453)		
09 91 13 00-0471 LF 1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip.....	1.79	
09 91 13 00-0472 Paint Exterior Trim (09 91 13)		
09 91 13 00-0473 Paint Exterior Metal Trim And Gutters (09 91 13 00-0472)		
09 91 13 00-0474 SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....	1.23	
09 91 13 00-0475 SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim.....	1.35	



Finishes	09	
Painting and Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0476 SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.42	
09 91 13 00-0477 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.12	
09 91 13 00-0478 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.22	
09 91 13 00-0479 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.17	
09 91 13 00-0480 LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.94	
09 91 13 00-0481 LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....	2.50	
09 91 13 00-0482 Paint Exterior Wood Trim (09 91 13 00-0472)		
09 91 13 00-0483 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim	1.76	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.59	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.81	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0484 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim	1.91	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.87	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.24	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 13 00-0485 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Trim.....	3.48	
For Oil Based Paint, Add	0.21	
For Work >15' To 20' Above Floor, Add	0.42	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.71	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.22	
For >100 To 250, Add	1.06	
For >250 To 500, Add	0.46	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 20,000, Deduct	-0.52	
For >20,000, Deduct	-0.70	
09 91 13 00-0486 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.39	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0487 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.55	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0488 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	2.88	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.56	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.89	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.77	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000, Deduct	-0.58	
09 91 13 00-0489 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.06	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0490 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.19	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0491 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.24	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.25	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0492 Paint Exterior Miscellaneous Metal Surfaces <small>(09 91 13)</small>		
09 91 13 00-0493 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	1.46	
<i>For Epoxy Paint, Add</i>	0.16	
<i>For Electrostatic Painting, Add</i>	0.19	
09 91 13 00-0494 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.36	
<i>For Epoxy Paint, Add</i>	0.13	
<i>For Electrostatic Painting, Add</i>	0.17	
09 91 13 00-0495 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.75	
<i>For Epoxy Paint, Add</i>	0.27	
<i>For Electrostatic Painting, Add</i>	0.34	
 09 91 23 Interior Painting <small>(09 91)</small>		
Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0322 for additional interior materials.		
09 91 23 00-0001 Paint Interior Walls <small>(09 91 23)</small>		
09 91 23 00-0002 Paint Interior Brick Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0003 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.23	
<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
Note: Applied only to work area above 15' to 20'.		
<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
Note: Applied only to work area above 20' to 30'.		
<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
Note: Applied only to work area above 30' to 40'.		
<i>For Work >40' Above Floor, Add</i>	0.10	
Note: Applied only to work area above 40'.		
<i>For Up To 100, Add</i>	0.15	
<i>For >100 To 250, Add</i>	0.07	
<i>For >250 To 500, Add</i>	0.03	
<i>For >2,500 To 5,000, Deduct</i>	-0.01	
<i>For >5,000 To 10,000, Deduct</i>	-0.02	
<i>For >10,000 To 20,000, Deduct</i>	-0.03	
<i>For >20,000, Deduct</i>	-0.05	
09 91 23 00-0004 SF 1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.15	
<i>For Oil Based Paint, Add</i>	0.07	
<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
Note: Applied only to work area above 15' to 20'.		
<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
Note: Applied only to work area above 20' to 30'.		
<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
Note: Applied only to work area above 30' to 40'.		
<i>For Work >40' Above Floor, Add</i>	0.53	
Note: Applied only to work area above 40'.		
<i>For Up To 100, Add</i>	0.75	
<i>For >100 To 250, Add</i>	0.36	
<i>For >250 To 500, Add</i>	0.15	
<i>For >2,500 To 5,000, Deduct</i>	-0.06	
<i>For >5,000 To 10,000, Deduct</i>	-0.12	
<i>For >10,000 To 20,000, Deduct</i>	-0.17	
<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0005 SF 1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.34	
<i>For Oil Based Paint, Add</i>	0.08	
<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
Note: Applied only to work area above 15' to 20'.		
<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
Note: Applied only to work area above 20' to 30'.		
<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
Note: Applied only to work area above 30' to 40'.		
<i>For Work >40' Above Floor, Add</i>	0.61	
Note: Applied only to work area above 40'.		
<i>For Up To 100, Add</i>	0.87	
<i>For >100 To 250, Add</i>	0.41	
<i>For >250 To 500, Add</i>	0.18	
<i>For >2,500 To 5,000, Deduct</i>	-0.07	
<i>For >5,000 To 10,000, Deduct</i>	-0.13	
<i>For >10,000 To 20,000, Deduct</i>	-0.20	
<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0006 SF 2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.38	
<i>For Oil Based Paint, Add</i>	0.14	
<i>For Work >15' To 20' Above Floor, Add</i>	0.29	
Note: Applied only to work area above 15' to 20'.		
<i>For Work >20' To 30' Above Floor, Add</i>	0.48	
Note: Applied only to work area above 20' to 30'.		
<i>For Work >30' To 40' Above Floor, Add</i>	0.77	
Note: Applied only to work area above 30' to 40'.		
<i>For Work >40' Above Floor, Add</i>	1.06	
Note: Applied only to work area above 40'.		
<i>For Up To 100, Add</i>	1.52	
<i>For >100 To 250, Add</i>	0.72	
<i>For >250 To 500, Add</i>	0.31	
<i>For >2,500 To 5,000, Deduct</i>	-0.12	
<i>For >5,000 To 10,000, Deduct</i>	-0.24	
<i>For >10,000 To 20,000, Deduct</i>	-0.36	
<i>For >20,000, Deduct</i>	-0.48	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0007 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.94	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0008 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls.....	1.16	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0009 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.01	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.20	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0010 SF 1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.79	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0011 SF 1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.87	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0012 SF 2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.50	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0013 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.19	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0014 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	0.98	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0015 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.83	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0016 Paint Interior Concrete Walls (09 91 23 00-0001)	0.18	
09 91 23 00-0017 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.18	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018	SF		1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.98	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0019	SF		1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.08	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0020	SF		2 Coats Paint, Brush Work, Paint Interior Concrete Walls	2.01	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.71	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.97	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 23 00-0021	SF		1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.79	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.90	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0023 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.65	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.56	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0024 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0025 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0026	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.15	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0027	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	1.01	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0028	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.82	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0029	SF		1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.66	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0030			Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0031			Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)		
09 91 23 00-0032	LF		1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.49	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.11	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0033 SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.36	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.85	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0034 SF 1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.58	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.71	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.01	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0035 SF 2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	2.81	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.56	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.89	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.76	
For >100 To 250, Add	0.84	
For >250 To 500, Add	0.36	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.42	
For >20,000, Deduct	-0.56	
09 91 23 00-0036 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.11	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0037 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.23	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0038	SF		2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	2.31	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.69	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.95	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 250, Add</i>	0.66	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000 To 20,000, Deduct</i>	-0.35	
			<i>For >20,000, Deduct</i>	-0.46	
09 91 23 00-0039	SF		1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.86	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0040	SF		1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.05	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0041	SF		2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.90	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.64	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 250, Add</i>	0.48	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.19	
			<i>For >10,000 To 20,000, Deduct</i>	-0.29	
			<i>For >20,000, Deduct</i>	-0.38	
09 91 23 00-0042			Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)		
09 91 23 00-0043	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.24	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.16	
			<i>For >100 To 250, Add</i>	0.07	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.04	
			<i>For >20,000, Deduct</i>	-0.05	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0044 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.26	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0045 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.50	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0046 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	2.72	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.55	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.88	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.73	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.36	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.54	
09 91 23 00-0047 SF 1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.67	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0048 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.06	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.26	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.79	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0050	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	2.26	
			<i>For Oil Based Paint, Add</i>	0.14	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.70	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.96	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 250, Add</i>	0.66	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000 To 20,000, Deduct</i>	-0.34	
			<i>For >20,000, Deduct</i>	-0.45	
09 91 23 00-0051	SF	1	Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.41	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.62	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.88	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	
09 91 23 00-0052	SF	1	Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0053	SF	1	Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.01	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.65	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0055 SF 1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.18	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent <small>(09 91 23 00-0030)</small>	1.30	
09 91 23 00-0057 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	1.30	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0058 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.10	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0059 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	0.93	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0060		Paint Interior Plaster/Drywall Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0061		Paint Interior Plaster/Drywall Walls <small>(09 91 23 00-0060)</small>		
09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.18	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.06	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.09	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.12	
		For >100 To 250, Add	0.06	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	
09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.03	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.14	
		For Epoxy Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.09	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.16	
		For Epoxy Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.99	
		For Oil Based Paint, Add	0.11	
		For Orange Peel Finish, Add	0.28	
		For Epoxy Paint, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.43	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.69	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.95	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.34	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066 SF 3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	2.85	
For Oil Based Paint, Add	0.16	
For Orange Peel Finish, Add	0.40	
For Epoxy Paint, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.37	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.62	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.98	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.90	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000, Deduct	-0.57	
09 91 23 00-0067 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.81	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0068 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.93	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0069 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	1.65	
For Oil Based Paint, Add	0.10	
For Orange Peel Finish, Add	0.23	
For Epoxy Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0070	SF	1	Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0071	SF	1	Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.72	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.08	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0072	SF	2	Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	1.15	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.15	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0073			Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color		
			Paint^(09 91 23 00-0060)		
09 91 23 00-0074	SF	2	Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	1.95	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.54	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.88	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.20	
			<i>For >10,000 To 20,000, Deduct</i>	-0.29	
			<i>For >20,000, Deduct</i>	-0.39	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0075 SF 3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	
09 91 23 00-0076 SF 4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.27	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	
09 91 23 00-0077 Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)	0.81	
09 91 23 00-0078 SF 1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.81	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0079 SF 1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.96	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0080 SF 2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.49	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0081	SF		Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls.....	1.63	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.84	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.16	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.23	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.24	
			<i>For >20,000, Deduct</i>	-0.33	
09 91 23 00-0082			Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0083			Paint Interior Galvanized Walls (09 91 23 00-0082)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0084	SF		1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.26	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.77	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0085	SF		1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.40	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	
09 91 23 00-0086	SF		2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	2.53	
			<i>For Electrostatic Painting, Add</i>	0.34	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.77	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.06	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.53	
			<i>For >100 To 250, Add</i>	0.73	
			<i>For >250 To 500, Add</i>	0.32	
			<i>For >2,500 To 5,000, Deduct</i>	-0.13	
			<i>For >5,000 To 10,000, Deduct</i>	-0.25	
			<i>For >10,000 To 20,000, Deduct</i>	-0.38	
			<i>For >20,000, Deduct</i>	-0.51	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0087 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	0.94	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0088 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	1.09	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0089 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.04	
For Electrostatic Painting, Add	0.28	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 23 00-0090 SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.74	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0091 SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....	0.97	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0092	SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.62	
	<i>For Electrostatic Painting, Add</i>	0.27	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.37	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.51	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.80	
	<i>For >100 To 250, Add</i>	0.39	
	<i>For >250 To 500, Add</i>	0.17	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.16	
	<i>For >10,000 To 20,000, Deduct</i>	-0.24	
	<i>For >20,000, Deduct</i>	-0.32	
09 91 23 00-0093	Paint Interior Aluminum And Aluminum Alloy Walls <small>(09 91 23 00-0082)</small>		
	<i>Note: Alkyd enamel paint.</i>		
09 91 23 00-0094	SF 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.26	
	<i>For Electrostatic Painting, Add</i>	0.17	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.53	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.77	
	<i>For >100 To 250, Add</i>	0.37	
	<i>For >250 To 500, Add</i>	0.16	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.13	
	<i>For >10,000 To 20,000, Deduct</i>	-0.19	
	<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0095	SF 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.40	
	<i>For Electrostatic Painting, Add</i>	0.19	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.61	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.87	
	<i>For >100 To 250, Add</i>	0.42	
	<i>For >250 To 500, Add</i>	0.18	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.14	
	<i>For >10,000 To 20,000, Deduct</i>	-0.21	
	<i>For >20,000, Deduct</i>	-0.28	
09 91 23 00-0096	SF 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.52	
	<i>For Electrostatic Painting, Add</i>	0.34	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.48	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.77	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	1.06	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.53	
	<i>For >100 To 250, Add</i>	0.73	
	<i>For >250 To 500, Add</i>	0.32	
	<i>For >2,500 To 5,000, Deduct</i>	-0.13	
	<i>For >5,000 To 10,000, Deduct</i>	-0.25	
	<i>For >10,000 To 20,000, Deduct</i>	-0.38	
	<i>For >20,000, Deduct</i>	-0.50	



Finishes	09	9
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0097 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.04	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0098 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.18	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0099 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.22	
For Electrostatic Painting, Add	0.33	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.25	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 23 00-0100 SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.82	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0101 SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.97	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0102	SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls 1.62		
	<i>For Electrostatic Painting, Add</i>	0.27	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.37	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.51	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.80	
	<i>For >100 To 250, Add</i>	0.39	
	<i>For >250 To 500, Add</i>	0.17	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.16	
	<i>For >10,000 To 20,000, Deduct</i>	-0.24	
	<i>For >20,000, Deduct</i>	-0.32	
09 91 23 00-0103	Paint Interior Corrugated Metal Walls <small>(09 91 23 00-0082)</small>		
09 91 23 00-0104	SF 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls 0.91		
	<i>For Electrostatic Painting, Add</i>	0.15	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.28	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.44	
	<i>For >100 To 250, Add</i>	0.22	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.14	
	<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0105	SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls 1.22		
	<i>For Electrostatic Painting, Add</i>	0.18	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.45	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.68	
	<i>For >100 To 250, Add</i>	0.33	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.12	
	<i>For >10,000 To 20,000, Deduct</i>	-0.18	
	<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0106	SF 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls 2.04		
	<i>For Electrostatic Painting, Add</i>	0.32	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.19	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.50	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.68	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.05	
	<i>For >100 To 250, Add</i>	0.51	
	<i>For >250 To 500, Add</i>	0.23	
	<i>For >2,500 To 5,000, Deduct</i>	-0.10	
	<i>For >5,000 To 10,000, Deduct</i>	-0.20	
	<i>For >10,000 To 20,000, Deduct</i>	-0.31	
	<i>For >20,000, Deduct</i>	-0.41	
09 91 23 00-0107	Paint Interior Stucco Walls <small>(09 91 23 00-0001)</small>		



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0108	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces.....	0.31	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.21	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.06	
09 91 23 00-0109	SF	1	Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.70	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.83	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.16	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 20,000, Deduct</i>	-0.26	
			<i>For >20,000, Deduct</i>	-0.34	
09 91 23 00-0110	SF	1	Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.88	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.66	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.91	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.27	
			<i>For >100 To 250, Add</i>	0.60	
			<i>For >250 To 500, Add</i>	0.26	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.19	
			<i>For >10,000 To 20,000, Deduct</i>	-0.28	
			<i>For >20,000, Deduct</i>	-0.38	
09 91 23 00-0111	SF	2	Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	3.31	
			<i>For Oil Based Paint, Add</i>	0.19	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.72	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	1.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	2.21	
			<i>For >100 To 250, Add</i>	1.05	
			<i>For >250 To 500, Add</i>	0.45	
			<i>For >2,500 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000 To 10,000, Deduct</i>	-0.33	
			<i>For >10,000 To 20,000, Deduct</i>	-0.50	
			<i>For >20,000, Deduct</i>	-0.66	
09 91 23 00-0112	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.28	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.85	
			<i>For >100 To 250, Add</i>	0.40	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.26	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0113 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.46	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.96	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0114 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	2.66	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.55	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.88	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.22	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.73	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.53	
09 91 23 00-0115 SF 1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces.....	0.87	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0116 SF 1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.07	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0117 SF 2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	2.07	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.85	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.24	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	



Finishes	09	
Painting and Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0118 Paint Interior Wood Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0119 Interior Wood Walls <small>(09 91 23 00-0118)</small>		
09 91 23 00-0120 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.22	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.10	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 23 00-0121 SF 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.27	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0122 SF 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	2.33	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.30	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.50	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.80	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.11	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.56	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	
09 91 23 00-0123 SF 3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	3.32	
For Oil Based Paint, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.42	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.71	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.20	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.45	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.50	
For >20,000, Deduct	-0.66	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0124	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.90	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.58	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0125	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.03	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.21	
09 91 23 00-0126	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.81	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.82	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.36	
09 91 23 00-0127	SF 1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.61	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0128	SF 1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.79	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0129 SF 2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.43	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 23 00-0130 Paint Interior Ceilings (09 91 23)		
09 91 23 00-0131 Paint Interior Acoustical Ceilings (09 91 23 00-0130)		
Note: Includes grid.		
09 91 23 00-0132 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.33	
For Oil Based Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.11	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0133 SF 1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.12	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0134 SF 1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.23	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0135 SF 2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.19	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.77	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.49	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 23 00-0136 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.97	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0137 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.95	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0138 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.77	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	
09 91 23 00-0139 SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0140 SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.78	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0141 SF 2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.25	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0142 Paint Interior Concrete Ceilings (09 91 23 00-0130)		
09 91 23 00-0143 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.20	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.07	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.10	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.14	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 23 00-0144 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.12	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0145	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling.....	1.23	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.44	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.61	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.25	
09 91 23 00-0146	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	2.18	
	For Oil Based Paint, Add	0.12	
	For Epoxy Paint, Add	0.19	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.77	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.06	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.48	
	For >100 To 250, Add	0.70	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 20,000, Deduct	-0.33	
	For >20,000, Deduct	-0.44	
09 91 23 00-0147	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.85	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.38	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 23 00-0148	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.96	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0149 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.78	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.18	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0150 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.76	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0151 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.78	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0152 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.24	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0153 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.15	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0154	SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling .....0.88		
	<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.28	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.38	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.55	
	<i>For >100 To 250, Add</i>	0.26	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.13	
	<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0155	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling .....0.80		
	<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.46	
	<i>For >100 To 250, Add</i>	0.22	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.08	
	<i>For >10,000 To 20,000, Deduct</i>	-0.12	
	<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0156	Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0130) .....0.20		
09 91 23 00-0157	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling .....0.20		
	<i>For Epoxy Paint, Add</i>	0.02	
	<i>For Oil Based Paint, Add</i>	0.01	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.07	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.14	
	<i>For >100 To 250, Add</i>	0.07	
	<i>For >250 To 500, Add</i>	0.03	
	<i>For >2,500 To 5,000, Deduct</i>	-0.01	
	<i>For >5,000 To 10,000, Deduct</i>	-0.02	
	<i>For >10,000 To 20,000, Deduct</i>	-0.03	
	<i>For >20,000, Deduct</i>	-0.04	
09 91 23 00-0158	SF 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling .....1.12		
	<i>For Epoxy Paint, Add</i>	0.10	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Orange Peel Finish, Add</i>	0.16	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.53	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.74	
	<i>For >100 To 250, Add</i>	0.35	
	<i>For >250 To 500, Add</i>	0.15	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.11	
	<i>For >10,000 To 20,000, Deduct</i>	-0.17	
	<i>For >20,000, Deduct</i>	-0.22	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0159 SF 1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.23	
For Epoxy Paint, Add	0.10	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 23 00-0160 SF 2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	2.19	
For Epoxy Paint, Add	0.19	
For Oil Based Paint, Add	0.12	
For Orange Peel Finish, Add	0.31	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.77	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.49	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 23 00-0161 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.97	
For Epoxy Paint, Add	0.10	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0162 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.95	
For Epoxy Paint, Add	0.09	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0163	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.77	
			For Epoxy Paint, Add	0.17	
			For Oil Based Paint, Add	0.10	
			For Orange Peel Finish, Add	0.25	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.83	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	
09 91 23 00-0164	SF		1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.80	
			For Epoxy Paint, Add	0.10	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0165	SF		1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.78	
			For Epoxy Paint, Add	0.09	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0166	SF		2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.25	
			For Epoxy Paint, Add	0.16	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0167			Paint Interior Metal Ceilings (09 91 23 00-0130)		
09 91 23 00-0168			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0167)		
			Note: Linseed oil or acrylic latex paint.		



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0169	SF		1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling.....	1.40	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	
09 91 23 00-0170	SF		1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling.....	1.54	
			<i>For Electrostatic Painting, Add</i>	0.20	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.68	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.31	
09 91 23 00-0171	SF		2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling.....	2.81	
			<i>For Electrostatic Painting, Add</i>	0.37	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.88	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.22	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.75	
			<i>For >100 To 250, Add</i>	0.83	
			<i>For >250 To 500, Add</i>	0.36	
			<i>For >2,500 To 5,000, Deduct</i>	-0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.28	
			<i>For >10,000 To 20,000, Deduct</i>	-0.42	
			<i>For >20,000, Deduct</i>	-0.56	
09 91 23 00-0172	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.08	
			<i>For Electrostatic Painting, Add</i>	0.15	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.22	
09 91 23 00-0173	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.21	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	

09	09 Finishes
	09 90 Painting and Coating
	09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0174 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.24	
For Electrostatic Painting, Add	0.30	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.96	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.38	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	
09 91 23 00-0175 SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	0.97	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0176 SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.12	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0177 SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	1.77	
For Electrostatic Painting, Add	0.28	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	

09 91 23 00-0178 Aluminum And Aluminum Alloy Surface Pretreatment Primer[†] (09 91 23 00-0167)
Note: Alkyd enamel paint.



			Finishes	09
			Painting and Coating	09 90
			Painting	09 91

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0179 SF 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.40	
For Electrostatic Painting, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0180 SF 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.54	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 23 00-0181 SF 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.81	
For Electrostatic Painting, Add	0.37	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.55	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.88	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.22	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.75	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.42	
For >20,000, Deduct	-0.56	
09 91 23 00-0182 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.18	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0183 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.31	
For Electrostatic Painting, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0184 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.48	
For Electrostatic Painting, Add	0.35	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.45	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.71	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.98	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.44	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.50	
09 91 23 00-0185 SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.97	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0186 SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.12	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0187 SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.77	
For Electrostatic Painting, Add	0.28	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	

09 91 23 00-0188 Paint Interior Ceiling Tile Grid (09 91 23 00-0167)
 Note: Grid only.



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0189 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.30	
For Electrostatic Painting, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.04	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.07	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.10	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.14	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 23 00-0190 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.61	
For Electrostatic Painting, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0191 Paint Interior Corrugated Metal Ceilings (09 91 23 00-0167)		
09 91 23 00-0192 SF 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.28	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 23 00-0193 SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.49	
For Electrostatic Painting, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0194	SF		2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.38	
			<i>For Electrostatic Painting, Add</i>	0.38	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.58	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.80	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.23	
			<i>For >100 To 250, Add</i>	0.60	
			<i>For >250 To 500, Add</i>	0.26	
			<i>For >2,500 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.24	
			<i>For >10,000 To 20,000, Deduct</i>	-0.36	
			<i>For >20,000, Deduct</i>	-0.48	
09 91 23 00-0195			Paint Interior Wood Ceilings <small>(09 91 23 00-0130)</small>		
09 91 23 00-0196			Paint Interior Smooth Wood Ceilings <small>(09 91 23 00-0195)</small>		
09 91 23 00-0197	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.23	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.15	
			<i>For >100 To 250, Add</i>	0.07	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.03	
			<i>For >20,000, Deduct</i>	-0.05	
09 91 23 00-0198	SF		1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.37	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.63	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0199	SF		1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.44	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.69	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.29	



	Finishes	09
	Painting and Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0200 SF 2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	2.60	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.55	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.88	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.22	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.72	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.52	
09 91 23 00-0201 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.09	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0202 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.19	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0203 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	2.23	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.45	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.71	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.98	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.40	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.45	
09 91 23 00-0204 SF 1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.81	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0205	SF		1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.97	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0206	SF		2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	1.46	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.86	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.29	
09 91 23 00-0207			Paint Interior Wood Beams <small>(09 91 23 00-0130)</small>		
09 91 23 00-0208	SF		1 Coat Primer, Brush Work, Paint Interior Wood Beams.....	1.52	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.71	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0209	SF		1 Coat Paint, Brush Work, Paint Interior Wood Beams.....	1.56	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.75	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 250, Add</i>	0.50	
			<i>For >250 To 500, Add</i>	0.22	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.31	



	Finishes	09
	Painting and Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0210 SF 2 Coats Paint, Brush Work, Paint Interior Wood Beams.....	2.84	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.37	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.61	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.98	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.90	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000, Deduct	-0.57	
09 91 23 00-0211 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams.....	1.20	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0212 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams.....	1.19	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0213 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams.....	2.23	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.45	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.71	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.98	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.40	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.45	
09 91 23 00-0214 SF 1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	0.97	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0215	SF 1 Coat Paint, Sprayed, Paint Interior Wood Beams	0.96	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0216	SF 2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.60	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.97	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 23 00-0217	Paint Interior Floors And Decks (09 91 23)		
09 91 23 00-0218	Paint Interior Concrete Floors And Decks (09 91 23 00-0217)		
09 91 23 00-0219	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.16	
	For Up To 100, Add	0.11	
	For >100 To 250, Add	0.05	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.02	
	For >20,000, Deduct	-0.03	
09 91 23 00-0220	SF 1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.85	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 23 00-0221	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.95	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0222	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.87	
	For Oil Based Paint, Add	0.11	
	For Epoxy Paint, Add	0.17	
	For Up To 100, Add	1.25	
	For >100 To 250, Add	0.59	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.37	
09 91 23 00-0223	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.83	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.17	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0224	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.82	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0225	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.33	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.14	
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0226	SF	1	Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.61	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0227	SF	1	Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.63	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 23 00-0228	SF	2	Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.10	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.15	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0229	SF	1	Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.88	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0230	SF	1	Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.86	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0231	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.65	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0232	SF	1	Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.41	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0233	SF		1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251).....	6.74	
			<i>For Up To 100, Add</i>	1.51	
			<i>For >100 To 250, Add</i>	0.88	
			<i>For >250 To 500, Add</i>	0.42	
			<i>For >2,500 To 5,000, Deduct</i>	-0.34	
			<i>For >5,000 To 10,000, Deduct</i>	-0.67	
			<i>For >10,000 To 20,000, Deduct</i>	-1.01	
			<i>For >20,000, Deduct</i>	-1.35	
09 91 23 00-0234			Paint Interior Wood Floors And Decks (09 91 23 00-0217)		
09 91 23 00-0235	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.19	
			<i>For Up To 100, Add</i>	0.12	
			<i>For >100 To 250, Add</i>	0.06	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.03	
			<i>For >20,000, Deduct</i>	-0.04	
09 91 23 00-0236	SF		1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.06	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0237	SF		1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.15	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0238	SF		2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.17	
			<i>For Oil Based Paint, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 250, Add</i>	0.66	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.22	
			<i>For >10,000 To 20,000, Deduct</i>	-0.33	
			<i>For >20,000, Deduct</i>	-0.43	
09 91 23 00-0239	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.84	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0240	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.92	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0241	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.82	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 250, Add</i>	0.52	
			<i>For >250 To 500, Add</i>	0.23	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.27	
			<i>For >20,000, Deduct</i>	-0.36	
09 91 23 00-0242	SF		1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0243 SF 1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks.....	0.81	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0244 SF 2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks.....	1.18	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0245 SF 1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.41	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000, Deduct	-0.48	
09 91 23 00-0246 SF 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks.....	6.74	
For Up To 100, Add	1.51	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.42	
For >2,500 To 5,000, Deduct	-0.34	
For >5,000 To 10,000, Deduct	-0.67	
For >10,000 To 20,000, Deduct	-1.01	
For >20,000, Deduct	-1.35	
09 91 23 00-0247 Paint Interior Doors And Windows (09 91 23)		
09 91 23 00-0248 Paint Interior Door Frames (09 91 23 00-0247)		
09 91 23 00-0249 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.31	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.34	
09 91 23 00-0250 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.70	
For Oil Based Paint, Add	0.09	
For Painting One Face Of Frame Only, Deduct	-0.44	
09 91 23 00-0251 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime.....	2.86	
For Oil Based Paint, Add	0.15	
For Painting One Face Of Frame Only, Deduct	-0.74	
09 91 23 00-0252 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.34	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.36	
09 91 23 00-0253 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.73	
For Oil Based Paint, Add	0.09	
For Painting One Face Of Frame Only, Deduct	-0.45	
09 91 23 00-0254 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	2.90	
For Oil Based Paint, Add	0.16	
For Painting One Face Of Frame Only, Deduct	-0.76	
09 91 23 00-0255 Paint Interior Metal Doors (09 91 23 00-0247)		
09 91 23 00-0256 EA 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door.....	60.52	
For Electrostatic Painting, Add	9.14	
For Half Louvered Door, Add	5.99	
For Full Louvered Door, Add	9.99	
For Oil Based Paint, Add	4.06	
For >5 To 10, Deduct	-3.03	
For >10 To 25, Deduct	-6.05	
For >25, Deduct	-9.08	
09 91 23 00-0257 EA 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	60.52	
For Electrostatic Painting, Add	9.14	
For Half Louvered Door, Add	5.99	
For Full Louvered Door, Add	9.99	
For Oil Based Paint, Add	4.06	
For >5 To 10, Deduct	-3.03	
For >10 To 25, Deduct	-6.05	
For >25, Deduct	-9.08	
09 91 23 00-0258 EA 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	108.37	
For Electrostatic Painting, Add	16.97	
For Half Louvered Door, Add	10.12	
For Full Louvered Door, Add	16.87	
For Oil Based Paint, Add	7.46	
For >5 To 10, Deduct	-5.42	
For >10 To 25, Deduct	-10.84	
For >25, Deduct	-16.26	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0259 EA 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	108.59	
For Electrostatic Painting, Add	16.41	
For Half Louvered Door, Add	10.74	
For Full Louvered Door, Add	17.90	
For Oil Based Paint, Add	7.28	
For >5 To 10, Deduct	-5.43	
For >10 To 25, Deduct	-10.86	
For >25, Deduct	-16.29	
09 91 23 00-0260 EA 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	108.60	
For Electrostatic Painting, Add	16.41	
For Half Louvered Door, Add	10.74	
For Full Louvered Door, Add	17.91	
For Oil Based Paint, Add	7.28	
For >5 To 10, Deduct	-5.43	
For >10 To 25, Deduct	-10.86	
For >25, Deduct	-16.29	
09 91 23 00-0261 EA 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	195.14	
For Electrostatic Painting, Add	30.61	
For Half Louvered Door, Add	18.18	
For Full Louvered Door, Add	30.29	
For Oil Based Paint, Add	13.46	
For >5 To 10, Deduct	-9.76	
For >10 To 25, Deduct	-19.51	
For >25, Deduct	-29.27	
09 91 23 00-0262 EA 1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door.....	49.48	
For Electrostatic Painting, Add	8.34	
For Half Louvered Door, Add	4.03	
For Full Louvered Door, Add	6.71	
For Oil Based Paint, Add	3.61	
For >5 To 10, Deduct	-2.47	
For >10 To 25, Deduct	-4.95	
For >25, Deduct	-7.42	
09 91 23 00-0263 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	49.47	
For Electrostatic Painting, Add	8.34	
For Half Louvered Door, Add	4.02	
For Full Louvered Door, Add	6.71	
For Oil Based Paint, Add	3.61	
For >5 To 10, Deduct	-2.47	
For >10 To 25, Deduct	-4.95	
For >25, Deduct	-7.42	
09 91 23 00-0264 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door.....	90.30	
For Electrostatic Painting, Add	15.78	
For Half Louvered Door, Add	6.80	
For Full Louvered Door, Add	11.33	
For Oil Based Paint, Add	6.76	
For >5 To 10, Deduct	-4.52	
For >10 To 25, Deduct	-9.03	
For >25, Deduct	-13.55	
09 91 23 00-0265 EA 1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door.....	88.79	
For Electrostatic Painting, Add	14.98	
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For Oil Based Paint, Add	6.47	
For >5 To 10, Deduct	-4.44	
For >10 To 25, Deduct	-8.88	
For >25, Deduct	-13.32	
09 91 23 00-0266 EA 1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	88.79	
For Electrostatic Painting, Add	14.98	
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For Oil Based Paint, Add	6.47	
For >5 To 10, Deduct	-4.44	
For >10 To 25, Deduct	-8.88	
For >25, Deduct	-13.32	
09 91 23 00-0267 EA 2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	162.79	
For Electrostatic Painting, Add	28.48	
For Half Louvered Door, Add	12.21	
For Full Louvered Door, Add	20.36	
For Oil Based Paint, Add	12.21	
For >5 To 10, Deduct	-8.14	
For >10 To 25, Deduct	-16.28	
For >25, Deduct	-24.42	
09 91 23 00-0268 Paint Interior Wood Doors (09 91 23 00-0247)		
09 91 23 00-0269 EA 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	55.25	
For Oil Based Paint, Add	3.53	
For Half Louvered Door, Add	5.99	
For Full Louvered Door, Add	9.99	
For >5 To 10, Deduct	-2.76	
For >10 To 25, Deduct	-5.53	
For >25, Deduct	-8.29	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0270 EA 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	55.25	
For Oil Based Paint, Add	3.53	
For Half Louvered Door, Add	5.99	
For Full Louvered Door, Add	9.99	
For >5 To 10, Deduct	-2.76	
For >10 To 25, Deduct	-5.53	
For >25, Deduct	-8.29	
09 91 23 00-0271 EA 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	97.89	
For Oil Based Paint, Add	6.42	
For Half Louvered Door, Add	10.12	
For Full Louvered Door, Add	16.87	
For >5 To 10, Deduct	-4.89	
For >10 To 25, Deduct	-9.79	
For >25, Deduct	-14.68	
09 91 23 00-0272 EA 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	99.13	
For Oil Based Paint, Add	6.33	
For Half Louvered Door, Add	10.74	
For Full Louvered Door, Add	17.91	
For >5 To 10, Deduct	-4.96	
For >10 To 25, Deduct	-9.91	
For >25, Deduct	-14.87	
09 91 23 00-0273 EA 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	99.13	
For Oil Based Paint, Add	6.33	
For Half Louvered Door, Add	10.74	
For Full Louvered Door, Add	17.91	
For >5 To 10, Deduct	-4.96	
For >10 To 25, Deduct	-9.91	
For >25, Deduct	-14.87	
09 91 23 00-0274 EA 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	176.19	
For Oil Based Paint, Add	11.56	
For Half Louvered Door, Add	18.18	
For Full Louvered Door, Add	30.29	
For >5 To 10, Deduct	-8.81	
For >10 To 25, Deduct	-17.62	
For >25, Deduct	-26.43	
09 91 23 00-0275 EA 1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	43.67	
For Oil Based Paint, Add	3.03	
For Half Louvered Door, Add	4.02	
For Full Louvered Door, Add	6.71	
For >5 To 10, Deduct	-2.18	
For >10 To 25, Deduct	-4.37	
For >25, Deduct	-6.55	
09 91 23 00-0276 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	43.67	
For Oil Based Paint, Add	3.03	
For Half Louvered Door, Add	4.02	
For Full Louvered Door, Add	6.71	
For >5 To 10, Deduct	-2.18	
For >10 To 25, Deduct	-4.37	
For >25, Deduct	-6.55	
09 91 23 00-0277 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	78.80	
For Oil Based Paint, Add	5.61	
For Half Louvered Door, Add	6.80	
For Full Louvered Door, Add	11.34	
For >5 To 10, Deduct	-3.94	
For >10 To 25, Deduct	-7.88	
For >25, Deduct	-11.82	
09 91 23 00-0278 EA 1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	78.37	
For Oil Based Paint, Add	5.43	
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For >5 To 10, Deduct	-3.92	
For >10 To 25, Deduct	-7.84	
For >25, Deduct	-11.76	
09 91 23 00-0279 EA 1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	78.37	
For Oil Based Paint, Add	5.43	
For Half Louvered Door, Add	7.22	
For Full Louvered Door, Add	12.03	
For >5 To 10, Deduct	-3.92	
For >10 To 25, Deduct	-7.84	
For >25, Deduct	-11.76	
09 91 23 00-0280 EA 2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	141.94	
For Oil Based Paint, Add	10.12	
For Half Louvered Door, Add	12.21	
For Full Louvered Door, Add	20.36	
For >5 To 10, Deduct	-7.10	
For >10 To 25, Deduct	-14.19	
For >25, Deduct	-21.29	

09 91 23 00-0281 Paint Interior Metal Windows (09 91 23 00-0247)
 Note: Two finish coats paint over rust inhibitive primer.

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0282 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	103.21	
For Oil Based Paint, Add	5.84	
For Electrostatic Painting, Add	12.37	
For >5 To 10, Deduct	-5.16	
For >10 To 25, Deduct	-10.32	
For >25, Deduct	-15.48	
09 91 23 00-0283 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	124.42	
For Oil Based Paint, Add	7.28	
For Electrostatic Painting, Add	15.61	
For >5 To 10, Deduct	-6.22	
For >10 To 25, Deduct	-12.44	
For >25, Deduct	-18.66	
09 91 23 00-0284 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	167.75	
For Oil Based Paint, Add	9.89	
For Electrostatic Painting, Add	21.28	
For >5 To 10, Deduct	-8.39	
For >10 To 25, Deduct	-16.78	
For >25, Deduct	-25.16	
09 91 23 00-0285 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	188.89	
For Oil Based Paint, Add	11.14	
For Electrostatic Painting, Add	23.98	
For >5 To 10, Deduct	-9.44	
For >10 To 25, Deduct	-18.89	
For >25, Deduct	-28.33	
09 91 23 00-0286 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	209.48	
For Oil Based Paint, Add	12.34	
For Electrostatic Painting, Add	26.54	
For >5 To 10, Deduct	-10.47	
For >10 To 25, Deduct	-20.95	
For >25, Deduct	-31.42	
09 91 23 00-0287 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	6.66	
For Oil Based Paint, Add	0.39	
For Electrostatic Painting, Add	0.84	
09 91 23 00-0288 Paint Interior Wood Windows (09 91 23 00-0247)		
Note: Two finish coats paint over primer.		
09 91 23 00-0289 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	99.71	
For Oil Based Paint, Add	5.49	
For >5 To 10, Deduct	-4.99	
For >10 To 25, Deduct	-9.97	
For >25, Deduct	-14.96	
09 91 23 00-0290 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	119.01	
For Oil Based Paint, Add	6.74	
For >5 To 10, Deduct	-5.95	
For >10 To 25, Deduct	-11.90	
For >25, Deduct	-17.85	
09 91 23 00-0291 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	163.95	
For Oil Based Paint, Add	9.31	
For >5 To 10, Deduct	-8.20	
For >10 To 25, Deduct	-16.40	
For >25, Deduct	-24.59	
09 91 23 00-0292 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	184.59	
For Oil Based Paint, Add	10.49	
For >5 To 10, Deduct	-9.23	
For >10 To 25, Deduct	-18.46	
For >25, Deduct	-27.69	
09 91 23 00-0293 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	199.93	
For Oil Based Paint, Add	11.38	
For >5 To 10, Deduct	-10.00	
For >10 To 25, Deduct	-19.99	
For >25, Deduct	-29.99	
09 91 23 00-0294 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work.....	6.69	
For Oil Based Paint, Add	0.38	
09 91 23 00-0295 Paint Interior Security Screens (09 91 23 00-0247)		
09 91 23 00-0296 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.58	
For Oil Based Paint, Add	0.09	
For Electrostatic Painting, Add	0.20	
09 91 23 00-0297 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen.....	1.62	
For Oil Based Paint, Add	0.09	
For Electrostatic Painting, Add	0.20	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0298 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen..... <i>For Oil Based Paint, Add</i> <i>For Electrostatic Painting, Add</i>	2.68 0.15 0.33	
09 91 23 00-0299 Paint Interior Window Guards (09 91 23 00-0247)		
09 91 23 00-0300 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards <i>For Oil Based Paint, Add</i>	1.58 0.09	
09 91 23 00-0301 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards..... <i>For Oil Based Paint, Add</i>	1.62 0.09	
09 91 23 00-0302 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards..... <i>For Oil Based Paint, Add</i>	2.68 0.15	
09 91 23 00-0303 Paint Interior Window Trim (09 91 23 00-0247)		
09 91 23 00-0304 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	1.53 0.09 -0.43	
09 91 23 00-0305 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	1.53 0.09 -0.43	
09 91 23 00-0306 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	3.34 0.20 -0.92	
09 91 23 00-0307 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	1.70 -0.49	
09 91 23 00-0308 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	1.70 -0.49	
09 91 23 00-0309 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	3.67 -1.05	
09 91 23 00-0310 Paint Interior Cabinets And Casework (09 91 23)		
09 91 23 00-0311 Paint Interior Wood Cabinets And Casework (09 91 23 00-0310)		
09 91 23 00-0312 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.45 -0.07 -0.15 -0.22	
09 91 23 00-0313 SF 1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	2.00 -0.10 -0.20 -0.30	
09 91 23 00-0314 SF 1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	3.19 -0.16 -0.32 -0.48	
09 91 23 00-0315 Paint Exposed Metal Lockers And Cabinets (09 91 23 00-0310)		
09 91 23 00-0316 SF 1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.46 -0.07 -0.15 -0.22	
09 91 23 00-0317 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.49 -0.07 -0.15 -0.22	
09 91 23 00-0318 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	2.75 -0.14 -0.28 -0.41	
09 91 23 00-0319 Paint Interior Stairs (09 91 23)		
09 91 23 00-0320 Paint Interior Concrete Stairs (09 91 23 00-0319) Note: Includes the riser and tread.		
09 91 23 00-0321 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	20.10	
09 91 23 00-0322 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	20.10	
09 91 23 00-0323 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)..... Note: Excludes riser.	16.40	
09 91 23 00-0324 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)..... Note: Excludes riser.	33.71	
09 91 23 00-0325 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	40.22	
09 91 23 00-0326 Paint Interior Metal Stairs (09 91 23 00-0319) Note: Includes the riser and tread.		

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91 23 00-0327	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	10.94	
	09 91 23 00-0328	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	10.52	
	09 91 23 00-0329	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	21.04	
09 91 23 00-0330	Paint Interior Wood Stairs (09 91 23 00-0319)				
	Note: Includes the riser and tread.				
	09 91 23 00-0331	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	10.33	
	09 91 23 00-0332	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	10.33	
	09 91 23 00-0333	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	11.51	
	Note: Excludes riser.				
	09 91 23 00-0334	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	28.82	
	Note: Excludes riser.				
	09 91 23 00-0335	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	20.65	
09 91 23 00-0336	Paint Interior Stair Nosing (09 91 23 00-0319)				
	09 91 23 00-0337	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	1.79	
09 91 23 00-0338	Paint Interior Trim (09 91 23)				
09 91 23 00-0339	Paint Interior Metal Trim (09 91 23 00-0338)				
	09 91 23 00-0340	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.35	
	For Work >15' To 20' Above Floor, Add			0.17	
	Note: Applied only to work area above 15' to 20'.				
	For Work >20' To 30' Above Floor, Add			0.29	
	Note: Applied only to work area above 20' to 30'.				
	For Work >30' To 40' Above Floor, Add			0.46	
	Note: Applied only to work area above 30' to 40'.				
	For Work >40' Above Floor, Add			0.63	
	Note: Applied only to work area above 40'.				
	09 91 23 00-0341	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.47	
	For Work >15' To 20' Above Floor, Add			0.19	
	Note: Applied only to work area above 15' to 20'.				
	For Work >20' To 30' Above Floor, Add			0.32	
	Note: Applied only to work area above 20' to 30'.				
	For Work >30' To 40' Above Floor, Add			0.51	
	Note: Applied only to work area above 30' to 40'.				
	For Work >40' Above Floor, Add			0.70	
	Note: Applied only to work area above 40'.				
	09 91 23 00-0342	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim.....	2.65	
	For Work >15' To 20' Above Floor, Add			0.34	
	Note: Applied only to work area above 15' to 20'.				
	For Work >20' To 30' Above Floor, Add			0.57	
	Note: Applied only to work area above 20' to 30'.				
	For Work >30' To 40' Above Floor, Add			0.90	
	Note: Applied only to work area above 30' to 40'.				
	For Work >40' Above Floor, Add			1.24	
	Note: Applied only to work area above 40'.				
	09 91 23 00-0343	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.12	
	For Work >15' To 20' Above Floor, Add			0.14	
	Note: Applied only to work area above 15' to 20'.				
	For Work >20' To 30' Above Floor, Add			0.23	
	Note: Applied only to work area above 20' to 30'.				
	For Work >30' To 40' Above Floor, Add			0.37	
	Note: Applied only to work area above 30' to 40'.				
	For Work >40' Above Floor, Add			0.51	
	Note: Applied only to work area above 40'.				
	09 91 23 00-0344	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.22	
	For Work >15' To 20' Above Floor, Add			0.15	
	Note: Applied only to work area above 15' to 20'.				
	For Work >20' To 30' Above Floor, Add			0.26	
	Note: Applied only to work area above 20' to 30'.				
	For Work >30' To 40' Above Floor, Add			0.41	
	Note: Applied only to work area above 30' to 40'.				
	For Work >40' Above Floor, Add			0.56	
	Note: Applied only to work area above 40'.				
	09 91 23 00-0345	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.19	
	For Work >15' To 20' Above Floor, Add			0.27	
	Note: Applied only to work area above 15' to 20'.				
	For Work >20' To 30' Above Floor, Add			0.45	
	Note: Applied only to work area above 20' to 30'.				
	For Work >30' To 40' Above Floor, Add			0.72	
	Note: Applied only to work area above 30' to 40'.				
	For Work >40' Above Floor, Add			0.99	
	Note: Applied only to work area above 40'.				
09 91 23 00-0346	Paint Interior Wood Trim (09 91 23 00-0338)				



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0347 LF 1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide.....	0.90	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.05	
09 91 23 00-0348 LF 1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	0.99	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.05	
09 91 23 00-0349 LF 2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	2.07	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.49	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.78	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.08	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.11	
09 91 23 00-0350 SF 1 Coat Primer, Brush Work, Paint Interior Wood Trim.....	2.74	
For Work >15' To 20' Above Floor, Add	0.37	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.61	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.98	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.35	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.15	
09 91 23 00-0351 SF 1 Coat Paint, Brush Work, Paint Interior Wood Trim.....	3.04	
For Work >15' To 20' Above Floor, Add	0.41	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.68	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.09	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.50	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.17	
09 91 23 00-0352 SF 2 Coats Paint, Brush Work, Paint Interior Wood Trim.....	5.52	
For Work >15' To 20' Above Floor, Add	0.73	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	1.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.95	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	2.68	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.31	
09 91 23 00-0353 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	2.24	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.49	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.78	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.07	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.13	
09 91 23 00-0354 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim.....	2.50	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.55	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.87	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.20	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.14	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0355 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim.....	4.51	
For Work >15' To 20' Above Floor, Add	0.58	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.97	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	2.12	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.26	
09 91 23 00-0356 Paint Interior Metal Surfaces (09 91 23)		
09 91 23 00-0357 Paint Interior Miscellaneous Metal Surfaces (09 91 23 00-0356)		
09 91 23 00-0358 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.93	
For Electrostatic Painting, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0359 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.10	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0360 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.98	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.65	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.90	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.28	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0361 SF 1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.18	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0362 SF 1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.18	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0363 SF 2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.90	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.59	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.81	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 23 00-0364 Paint Additives (09 91 23)		
09 91 23 00-0365 SF Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0366 SF Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
For Class "A" Fire Rating, Add	0.08	
09 91 23 00-0367 Hand Painting Letters/Numbers (09 91 23)		
Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0368 EA Up To 1" High, Hand Paint, Per Letter/Number	2.78	
09 91 23 00-0369 EA 1" To 2" High, Hand Paint, Per Letter/Number	3.24	
09 91 23 00-0370 EA 2" To 3" High, Hand Paint, Per Letter/Number	4.92	
09 91 23 00-0371 EA 3" To 4" High, Hand Paint, Per Letter/Number	6.02	
09 91 23 00-0372 EA 4" To 6" High, Hand Paint, Per Letter/Number	8.31	
09 91 23 00-0373 EA 6" To 12" High, Hand Paint, Per Letter/Number	10.52	
09 91 23 00-0374 EA Over 12" High, Hand Paint, Per Letter/Number	12.34	
09 91 23 00-0375 Glove/Mitt Application (09 91 23)		
09 91 23 00-0376 Conduit/Pipe (09 91 23 00-0375)		
09 91 23 00-0377 CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	52.64	
For Work >15' To 20' Above Floor, Add	7.44	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	12.40	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	19.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	27.27	
Note: Applied only to work area above 40'.		
09 91 23 00-0378 CSF Metal Primer Conduit Or Pipe With Glove/Mitt	84.14	
For Work >15' To 20' Above Floor, Add	8.93	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	14.88	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	23.80	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	32.73	
Note: Applied only to work area above 40'.		
09 91 23 00-0379 CSF Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	65.81	
For Work >15' To 20' Above Floor, Add	6.54	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	10.91	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	17.45	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	24.00	
Note: Applied only to work area above 40'.		

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0380 CSF Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	53.50	
For Work >15' To 20' Above Floor, Add	4.91	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	8.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	13.09	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	18.00	
Note: Applied only to work area above 40'.		
09 91 23 00-0381 CSF Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	99.68	
For Work >15' To 20' Above Floor, Add	7.44	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	12.40	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	19.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	27.27	
Note: Applied only to work area above 40'.		
09 91 23 00-0382 CSF Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	91.64	
For Work >15' To 20' Above Floor, Add	6.54	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	10.91	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	17.45	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	24.00	
Note: Applied only to work area above 40'.		
09 91 23 00-0383 Ductwork <small>(09 91 23 00-0375)</small>		
09 91 23 00-0384 CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	52.64	
For Work >15' To 20' Above Floor, Add	7.44	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	12.40	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	19.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	27.27	
Note: Applied only to work area above 40'.		
09 91 23 00-0385 CSF Metal Primer Ductwork With Glove/Mitt	76.32	
For Work >15' To 20' Above Floor, Add	7.44	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	12.40	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	19.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	27.27	
Note: Applied only to work area above 40'.		
09 91 23 00-0386 CSF Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt.....	59.81	
For Work >15' To 20' Above Floor, Add	5.95	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.92	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.87	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.82	
Note: Applied only to work area above 40'.		
09 91 23 00-0387 CSF Epoxy Paint, First Coat Ductwork With Glove/Mitt.....	96.08	
For Work >15' To 20' Above Floor, Add	7.44	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	12.40	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	19.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	27.27	
Note: Applied only to work area above 40'.		
09 91 23 00-0388 CSF Epoxy Paint, Second Coat Ductwork With Glove/Mitt.....	83.25	
For Work >15' To 20' Above Floor, Add	5.95	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.92	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.87	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.82	
Note: Applied only to work area above 40'.		
09 91 23 00-0389 Stencil Painting Letters/Numbers <small>(09 91 23)</small>		
Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0390 EA Up To 1" High, Stencil Painting, Per Letter/Number	2.26	
For >200 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 2,000, Deduct	-0.36	
For >2,000, Deduct	-0.45	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0391 EA 1" To 2" High, Stencil Painting, Per Letter/Number.....	2.62	
For >200 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 2,000, Deduct	-0.42	
For >2,000, Deduct	-0.52	
09 91 23 00-0392 EA 2" To 3" High, Stencil Painting, Per Letter/Number.....	4.44	
For >200 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.56	
For >1,000 To 2,000, Deduct	-0.71	
For >2,000, Deduct	-0.89	
09 91 23 00-0393 EA 3" To 4" High, Stencil Painting, Per Letter/Number.....	5.45	
For >200 To 500, Deduct	-0.44	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-0.87	
For >2,000, Deduct	-1.09	
09 91 23 00-0394 EA 4" To 6" High, Stencil Painting, Per Letter/Number.....	7.49	
For >200 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 2,000, Deduct	-1.20	
For >2,000, Deduct	-1.50	
09 91 23 00-0395 EA 6" To 12" High, Stencil Painting, Per Letter/Number.....	9.96	
For >200 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-1.59	
For >2,000, Deduct	-1.99	
09 91 23 00-0396 EA Over 12" High, Stencil Painting, Per Letter/Number.....	11.75	
For >200 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.47	
For >1,000 To 2,000, Deduct	-1.88	
For >2,000, Deduct	-2.35	

09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer (09 91 33)		
09 91 33 00-0002 GAL Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....		50.91
09 91 33 00-0003 GAL Alkyd Wood Primer, Exterior, 400 SF Per Gallon.....		37.14
09 91 33 00-0004 GAL Prime Coat Oil Wood Primer, 310 SF Per Gallon.....		47.09
09 91 33 00-0005 GAL Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....		116.50
09 91 33 00-0006 EA Cement Base Primer, 25 LB Sack.....		38.84
09 91 33 00-0007 GAL Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....		59.87
09 91 33 00-0008 GAL Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....		48.06
09 91 33 00-0009 GAL Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....		37.14
09 91 33 00-0010 GAL Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....		33.74
09 91 33 00-0011 GAL Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon.....		59.47
09 91 33 00-0012 GAL Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....		49.52
09 91 33 00-0013 GAL Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....		49.52
09 91 33 00-0014 GAL Latex Wood Primer, Exterior, 300 SF Per Gallon.....		55.83
09 91 33 00-0015 GAL Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....		36.41
09 91 33 00-0016 GAL Red Alkyd Primer, 500 SF Per Gallon.....		87.13
09 91 33 00-0017 GAL Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....		38.84
09 91 33 00-0018 GAL Zinc Chromate Primer, 300 SF Per Gallon.....		31.07
09 91 33 00-0019 GAL Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....		80.34
09 91 33 00-0020 GAL Stain Killer, Alcohol Base.....		50.10
09 91 33 00-0021 GAL Sealer, Primer Kilz, 400 SF Per Gallon.....		56.53
09 91 33 00-0022 Paint (09 91 33)		
09 91 33 00-0023 GAL Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....		27.19
09 91 33 00-0024 GAL Acrylic Urethane Sealer.....		134.80
09 91 33 00-0025 GAL Asphalt-Fiber Roof And Foundation Coating, Solvent Type.....		14.56
Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026 GAL Concrete Enamel Epoxy, 350 SF Per Gallon.....		84.23
09 91 33 00-0027 GAL Concrete Acrylic Sealer, 400 SF Per Gallon.....		44.18
09 91 33 00-0028 GAL Tar Emulsion, Driveway Coating, 120 SF Per Gallon.....		14.56
09 91 33 00-0029 GAL Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....		22.09
09 91 33 00-0030 GAL Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....		60.24
09 91 33 00-0031 GAL Exterior, Oil Base, Gloss, 400 SF Per Gallon.....		59.47
09 91 33 00-0032 GAL Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....		48.55
09 91 33 00-0033 GAL Exterior, Flat, Oil Base.....		44.50
09 91 33 00-0034 GAL Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....		42.24
09 91 33 00-0035 GAL Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....		49.76
09 91 33 00-0036 GAL Exterior, Latex Flat Paint, 300 SF Per Gallon.....		44.18
09 91 33 00-0037 GAL Exterior, Water Base, Latex Gloss Enamel.....		62.88
09 91 33 00-0038 GAL Cold Galvanizing Paint.....		350.41
09 91 33 00-0039 GAL High Heat Paint.....		123.36
09 91 33 00-0040 GAL Heat Resistant Paint.....		82.24
09 91 33 00-0041 GAL Zinc Chromate Paint.....		74.40
09 91 33 00-0042 QT Anti-Rust Enamel, 500 SF Per Quart.....		29.37
09 91 33 00-0043 GAL Rust Inhibitor, Ferrous Metal.....		82.24
09 91 33 00-0044 GAL Masonry Waterproofing, 100 SF Per Gallon.....		44.18
09 91 33 00-0045 GAL Alkyd Latex, Black.....		61.03

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0046	GAL		Alkyd Latex, White	55.48	
09 91 33 00-0047	GAL		Alkyd Latex, Colors	66.90	
09 91 33 00-0048	QT		Wrought Iron Paint, Black	75.06	
09 91 33 00-0049	GAL		Vinyl Paint.....	74.28	
09 91 33 00-0050	GAL		Silicone Alkyd	90.30	
09 91 33 00-0051	GAL		2 Component Solvent Based Acrylic Epoxy	91.75	
09 91 33 00-0052	GAL		2 Component Solvent Based Polyester Epoxy	115.05	
09 91 33 00-0053	GAL		Chlorinated Rubber.....	84.47	
09 91 33 00-0054	GAL		Polyamide Epoxy Sealer.....	87.38	
09 91 33 00-0055	GAL		Coal Tar Epoxy	62.62	
09 91 33 00-0056	GAL		Swimming Pool Enamel, 350 SF Per Gallon.....	78.16	
09 91 33 00-0057	GAL		Swimming Pool Epoxy Or Urethane Base	101.95	
09 91 33 00-0058	GAL		Swimming Pool Rubber Base	69.91	
09 91 33 00-0059	GAL		Interior, Latex Flat Paint, 300 SF Per Gallon	44.42	
09 91 33 00-0060	GAL		Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	54.74	
09 91 33 00-0061	GAL		Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	91.02	
09 91 33 00-0062	GAL		Interior, Ceiling White Latex Flat, 350 SF Per Gallon	30.83	
09 91 33 00-0063	GAL		Linseed Oil.....	26.94	
09 91 33 00-0064	GAL		Latex Floor Paint, 300 SF Per Gallon	44.18	
09 91 33 00-0065	GAL		Acrylic Floor Paint, 400 SF Per Gallon.....	49.76	
09 91 33 00-0066	GAL		Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	45.51	
09 91 33 00-0067	GAL		Acoustic Spray-On Texture, Finish	36.57	
09 91 33 00-0068 Stain, Varnish (09 91 33)					
09 91 33 00-0069	GAL		Thompson Water Sealer, 150 SF Per Gallon.....	25.24	
09 91 33 00-0070	GAL		Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	47.09	
09 91 33 00-0071	GAL		Redwood Oil Stain, 300 SF Per Gallon.....	41.99	
09 91 33 00-0072	GAL		Varnish, Clear	41.33	
09 91 33 00-0073	GAL		Penetrating Water-Repellent Stain	30.02	
09 91 33 00-0074	GAL		Redwood Hue Or Clear Stain	26.83	
09 91 33 00-0075	GAL		Polyurethane.....	47.10	
09 91 33 00-0076	GAL		Lacquer, Semi-Gloss	44.31	
09 91 33 00-0077	GAL		Shellac, Clear	58.13	
09 91 33 00-0078	GAL		Acetone.....	19.18	
09 91 33 00-0079	GAL		Paint Thinner	4.73	
09 91 33 00-0080	GAL		Shellac Or Lacquer Thinner	19.42	
09 91 33 00-0081	GAL		Turpentine.....	26.70	
09 91 33 00-0082	GAL		Wood Filler Paste	45.63	
09 91 33 00-0083	GAL		Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	36.41	
09 91 33 00-0084	GAL		Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	102.68	
09 91 43 Surface Preparation (09 91) See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.					
09 93 Staining and Transparent Finishing (09 90) Note: Includes light sanding or screening between coats.					
09 93 13 Exterior Staining and Finishing (09 93)					
09 93 13 53 Exterior Finishing (09 93 13)					
09 93 13 53-0001 Stain Sealer (09 93 13 53) Note: Measured by surface area of wall or ceiling.					
09 93 13 53-0002	SF		Stain Sealer, Brush Work.....	1.09	
			<i>For Ceiling Work, Add</i>	<i>0.15</i>	
			<i>For >5,000 To 10,000, Deduct</i>	<i>-0.03</i>	
			<i>For >10,000 To 20,000, Deduct</i>	<i>-0.06</i>	
			<i>For >20,000, Deduct</i>	<i>-0.09</i>	
09 93 13 53-0003	SF		Stain Sealer, Brush/Roller Work	0.87	
			<i>For Ceiling Work, Add</i>	<i>0.11</i>	
			<i>For >5,000 To 10,000, Deduct</i>	<i>-0.02</i>	
			<i>For >10,000 To 20,000, Deduct</i>	<i>-0.05</i>	
			<i>For >20,000, Deduct</i>	<i>-0.07</i>	
09 93 13 53-0004	SF		Stain Sealer, Sprayed.....	0.34	
			<i>For Ceiling Work, Add</i>	<i>0.03</i>	
			<i>For >5,000 To 10,000, Deduct</i>	<i>-0.01</i>	
			<i>For >10,000 To 20,000, Deduct</i>	<i>-0.02</i>	
			<i>For >20,000, Deduct</i>	<i>-0.03</i>	
09 93 23 Interior Staining and Finishing (09 93) Note: VOC compliant in all regulated areas, review specifications for levels.					
09 93 23 13 Interior Staining (09 93 23)					
09 93 23 13-0001 Stain Wood Trim (09 93 23 13)					
09 93 23 13-0002	LF		Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.32	
			<i>For Up To 100, Add</i>	<i>0.94</i>	
			<i>For >100 To 250, Add</i>	<i>0.44</i>	
			<i>For >250 To 500, Add</i>	<i>0.19</i>	
			<i>For >4,000, Deduct</i>	<i>-0.07</i>	



Finishes	09	09
Painting and Coating	09 90	
Staining and Transparent Finishing	09 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0003 SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.96	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
For >4,000, Deduct	-0.10	
09 93 23 13-0004 Stain Wood Floor (09 93 23 13)		
09 93 23 13-0005 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.62	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >4,000, Deduct	-0.03	
09 93 23 13-0006 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.46	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >4,000, Deduct	-0.02	
09 93 23 13-0007 Stain Wood Door And Window (09 93 23 13)		
09 93 23 13-0008 EA Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face).....	63.59	
For Up To 4, Add	46.43	
For >4 To 10, Add	21.73	
For >10 To 20, Add	9.33	
For >160, Deduct	-3.18	
09 93 23 13-0009 EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	45.23	
For Up To 4, Add	32.07	
For >4 To 10, Add	15.06	
For >10 To 20, Add	6.48	
For >160, Deduct	-2.26	
09 93 23 13-0010 Stain Wood Cabinet (09 93 23 13)		
09 93 23 13-0011 SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.59	
09 93 23 53 Interior Finishing (09 93 23)		
09 93 23 53-0001 Concrete Finishes (09 93 23 53)		
09 93 23 53-0002 SF Finish Concrete Floor, 1 Coat Polyurethane.....	0.93	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >4,000, Deduct	-0.05	
09 93 23 53-0003 Wood Trim Finishes (09 93 23 53)		
09 93 23 53-0004 SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.60	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >4,000, Deduct	-0.08	
09 93 23 53-0005 SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane.....	1.06	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >4,000, Deduct	-0.05	
09 93 23 53-0006 Wood Floor Finishes (09 93 23 53)		
09 93 23 53-0007 SF Refinish Wood Floor, 2 Coats Polyurethane.....	3.56	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.53	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
For >4,000, Deduct	-0.18	
09 93 23 53-0008 SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.81	
Note: Includes screening between coats.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >4,000, Deduct	-0.04	
09 93 23 53-0009 SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	4.04	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.85	
For >100 To 250, Add	1.34	
For >250 To 500, Add	0.58	
For >4,000, Deduct	-0.20	
09 93 23 53-0010 Wood Door And Window Finishes (09 93 23 53)		
See CSI section 08 14 16 00-0627 for factory finish.		

09 Finishes**09 90 Painting and Coating****09 93 Staining and Transparent Finishing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0011 EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	45.93	
<i>For Up To 4, Add</i>	33.45	
<i>For >4 To 10, Add</i>	15.66	
<i>For >10 To 20, Add</i>	6.72	
<i>For >160, Deduct</i>	-2.30	
09 93 23 53-0012 EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	139.21	
<i>For Up To 4, Add</i>	99.84	
<i>For >4 To 10, Add</i>	46.82	
<i>For >10 To 20, Add</i>	20.12	
<i>For >160, Deduct</i>	-6.96	
09 93 23 53-0013 Cabinet Finishes (09 93 23 53)		
09 93 23 53-0014 SF Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....	1.59	
09 93 23 53-0015 Gym, Stage And Dance Floor Finishes (09 93 23 53)		
09 93 23 53-0016 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor	1.04	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor	4.57	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.09	
09 93 23 53-0018 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor	4.66	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.09	
09 93 23 53-0019 SF Finish New High School Wood Gym, Stage Or Dance Floor	4.76	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.10	
09 93 23 53-0020 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	4.57	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.09	
09 93 23 53-0021 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	4.66	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.09	
09 93 23 53-0022 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor	4.76	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.10	
09 96 High-Performance Coatings (09 90)		
09 96 23 Graffiti-Resistant Coatings (09 96)		
09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)		
09 96 23 00-0002 SF Sacrificial Anti-Graffiti Coating, Per Coat	1.64	
<i>For Up To 100, Add</i>	0.99	
<i>For >100 To 250, Add</i>	0.47	
<i>For >250 To 500, Add</i>	0.21	
09 96 23 00-0003 SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.74	
<i>For Up To 100, Add</i>	1.01	
<i>For >100 To 250, Add</i>	0.48	
<i>For >250 To 500, Add</i>	0.21	
09 96 53 Elastomeric Coatings (09 96)		
09 96 53 00-0001 Elastomeric Painting (09 96 53)		
Note: Per coat.		



Finishes	09	09
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0002 SF 1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Walls And Floors	1.00	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 96 53 00-0003 SF 1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.85	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 96 53 00-0004 SF 1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.69	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 96 53 00-0005 SF 1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Walls And Floors	2.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
09 96 53 00-0006 SF 1 Coat, 13 To 16 Wet Mills, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.92	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	

09	09 Finishes
	09 90 Painting and Coating
	09 96 High-Performance Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0007 SF 1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.07	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 96 53 00-0008 SF 1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	1.13	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 96 53 00-0009 SF 1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.96	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 96 53 00-0010 SF 1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.77	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 96 53 00-0011 SF 1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.23	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.99	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.45	



Finishes	09	09
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0012 SF 1 Coat, 13 To 16 Wet Mills, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead.....	2.05	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 96 53 00-0013 SF 1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.16	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 96 56 Epoxy Coatings (09 96)		
09 96 56 00-0001 High Build Epoxy (09 96 56)		
09 96 56 00-0002 SF 50 Mil, High Build Epoxy	4.00	
09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004 SF Laminated Epoxy With Fiberglass	6.68	
09 96 66 Aggregate Wall Coatings (09 96)		
09 96 66 00-0001 Troweled On (09 96 66)		
09 96 66 00-0002 SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	4.65	
09 96 66 00-0003 SF Exposed Aggregate - 1/2" To 5/8" Troweled On	8.36	
09 96 66 00-0004 SF Exposed Aggregate - 1" Troweled On	12.42	
09 96 66 00-0005 Sprayed On (09 96 66)		
09 96 66 00-0006 SF Exposed Aggregate - 1/8" - Sprayed On.....	3.78	
09 97 Special Coatings (09 90)		
09 97 13 Steel Coatings (09 97)		
09 97 13 23 Exterior Steel Coatings (09 97 13)		
Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
09 97 13 23-0001 Surface Preparation For Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0002 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0003 SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.11	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 23-0004 SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.98	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0005 SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.97	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0006 SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	1.39	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 23-0007 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small> Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.		
09 97 13 23-0008 SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.87	
For Up To 100, Add	2.05	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
09 97 13 23-0009 SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.48	
For Up To 100, Add	1.76	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
09 97 13 23-0010 SF Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.31	
For Up To 100, Add	1.64	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 23-0011 SF Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.59	
For Up To 100, Add	2.59	
For >100 To 250, Add	1.21	
For >250 To 500, Add	0.52	
09 97 13 23-0012 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small> Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		
09 97 13 23-0013 SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	5.57	
For Up To 100, Add	4.00	
For >100 To 250, Add	1.88	
For >250 To 500, Add	0.81	
09 97 13 23-0014 SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.76	
For Up To 100, Add	3.41	
For >100 To 250, Add	1.60	
For >250 To 500, Add	0.69	
09 97 13 23-0015 SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.38	
For Up To 100, Add	3.12	
For >100 To 250, Add	1.47	
For >250 To 500, Add	0.63	
09 97 13 23-0016 SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	6.74	
For Up To 100, Add	4.88	
For >100 To 250, Add	2.29	
For >250 To 500, Add	0.98	
09 97 13 23-0017 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small> Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.		
09 97 13 23-0018 SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.15	
For Up To 100, Add	2.97	
For >100 To 250, Add	1.39	
For >250 To 500, Add	0.60	
09 97 13 23-0019 SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.54	
For Up To 100, Add	2.53	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
09 97 13 23-0020 SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.34	
For Up To 100, Add	2.38	
For >100 To 250, Add	1.12	
For >250 To 500, Add	0.48	



Finishes	09	09
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0021 SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.90	
For Up To 100, Add	3.55	
For >100 To 250, Add	1.66	
For >250 To 500, Add	0.71	
09 97 13 23-0022 Protective Coatings For Tanks And Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0023 1.5 Mil Prime Coat For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0024 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.18	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 23-0025 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.87	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 97 13 23-0026 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.78	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0027 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat.....	1.40	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0028 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.64	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 23-0029 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	1.21	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 97 13 23-0030 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	1.08	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 23-0031 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat.....	1.97	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0032 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0033 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.46	
For Up To 100, Add	2.23	
For >100 To 250, Add	1.06	
For >250 To 500, Add	0.46	
09 97 13 23-0034 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.52	
For Up To 100, Add	1.55	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
09 97 13 23-0035 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.34	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 97 13 23-0036 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.20	
For Up To 100, Add	2.77	
For >100 To 250, Add	1.31	
For >250 To 500, Add	0.57	
09 97 13 23-0037 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.59	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
09 97 13 23-0038 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.89	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0039 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.75	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 23-0040 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.15	
For Up To 100, Add	2.07	
For >100 To 250, Add	0.98	
For >250 To 500, Add	0.42	
09 97 13 23-0041 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.21	
For Up To 100, Add	3.54	
For >100 To 250, Add	1.67	
For >250 To 500, Add	0.72	

09 Finishes

09 90 Painting and Coating

09 97 Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0042 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.72	
For Up To 100, Add	2.45	
For >100 To 250, Add	1.16	
For >250 To 500, Add	0.50	
09 97 13 23-0043 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.44	
For Up To 100, Add	2.24	
For >100 To 250, Add	1.06	
For >250 To 500, Add	0.46	
09 97 13 23-0044 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.38	
For Up To 100, Add	4.40	
For >100 To 250, Add	2.07	
For >250 To 500, Add	0.89	
09 97 13 23-0045 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.91	
For Up To 100, Add	2.66	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.54	
09 97 13 23-0046 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.79	
For Up To 100, Add	1.84	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.38	
09 97 13 23-0047 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.57	
For Up To 100, Add	1.68	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
09 97 13 23-0048 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.78	
For Up To 100, Add	3.30	
For >100 To 250, Add	1.55	
For >250 To 500, Add	0.67	
09 97 13 23-0049 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0022)	2.67	
09 97 13 23-0050 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.67	
For Up To 100, Add	1.73	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.36	
09 97 13 23-0051 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.18	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 23-0052 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.00	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0053 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.31	
For Up To 100, Add	2.21	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.45	
09 97 13 23-0054 SF Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.70	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0055 SF Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.40	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
09 97 13 23-0056 SF Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.28	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 97 13 23-0057 SF Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.11	
For Up To 100, Add	1.41	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
09 97 13 23-0058 SF Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.73	
For Up To 100, Add	2.53	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
09 97 13 23-0059 SF Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.02	
For Up To 100, Add	2.03	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
09 97 13 23-0060 SF Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.75	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
09 97 13 23-0061 SF Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.65	
For Up To 100, Add	3.21	
For >100 To 250, Add	1.51	
For >250 To 500, Add	0.65	
09 97 13 23-0062 SF Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.37	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	



			Finishes	09
			Painting and Coating	09 90
			Special Coatings	09 97

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
09 97 13 23-0063 SF Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.94	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
09 97 13 23-0064 SF Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.77	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 23-0065 SF Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.98	
For Up To 100, Add	2.06	
For >100 To 250, Add	0.97	
For >250 To 500, Add	0.42	
09 97 13 23-0066 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97 13 23-0067 SF Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.44	
For Up To 100, Add	2.59	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.54	
09 97 13 23-0068 SF Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.26	
For Up To 100, Add	1.77	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.38	
09 97 13 23-0069 SF Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.91	
For Up To 100, Add	1.50	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
09 97 13 23-0070 SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.01	
For Up To 100, Add	2.99	
For >100 To 250, Add	1.43	
For >250 To 500, Add	0.62	
09 97 13 23-0071 SF Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.12	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.38	
09 97 13 23-0072 SF Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.28	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0073 SF Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.03	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.23	
09 97 13 23-0074 SF Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.52	
For Up To 100, Add	2.10	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.44	
09 97 13 23-0075 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97 13 23-0076 SF Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	4.79	
For Up To 100, Add	2.64	
For >100 To 250, Add	1.28	
For >250 To 500, Add	0.56	
09 97 13 23-0077 SF Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.57	
For Up To 100, Add	1.81	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.39	
09 97 13 23-0078 SF Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.22	
For Up To 100, Add	1.55	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
09 97 13 23-0079 SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.37	
For Up To 100, Add	3.04	
For >100 To 250, Add	1.47	
For >250 To 500, Add	0.64	
09 97 13 23-0080 SF Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.93	
For Up To 100, Add	2.17	
For >100 To 250, Add	1.05	
For >250 To 500, Add	0.46	
09 97 13 23-0081 SF Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.93	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
09 97 13 23-0082 SF Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.64	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.28	
09 97 13 23-0083 SF Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.41	
For Up To 100, Add	2.50	
For >100 To 250, Add	1.21	
For >250 To 500, Add	0.53	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 97 13 23-0084	1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97 13 23-0085	SF Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	9.99	
	For Up To 100, Add	5.66	
	For >100 To 250, Add	2.73	
	For >250 To 500, Add	1.19	
09 97 13 23-0086	SF Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.63	
	For Up To 100, Add	4.08	
	For >100 To 250, Add	1.99	
	For >250 To 500, Add	0.87	
09 97 13 23-0087	SF Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.36	
	For Up To 100, Add	3.88	
	For >100 To 250, Add	1.89	
	For >250 To 500, Add	0.83	
09 97 13 23-0088	SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.56	
	For Up To 100, Add	6.80	
	For >100 To 250, Add	3.27	
	For >250 To 500, Add	1.42	
09 97 13 23-0089	1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97 13 23-0090	SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.31	
	For Up To 100, Add	2.77	
	For >100 To 250, Add	1.35	
	For >250 To 500, Add	0.59	
09 97 13 23-0091	SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.22	
	For Up To 100, Add	1.97	
	For >100 To 250, Add	0.98	
	For >250 To 500, Add	0.43	
09 97 13 23-0092	SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.05	
	For Up To 100, Add	1.84	
	For >100 To 250, Add	0.92	
	For >250 To 500, Add	0.41	
09 97 13 23-0093	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.99	
	For Up To 100, Add	3.24	
	For >100 To 250, Add	1.58	
	For >250 To 500, Add	0.69	
09 97 13 23-0094	SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	4.19	
	For Up To 100, Add	2.19	
	For >100 To 250, Add	1.07	
	For >250 To 500, Add	0.47	
09 97 13 23-0095	SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.34	
	For Up To 100, Add	1.56	
	For >100 To 250, Add	0.77	
	For >250 To 500, Add	0.34	
09 97 13 23-0096	SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.19	
	For Up To 100, Add	1.44	
	For >100 To 250, Add	0.72	
	For >250 To 500, Add	0.32	
09 97 13 23-0097	SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	4.74	
	For Up To 100, Add	2.57	
	For >100 To 250, Add	1.25	
	For >250 To 500, Add	0.55	
09 97 13 23-0098	Two 8 Mil Coal Tar Epoxy Coats For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97 13 23-0099	SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.43	
	For Up To 100, Add	2.64	
	For >100 To 250, Add	1.27	
	For >250 To 500, Add	0.55	
09 97 13 23-0100	SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.62	
	For Up To 100, Add	2.09	
	For >100 To 250, Add	1.01	
	For >250 To 500, Add	0.44	
09 97 13 23-0101	SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.35	
	For Up To 100, Add	1.89	
	For >100 To 250, Add	0.91	
	For >250 To 500, Add	0.40	
09 97 13 23-0102	SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	5.44	
	For Up To 100, Add	3.37	
	For >100 To 250, Add	1.61	
	For >250 To 500, Add	0.70	
09 97 13 23-0103	One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97 13 23-0104	SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.25	
	For Up To 100, Add	2.67	
	For >100 To 250, Add	1.27	
	For >250 To 500, Add	0.55	



Finishes	09	09
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0105 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.04	
For Up To 100, Add	1.79	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
09 97 13 23-0106 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.60	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 23-0107 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.84	
For Up To 100, Add	3.07	
For >100 To 250, Add	1.46	
For >250 To 500, Add	0.63	
09 97 13 23-0108 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0109 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.32	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
09 97 13 23-0110 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.71	
For Up To 100, Add	0.79	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0111 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.62	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 23-0112 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.45	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 23-0113 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0022)		
Note: Installed over existing primer.		
09 97 13 23-0114 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.55	
For Up To 100, Add	2.03	
For >100 To 250, Add	0.98	
For >250 To 500, Add	0.43	
09 97 13 23-0115 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.92	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
09 97 13 23-0116 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.56	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 23-0117 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	4.11	
For Up To 100, Add	2.43	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.51	
09 97 13 24 Steel Water Storage Tank Painting (09 97 13)		
09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0003 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.67	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 24-0004 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.48	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
09 97 13 24-0005 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	2.10	
For Up To 100, Add	1.58	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0007 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.93	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	

09 Finishes

09 90 Painting and Coating

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0008	SF		Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.76	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 24-0009	SF		Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.33	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
09 97 13 24-0010			SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>		
09 97 13 24-0011	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	2.31	
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.33	
09 97 13 24-0012	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.12	
			For Up To 100, Add	1.49	
			For >100 To 250, Add	0.70	
			For >250 To 500, Add	0.30	
09 97 13 24-0013	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	3.09	
			For Up To 100, Add	2.22	
			For >100 To 250, Add	1.04	
			For >250 To 500, Add	0.45	
09 97 13 24-0014			SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>		
09 97 13 24-0015	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	4.17	
			For Up To 100, Add	2.97	
			For >100 To 250, Add	1.39	
			For >250 To 500, Add	0.60	
09 97 13 24-0016	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.97	
			For Up To 100, Add	2.82	
			For >100 To 250, Add	1.32	
			For >250 To 500, Add	0.57	
09 97 13 24-0017	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	5.83	
			For Up To 100, Add	4.22	
			For >100 To 250, Add	1.98	
			For >250 To 500, Add	0.85	
09 97 13 24-0018			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>		
09 97 13 24-0019	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.33	
			For Up To 100, Add	2.38	
			For >100 To 250, Add	1.12	
			For >250 To 500, Add	0.48	
09 97 13 24-0020	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.33	
			For Up To 100, Add	2.38	
			For >100 To 250, Add	1.12	
			For >250 To 500, Add	0.48	
09 97 13 24-0021	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.89	
			For Up To 100, Add	3.55	
			For >100 To 250, Add	1.66	
			For >250 To 500, Add	0.71	
09 97 13 24-0022			Protective Coatings For Tanks <small>(09 97 13 24)</small>		
			Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023			1.5 Mil Prime Coat For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0024	SF		Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.70	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 97 13 24-0025	SF		Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.57	
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
09 97 13 24-0026	SF		Spray Tank Interior 1.5 Mil Prime Coat	1.32	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 97 13 24-0027	SF		Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.94	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
09 97 13 24-0028	SF		Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.76	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	



Finishes	09	09
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat.....	1.86	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.05	
For Up To 100, Add	1.21	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.61	
For Up To 100, Add	0.88	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.74	
For Up To 100, Add	2.48	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.51	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.55	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.21	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.81	
For Up To 100, Add	1.86	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.98	
For Up To 100, Add	1.91	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.39	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.26	
For Up To 100, Add	1.37	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.71	
For Up To 100, Add	3.96	
For >100 To 250, Add	1.86	
For >250 To 500, Add	0.80	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.24	
For Up To 100, Add	1.43	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.70	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 24-0042 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.28	
For Up To 100, Add	2.96	
For >100 To 250, Add	1.40	
For >250 To 500, Add	0.60	
09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0044 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.81	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 24-0045 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.55	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
09 97 13 24-0046 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.86	
For Up To 100, Add	2.66	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.54	
09 97 13 24-0047 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.16	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 24-0048 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.98	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 24-0049 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.46	
For Up To 100, Add	1.70	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.34	

09	Finishes
09 90	Painting and Coating
09 97	Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0050 SF Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.48	
For Up To 100, Add	1.63	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 24-0051 SF Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.09	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
09 97 13 24-0052 SF Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.85	
For Up To 100, Add	4.24	
For >100 To 250, Add	1.99	
For >250 To 500, Add	0.85	
09 97 13 24-0053 SF Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.59	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 24-0054 SF Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.34	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 24-0055 SF Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.83	
For Up To 100, Add	2.72	
For >100 To 250, Add	1.28	
For >250 To 500, Add	0.55	
09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0057 SF Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.69	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
09 97 13 24-0058 SF Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.33	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 24-0059 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.88	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
09 97 13 24-0060 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.63	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0062 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.00	
For Up To 100, Add	1.41	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.31	
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.64	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.26	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.46	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.17	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.11	
For Up To 100, Add	3.74	
For >100 To 250, Add	1.82	
For >250 To 500, Add	0.80	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.57	
For Up To 100, Add	3.33	
For >100 To 250, Add	1.63	
For >250 To 500, Add	0.72	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.66	
For Up To 100, Add	6.40	
For >100 To 250, Add	3.07	
For >250 To 500, Add	1.33	
09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		



Finishes	09	09
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.77	
For Up To 100, Add	1.76	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.39	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.38	
For Up To 100, Add	1.47	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.33	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.51	
For Up To 100, Add	3.06	
For >100 To 250, Add	1.48	
For >250 To 500, Add	0.65	
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.97	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.31	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.66	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.26	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.35	
For Up To 100, Add	2.42	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.51	
09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.32	
For Up To 100, Add	1.88	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.40	
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.79	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.32	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.21	
For Up To 100, Add	2.55	
For >100 To 250, Add	1.22	
For >250 To 500, Add	0.53	
09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.30	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
09 97 13 24-0083 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.12	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 24-0084 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.46	
For Up To 100, Add	2.12	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.44	
09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)		
09 97 13 24-0086 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.05	
For Up To 100, Add	2.89	
For >100 To 250, Add	1.40	
For >250 To 500, Add	0.61	
09 97 13 24-0087 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.13	
For Up To 100, Add	1.54	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0089 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.51	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
09 97 13 24-0090 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.47	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
09 97 13 24-0091 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.31	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	

09	Finishes
09 90	Painting and Coating
09 97	Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
Note: Installed over existing primer.		
09 97 13 24-0093 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.43	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 24-0094 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.16	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0095 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.32	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.41	
09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0097 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	8.66	
For Up To 100, Add	5.36	
For >100 To 250, Add	2.56	
For >250 To 500, Add	1.11	
09 97 26 Cementitious Coatings <small>(09 97)</small>		
09 97 26 13 Interior Cementitious Coatings <small>(09 97 26)</small>		
09 97 26 13-0001 Ceramic-Like Glazed Coating <small>(09 97 26 13)</small>		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious <small>(09 97 26 13-0001)</small>		
09 97 26 13-0003 SF Ceramic-like Glazed Coating, - Cementitious	3.34	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base <small>(09 97 26 13-0001)</small>		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	2.76	
09 97 35 Dry Erase Coatings <small>(09 97)</small>		
09 97 35 00-0001 Dry-Erase Paint <small>(09 97 35)</small>		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	12.88	
Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	7.09	
Note: For application over existing latex-based top coats.		
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	13.76	
Note: Includes two coats of primer and white or black surface coat.		
09 97 63 Special Coatings and Protection Systems <small>(09 97)</small>		
09 97 63 00-0001 Acrylic Glazed Coating <small>(09 97 63)</small>		
09 97 63 00-0002 SF Acrylic Glazed Coating.....	2.13	

END OF SECTION 09



Specialties	10
Operation and Maintenance of Specialties	10 01
Operation and Maintenance of Safety Specialties	10 01 40

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 Specialties

10 01 Operation and Maintenance of Specialties ⁽¹⁰⁾

10 01 40 Operation and Maintenance of Safety Specialties ^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40)		
	Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	17.83	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	19.81	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	20.60	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	23.31	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	26.94	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	21.50	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher	26.03	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher	36.78	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher	58.06	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	21.28	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	151.65	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	212.32	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher	87.41	

10 01 50 Operation and Maintenance of Storage Specialties ^(10 01)

10 01 50 11 Operation and Maintenance of Storage Specialties ^(10 01 50)

10 01 50 11-0001	Locker Repair And Refinishing ^(10 01 50 11)		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door	376.53	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door	296.37	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door	254.73	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door	215.56	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	122.79	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure	42.18	
10 01 50 11-0008	EA Patch Small Drill Holes in Locker	8.44	

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	53.00	10.80
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	33.48	5.08
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.93	4.39
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.84	2.86
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.77	1.59
10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	55.91	10.80
10 11 13 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	36.32	5.08
10 11 13 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	31.55	4.39
10 11 13 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.01	2.86
10 11 13 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.88	1.59

10	10 Specialties
	10 10 Information Specialties
	10 11 Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) <small>(10 11 13 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015 SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	51.20	10.80
10 11 13 13-0016 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	31.64	5.08
10 11 13 13-0017 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	27.18	4.39
10 11 13 13-0018 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	22.37	2.86
10 11 13 13-0019 SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	18.13	1.59
10 11 13 13-0020 Removal And Reinstallation Of Chalkboards <small>(10 11 13 13)</small> Note: Includes storage and cleaning.		
10 11 13 13-0021 SF Removal And Reinstallation Of Chalkboard	13.23	
10 11 13 13-0022 Field Applied Chalkboard And Accessories <small>(10 11 13 13)</small>		
10 11 13 13-0023 Chalkboard Face Sheets And Panels <small>(10 11 13 13-0022)</small>		
10 11 13 13-0024 SF Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	17.90	5.08
	Note: Includes porcelain enamel steel chalkboard skin.	
10 11 13 13-0025 SF Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	21.14	5.08
	Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	
10 11 13 13-0026 Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 13 13-0022)</small>		
10 11 13 13-0027 LF Chalk And Marker Tray, Field Applied	26.03	6.98
10 11 13 13-0028 PR Chalk And Marker Tray End Closures, Field Applied	33.33	12.71
10 11 13 13-0029 LF Mullion Trim For Chalkboards And Markerboards, Field Applied	18.88	6.98
10 11 13 13-0030 LF Screw On Trim For Chalkboards And Markerboards, Field Applied	18.49	6.98
10 11 13 13-0031 LF 1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.59	6.98
10 11 13 13-0032 LF 1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	21.68	6.98
10 11 13 13-0033 LF No Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.59	6.98
10 11 13 33 Rail-Mounted Chalkboards <small>(10 11 13)</small>		
10 11 13 33-0001 Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) <small>(10 11 13 33)</small>		
10 11 13 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,357.49	127.04
10 11 13 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,643.33	127.04
10 11 13 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,991.96	135.29
10 11 13 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,324.07	135.29
10 11 13 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,136.96	145.45
10 11 13 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,401.87	145.45
10 11 13 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,971.00	152.44
10 11 13 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,628.61	152.44
10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,210.12	127.04
10 11 13 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,802.20	127.04
10 11 13 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,349.12	135.29
10 11 13 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,892.73	135.29
10 11 13 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,575.63	145.45
10 11 13 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,815.21	145.45
10 11 13 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,815.07	152.44
10 11 13 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,614.78	152.44
10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,573.65	127.04
10 11 13 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,057.77	127.04
10 11 13 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,583.76	135.29
10 11 13 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,139.49	135.29
10 11 13 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,218.96	145.45
10 11 13 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,473.96	145.45
10 11 13 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,640.16	152.44
10 11 13 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,525.31	152.44
10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) <small>(10 11 13 33)</small>		
10 11 13 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,811.87	127.04
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,099.92	127.04
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,389.06	135.29
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,889.14	135.29
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,259.72	145.45
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,721.24	145.45
10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards⁽¹⁰⁾		
<small>^{11 13 33-0029}</small>		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,109.46	127.04
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,556.66	127.04
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,007.16	135.29
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,829.96	135.29
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,344.81	145.45
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,091.60	145.45
10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards		
<small>^(10 11 13 33-0029)</small>		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,599.82	127.04
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,209.49	127.04
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,822.45	135.29
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,966.87	135.29
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,639.20	145.45
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,691.09	145.45
10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series)^(10 11 13 33)		
Note: Excludes remotes.		
10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards^(10 11 13 33-0051)		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,995.23	254.07
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,250.36	254.07
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,536.80	262.01
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,004.09	262.01
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,522.51	269.96
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,973.28	269.96
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,958.13	285.83
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,082.83	285.83
10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards^(10 11 13 33-0051)		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,113.66	254.07
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,450.96	254.07
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,829.50	262.01
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,516.23	262.01
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,201.21	269.96
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,853.79	269.96
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,182.56	285.83
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,380.18	285.83
10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards^(10 11 13 33-0051)		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,316.66	254.07
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,167.97	254.07
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,620.97	262.01
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,513.92	262.01
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,454.69	269.96
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	22,357.55	269.96
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,142.60	285.83
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,490.26	285.83
10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories^(10 11 13 33)		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	672.56	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,147.35	
10 11 16 Markerboards^(10 11)		
10 11 16 13 Fixed Markerboards^(10 11 16)		
Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001 Porcelain Enamel Steel Markerboards ^(10 11 16 13)		

10	10 Specialties
	10 10 Information Specialties
	10 11 Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003 SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	53.18	10.80
10 11 16 13-0004 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	34.12	5.08
10 11 16 13-0005 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	28.93	4.39
10 11 16 13-0006 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.07	2.86
10 11 16 13-0007 SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.51	1.59
10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	55.95	10.80
10 11 16 13-0010 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	34.95	5.08
10 11 16 13-0011 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	30.17	4.39
10 11 16 13-0012 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.63	2.86
10 11 16 13-0013 SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.07	1.59
10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015 SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	51.18	10.80
10 11 16 13-0016 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	31.65	5.08
10 11 16 13-0017 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	28.52	4.39
10 11 16 13-0018 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	22.51	2.86
10 11 16 13-0019 SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	17.82	1.59
10 11 16 13-0020 Melamine Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small> Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	42.71	10.80
10 11 16 13-0023 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	25.82	5.08
10 11 16 13-0024 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	22.39	4.39
10 11 16 13-0025 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	16.73	2.86
10 11 16 13-0026 SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	13.41	1.59
10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small> Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028 SF Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	41.77	10.80
10 11 16 13-0029 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	25.38	5.08
10 11 16 13-0030 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	21.77	4.39
10 11 16 13-0031 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.62	2.86
10 11 16 13-0032 SF >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.41	1.59
10 11 16 13-0033 Nonporous, Non-Staining Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035 SF Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	56.96	10.80
For Magnetic Surface, Add	3.54	
10 11 16 13-0036 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	37.06	5.08
For Magnetic Surface, Add	2.69	
10 11 16 13-0037 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	31.96	4.39
For Magnetic Surface, Add	2.32	
10 11 16 13-0038 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	28.00	2.86
For Magnetic Surface, Add	2.23	
10 11 16 13-0039 SF >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	23.97	1.59
For Magnetic Surface, Add	2.08	
10 11 16 13-0040 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041 SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	56.96	10.80
For Magnetic Surface, Add	3.54	
10 11 16 13-0042 SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	37.06	5.08
For Magnetic Surface, Add	2.69	



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	31.96 2.32	4.39
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	28.00 2.23	2.86
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	23.97 2.08	1.59
10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	100.77 7.92	10.80
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	63.39 5.32	5.08
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	53.58 4.48	4.39
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	45.10 3.94	2.86
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	34.89 3.17	1.59
10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	25.48	4.39
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	21.56	2.86
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	17.95	1.59
10 11 16 13-0056 Removal And Reinstallation Of Markerboard <small>(10 11 16 13)</small> Note: Includes storage and cleaning.		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard.....	76.22	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard.....	88.93	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard.....	101.63	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard.....	114.33	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard.....	127.04	
10 11 16 13-0062 Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
10 11 16 13-0063 Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	17.64	5.08
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	20.55	5.08
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	20.48	5.08
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032)..... Note: Includes 1/4" thick melamine panel.	12.37	5.08
10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33 Rail-Mounted Markerboards <small>(10 11 16)</small>		
10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,329.47	127.04
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,605.96	127.04
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,945.25	135.29
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,268.02	135.29
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,071.57	145.45
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,327.14	145.45
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,877.59	152.44
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,516.51	152.44
10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,182.10	127.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,764.84	127.04
10 11 16 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,302.41	135.29
10 11 16 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,836.68	135.29
10 11 16 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,510.24	145.45
10 11 16 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,740.48	145.45
10 11 16 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,721.65	152.44
10 11 16 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,502.68	152.44
10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,545.62	127.04
10 11 16 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,020.41	127.04
10 11 16 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,537.05	135.29
10 11 16 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,083.44	135.29
10 11 16 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,153.57	145.45
10 11 16 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,399.23	145.45
10 11 16 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,546.74	152.44
10 11 16 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,441.23	152.44
10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>		
10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,774.51	127.04
10 11 16 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,053.21	127.04
10 11 16 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,333.01	135.29
10 11 16 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,814.41	135.29
10 11 16 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,166.30	145.45
10 11 16 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,609.14	145.45
10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,034.73	127.04
10 11 16 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,463.25	127.04
10 11 16 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,895.06	135.29
10 11 16 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,680.50	135.29
10 11 16 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,157.98	145.45
10 11 16 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,867.40	145.45
10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,487.72	127.04
10 11 16 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,069.36	127.04
10 11 16 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,654.30	135.29
10 11 16 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,742.67	135.29
10 11 16 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,358.96	145.45
10 11 16 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,354.79	145.45
10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>		
Note: Excludes remotes.		
10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,948.52	254.07
10 11 16 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,191.97	254.07
10 11 16 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,466.74	262.01
10 11 16 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,910.68	262.01
10 11 16 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,405.74	269.96
10 11 16 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,833.16	269.96
10 11 16 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,794.66	285.83
10 11 16 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,896.01	285.83
10 11 16 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,020.24	254.07
10 11 16 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,334.20	254.07
10 11 16 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,689.38	262.01
10 11 16 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,329.40	262.01
10 11 16 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,967.67	269.96
10 11 16 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,573.54	269.96
10 11 16 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,855.61	285.83
10 11 16 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,006.52	285.83



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 11 16 33-0070	Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,176.54	254.07
10 11 16 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,992.82	254.07
10 11 16 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,410.79	262.01
10 11 16 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,233.68	262.01
10 11 16 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,104.38	269.96
10 11 16 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,937.18	269.96
10 11 16 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,652.17	285.83
10 11 16 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,929.77	285.83

10 11 16 33-0079 **Sliding Chalkboard And Markerboard Accessories** (10 11 16 33)
See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.

10 11 23 Tackboards (10 11)

10 11 23 13 Fixed Tackboards (10 11 23)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0001 **Fixed Tackboards** (10 11 23 13)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0002 **Cork Surface, Fixed Tackboards** (10 11 23 13-0001)

Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.

10 11 23 13-0003 **5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0002)

10 11 23 13-0004	SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	36.38	10.80
10 11 23 13-0005	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	20.44	5.08
10 11 23 13-0006	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	17.71	4.39
10 11 23 13-0007	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	13.97	2.86
10 11 23 13-0008	SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.24	1.59

10 11 23 13-0009 **1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)** (10 11 23 13-0002)

10 11 23 13-0010	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	38.12	10.80
10 11 23 13-0011	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.25	5.08
10 11 23 13-0012	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	17.30	4.39
10 11 23 13-0013	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	13.33	2.86
10 11 23 13-0014	SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	10.23	1.59

10 11 23 13-0015 **1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0002)

10 11 23 13-0016	SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	38.31	10.80
10 11 23 13-0017	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	22.95	5.08
10 11 23 13-0018	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	21.15	4.39
10 11 23 13-0019	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	16.13	2.86
10 11 23 13-0020	SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	12.58	1.59

10 11 23 13-0021 **Burlap Backed Cork Surface, Fixed Tackboards** (10 11 23 13-0001)
Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.

10 11 23 13-0022 **5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0021)

10 11 23 13-0023	SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	41.43	10.80
10 11 23 13-0024	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	26.50	5.08
10 11 23 13-0025	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	24.11	4.39
10 11 23 13-0026	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	20.40	2.86
10 11 23 13-0027	SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	17.78	1.59

10 11 23 13-0028 **1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0021)

10 11 23 13-0029	SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	45.65	10.80
10 11 23 13-0030	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	31.01	5.08
10 11 23 13-0031	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	28.66	4.39
10 11 23 13-0032	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.70	2.86
10 11 23 13-0033	SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.19	1.59

10 11 23 13-0034 **Polyester Fabric Surface, Fixed Tackboards** (10 11 23 13-0001)

Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

10 11 23 13-0035			5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0036	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	37.57	10.80
10 11 23 13-0037	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	21.91	5.08
10 11 23 13-0038	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.36	4.39
10 11 23 13-0039	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.67	2.86
10 11 23 13-0040	SF		>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.75	1.59

10 11 23 13-0041			1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0042	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	39.96	10.80
10 11 23 13-0043	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	25.01	5.08
10 11 23 13-0044	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.08	4.39
10 11 23 13-0045	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.24	2.86
10 11 23 13-0046	SF		>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.78	1.59

10 11 23 13-0047			Vinyl Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small>		
Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.					
10 11 23 13-0048			5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	36.38	10.80
10 11 23 13-0050	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	20.53	5.08
10 11 23 13-0051	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	17.85	4.39
10 11 23 13-0052	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	13.97	2.86
10 11 23 13-0053	SF		>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.03	1.59

10 11 23 13-0054			1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0055	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	38.31	10.80
10 11 23 13-0056	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	23.80	5.08
10 11 23 13-0057	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.15	4.39
10 11 23 13-0058	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.13	2.86
10 11 23 13-0059	SF		4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.58	1.59

10 12 Display Cases (10 10)

10 12 00 00-0001			Counter Display Cases <small>(10 12)</small>		
10 12 00 00-0002	EA		30" x 12" x 36" Counter Display Cases	1,632.75	194.62
10 12 00 00-0003	EA		30" x 12" x 48" Counter Display Cases	1,758.54	194.62
10 12 00 00-0004	EA		30" x 18" x 36" Counter Display Cases	1,707.31	194.62
10 12 00 00-0005	EA		30" x 18" x 48" Counter Display Cases	1,661.17	86.51

10 12 00 00-0006			Upright Display Case <small>(10 12)</small>		
10 12 00 00-0007	EA		72" High x 20" Deep x 70" Wide, Upright Display Case	3,339.03	194.62

10 12 00 00-0008			Full Vision Display Case <small>(10 12)</small>		
10 12 00 00-0009	EA		38" x 20" x 70" Full Vision Display Case	2,201.47	194.62

10 13 Directories (10 10)

10 13 11 Directory and Bulletin Boards (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001			Wall Mounted Directories <small>(10 13 11)</small>		
Note: Includes changeable letters.					
10 13 11 00-0002			Open Face, Wall Mounted Directories <small>(10 13 11 00-0001)</small>		
Note: Includes vinyl or felt back panel.					
10 13 11 00-0003			Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) <small>(10 13 11 00-0002)</small>		
10 13 11 00-0004	SF		Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	58.69	10.80
10 13 11 00-0005	SF		>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	37.98	5.08
10 13 11 00-0006	SF		>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	34.46	4.39
10 13 11 00-0007	SF		>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	26.23	2.86
10 13 11 00-0008	SF		>24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.81	1.59

10 13 11 00-0009			Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) <small>(10 13 11 00-0002)</small>		
------------------	--	--	--	--	--



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	59.24 12.00	10.80
10 13 11 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	38.34 12.00	5.08
10 13 11 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	35.20 12.00	4.39
10 13 11 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	25.03 12.00	2.86
10 13 11 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	21.36 12.00	1.59
10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0001)</small> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0015)</small>		
10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) <small>(10 13 11 00-0016)</small>		
10 13 11 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	141.49 15.00	10.80
10 13 11 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	112.70 15.00	5.08
10 13 11 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	94.41 15.00	4.39
10 13 11 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	87.18 15.00	2.86
10 13 11 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	78.64 15.00	1.59
10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) <small>(10 13 11 00-0016)</small>		
10 13 11 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	122.03 15.00	10.80
10 13 11 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	97.47 15.00	4.39
10 13 11 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	69.83 15.00	2.86
10 13 11 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	62.67 15.00	1.59
10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0015)</small>		
10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0028)</small>		
10 13 11 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	126.90 15.00 12.00 21.06	10.80
10 13 11 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	97.56 15.00 12.00 17.48	5.08
10 13 11 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	82.58 15.00 12.00 14.76	4.39
10 13 11 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	60.62 15.00 12.00 10.98	2.86
10 13 11 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.34 15.00 12.00 10.63	1.59
10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0028)</small>		
10 13 11 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	194.28 15.00 12.00 34.54	10.80
10 13 11 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	112.62 15.00 12.00 20.49	5.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	94.90 15.00 12.00 17.23	4.39
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.05 15.00 12.00 13.47	2.86
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.36 15.00 12.00 12.84	1.59
10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)		
10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)		
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	190.88 15.00 12.00	10.80
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	127.03 15.00 12.00	5.08
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	123.33 15.00 12.00	4.39
10 13 11 00-0047 Wall Mounted Bulletin Boards (10 13 11)		
10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	138.18 15.00	10.80
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	110.22 15.00	5.08
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	91.93 15.00	4.39
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	84.84 15.00	2.86
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	77.54 15.00	1.59
10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 11 00-0049)		
10 13 11 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	116.15 15.00	10.80
10 13 11 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	91.89 15.00	4.39
10 13 11 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	65.52 15.00	2.86
10 13 11 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	59.36 15.00	1.59
10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	129.92 15.00 12.00 21.66	10.80
10 13 11 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	100.58 15.00 12.00 18.08	5.08



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	85.60 15.00 12.00 15.37	4.39
10 13 11 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	63.64 15.00 12.00 11.59	2.86
10 13 11 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	59.36 15.00 12.00 11.24	1.59
10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small>		
10 13 11 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	197.30 15.00 12.00 35.14	10.80
10 13 11 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	115.64 15.00 12.00 21.10	5.08
10 13 11 00-0071 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	97.92 15.00 12.00 17.83	4.39
10 13 11 00-0072 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	76.07 15.00 12.00 14.07	2.86
10 13 11 00-0073 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	70.38 15.00 12.00 13.44	1.59
10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0074)</small>		
10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0075)</small>		
10 13 11 00-0077 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	187.86 15.00 12.00	10.80
10 13 11 00-0078 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	124.02 15.00 12.00	5.08
10 13 11 00-0079 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	120.34 15.00 12.00	4.39
10 14 Signage <small>(10 10)</small> Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.		
10 14 16 Plaques <small>(10 14)</small> Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.		
10 14 16 00-0001 Metal Cased Plaque <small>(10 14 16)</small>		
10 14 16 00-0002 SF Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	730.46 -79.08 -139.43	31.75
10 14 16 00-0003 SF Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	404.40 -43.21 -70.96	31.75
10 14 16 00-0004 Metal Engraved Plaque, Etched <small>(10 14 16)</small>		
10 14 16 00-0005 SF Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	442.17 -47.37 -78.89	31.75
10 14 16 00-0006 SF Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	413.52 -44.22 -72.87	31.75
10 14 16 00-0007 SF Brass Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	289.79 -30.61 -46.89	31.75

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0008 SF Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	280.67 -29.60 -44.97	31.75
10 14 16 00-0009 Metal Built-Up Plaque <small>(10 14 16)</small>		
10 14 16 00-0010 SF Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	546.17 -58.49 -97.24	39.36
10 14 16 00-0011 SF Copper And Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	557.91 -59.78 -99.70	39.36
10 14 16 00-0012 SF Copper And Aluminum Built-up Plaque..... Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	454.38 -48.39 -77.96	39.36
10 14 16 00-0013 SF Bronze Built-up Dedication Plaque Note: Including Raised Bronze Lettering <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	638.21 -68.62 -116.56	79.37
10 14 16 00-0014 SF Bronze Built-up Plaque Note: Including Raised Bronze Lettering <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	540.35 -57.85 -96.01	79.37
10 14 16 00-0015 Metal Nameplate Plaques <small>(10 14 16)</small>		
10 14 16 00-0016 SF Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	280.37 -29.99 -49.56	21.60
10 14 16 00-0017 SF Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	312.61 -33.54 -56.33	21.60
10 14 16 00-0018 EA 1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	202.10 -21.38 -33.13	21.60
10 14 16 00-0019 EA 1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	162.83 -17.06 -24.88	21.60
10 14 16 00-0020 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9') <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	526.37 -56.31 -93.08	79.37
10 14 19 Dimensional Letter Signage <small>(10 14)</small>		
Note: Mounted on masonry or concrete.		
10 14 19 00-0001 Cast Characters <small>(10 14 19)</small>		
Note: Any font.		
10 14 19 00-0002 Satin Finish, Cast Aluminum Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0003 EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	55.09 -5.93 2.33 7.00 9.34 11.67	7.94
10 14 19 00-0004 EA 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	64.81 -6.67 3.05 9.16 12.21 15.26	8.57
10 14 19 00-0005 EA 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	70.94 -7.23 3.41 10.23 13.64 17.06	9.20
10 14 19 00-0006 EA 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	81.41 -8.26 3.95 11.85 15.80 19.75	10.54
10 14 19 00-0007 EA 6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	89.33 -8.91 4.49 13.47 17.96 22.45	11.11



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	106.46	12.70
			<i>For Installation With Adhesive, Deduct</i>	-10.40	
			<i>For Clear Anodized, Add</i>	5.57	
			<i>For Satin Face And Enameled Return, Add</i>	16.70	
			<i>For Patina Finish, Add</i>	22.26	
			<i>For Color Anodized, Add</i>	27.83	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	117.97	13.34
			<i>For Installation With Adhesive, Deduct</i>	-11.23	
			<i>For Clear Anodized, Add</i>	6.46	
			<i>For Satin Face And Enameled Return, Add</i>	19.39	
			<i>For Patina Finish, Add</i>	25.86	
			<i>For Color Anodized, Add</i>	32.32	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	134.36	14.28
			<i>For Installation With Adhesive, Deduct</i>	-12.43	
			<i>For Clear Anodized, Add</i>	7.72	
			<i>For Satin Face And Enameled Return, Add</i>	23.16	
			<i>For Patina Finish, Add</i>	30.88	
			<i>For Color Anodized, Add</i>	38.61	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	163.00	16.50
			<i>For Installation With Adhesive, Deduct</i>	-14.75	
			<i>For Clear Anodized, Add</i>	9.70	
			<i>For Satin Face And Enameled Return, Add</i>	29.09	
			<i>For Patina Finish, Add</i>	38.78	
			<i>For Color Anodized, Add</i>	48.48	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	194.69	19.05
			<i>For Installation With Adhesive, Deduct</i>	-17.35	
			<i>For Clear Anodized, Add</i>	11.85	
			<i>For Satin Face And Enameled Return, Add</i>	35.55	
			<i>For Patina Finish, Add</i>	47.40	
			<i>For Color Anodized, Add</i>	59.25	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	213.98	21.17
			<i>For Installation With Adhesive, Deduct</i>	-19.17	
			<i>For Clear Anodized, Add</i>	12.93	
			<i>For Satin Face And Enameled Return, Add</i>	38.78	
			<i>For Patina Finish, Add</i>	51.71	
			<i>For Color Anodized, Add</i>	64.64	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	238.66	22.86
			<i>For Installation With Adhesive, Deduct</i>	-21.08	
			<i>For Clear Anodized, Add</i>	14.72	
			<i>For Satin Face And Enameled Return, Add</i>	44.17	
			<i>For Patina Finish, Add</i>	58.89	
			<i>For Color Anodized, Add</i>	73.62	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	288.32	25.39
			<i>For Installation With Adhesive, Deduct</i>	-24.58	
			<i>For Clear Anodized, Add</i>	18.67	
			<i>For Satin Face And Enameled Return, Add</i>	56.02	
			<i>For Patina Finish, Add</i>	74.69	
			<i>For Color Anodized, Add</i>	93.37	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	347.71	28.57
			<i>For Installation With Adhesive, Deduct</i>	-28.81	
			<i>For Clear Anodized, Add</i>	23.34	
			<i>For Satin Face And Enameled Return, Add</i>	70.03	
			<i>For Patina Finish, Add</i>	93.37	
			<i>For Color Anodized, Add</i>	116.71	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	417.86	31.75
			<i>For Installation With Adhesive, Deduct</i>	-33.59	
			<i>For Clear Anodized, Add</i>	29.09	
			<i>For Satin Face And Enameled Return, Add</i>	87.26	
			<i>For Patina Finish, Add</i>	116.35	
			<i>For Color Anodized, Add</i>	145.44	
10 14 19 00-0018			Satin Finish, Cast Bronze Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019	EA		2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	66.16	8.74
			<i>For Installation With Adhesive, Deduct</i>	-6.80	
			<i>For Oxidized Finish, Add</i>	4.69	
			<i>For Polished Or Patina Finish, Add</i>	9.37	
10 14 19 00-0020	EA		3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	93.14	9.52
			<i>For Installation With Adhesive, Deduct</i>	-8.47	
			<i>For Oxidized Finish, Add</i>	8.26	
			<i>For Polished Or Patina Finish, Add</i>	16.51	
10 14 19 00-0021	EA		4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	101.64	10.16
			<i>For Installation With Adhesive, Deduct</i>	-9.15	
			<i>For Oxidized Finish, Add</i>	9.15	
			<i>For Polished Or Patina Finish, Add</i>	18.30	
10 14 19 00-0022	EA		5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	123.08	11.43
			<i>For Installation With Adhesive, Deduct</i>	-10.73	
			<i>For Oxidized Finish, Add</i>	11.60	
			<i>For Polished Or Patina Finish, Add</i>	23.21	
10 14 19 00-0023	EA		6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	136.66	12.19
			<i>For Installation With Adhesive, Deduct</i>	-11.72	
			<i>For Oxidized Finish, Add</i>	13.17	
			<i>For Polished Or Patina Finish, Add</i>	26.33	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0024 EA 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	180.85	13.97
For Installation With Adhesive, Deduct	-14.63	
For Oxidized Finish, Add	18.75	
For Polished Or Patina Finish, Add	37.49	
10 14 19 00-0025 EA 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	205.69	14.60
For Installation With Adhesive, Deduct	-16.13	
For Oxidized Finish, Add	22.09	
For Polished Or Patina Finish, Add	44.18	
10 14 19 00-0026 EA 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	230.11	15.87
For Installation With Adhesive, Deduct	-17.85	
For Oxidized Finish, Add	24.99	
For Polished Or Patina Finish, Add	49.99	
10 14 19 00-0027 EA 12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	273.00	18.41
For Installation With Adhesive, Deduct	-21.02	
For Oxidized Finish, Add	29.90	
For Polished Or Patina Finish, Add	59.81	
10 14 19 00-0028 EA 14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	320.36	20.95
For Installation With Adhesive, Deduct	-24.40	
For Oxidized Finish, Add	35.48	
For Polished Or Patina Finish, Add	70.96	
10 14 19 00-0029 EA 15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	379.79	25.39
For Installation With Adhesive, Deduct	-29.15	
For Oxidized Finish, Add	41.73	
For Polished Or Patina Finish, Add	83.46	
10 14 19 00-0030 EA 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	394.85	27.31
For Installation With Adhesive, Deduct	-30.66	
For Oxidized Finish, Add	42.85	
For Polished Or Patina Finish, Add	85.69	
10 14 19 00-0031 EA 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	556.93	31.75
For Installation With Adhesive, Deduct	-40.55	
For Oxidized Finish, Add	64.49	
For Polished Or Patina Finish, Add	128.98	
10 14 19 00-0032 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	669.50	35.72
For Installation With Adhesive, Deduct	-47.76	
For Oxidized Finish, Add	79.00	
For Polished Or Patina Finish, Add	157.99	
10 14 19 00-0033 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	849.43	41.28
For Installation With Adhesive, Deduct	-58.98	
For Oxidized Finish, Add	102.65	
For Polished Or Patina Finish, Add	205.30	
10 14 19 00-0034 Molded Characters <small>(10 14 19)</small>		
Note: Any font.		
10 14 19 00-0035 Molded Plastic Characters <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036 EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	42.41	6.35
For Installation With Adhesive, Deduct	-4.66	
10 14 19 00-0037 EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	45.99	6.98
For Installation With Adhesive, Deduct	-5.09	
10 14 19 00-0038 EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	50.73	7.62
For Installation With Adhesive, Deduct	-5.58	
10 14 19 00-0039 EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	64.16	8.26
For Installation With Adhesive, Deduct	-6.51	
10 14 19 00-0040 EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	69.31	8.89
For Installation With Adhesive, Deduct	-7.02	
10 14 19 00-0041 EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	75.02	9.52
For Installation With Adhesive, Deduct	-7.56	
10 14 19 00-0042 EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	87.43	11.11
For Installation With Adhesive, Deduct	-8.82	
10 14 19 00-0043 EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	114.85	13.97
For Installation With Adhesive, Deduct	-11.33	
10 14 19 00-0044 EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	145.52	16.50
For Installation With Adhesive, Deduct	-13.88	
10 14 19 00-0045 EA 24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	213.17	20.32
For Installation With Adhesive, Deduct	-18.79	
10 14 19 00-0046 EA 30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	313.03	23.81
For Installation With Adhesive, Deduct	-25.18	
10 14 19 00-0047 EA 36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	408.76	27.31
For Installation With Adhesive, Deduct	-31.36	
10 14 19 00-0048 EA 48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	756.49	36.51
For Installation With Adhesive, Deduct	-52.43	
10 14 19 00-0049 Cutout Characters <small>(10 14 19)</small>		
Note: Any font.		
10 14 19 00-0050 Satin Finish, Aluminum Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	51.50 -5.75 1.98 6.91 9.88 9.88 14.81	7.94
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	70.94 -7.23 3.41 11.94 17.06 17.06 25.58	9.20
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	94.71 -9.18 5.03 17.59 25.14 25.14 37.70	11.11
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	115.44 -10.85 6.46 22.62 32.32 32.32 48.48	12.70
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	132.56 -12.34 7.54 26.39 37.71 37.71 56.56	14.28
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	152.22 -14.22 8.62 30.16 43.09 43.09 64.64	16.50
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	178.53 -16.55 10.23 35.82 51.17 51.17 76.76	19.05
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	211.73 -19.73 12.03 42.11 60.15 60.15 90.23	22.86
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	238.05 -22.06 13.65 47.76 68.23 68.23 102.35	25.39
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	284.86 -25.67 17.06 59.70 85.29 85.29 127.93	28.57
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	325.33 -28.33 20.47 71.64 102.35 102.35 153.52	30.16
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	399.91 -32.69 27.29 95.52 136.46 136.46 204.69	31.75

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0064	EA		30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	568.35	38.10
			<i>For Installation With Adhesive, Deduct</i>	-43.66	
			<i>For Clear Anodized, Add</i>	41.60	
			<i>For Satin Face And Enameled Return, Add</i>	145.59	
			<i>For Color Anodized, Add</i>	207.98	
			<i>For Polished Or Patina Finish, Add</i>	207.98	
			<i>For Polished Anodized Finish, Add</i>	311.97	
10 14 19 00-0065			3/8" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0065)</small>		
10 14 19 00-0066	EA		2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	64.14	7.94
			<i>For Installation With Adhesive, Deduct</i>	-6.38	
			<i>For Clear Anodized, Add</i>	3.24	
			<i>For Satin Face And Enameled Return, Add</i>	11.34	
			<i>For Color Anodized, Add</i>	16.20	
			<i>For Polished Or Patina Finish, Add</i>	16.20	
			<i>For Polished Anodized Finish, Add</i>	24.29	
10 14 19 00-0067	EA		4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	90.73	9.20
			<i>For Installation With Adhesive, Deduct</i>	-8.22	
			<i>For Clear Anodized, Add</i>	5.39	
			<i>For Satin Face And Enameled Return, Add</i>	18.87	
			<i>For Color Anodized, Add</i>	26.95	
			<i>For Polished Or Patina Finish, Add</i>	26.95	
			<i>For Polished Anodized Finish, Add</i>	40.43	
10 14 19 00-0068	EA		6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	114.32	11.11
			<i>For Installation With Adhesive, Deduct</i>	-10.16	
			<i>For Clear Anodized, Add</i>	6.99	
			<i>For Satin Face And Enameled Return, Add</i>	24.46	
			<i>For Color Anodized, Add</i>	34.94	
			<i>For Polished Or Patina Finish, Add</i>	34.94	
			<i>For Polished Anodized Finish, Add</i>	52.41	
10 14 19 00-0069	EA		8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	142.59	12.70
			<i>For Installation With Adhesive, Deduct</i>	-12.21	
			<i>For Clear Anodized, Add</i>	9.18	
			<i>For Satin Face And Enameled Return, Add</i>	32.13	
			<i>For Color Anodized, Add</i>	45.90	
			<i>For Polished Or Patina Finish, Add</i>	45.90	
			<i>For Polished Anodized Finish, Add</i>	68.84	
10 14 19 00-0070	EA		10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	164.99	14.28
			<i>For Installation With Adhesive, Deduct</i>	-13.96	
			<i>For Clear Anodized, Add</i>	10.78	
			<i>For Satin Face And Enameled Return, Add</i>	37.74	
			<i>For Color Anodized, Add</i>	53.92	
			<i>For Polished Or Patina Finish, Add</i>	53.92	
			<i>For Polished Anodized Finish, Add</i>	80.88	
10 14 19 00-0071	EA		12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	193.59	16.50
			<i>For Installation With Adhesive, Deduct</i>	-16.28	
			<i>For Clear Anodized, Add</i>	12.76	
			<i>For Satin Face And Enameled Return, Add</i>	44.64	
			<i>For Color Anodized, Add</i>	63.78	
			<i>For Polished Or Patina Finish, Add</i>	63.78	
			<i>For Polished Anodized Finish, Add</i>	95.66	
10 14 19 00-0072	EA		14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	226.63	19.05
			<i>For Installation With Adhesive, Deduct</i>	-18.95	
			<i>For Clear Anodized, Add</i>	15.04	
			<i>For Satin Face And Enameled Return, Add</i>	52.65	
			<i>For Color Anodized, Add</i>	75.22	
			<i>For Polished Or Patina Finish, Add</i>	75.22	
			<i>For Polished Anodized Finish, Add</i>	112.83	
10 14 19 00-0073	EA		16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	280.30	22.86
			<i>For Installation With Adhesive, Deduct</i>	-23.16	
			<i>For Clear Anodized, Add</i>	18.89	
			<i>For Satin Face And Enameled Return, Add</i>	66.10	
			<i>For Color Anodized, Add</i>	94.44	
			<i>For Polished Or Patina Finish, Add</i>	94.44	
			<i>For Polished Anodized Finish, Add</i>	141.65	
10 14 19 00-0074	EA		18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	324.02	25.39
			<i>For Installation With Adhesive, Deduct</i>	-26.36	
			<i>For Clear Anodized, Add</i>	22.24	
			<i>For Satin Face And Enameled Return, Add</i>	77.85	
			<i>For Color Anodized, Add</i>	111.22	
			<i>For Polished Or Patina Finish, Add</i>	111.22	
			<i>For Polished Anodized Finish, Add</i>	166.82	
10 14 19 00-0075	EA		20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	375.27	28.57
			<i>For Installation With Adhesive, Deduct</i>	-30.19	
			<i>For Clear Anodized, Add</i>	26.10	
			<i>For Satin Face And Enameled Return, Add</i>	91.34	
			<i>For Color Anodized, Add</i>	130.49	
			<i>For Polished Or Patina Finish, Add</i>	130.49	
			<i>For Polished Anodized Finish, Add</i>	195.74	
10 14 19 00-0076	EA		22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	419.48	30.16
			<i>For Installation With Adhesive, Deduct</i>	-33.04	
			<i>For Clear Anodized, Add</i>	29.88	
			<i>For Satin Face And Enameled Return, Add</i>	104.59	
			<i>For Color Anodized, Add</i>	149.42	
			<i>For Polished Or Patina Finish, Add</i>	149.42	
			<i>For Polished Anodized Finish, Add</i>	224.13	



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0077 EA 24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	465.41	31.75
For Installation With Adhesive, Deduct	-35.97	
For Clear Anodized, Add	33.84	
For Satin Face And Enameled Return, Add	118.45	
For Color Anodized, Add	169.21	
For Polished Or Patina Finish, Add	169.21	
For Polished Anodized Finish, Add	253.82	
10 14 19 00-0078 EA 30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	637.17	38.10
For Installation With Adhesive, Deduct	-47.10	
For Clear Anodized, Add	48.48	
For Satin Face And Enameled Return, Add	169.67	
For Color Anodized, Add	242.39	
For Polished Or Patina Finish, Add	242.39	
For Polished Anodized Finish, Add	363.59	
10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0080 EA 2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	78.76	7.94
For Installation With Adhesive, Deduct	-7.11	
For Clear Anodized, Add	4.70	
For Satin Face And Enameled Return, Add	16.45	
For Color Anodized, Add	23.51	
For Polished Or Patina Finish, Add	23.51	
For Polished Anodized Finish, Add	35.26	
10 14 19 00-0081 EA 4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	101.31	9.20
For Installation With Adhesive, Deduct	-8.75	
For Clear Anodized, Add	6.45	
For Satin Face And Enameled Return, Add	22.57	
For Color Anodized, Add	32.24	
For Polished Or Patina Finish, Add	32.24	
For Polished Anodized Finish, Add	48.36	
10 14 19 00-0082 EA 6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	126.89	11.11
For Installation With Adhesive, Deduct	-10.79	
For Clear Anodized, Add	8.25	
For Satin Face And Enameled Return, Add	28.86	
For Color Anodized, Add	41.23	
For Polished Or Patina Finish, Add	41.23	
For Polished Anodized Finish, Add	61.84	
10 14 19 00-0083 EA 8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	149.70	12.70
For Installation With Adhesive, Deduct	-12.57	
For Clear Anodized, Add	9.89	
For Satin Face And Enameled Return, Add	34.62	
For Color Anodized, Add	49.45	
For Polished Or Patina Finish, Add	49.45	
For Polished Anodized Finish, Add	74.18	
10 14 19 00-0084 EA 10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	174.04	14.28
For Installation With Adhesive, Deduct	-14.42	
For Clear Anodized, Add	11.69	
For Satin Face And Enameled Return, Add	40.91	
For Color Anodized, Add	58.45	
For Polished Or Patina Finish, Add	58.45	
For Polished Anodized Finish, Add	87.67	
10 14 19 00-0085 EA 12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	213.41	16.50
For Installation With Adhesive, Deduct	-17.27	
For Clear Anodized, Add	14.74	
For Satin Face And Enameled Return, Add	51.58	
For Color Anodized, Add	73.69	
For Polished Or Patina Finish, Add	73.69	
For Polished Anodized Finish, Add	110.53	
10 14 19 00-0086 EA 14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	262.46	19.05
For Installation With Adhesive, Deduct	-20.74	
For Clear Anodized, Add	18.63	
For Satin Face And Enameled Return, Add	65.19	
For Color Anodized, Add	93.14	
For Polished Or Patina Finish, Add	93.14	
For Polished Anodized Finish, Add	139.70	
10 14 19 00-0087 EA 16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	317.59	22.86
For Installation With Adhesive, Deduct	-25.02	
For Clear Anodized, Add	22.62	
For Satin Face And Enameled Return, Add	79.16	
For Color Anodized, Add	113.08	
For Polished Or Patina Finish, Add	113.08	
For Polished Anodized Finish, Add	169.62	
10 14 19 00-0088 EA 18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	384.06	25.39
For Installation With Adhesive, Deduct	-29.36	
For Clear Anodized, Add	28.25	
For Satin Face And Enameled Return, Add	98.86	
For Color Anodized, Add	141.24	
For Polished Or Patina Finish, Add	141.24	
For Polished Anodized Finish, Add	211.85	
10 14 19 00-0089 EA 20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	452.02	28.57
For Installation With Adhesive, Deduct	-34.03	
For Clear Anodized, Add	33.77	
For Satin Face And Enameled Return, Add	118.21	
For Color Anodized, Add	168.87	
For Polished Or Patina Finish, Add	168.87	
For Polished Anodized Finish, Add	253.30	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	517.73	30.16
		<i>For Installation With Adhesive, Deduct</i>	-37.95	
		<i>For Clear Anodized, Add</i>	39.71	
		<i>For Satin Face And Enameled Return, Add</i>	138.98	
		<i>For Color Anodized, Add</i>	198.55	
		<i>For Polished Or Patina Finish, Add</i>	198.55	
		<i>For Polished Anodized Finish, Add</i>	297.82	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	580.03	31.75
		<i>For Installation With Adhesive, Deduct</i>	-41.70	
		<i>For Clear Anodized, Add</i>	45.30	
		<i>For Satin Face And Enameled Return, Add</i>	158.56	
		<i>For Color Anodized, Add</i>	226.52	
		<i>For Polished Or Patina Finish, Add</i>	226.52	
		<i>For Polished Anodized Finish, Add</i>	339.78	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	802.00	38.10
		<i>For Installation With Adhesive, Deduct</i>	-55.34	
		<i>For Clear Anodized, Add</i>	64.96	
		<i>For Satin Face And Enameled Return, Add</i>	227.36	
		<i>For Color Anodized, Add</i>	324.81	
		<i>For Polished Or Patina Finish, Add</i>	324.81	
		<i>For Polished Anodized Finish, Add</i>	487.21	
10 14 19 00-0093		3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	82.11	7.94
		<i>For Installation With Adhesive, Deduct</i>	-7.28	
		<i>For Clear Anodized, Add</i>	5.04	
		<i>For Satin Face And Enameled Return, Add</i>	17.63	
		<i>For Color Anodized, Add</i>	25.18	
		<i>For Polished Or Patina Finish, Add</i>	25.18	
		<i>For Polished Anodized Finish, Add</i>	37.77	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	105.06	9.20
		<i>For Installation With Adhesive, Deduct</i>	-8.94	
		<i>For Clear Anodized, Add</i>	6.82	
		<i>For Satin Face And Enameled Return, Add</i>	23.88	
		<i>For Color Anodized, Add</i>	34.12	
		<i>For Polished Or Patina Finish, Add</i>	34.12	
		<i>For Polished Anodized Finish, Add</i>	51.17	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	137.95	11.11
		<i>For Installation With Adhesive, Deduct</i>	-11.34	
		<i>For Clear Anodized, Add</i>	9.35	
		<i>For Satin Face And Enameled Return, Add</i>	32.73	
		<i>For Color Anodized, Add</i>	46.76	
		<i>For Polished Or Patina Finish, Add</i>	46.76	
		<i>For Polished Anodized Finish, Add</i>	70.13	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	182.02	12.70
		<i>For Installation With Adhesive, Deduct</i>	-14.18	
		<i>For Clear Anodized, Add</i>	13.12	
		<i>For Satin Face And Enameled Return, Add</i>	45.93	
		<i>For Color Anodized, Add</i>	65.61	
		<i>For Polished Or Patina Finish, Add</i>	65.61	
		<i>For Polished Anodized Finish, Add</i>	98.42	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	227.58	14.28
		<i>For Installation With Adhesive, Deduct</i>	-17.09	
		<i>For Clear Anodized, Add</i>	17.04	
		<i>For Satin Face And Enameled Return, Add</i>	59.65	
		<i>For Color Anodized, Add</i>	85.22	
		<i>For Polished Or Patina Finish, Add</i>	85.22	
		<i>For Polished Anodized Finish, Add</i>	127.82	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	284.95	16.50
		<i>For Installation With Adhesive, Deduct</i>	-20.85	
		<i>For Clear Anodized, Add</i>	21.89	
		<i>For Satin Face And Enameled Return, Add</i>	76.62	
		<i>For Color Anodized, Add</i>	109.46	
		<i>For Polished Or Patina Finish, Add</i>	109.46	
		<i>For Polished Anodized Finish, Add</i>	164.18	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	354.56	19.05
		<i>For Installation With Adhesive, Deduct</i>	-25.35	
		<i>For Clear Anodized, Add</i>	27.84	
		<i>For Satin Face And Enameled Return, Add</i>	97.43	
		<i>For Color Anodized, Add</i>	139.19	
		<i>For Polished Or Patina Finish, Add</i>	139.19	
		<i>For Polished Anodized Finish, Add</i>	208.78	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	437.89	22.86
		<i>For Installation With Adhesive, Deduct</i>	-31.04	
		<i>For Clear Anodized, Add</i>	34.65	
		<i>For Satin Face And Enameled Return, Add</i>	121.26	
		<i>For Color Anodized, Add</i>	173.23	
		<i>For Polished Or Patina Finish, Add</i>	173.23	
		<i>For Polished Anodized Finish, Add</i>	259.85	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	534.16	25.39
		<i>For Installation With Adhesive, Deduct</i>	-36.87	
		<i>For Clear Anodized, Add</i>	43.26	
		<i>For Satin Face And Enameled Return, Add</i>	151.40	
		<i>For Color Anodized, Add</i>	216.29	
		<i>For Polished Or Patina Finish, Add</i>	216.29	
		<i>For Polished Anodized Finish, Add</i>	324.43	



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	634.54	28.57
			<i>For Installation With Adhesive, Deduct</i>	-43.16	
			<i>For Clear Anodized, Add</i>	52.03	
			<i>For Satin Face And Enameled Return, Add</i>	182.09	
			<i>For Color Anodized, Add</i>	260.13	
			<i>For Polished Or Patina Finish, Add</i>	260.13	
			<i>For Polished Anodized Finish, Add</i>	390.19	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	734.70	30.16
			<i>For Installation With Adhesive, Deduct</i>	-48.80	
			<i>For Clear Anodized, Add</i>	61.41	
			<i>For Satin Face And Enameled Return, Add</i>	214.92	
			<i>For Color Anodized, Add</i>	307.03	
			<i>For Polished Or Patina Finish, Add</i>	307.03	
			<i>For Polished Anodized Finish, Add</i>	460.55	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	839.30	31.75
			<i>For Installation With Adhesive, Deduct</i>	-54.66	
			<i>For Clear Anodized, Add</i>	71.23	
			<i>For Satin Face And Enameled Return, Add</i>	249.31	
			<i>For Color Anodized, Add</i>	356.16	
			<i>For Polished Or Patina Finish, Add</i>	356.16	
			<i>For Polished Anodized Finish, Add</i>	534.23	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,151.05	38.10
			<i>For Installation With Adhesive, Deduct</i>	-72.79	
			<i>For Clear Anodized, Add</i>	99.87	
			<i>For Satin Face And Enameled Return, Add</i>	349.53	
			<i>For Color Anodized, Add</i>	499.33	
			<i>For Polished Or Patina Finish, Add</i>	499.33	
			<i>For Polished Anodized Finish, Add</i>	749.00	
10 14 19 00-0107			1" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	91.00	7.94
			<i>For Installation With Adhesive, Deduct</i>	-7.73	
			<i>For Clear Anodized, Add</i>	5.93	
			<i>For Satin Face And Enameled Return, Add</i>	20.74	
			<i>For Color Anodized, Add</i>	29.63	
			<i>For Polished Or Patina Finish, Add</i>	29.63	
			<i>For Polished Anodized Finish, Add</i>	44.44	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	112.22	9.20
			<i>For Installation With Adhesive, Deduct</i>	-9.29	
			<i>For Clear Anodized, Add</i>	7.54	
			<i>For Satin Face And Enameled Return, Add</i>	26.39	
			<i>For Color Anodized, Add</i>	37.70	
			<i>For Polished Or Patina Finish, Add</i>	37.70	
			<i>For Polished Anodized Finish, Add</i>	56.54	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	147.00	11.11
			<i>For Installation With Adhesive, Deduct</i>	-11.79	
			<i>For Clear Anodized, Add</i>	10.26	
			<i>For Satin Face And Enameled Return, Add</i>	35.90	
			<i>For Color Anodized, Add</i>	51.28	
			<i>For Polished Or Patina Finish, Add</i>	51.28	
			<i>For Polished Anodized Finish, Add</i>	76.92	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	200.11	12.70
			<i>For Installation With Adhesive, Deduct</i>	-15.09	
			<i>For Clear Anodized, Add</i>	14.93	
			<i>For Satin Face And Enameled Return, Add</i>	52.26	
			<i>For Color Anodized, Add</i>	74.66	
			<i>For Polished Or Patina Finish, Add</i>	74.66	
			<i>For Polished Anodized Finish, Add</i>	111.98	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	270.56	14.28
			<i>For Installation With Adhesive, Deduct</i>	-19.24	
			<i>For Clear Anodized, Add</i>	21.34	
			<i>For Satin Face And Enameled Return, Add</i>	74.69	
			<i>For Color Anodized, Add</i>	106.71	
			<i>For Polished Or Patina Finish, Add</i>	106.71	
			<i>For Polished Anodized Finish, Add</i>	160.06	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	353.03	16.50
			<i>For Installation With Adhesive, Deduct</i>	-24.26	
			<i>For Clear Anodized, Add</i>	28.70	
			<i>For Satin Face And Enameled Return, Add</i>	100.45	
			<i>For Color Anodized, Add</i>	143.50	
			<i>For Polished Or Patina Finish, Add</i>	143.50	
			<i>For Polished Anodized Finish, Add</i>	215.24	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	445.65	19.05
			<i>For Installation With Adhesive, Deduct</i>	-29.90	
			<i>For Clear Anodized, Add</i>	36.95	
			<i>For Satin Face And Enameled Return, Add</i>	129.31	
			<i>For Color Anodized, Add</i>	184.73	
			<i>For Polished Or Patina Finish, Add</i>	184.73	
			<i>For Polished Anodized Finish, Add</i>	277.10	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	553.38	22.86
			<i>For Installation With Adhesive, Deduct</i>	-36.81	
			<i>For Clear Anodized, Add</i>	46.20	
			<i>For Satin Face And Enameled Return, Add</i>	161.68	
			<i>For Color Anodized, Add</i>	230.98	
			<i>For Polished Or Patina Finish, Add</i>	230.98	
			<i>For Polished Anodized Finish, Add</i>	346.46	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	669.26	25.39
		<i>For Installation With Adhesive, Deduct</i>	-43.62	
		<i>For Clear Anodized, Add</i>	56.77	
		<i>For Satin Face And Enameled Return, Add</i>	198.68	
		<i>For Color Anodized, Add</i>	283.84	
		<i>For Polished Or Patina Finish, Add</i>	283.84	
		<i>For Polished Anodized Finish, Add</i>	425.75	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	822.17	28.57
		<i>For Installation With Adhesive, Deduct</i>	-52.54	
		<i>For Clear Anodized, Add</i>	70.79	
		<i>For Satin Face And Enameled Return, Add</i>	247.76	
		<i>For Color Anodized, Add</i>	353.94	
		<i>For Polished Or Patina Finish, Add</i>	353.94	
		<i>For Polished Anodized Finish, Add</i>	530.91	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	978.28	30.16
		<i>For Installation With Adhesive, Deduct</i>	-60.98	
		<i>For Clear Anodized, Add</i>	85.76	
		<i>For Satin Face And Enameled Return, Add</i>	300.17	
		<i>For Color Anodized, Add</i>	428.82	
		<i>For Polished Or Patina Finish, Add</i>	428.82	
		<i>For Polished Anodized Finish, Add</i>	643.23	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,153.15	31.75
		<i>For Installation With Adhesive, Deduct</i>	-70.36	
		<i>For Clear Anodized, Add</i>	102.62	
		<i>For Satin Face And Enameled Return, Add</i>	359.16	
		<i>For Color Anodized, Add</i>	513.08	
		<i>For Polished Or Patina Finish, Add</i>	513.08	
		<i>For Polished Anodized Finish, Add</i>	769.62	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,626.14	38.10
		<i>For Installation With Adhesive, Deduct</i>	-96.55	
		<i>For Clear Anodized, Add</i>	147.38	
		<i>For Satin Face And Enameled Return, Add</i>	515.81	
		<i>For Color Anodized, Add</i>	736.88	
		<i>For Polished Or Patina Finish, Add</i>	736.88	
		<i>For Polished Anodized Finish, Add</i>	1,105.31	
10 14 19 00-0121		Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122		1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	68.20	7.94
		<i>For Installation With Adhesive, Deduct</i>	-6.59	
		<i>For Oxidized Finish, Add</i>	5.47	
		<i>For Polished Finish, Add</i>	10.94	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	87.56	9.20
		<i>For Installation With Adhesive, Deduct</i>	-8.06	
		<i>For Oxidized Finish, Add</i>	7.61	
		<i>For Polished Finish, Add</i>	15.22	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	119.95	11.11
		<i>For Installation With Adhesive, Deduct</i>	-10.44	
		<i>For Oxidized Finish, Add</i>	11.33	
		<i>For Polished Finish, Add</i>	22.65	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	156.26	12.70
		<i>For Installation With Adhesive, Deduct</i>	-12.89	
		<i>For Oxidized Finish, Add</i>	15.82	
		<i>For Polished Finish, Add</i>	31.64	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	199.06	14.28
		<i>For Installation With Adhesive, Deduct</i>	-15.67	
		<i>For Oxidized Finish, Add</i>	21.29	
		<i>For Polished Finish, Add</i>	42.57	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	250.92	16.50
		<i>For Installation With Adhesive, Deduct</i>	-19.15	
		<i>For Oxidized Finish, Add</i>	27.73	
		<i>For Polished Finish, Add</i>	55.46	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	313.14	19.05
		<i>For Installation With Adhesive, Deduct</i>	-23.28	
		<i>For Oxidized Finish, Add</i>	35.54	
		<i>For Polished Finish, Add</i>	71.09	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	381.76	22.86
		<i>For Installation With Adhesive, Deduct</i>	-28.23	
		<i>For Oxidized Finish, Add</i>	43.55	
		<i>For Polished Finish, Add</i>	87.10	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	462.41	25.39
		<i>For Installation With Adhesive, Deduct</i>	-33.28	
		<i>For Oxidized Finish, Add</i>	54.12	
		<i>For Polished Finish, Add</i>	108.25	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	549.14	28.57
		<i>For Installation With Adhesive, Deduct</i>	-38.89	
		<i>For Oxidized Finish, Add</i>	65.23	
		<i>For Polished Finish, Add</i>	130.46	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	672.66	30.16
		<i>For Installation With Adhesive, Deduct</i>	-45.70	
		<i>For Oxidized Finish, Add</i>	82.80	
		<i>For Polished Finish, Add</i>	165.61	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	737.04 -49.55 91.51 183.02	31.75
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,103.61 -70.42 142.68 285.37	38.10
10 14 19 00-0136			3/8" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	80.96 -7.22 7.38 14.76	7.94
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	105.31 -8.95 10.27 20.54	9.20
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	150.16 -11.95 15.86 31.72	11.11
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	198.44 -15.00 22.15 44.29	12.70
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	262.92 -18.86 30.87 61.73	14.28
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	334.11 -23.31 40.21 80.42	16.50
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	419.77 -28.61 51.54 103.07	19.05
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	497.90 -34.04 60.97 121.94	22.86
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	624.78 -41.40 78.48 156.96	25.39
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	723.08 -47.58 91.32 182.64	28.57
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	887.95 -56.46 115.10 230.19	30.16
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,011.57 -63.28 132.69 265.37	31.75
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,398.49 -85.16 186.92 373.83	38.10
10 14 19 00-0150			1/2" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	101.01 -8.23 10.39 20.78	7.94
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	130.67 -10.22 14.08 28.15	9.20
10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	187.91 -13.84 21.52 43.04	11.11
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	256.44 -17.90 30.85 61.69	12.70

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0155 EA 10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	355.16	14.28
For Installation With Adhesive, Deduct	-23.47	
For Oxidized Finish, Add	44.70	
For Polished Finish, Add	89.40	
10 14 19 00-0156 EA 12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	472.77	16.50
For Installation With Adhesive, Deduct	-30.24	
For Oxidized Finish, Add	61.01	
For Polished Finish, Add	122.02	
10 14 19 00-0157 EA 14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	585.64	19.05
For Installation With Adhesive, Deduct	-36.90	
For Oxidized Finish, Add	76.42	
For Polished Finish, Add	152.84	
10 14 19 00-0158 EA 16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	698.23	22.86
For Installation With Adhesive, Deduct	-44.05	
For Oxidized Finish, Add	91.02	
For Polished Finish, Add	182.04	
10 14 19 00-0159 EA 18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	949.53	25.39
For Installation With Adhesive, Deduct	-57.64	
For Oxidized Finish, Add	127.19	
For Polished Finish, Add	254.38	
10 14 19 00-0160 EA 20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,070.96	28.57
For Installation With Adhesive, Deduct	-64.98	
For Oxidized Finish, Add	143.50	
For Polished Finish, Add	287.00	
10 14 19 00-0161 EA 22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,335.09	30.16
For Installation With Adhesive, Deduct	-78.82	
For Oxidized Finish, Add	182.17	
For Polished Finish, Add	364.34	
10 14 19 00-0162 EA 24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,560.61	31.75
For Installation With Adhesive, Deduct	-90.73	
For Oxidized Finish, Add	215.04	
For Polished Finish, Add	430.09	
10 14 19 00-0163 EA 30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,349.72	38.10
For Installation With Adhesive, Deduct	-132.73	
For Oxidized Finish, Add	329.60	
For Polished Finish, Add	659.20	
10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0165 EA 2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	122.89	7.94
For Installation With Adhesive, Deduct	-9.32	
For Oxidized Finish, Add	13.67	
For Polished Finish, Add	27.34	
10 14 19 00-0166 EA 4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	171.25	9.20
For Installation With Adhesive, Deduct	-12.25	
For Oxidized Finish, Add	20.16	
For Polished Finish, Add	40.33	
10 14 19 00-0167 EA 6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	233.22	11.11
For Installation With Adhesive, Deduct	-16.11	
For Oxidized Finish, Add	28.32	
For Polished Finish, Add	56.63	
10 14 19 00-0168 EA 8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	314.44	12.70
For Installation With Adhesive, Deduct	-20.80	
For Oxidized Finish, Add	39.55	
For Polished Finish, Add	79.09	
10 14 19 00-0169 EA 10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	426.12	14.28
For Installation With Adhesive, Deduct	-27.02	
For Oxidized Finish, Add	55.35	
For Polished Finish, Add	110.69	
10 14 19 00-0170 EA 12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	583.69	16.50
For Installation With Adhesive, Deduct	-35.79	
For Oxidized Finish, Add	77.65	
For Polished Finish, Add	155.30	
10 14 19 00-0171 EA 14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	727.81	19.05
For Installation With Adhesive, Deduct	-44.01	
For Oxidized Finish, Add	97.74	
For Polished Finish, Add	195.49	
10 14 19 00-0172 EA 16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	849.20	22.86
For Installation With Adhesive, Deduct	-51.60	
For Oxidized Finish, Add	113.67	
For Polished Finish, Add	227.33	
10 14 19 00-0173 EA 18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,129.94	25.39
For Installation With Adhesive, Deduct	-66.66	
For Oxidized Finish, Add	154.25	
For Polished Finish, Add	308.51	
10 14 19 00-0174 EA 20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,236.20	28.57
For Installation With Adhesive, Deduct	-73.24	
For Oxidized Finish, Add	168.29	
For Polished Finish, Add	336.57	
10 14 19 00-0175 EA 22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,566.94	30.16
For Installation With Adhesive, Deduct	-90.41	
For Oxidized Finish, Add	216.95	
For Polished Finish, Add	433.89	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,987.65	31.75
			<i>For Installation With Adhesive, Deduct</i>	-112.08	
			<i>For Oxidized Finish, Add</i>	279.10	
			<i>For Polished Finish, Add</i>	558.20	
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,996.55	38.10
			<i>For Installation With Adhesive, Deduct</i>	-165.07	
			<i>For Oxidized Finish, Add</i>	426.62	
			<i>For Polished Finish, Add</i>	853.25	
10 14 19 00-0178			Satin Finish, Bronze Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0179			1/4" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	72.25	7.94
			<i>For Installation With Adhesive, Deduct</i>	-6.79	
			<i>For Oxidized Finish, Add</i>	6.08	
			<i>For Polished Or Patina Finish, Add</i>	12.15	
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	93.24	9.20
			<i>For Installation With Adhesive, Deduct</i>	-8.35	
			<i>For Oxidized Finish, Add</i>	8.46	
			<i>For Polished Or Patina Finish, Add</i>	16.92	
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	128.33	11.11
			<i>For Installation With Adhesive, Deduct</i>	-10.86	
			<i>For Oxidized Finish, Add</i>	12.58	
			<i>For Polished Or Patina Finish, Add</i>	25.17	
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	167.96	12.70
			<i>For Installation With Adhesive, Deduct</i>	-13.48	
			<i>For Oxidized Finish, Add</i>	17.57	
			<i>For Polished Or Patina Finish, Add</i>	35.15	
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	214.80	14.28
			<i>For Installation With Adhesive, Deduct</i>	-16.46	
			<i>For Oxidized Finish, Add</i>	23.65	
			<i>For Polished Or Patina Finish, Add</i>	47.30	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	271.42	16.50
			<i>For Installation With Adhesive, Deduct</i>	-20.18	
			<i>For Oxidized Finish, Add</i>	30.81	
			<i>For Polished Or Patina Finish, Add</i>	61.61	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	339.43	19.05
			<i>For Installation With Adhesive, Deduct</i>	-24.59	
			<i>For Oxidized Finish, Add</i>	39.49	
			<i>For Polished Or Patina Finish, Add</i>	78.97	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	421.20	22.86
			<i>For Installation With Adhesive, Deduct</i>	-30.20	
			<i>For Oxidized Finish, Add</i>	49.47	
			<i>For Polished Or Patina Finish, Add</i>	98.93	
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	503.68	25.39
			<i>For Installation With Adhesive, Deduct</i>	-35.34	
			<i>For Oxidized Finish, Add</i>	60.31	
			<i>For Polished Or Patina Finish, Add</i>	120.63	
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	597.38	28.57
			<i>For Installation With Adhesive, Deduct</i>	-41.30	
			<i>For Oxidized Finish, Add</i>	72.46	
			<i>For Polished Or Patina Finish, Add</i>	144.93	
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	696.30	30.16
			<i>For Installation With Adhesive, Deduct</i>	-46.88	
			<i>For Oxidized Finish, Add</i>	86.35	
			<i>For Polished Or Patina Finish, Add</i>	172.70	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	805.34	31.75
			<i>For Installation With Adhesive, Deduct</i>	-52.97	
			<i>For Oxidized Finish, Add</i>	101.75	
			<i>For Polished Or Patina Finish, Add</i>	203.51	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,219.81	38.10
			<i>For Installation With Adhesive, Deduct</i>	-76.23	
			<i>For Oxidized Finish, Add</i>	160.11	
			<i>For Polished Or Patina Finish, Add</i>	320.23	
10 14 19 00-0193			3/8" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	85.21	7.94
			<i>For Installation With Adhesive, Deduct</i>	-7.44	
			<i>For Oxidized Finish, Add</i>	8.02	
			<i>For Polished Or Patina Finish, Add</i>	16.04	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	110.73	9.20
			<i>For Installation With Adhesive, Deduct</i>	-9.22	
			<i>For Oxidized Finish, Add</i>	11.09	
			<i>For Polished Or Patina Finish, Add</i>	22.17	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	160.21	11.11
			<i>For Installation With Adhesive, Deduct</i>	-12.45	
			<i>For Oxidized Finish, Add</i>	17.37	
			<i>For Polished Or Patina Finish, Add</i>	34.73	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	211.30	12.70
			<i>For Installation With Adhesive, Deduct</i>	-15.65	
			<i>For Oxidized Finish, Add</i>	24.08	
			<i>For Polished Or Patina Finish, Add</i>	48.15	

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	285.75	14.28
			<i>For Installation With Adhesive, Deduct</i>	-20.00	
			<i>For Oxidized Finish, Add</i>	34.29	
			<i>For Polished Or Patina Finish, Add</i>	68.58	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	361.79	16.50
			<i>For Installation With Adhesive, Deduct</i>	-24.69	
			<i>For Oxidized Finish, Add</i>	44.36	
			<i>For Polished Or Patina Finish, Add</i>	88.73	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	452.62	19.05
			<i>For Installation With Adhesive, Deduct</i>	-30.25	
			<i>For Oxidized Finish, Add</i>	56.46	
			<i>For Polished Or Patina Finish, Add</i>	112.93	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	559.71	22.86
			<i>For Installation With Adhesive, Deduct</i>	-37.13	
			<i>For Oxidized Finish, Add</i>	70.24	
			<i>For Polished Or Patina Finish, Add</i>	140.48	
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	676.58	25.39
			<i>For Installation With Adhesive, Deduct</i>	-43.99	
			<i>For Oxidized Finish, Add</i>	86.25	
			<i>For Polished Or Patina Finish, Add</i>	172.50	
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	805.11	28.57
			<i>For Installation With Adhesive, Deduct</i>	-51.68	
			<i>For Oxidized Finish, Add</i>	103.62	
			<i>For Polished Or Patina Finish, Add</i>	207.25	
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	943.83	30.16
			<i>For Installation With Adhesive, Deduct</i>	-59.26	
			<i>For Oxidized Finish, Add</i>	123.48	
			<i>For Polished Or Patina Finish, Add</i>	246.96	
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,069.89	31.75
			<i>For Installation With Adhesive, Deduct</i>	-66.19	
			<i>For Oxidized Finish, Add</i>	141.44	
			<i>For Polished Or Patina Finish, Add</i>	282.87	
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,465.32	38.10
			<i>For Installation With Adhesive, Deduct</i>	-88.51	
			<i>For Oxidized Finish, Add</i>	196.94	
			<i>For Polished Or Patina Finish, Add</i>	393.88	
10 14 19 00-0207			1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	88.04	7.94
			<i>For Installation With Adhesive, Deduct</i>	-7.58	
			<i>For Oxidized Finish, Add</i>	8.44	
			<i>For Polished Or Patina Finish, Add</i>	16.89	
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	131.03	9.20
			<i>For Installation With Adhesive, Deduct</i>	-10.23	
			<i>For Oxidized Finish, Add</i>	14.13	
			<i>For Polished Or Patina Finish, Add</i>	28.26	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	186.21	11.11
			<i>For Installation With Adhesive, Deduct</i>	-13.75	
			<i>For Oxidized Finish, Add</i>	21.27	
			<i>For Polished Or Patina Finish, Add</i>	42.53	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	255.82	12.70
			<i>For Installation With Adhesive, Deduct</i>	-17.87	
			<i>For Oxidized Finish, Add</i>	30.75	
			<i>For Polished Or Patina Finish, Add</i>	61.51	
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	348.81	14.28
			<i>For Installation With Adhesive, Deduct</i>	-23.16	
			<i>For Oxidized Finish, Add</i>	43.75	
			<i>For Polished Or Patina Finish, Add</i>	87.50	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	474.76	16.50
			<i>For Installation With Adhesive, Deduct</i>	-30.34	
			<i>For Oxidized Finish, Add</i>	61.31	
			<i>For Polished Or Patina Finish, Add</i>	122.62	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	615.83	19.05
			<i>For Installation With Adhesive, Deduct</i>	-38.41	
			<i>For Oxidized Finish, Add</i>	80.95	
			<i>For Polished Or Patina Finish, Add</i>	161.89	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	770.76	22.86
			<i>For Installation With Adhesive, Deduct</i>	-47.68	
			<i>For Oxidized Finish, Add</i>	101.90	
			<i>For Polished Or Patina Finish, Add</i>	203.80	
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	945.98	25.39
			<i>For Installation With Adhesive, Deduct</i>	-57.46	
			<i>For Oxidized Finish, Add</i>	126.66	
			<i>For Polished Or Patina Finish, Add</i>	253.32	
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,133.60	28.57
			<i>For Installation With Adhesive, Deduct</i>	-68.11	
			<i>For Oxidized Finish, Add</i>	152.90	
			<i>For Polished Or Patina Finish, Add</i>	305.79	
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,341.03	30.16
			<i>For Installation With Adhesive, Deduct</i>	-79.12	
			<i>For Oxidized Finish, Add</i>	183.06	
			<i>For Polished Or Patina Finish, Add</i>	366.12	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,558.30	31.75
			<i>For Installation With Adhesive, Deduct</i>	-90.61	
			<i>For Oxidized Finish, Add</i>	214.70	
			<i>For Polished Or Patina Finish, Add</i>	429.39	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	2,180.49	38.10
			<i>For Installation With Adhesive, Deduct</i>	-124.26	
			<i>For Oxidized Finish, Add</i>	304.22	
			<i>For Polished Or Patina Finish, Add</i>	608.43	
10 14 19 00-0221			Satin Finish, Copper Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0222			1/4" Deep, Satin Finish, Copper Characters <small>(10 14 19 00-0221)</small>		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	68.20	7.94
			<i>For Installation With Adhesive, Deduct</i>	-6.59	
			<i>For Polished Finish, Add</i>	10.94	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	88.91	9.20
			<i>For Installation With Adhesive, Deduct</i>	-8.13	
			<i>For Polished Finish, Add</i>	15.62	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	125.16	11.11
			<i>For Installation With Adhesive, Deduct</i>	-10.70	
			<i>For Polished Finish, Add</i>	24.22	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	165.37	12.70
			<i>For Installation With Adhesive, Deduct</i>	-13.35	
			<i>For Polished Finish, Add</i>	34.37	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	209.48	14.28
			<i>For Installation With Adhesive, Deduct</i>	-16.19	
			<i>For Polished Finish, Add</i>	45.70	
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	266.54	16.50
			<i>For Installation With Adhesive, Deduct</i>	-19.93	
			<i>For Polished Finish, Add</i>	60.15	
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	333.97	19.05
			<i>For Installation With Adhesive, Deduct</i>	-24.32	
			<i>For Polished Finish, Add</i>	77.33	
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	411.71	22.86
			<i>For Installation With Adhesive, Deduct</i>	-29.73	
			<i>For Polished Finish, Add</i>	96.08	
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	493.47	25.39
			<i>For Installation With Adhesive, Deduct</i>	-34.83	
			<i>For Polished Finish, Add</i>	117.56	
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	584.29	28.57
			<i>For Installation With Adhesive, Deduct</i>	-40.64	
			<i>For Polished Finish, Add</i>	141.00	
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	681.79	30.16
			<i>For Installation With Adhesive, Deduct</i>	-46.15	
			<i>For Polished Finish, Add</i>	168.35	
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	787.07	31.75
			<i>For Installation With Adhesive, Deduct</i>	-52.05	
			<i>For Polished Finish, Add</i>	198.02	
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,129.47	38.10
			<i>For Installation With Adhesive, Deduct</i>	-71.71	
			<i>For Polished Finish, Add</i>	293.12	
10 14 19 00-0236			3/8" Deep, Satin Finish, Copper Characters <small>(10 14 19 00-0221)</small>		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	77.32	7.94
			<i>For Installation With Adhesive, Deduct</i>	-7.04	
			<i>For Polished Finish, Add</i>	13.67	
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	104.53	9.20
			<i>For Installation With Adhesive, Deduct</i>	-8.91	
			<i>For Polished Finish, Add</i>	20.31	
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	153.41	11.11
			<i>For Installation With Adhesive, Deduct</i>	-12.11	
			<i>For Polished Finish, Add</i>	32.69	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	211.20	12.70
			<i>For Installation With Adhesive, Deduct</i>	-15.64	
			<i>For Polished Finish, Add</i>	48.12	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	285.64	14.28
			<i>For Installation With Adhesive, Deduct</i>	-20.00	
			<i>For Polished Finish, Add</i>	68.55	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	356.76	16.50
			<i>For Installation With Adhesive, Deduct</i>	-24.44	
			<i>For Polished Finish, Add</i>	87.22	
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	449.98	19.05
			<i>For Installation With Adhesive, Deduct</i>	-30.12	
			<i>For Polished Finish, Add</i>	112.14	
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	555.83	22.86
			<i>For Installation With Adhesive, Deduct</i>	-36.93	
			<i>For Polished Finish, Add</i>	139.32	
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	669.82	25.39
			<i>For Installation With Adhesive, Deduct</i>	-43.65	
			<i>For Polished Finish, Add</i>	170.47	
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	795.79	28.57
			<i>For Installation With Adhesive, Deduct</i>	-51.22	
			<i>For Polished Finish, Add</i>	204.45	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	934.31	30.16
		<i>For Installation With Adhesive, Deduct</i>	-58.78	
		<i>For Polished Finish, Add</i>	244.10	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,051.11	31.75
		<i>For Installation With Adhesive, Deduct</i>	-65.25	
		<i>For Polished Finish, Add</i>	277.24	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,471.44	38.10
		<i>For Installation With Adhesive, Deduct</i>	-88.81	
		<i>For Polished Finish, Add</i>	395.72	
10 14 19 00-0250		Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251		1/4" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	65.31	7.94
		<i>For Installation With Adhesive, Deduct</i>	-6.44	
		<i>For Polished Finish, Add</i>	10.07	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	85.49	9.20
		<i>For Installation With Adhesive, Deduct</i>	-7.96	
		<i>For Polished Finish, Add</i>	14.60	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	109.87	11.11
		<i>For Installation With Adhesive, Deduct</i>	-9.94	
		<i>For Polished Finish, Add</i>	19.63	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	141.40	12.70
		<i>For Installation With Adhesive, Deduct</i>	-12.15	
		<i>For Polished Finish, Add</i>	27.18	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	172.92	14.28
		<i>For Installation With Adhesive, Deduct</i>	-14.36	
		<i>For Polished Finish, Add</i>	34.73	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	212.01	16.50
		<i>For Installation With Adhesive, Deduct</i>	-17.20	
		<i>For Polished Finish, Add</i>	43.79	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	254.04	19.05
		<i>For Installation With Adhesive, Deduct</i>	-20.32	
		<i>For Polished Finish, Add</i>	53.36	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	304.51	22.86
		<i>For Installation With Adhesive, Deduct</i>	-24.37	
		<i>For Polished Finish, Add</i>	63.92	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	354.94	25.39
		<i>For Installation With Adhesive, Deduct</i>	-27.91	
		<i>For Polished Finish, Add</i>	76.01	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	414.62	28.57
		<i>For Installation With Adhesive, Deduct</i>	-32.16	
		<i>For Polished Finish, Add</i>	90.10	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	481.37	30.16
		<i>For Installation With Adhesive, Deduct</i>	-36.13	
		<i>For Polished Finish, Add</i>	108.22	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	549.80	31.75
		<i>For Installation With Adhesive, Deduct</i>	-40.19	
		<i>For Polished Finish, Add</i>	126.84	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	753.04	38.10
		<i>For Installation With Adhesive, Deduct</i>	-52.89	
		<i>For Polished Finish, Add</i>	180.20	
10 14 19 00-0265		3/8" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	77.05	7.94
		<i>For Installation With Adhesive, Deduct</i>	-7.03	
		<i>For Polished Finish, Add</i>	13.59	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	102.52	9.20
		<i>For Installation With Adhesive, Deduct</i>	-8.81	
		<i>For Polished Finish, Add</i>	19.71	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	131.47	11.11
		<i>For Installation With Adhesive, Deduct</i>	-11.02	
		<i>For Polished Finish, Add</i>	26.11	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	167.68	12.70
		<i>For Installation With Adhesive, Deduct</i>	-13.46	
		<i>For Polished Finish, Add</i>	35.06	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	206.49	14.28
		<i>For Installation With Adhesive, Deduct</i>	-16.04	
		<i>For Polished Finish, Add</i>	44.80	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	254.34	16.50
		<i>For Installation With Adhesive, Deduct</i>	-19.32	
		<i>For Polished Finish, Add</i>	56.49	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	305.61	19.05
		<i>For Installation With Adhesive, Deduct</i>	-22.90	
		<i>For Polished Finish, Add</i>	68.83	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	366.30	22.86
		<i>For Installation With Adhesive, Deduct</i>	-27.46	
		<i>For Polished Finish, Add</i>	82.46	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	425.88	25.39
		<i>For Installation With Adhesive, Deduct</i>	-31.45	
		<i>For Polished Finish, Add</i>	97.29	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0275	EA		20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	498.71	28.57
			<i>For Installation With Adhesive, Deduct</i>	-36.36	
			<i>For Polished Finish, Add</i>	115.33	
10 14 19 00-0276	EA		22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	560.73	30.16
			<i>For Installation With Adhesive, Deduct</i>	-40.10	
			<i>For Polished Finish, Add</i>	132.03	
10 14 19 00-0277	EA		24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	642.81	31.75
			<i>For Installation With Adhesive, Deduct</i>	-44.84	
			<i>For Polished Finish, Add</i>	154.75	
10 14 19 00-0278	EA		30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	885.19	38.10
			<i>For Installation With Adhesive, Deduct</i>	-59.50	
			<i>For Polished Finish, Add</i>	219.84	
10 14 19 00-0279			1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0280	EA		2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	92.15	7.94
			<i>For Installation With Adhesive, Deduct</i>	-7.78	
			<i>For Polished Finish, Add</i>	18.12	
10 14 19 00-0281	EA		4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	124.41	9.20
			<i>For Installation With Adhesive, Deduct</i>	-9.90	
			<i>For Polished Finish, Add</i>	26.27	
10 14 19 00-0282	EA		6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	160.26	11.11
			<i>For Installation With Adhesive, Deduct</i>	-12.46	
			<i>For Polished Finish, Add</i>	34.75	
10 14 19 00-0283	EA		8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	210.26	12.70
			<i>For Installation With Adhesive, Deduct</i>	-15.59	
			<i>For Polished Finish, Add</i>	47.84	
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	260.90	14.28
			<i>For Installation With Adhesive, Deduct</i>	-18.76	
			<i>For Polished Finish, Add</i>	61.13	
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	322.94	16.50
			<i>For Installation With Adhesive, Deduct</i>	-22.75	
			<i>For Polished Finish, Add</i>	77.07	
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	389.20	19.05
			<i>For Installation With Adhesive, Deduct</i>	-27.08	
			<i>For Polished Finish, Add</i>	93.90	
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	466.45	22.86
			<i>For Installation With Adhesive, Deduct</i>	-32.47	
			<i>For Polished Finish, Add</i>	112.51	
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	555.08	25.39
			<i>For Installation With Adhesive, Deduct</i>	-37.91	
			<i>For Polished Finish, Add</i>	136.05	
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	651.87	28.57
			<i>For Installation With Adhesive, Deduct</i>	-44.02	
			<i>For Polished Finish, Add</i>	161.27	
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	730.27	30.16
			<i>For Installation With Adhesive, Deduct</i>	-48.58	
			<i>For Polished Finish, Add</i>	182.89	
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	841.53	31.75
			<i>For Installation With Adhesive, Deduct</i>	-54.78	
			<i>For Polished Finish, Add</i>	214.36	
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	1,167.49	38.10
			<i>For Installation With Adhesive, Deduct</i>	-73.61	
			<i>For Polished Finish, Add</i>	304.53	

10 14 23 Panel Signage (10 14)

10 14 23 11 Panel Signage (10 14 23)

10 14 23 11-0001			Indoor/Outdoor Signs (10 14 23 11) Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002			Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0003			Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002) Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA		Up To 25 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	25.94	10.55
			<i>For >25 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-1.46	
			<i>For Clear Glass Mount, Add</i>	3.88	
			<i>For Glow-In-Dark, Add</i>	9.70	
			<i>For Reflective Finish, Add</i>	10.91	
10 14 23 11-0005	EA		>25 To 50 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	29.41	10.55
			<i>For >25 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-2.08	
			<i>For >100, Deduct</i>	-2.50	
			<i>For Clear Glass Mount, Add</i>	6.66	
			<i>For Glow-In-Dark, Add</i>	16.64	
			<i>For Reflective Finish, Add</i>	18.72	

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	34.95	10.55
		<i>For >25 To 50, Deduct</i>	-1.39	
		<i>For >50 To 100, Deduct</i>	-3.47	
		<i>For >100, Deduct</i>	-4.16	
		<i>For Clear Glass Mount, Add</i>	11.09	
		<i>For Glow-In-Dark, Add</i>	27.72	
		<i>For Reflective Finish, Add</i>	31.19	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	41.88	10.55
		<i>For >25 To 50, Deduct</i>	-2.08	
		<i>For >50 To 100, Deduct</i>	-5.20	
		<i>For >100, Deduct</i>	-6.24	
		<i>For Clear Glass Mount, Add</i>	16.63	
		<i>For Glow-In-Dark, Add</i>	41.58	
		<i>For Reflective Finish, Add</i>	46.78	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	54.35	10.55
		<i>For >25 To 50, Deduct</i>	-3.33	
		<i>For >50 To 100, Deduct</i>	-8.32	
		<i>For >100, Deduct</i>	-9.98	
		<i>For Clear Glass Mount, Add</i>	26.61	
		<i>For Glow-In-Dark, Add</i>	66.52	
		<i>For Reflective Finish, Add</i>	74.84	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	76.53	10.55
		<i>For >25 To 50, Deduct</i>	-5.54	
		<i>For >50 To 100, Deduct</i>	-13.86	
		<i>For >100, Deduct</i>	-16.63	
		<i>For Clear Glass Mount, Add</i>	44.35	
		<i>For Glow-In-Dark, Add</i>	110.88	
		<i>For Reflective Finish, Add</i>	124.74	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	104.25	10.55
		<i>For >25 To 50, Deduct</i>	-8.32	
		<i>For >50 To 100, Deduct</i>	-20.79	
		<i>For >100, Deduct</i>	-24.95	
		<i>For Clear Glass Mount, Add</i>	66.53	
		<i>For Glow-In-Dark, Add</i>	166.32	
		<i>For Reflective Finish, Add</i>	187.11	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.11	0.01
		<i>For Clear Glass Mount, Add</i>	0.07	
		<i>For Glow-In-Dark, Add</i>	0.18	
		<i>For Reflective Finish, Add</i>	0.20	
10 14 23 11-0012		Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs		
		<small>(10 14 23 11-0002)</small>		
		<small>Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.</small>		
10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	27.33	10.55
		<i>For >25 To 50, Deduct</i>	-0.62	
		<i>For >50 To 100, Deduct</i>	-1.56	
		<i>For >100, Deduct</i>	-1.87	
		<i>For Glow-In-Dark, Add</i>	12.48	
		<i>For Reflective Finish, Add</i>	13.42	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	30.79	10.55
		<i>For >25 To 50, Deduct</i>	-0.97	
		<i>For >50 To 100, Deduct</i>	-2.43	
		<i>For >100, Deduct</i>	-2.91	
		<i>For Glow-In-Dark, Add</i>	19.40	
		<i>For Reflective Finish, Add</i>	20.86	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	37.72	10.55
		<i>For >25 To 50, Deduct</i>	-1.66	
		<i>For >50 To 100, Deduct</i>	-4.16	
		<i>For >100, Deduct</i>	-4.99	
		<i>For Glow-In-Dark, Add</i>	33.26	
		<i>For Reflective Finish, Add</i>	35.75	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	44.65	10.55
		<i>For >25 To 50, Deduct</i>	-2.36	
		<i>For >50 To 100, Deduct</i>	-5.89	
		<i>For >100, Deduct</i>	-7.07	
		<i>For Glow-In-Dark, Add</i>	47.12	
		<i>For Reflective Finish, Add</i>	50.65	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	55.05	10.55
		<i>For >25 To 50, Deduct</i>	-3.40	
		<i>For >50 To 100, Deduct</i>	-8.49	
		<i>For >100, Deduct</i>	-10.19	
		<i>For Glow-In-Dark, Add</i>	67.92	
		<i>For Reflective Finish, Add</i>	73.01	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	65.44	10.55
		<i>For >25 To 50, Deduct</i>	-4.44	
		<i>For >50 To 100, Deduct</i>	-11.09	
		<i>For >100, Deduct</i>	-13.31	
		<i>For Glow-In-Dark, Add</i>	88.70	
		<i>For Reflective Finish, Add</i>	95.35	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	76.53	10.55
		<i>For >25 To 50, Deduct</i>	-5.54	
		<i>For >50 To 100, Deduct</i>	-13.86	
		<i>For >100, Deduct</i>	-16.63	
		<i>For Glow-In-Dark, Add</i>	110.88	
		<i>For Reflective Finish, Add</i>	119.20	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0020 SI >1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	0.08 0.12 0.13	0.01
10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille (10 14 23 11-0002) Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022 EA Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	37.72 -1.66 -4.16 -4.99 15.00 23.00 35.00	10.55
10 14 23 11-0023 EA >25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	41.88 -2.08 -5.20 -6.24 17.00 28.00 35.00	10.55
10 14 23 11-0024 EA >50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	48.81 -2.77 -6.93 -8.32 19.00 31.00	10.55
10 14 23 11-0025 EA >75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	55.32 -3.42 -8.56 -10.27 21.00 35.00	10.55
10 14 23 11-0026 SI >100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.60 0.20 0.31	0.11
10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002) Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028 EA Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	47.42 -2.63 -6.58 -7.90 15.00	10.55
10 14 23 11-0029 EA >25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	55.74 -3.47 -8.66 -10.40 17.00	10.55
10 14 23 11-0030 EA >50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	66.83 -4.57 -11.44 -13.72 19.00	10.55
10 14 23 11-0031 EA >75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	89.00 -6.79 -16.98 -20.37 21.00	10.55
10 14 23 11-0032 SI >100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For Molded Plastic Frame, Add</i>	0.89 0.20	0.11
10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002) Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034 EA Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	26.63 -0.55 -1.39 -1.66 3.32 4.16	10.55
10 14 23 11-0035 EA >25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	30.79 -0.97 -2.43 -2.91 5.82 7.28	10.55
10 14 23 11-0036 EA >50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	39.11 -1.80 -4.51 -5.41 10.81 13.52	10.55

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	48.81	10.55
		<i>For >25 To 50, Deduct</i>	-2.77	
		<i>For >50 To 100, Deduct</i>	-6.93	
		<i>For >100, Deduct</i>	-8.32	
		<i>For Glow-In-Dark, Add</i>	16.63	
		<i>For Reflective Finish, Add</i>	20.79	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	77.92	10.55
		<i>For >25 To 50, Deduct</i>	-5.68	
		<i>For >50 To 100, Deduct</i>	-14.21	
		<i>For >100, Deduct</i>	-17.05	
		<i>For Glow-In-Dark, Add</i>	34.10	
		<i>For Reflective Finish, Add</i>	42.62	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	90.39	10.55
		<i>For >25 To 50, Deduct</i>	-6.93	
		<i>For >50 To 100, Deduct</i>	-17.33	
		<i>For >100, Deduct</i>	-20.79	
		<i>For Glow-In-Dark, Add</i>	41.58	
		<i>For Reflective Finish, Add</i>	51.98	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	107.02	10.55
		<i>For >25 To 50, Deduct</i>	-8.59	
		<i>For >50 To 100, Deduct</i>	-21.48	
		<i>For >100, Deduct</i>	-25.78	
		<i>For Glow-In-Dark, Add</i>	51.56	
		<i>For Reflective Finish, Add</i>	64.45	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.12	0.01
		<i>For Glow-In-Dark, Add</i>	0.06	
		<i>For Reflective Finish, Add</i>	0.08	
10 14 23 11-0042		California Title 24, Surface Mount, Signs <small>(10 14 23 11-0002)</small>		
10 14 23 11-0043		California Title 24, Surface Mount, Geometric Restroom Signs <small>(10 14 23 11-0042)</small>		
		Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	72.03	10.55
		<i>For >25 To 50, Deduct</i>	-5.09	
		<i>For >50 To 100, Deduct</i>	-7.64	
		<i>For >100, Deduct</i>	-8.66	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	72.03	10.55
		<i>For >25 To 50, Deduct</i>	-5.09	
		<i>For >50 To 100, Deduct</i>	-7.64	
		<i>For >100, Deduct</i>	-8.66	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	92.40	10.55
		Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
		<i>For >25 To 50, Deduct</i>	-7.13	
		<i>For >50 To 100, Deduct</i>	-10.70	
		<i>For >100, Deduct</i>	-12.12	
10 14 23 11-0047		California Title 24, Surface Mount, Stairwell Signs <small>(10 14 23 11-0042)</small>		
		Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	136.06	10.55
		<i>For >25 To 50, Deduct</i>	-11.50	
		<i>For >50 To 100, Deduct</i>	-17.25	
		<i>For >100, Deduct</i>	-19.54	
10 14 23 11-0049		Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0050		Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0049)</small>		
10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	37.15	14.76
		<i>For >25 To 50, Deduct</i>	-0.76	
		<i>For >50 To 100, Deduct</i>	-1.91	
		<i>For >100, Deduct</i>	-2.29	
		<i>For Glow-In-Dark, Add</i>	4.57	
		<i>For Reflective Finish, Add</i>	5.72	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	43.39	14.76
		<i>For >25 To 50, Deduct</i>	-1.39	
		<i>For >50 To 100, Deduct</i>	-3.47	
		<i>For >100, Deduct</i>	-4.16	
		<i>For Glow-In-Dark, Add</i>	8.32	
		<i>For Reflective Finish, Add</i>	10.40	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	51.71	14.76
		<i>For >25 To 50, Deduct</i>	-2.22	
		<i>For >50 To 100, Deduct</i>	-5.55	
		<i>For >100, Deduct</i>	-6.65	
		<i>For Glow-In-Dark, Add</i>	13.31	
		<i>For Reflective Finish, Add</i>	16.64	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0054 EA >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	64.18	14.76
For >25 To 50, Deduct	-3.47	
For >50 To 100, Deduct	-8.66	
For >100, Deduct	-10.40	
For Glow-In-Dark, Add	20.79	
For Reflective Finish, Add	25.99	
10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0055)		
10 14 23 11-0057 EA Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	37.85	14.76
For >25 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-2.08	
For >100, Deduct	-2.50	
For Glow-In-Dark, Add	4.99	
For Reflective Finish, Add	6.24	
10 14 23 11-0058 EA >25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	44.78	14.76
For >25 To 50, Deduct	-1.53	
For >50 To 100, Deduct	-3.81	
For >100, Deduct	-4.58	
For Glow-In-Dark, Add	9.15	
For Reflective Finish, Add	11.44	
10 14 23 11-0059 EA >50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	60.02	14.76
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-7.62	
For >100, Deduct	-9.15	
For Glow-In-Dark, Add	18.29	
For Reflective Finish, Add	22.87	
10 14 23 11-0060 EA >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	65.57	14.76
For >25 To 50, Deduct	-3.60	
For >50 To 100, Deduct	-9.01	
For >100, Deduct	-10.81	
For Glow-In-Dark, Add	21.62	
For Reflective Finish, Add	27.03	
10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0061)		
10 14 23 11-0063 EA Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	39.93	14.76
For >25 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-2.60	
For >100, Deduct	-3.12	
For Glow-In-Dark, Add	6.24	
For Reflective Finish, Add	7.80	
10 14 23 11-0064 EA >25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	50.32	14.76
For >25 To 50, Deduct	-2.08	
For >50 To 100, Deduct	-5.20	
For >100, Deduct	-6.24	
For Glow-In-Dark, Add	12.47	
For Reflective Finish, Add	15.59	
10 14 23 11-0065 EA >50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	54.48	14.76
For >25 To 50, Deduct	-2.50	
For >50 To 100, Deduct	-6.24	
For >100, Deduct	-7.49	
For Glow-In-Dark, Add	14.97	
For Reflective Finish, Add	18.71	
10 14 23 11-0066 EA >100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	60.02	14.76
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-7.62	
For >100, Deduct	-9.15	
For Glow-In-Dark, Add	18.29	
For Reflective Finish, Add	22.87	
10 14 23 11-0067 Adhesive Backed Vinyl Characters (10 14 23 11)		
Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068 EA 1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.93	0.84
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.51	
10 14 23 11-0069 EA 3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.04	0.97
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.54	
10 14 23 11-0070 EA 1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.16	1.09
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.57	
10 14 23 11-0071 EA 1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.18	1.26
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.72	
10 14 23 11-0072 EA 2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.34	1.48
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.76	
10 14 23 11-0073 EA 3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.17	1.69
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.10	
10 14 23 11-0074 EA 4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.64	1.90
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0075 EA 6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	8.96 1.69	2.11
10 14 23 11-0076 EA 8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	10.88 2.17	2.32
10 14 23 11-0077 EA 10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	13.97 2.83	2.53
10 14 23 11-0078 Standoffs For Wall Signage (10 14 23 11) Note: Excludes signage		
10 14 23 11-0079 EA 1/2" Diameter x 1/2" Long, Stainless Steel Standoff	16.65	6.35
10 14 23 11-0080 EA 1/2" Diameter x 3/4" Long, Stainless Steel Standoff	17.16	6.35
10 14 23 11-0081 EA 1/2" Diameter x 1" Long, Stainless Steel Standoff	17.29	6.35
10 14 23 11-0082 EA 5/8" Diameter x 1/2" Long, Stainless Steel Standoff	18.19	6.35
10 14 23 11-0083 EA 5/8" Diameter x 3/4" Long, Stainless Steel Standoff	18.70	6.35
10 14 23 11-0084 EA 5/8" Diameter x 1" Long, Stainless Steel Standoff	19.72	6.35
10 14 23 11-0085 EA 3/4" Diameter x 3/4" Long, Stainless Steel Standoff	19.58	7.62
10 14 23 11-0086 EA 3/4" Diameter x 1" Long, Stainless Steel Standoff	20.99	7.62
10 14 23 11-0087 EA 3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	22.13	7.62
10 14 23 11-0088 EA 1" Diameter x 3/4" Long, Stainless Steel Standoff	23.40	7.62
10 14 23 11-0089 EA 1" Diameter x 1" Long, Stainless Steel Standoff	25.06	7.62
10 14 23 11-0090 EA 1" Diameter x 1-1/2" Long, Stainless Steel Standoff	27.10	7.62
10 14 23 11-0091 EA 5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	18.57	6.35
10 14 23 11-0092 EA 5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	18.95	6.35
10 14 23 11-0093 EA 3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	20.73	7.62
10 14 23 11-0094 EA 3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.11	7.62
10 14 23 11-0095 EA 1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	22.89	7.62
10 14 23 11-0096 EA 1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.15	7.62
10 14 23 11-0097 Removal And Reinstallation Of Building Signage (10 14 23 11) Note: Includes storage and cleaning.		
10 14 23 11-0098 EA Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	222.32	
10 14 23 11-0099 EA Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	255.37	
10 14 23 11-0100 EA Removal And Reinstallation Of Building Signage, >12 To 20 SF	287.13	
10 14 23 11-0101 EA Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	63.27	
10 14 23 11-0102 Building Sign (10 14 23 11) Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 11-0103 EA 6" x 18" Metal Building Sign With Numbers	173.37	25.31
10 14 23 11-0104 SF Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	48.54	8.89
10 14 23 11-0105 SF Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	36.88	8.26
10 14 23 11-0106 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	35.48	6.98
10 14 23 11-0107 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	41.16	7.63
10 14 23 11-0108 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	45.19	8.26
10 14 23 11-0109 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	53.64	8.89
10 14 53 Traffic Signage (10 14)		
10 14 53 11 Traffic Signage (10 14 53)		
10 14 53 11-0001 Traffic Signs (10 14 53 11)		
10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001) Note: Excludes posts.		
10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)		
10 14 53 11-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign	68.87	18.98
<i>For Hi-Intensity Grade, Add</i>	9.27	
<i>For Diamond Grade, Add</i>	17.61	
10 14 53 11-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign	80.49	20.09
<i>For Hi-Intensity Grade, Add</i>	12.12	
<i>For Diamond Grade, Add</i>	23.03	
10 14 53 11-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign	87.35	21.09
<i>For Hi-Intensity Grade, Add</i>	18.52	
<i>For Diamond Grade, Add</i>	29.35	
10 14 53 11-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign	102.14	22.19
<i>For Hi-Intensity Grade, Add</i>	6.94	
<i>For Diamond Grade, Add</i>	37.60	
10 14 53 11-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign	139.10	23.21
<i>For Hi-Intensity Grade, Add</i>	20.39	
<i>For Diamond Grade, Add</i>	63.96	
10 14 53 11-0009 Steel Engineer Grade Stop Signs (10 14 53 11-0002)		
10 14 53 11-0010 EA 18" x 18" Reflective Steel Stop Sign, Engineering Grade	103.50	18.98
10 14 53 11-0011 EA 18" x 24" Reflective Steel Stop Sign, Engineering Grade	129.35	20.09
10 14 53 11-0012 EA 24" x 24" Reflective Steel Stop Sign, Engineering Grade	137.25	21.09
10 14 53 11-0013 EA 30" x 30" Reflective Steel Stop Sign, Engineering Grade	195.52	22.19
10 14 53 11-0014 EA 36" x 36" Reflective Steel Stop Sign, Engineering Grade	248.06	23.21



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs <small>(10 14 53 11-0002)</small>		
10 14 53 11-0016 EA 18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade.....	105.93	18.98
10 14 53 11-0017 EA 18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	135.57	20.09
10 14 53 11-0018 EA 24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	149.49	21.09
10 14 53 11-0019 EA 30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade.....	196.09	22.19
10 14 53 11-0020 Other Reflectorized Traffic Signs <small>(10 14 53 11-0002)</small>		
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs <small>(10 14 53 11-0020)</small>		
10 14 53 11-0022 EA 6" x 12" Aluminum Engineer Grade Traffic Sign.....	41.40	16.87
<i>For Hi-Intensity Grade, Add</i>		
	2.30	
10 14 53 11-0023 EA 6" x 18" Aluminum Engineer Grade Traffic Sign.....	45.23	16.87
<i>For Hi-Intensity Grade, Add</i>		
	3.44	
10 14 53 11-0024 EA 9" x 12" Aluminum Engineer Grade Traffic Sign.....	45.23	16.87
<i>For Hi-Intensity Grade, Add</i>		
	3.44	
10 14 53 11-0025 EA 9" x 15" Aluminum Engineer Grade Traffic Sign.....	48.10	16.87
<i>For Hi-Intensity Grade, Add</i>		
	4.31	
10 14 53 11-0026 EA 9" x 18" Aluminum Engineer Grade Traffic Sign.....	50.97	16.87
<i>For Hi-Intensity Grade, Add</i>		
	5.17	
10 14 53 11-0027 EA 9" x 24" Aluminum Engineer Grade Traffic Sign.....	58.81	17.93
<i>For Hi-Intensity Grade, Add</i>		
	6.89	
10 14 53 11-0028 EA 9" x 48" Aluminum Engineer Grade Traffic Sign.....	81.78	17.93
<i>For Hi-Intensity Grade, Add</i>		
	13.78	
10 14 53 11-0029 EA 12" x 12" Aluminum Engineer Grade Traffic Sign.....	49.06	16.87
<i>For Hi-Intensity Grade, Add</i>		
	4.59	
10 14 53 11-0030 EA 12" x 18" Aluminum Engineer Grade Traffic Sign.....	58.81	17.93
<i>For Hi-Intensity Grade, Add</i>		
	6.89	
10 14 53 11-0031 EA 12" x 24" Aluminum Engineer Grade Traffic Sign.....	66.47	17.93
<i>For Hi-Intensity Grade, Add</i>		
	9.19	
10 14 53 11-0032 EA 12" x 30" Aluminum Engineer Grade Traffic Sign.....	74.12	17.93
<i>For Hi-Intensity Grade, Add</i>		
	11.48	
10 14 53 11-0033 EA 12" x 36" Aluminum Engineer Grade Traffic Sign.....	81.78	17.93
<i>For Hi-Intensity Grade, Add</i>		
	13.78	
10 14 53 11-0034 EA 18" x 18" Aluminum Engineer Grade Traffic Sign.....	70.29	17.93
<i>For Hi-Intensity Grade, Add</i>		
	10.33	
10 14 53 11-0035 EA 18" x 24" Aluminum Engineer Grade Traffic Sign.....	81.78	17.93
<i>For Hi-Intensity Grade, Add</i>		
	13.78	
10 14 53 11-0036 EA 18" x 30" Aluminum Engineer Grade Traffic Sign.....	95.38	18.98
<i>For Hi-Intensity Grade, Add</i>		
	17.22	
10 14 53 11-0037 EA 18" x 36" Aluminum Engineer Grade Traffic Sign.....	106.86	18.98
<i>For Hi-Intensity Grade, Add</i>		
	20.67	
10 14 53 11-0038 EA 18" x 48" Aluminum Engineer Grade Traffic Sign.....	138.25	23.21
<i>For Hi-Intensity Grade, Add</i>		
	27.56	
10 14 53 11-0039 EA 18" x 54" Aluminum Engineer Grade Traffic Sign.....	149.73	23.21
<i>For Hi-Intensity Grade, Add</i>		
	31.00	
10 14 53 11-0040 EA 24" x 24" Aluminum Engineer Grade Traffic Sign.....	99.20	18.98
<i>For Hi-Intensity Grade, Add</i>		
	18.37	
10 14 53 11-0041 EA 24" x 30" Aluminum Engineer Grade Traffic Sign.....	114.51	18.98
<i>For Hi-Intensity Grade, Add</i>		
	22.96	
10 14 53 11-0042 EA 24" x 36" Aluminum Engineer Grade Traffic Sign.....	129.82	18.98
<i>For Hi-Intensity Grade, Add</i>		
	27.56	
10 14 53 11-0043 EA 24" x 42" Aluminum Engineer Grade Traffic Sign.....	153.56	23.21
<i>For Hi-Intensity Grade, Add</i>		
	32.15	
10 14 53 11-0044 EA 24" x 48" Aluminum Engineer Grade Traffic Sign.....	168.87	23.21
<i>For Hi-Intensity Grade, Add</i>		
	36.74	
10 14 53 11-0045 EA 24" x 54" Aluminum Engineer Grade Traffic Sign.....	184.18	23.21
<i>For Hi-Intensity Grade, Add</i>		
	41.33	
10 14 53 11-0046 EA 24" x 60" Aluminum Engineer Grade Traffic Sign.....	199.48	23.21
<i>For Hi-Intensity Grade, Add</i>		
	45.92	
10 14 53 11-0047 EA 30" x 30" Aluminum Engineer Grade Traffic Sign.....	133.65	18.98
<i>For Hi-Intensity Grade, Add</i>		
	28.70	
10 14 53 11-0048 EA 30" x 36" Aluminum Engineer Grade Traffic Sign.....	161.21	23.21
<i>For Hi-Intensity Grade, Add</i>		
	34.44	
10 14 53 11-0049 EA 30" x 42" Aluminum Engineer Grade Traffic Sign.....	180.35	23.21
<i>For Hi-Intensity Grade, Add</i>		
	40.19	
10 14 53 11-0050 EA 30" x 48" Aluminum Engineer Grade Traffic Sign.....	207.92	27.42
<i>For Hi-Intensity Grade, Add</i>		
	45.92	
10 14 53 11-0051 EA 30" x 60" Aluminum Engineer Grade Traffic Sign.....	254.64	31.64
<i>For Hi-Intensity Grade, Add</i>		
	57.41	
10 14 53 11-0052 EA 36" x 36" Aluminum Engineer Grade Traffic Sign.....	184.18	23.21
<i>For Hi-Intensity Grade, Add</i>		
	41.33	
10 14 53 11-0053 EA 36" x 42" Aluminum Engineer Grade Traffic Sign.....	215.58	27.42
<i>For Hi-Intensity Grade, Add</i>		
	48.22	
10 14 53 11-0054 EA 36" x 48" Aluminum Engineer Grade Traffic Sign.....	246.98	31.64
<i>For Hi-Intensity Grade, Add</i>		
	55.11	
10 14 53 11-0055 EA 36" x 54" Aluminum Engineer Grade Traffic Sign.....	269.94	31.64
<i>For Hi-Intensity Grade, Add</i>		
	62.00	
10 14 53 11-0056 EA 36" x 60" Aluminum Engineer Grade Traffic Sign.....	301.35	35.85
<i>For Hi-Intensity Grade, Add</i>		
	68.89	
10 14 53 11-0057 EA 36" x 73" Aluminum Engineer Grade Traffic Sign.....	359.54	40.08
<i>For Hi-Intensity Grade, Add</i>		
	83.81	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	378.68 89.56	40.08
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	506.14 124.00	46.40
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	250.81 56.26	31.64
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	316.66 73.48	35.85
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	355.71 82.67	40.08
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	386.33 91.85	40.08
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	429.60 101.04	46.40
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	460.21 110.22	46.40
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	529.89 128.59	50.62
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	591.12 146.96	50.62
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	621.74 156.15	50.62
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	656.57 165.33	52.74
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	560.50 137.78	50.62
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	1,237.20 330.66	67.50
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	901.50 238.81	52.74
10 14 53 11-0073		Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0020)		
10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign	74.12	15.86
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign	84.44	16.87
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign	90.42	17.97
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign	109.53	18.98
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign	135.57	20.09
10 14 53 11-0079	EA	24" x 24" Reflective Polyethylene Traffic Sign	152.63	20.09
10 14 53 11-0080		Non-Reflectorized Traffic Signs (10 14 53 11-0001)		
		Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0081		Steel Non-Reflectorized Traffic Signs (10 14 53 11-0080)		
10 14 53 11-0082	EA	6" x 12" Steel Non-Reflectorized Traffic Sign.....	40.37	16.87
10 14 53 11-0083	EA	6" x 18" Steel Non-Reflectorized Traffic Sign.....	43.68	16.87
10 14 53 11-0084	EA	9" x 12" Steel Non-Reflectorized Traffic Sign.....	43.68	16.87
10 14 53 11-0085	EA	9" x 15" Steel Non-Reflectorized Traffic Sign.....	46.16	16.87
10 14 53 11-0086	EA	9" x 18" Steel Non-Reflectorized Traffic Sign.....	48.64	16.87
10 14 53 11-0087	EA	9" x 24" Steel Non-Reflectorized Traffic Sign.....	55.70	17.93
10 14 53 11-0088	EA	9" x 48" Steel Non-Reflectorized Traffic Sign.....	75.55	17.93
10 14 53 11-0089	EA	12" x 12" Steel Non-Reflectorized Traffic Sign.....	46.98	16.87
10 14 53 11-0090	EA	12" x 18" Steel Non-Reflectorized Traffic Sign.....	55.70	17.93
10 14 53 11-0091	EA	12" x 24" Steel Non-Reflectorized Traffic Sign.....	62.32	17.93
10 14 53 11-0092	EA	12" x 30" Steel Non-Reflectorized Traffic Sign.....	68.94	17.93
10 14 53 11-0093	EA	12" x 36" Steel Non-Reflectorized Traffic Sign.....	75.55	17.93
10 14 53 11-0094	EA	18" x 18" Steel Non-Reflectorized Traffic Sign.....	65.63	17.93
10 14 53 11-0095	EA	18" x 24" Steel Non-Reflectorized Traffic Sign.....	75.55	17.93
10 14 53 11-0096	EA	18" x 30" Steel Non-Reflectorized Traffic Sign.....	87.60	18.98
10 14 53 11-0097	EA	18" x 36" Steel Non-Reflectorized Traffic Sign.....	97.52	18.98
10 14 53 11-0098	EA	18" x 48" Steel Non-Reflectorized Traffic Sign.....	125.80	23.21
10 14 53 11-0099	EA	18" x 54" Steel Non-Reflectorized Traffic Sign.....	135.73	23.21
10 14 53 11-0100	EA	24" x 24" Steel Non-Reflectorized Traffic Sign.....	90.91	18.98
10 14 53 11-0101	EA	24" x 30" Steel Non-Reflectorized Traffic Sign.....	104.14	18.98
10 14 53 11-0102	EA	24" x 36" Steel Non-Reflectorized Traffic Sign.....	117.37	18.98
10 14 53 11-0103	EA	24" x 42" Steel Non-Reflectorized Traffic Sign.....	139.04	23.21
10 14 53 11-0104	EA	24" x 48" Steel Non-Reflectorized Traffic Sign.....	152.27	23.21
10 14 53 11-0105	EA	24" x 54" Steel Non-Reflectorized Traffic Sign.....	165.51	23.21
10 14 53 11-0106	EA	24" x 60" Steel Non-Reflectorized Traffic Sign.....	178.74	23.21
10 14 53 11-0107	EA	30" x 30" Steel Non-Reflectorized Traffic Sign.....	120.68	18.98
10 14 53 11-0108	EA	30" x 36" Steel Non-Reflectorized Traffic Sign.....	145.66	23.21
10 14 53 11-0109	EA	30" x 42" Steel Non-Reflectorized Traffic Sign.....	162.20	23.21
10 14 53 11-0110	EA	30" x 48" Steel Non-Reflectorized Traffic Sign.....	187.18	27.42
10 14 53 11-0111	EA	30" x 60" Steel Non-Reflectorized Traffic Sign.....	228.71	31.64
10 14 53 11-0112	EA	36" x 36" Steel Non-Reflectorized Traffic Sign.....	165.51	23.21
10 14 53 11-0113	EA	36" x 42" Steel Non-Reflectorized Traffic Sign.....	193.80	27.42
10 14 53 11-0114	EA	36" x 48" Steel Non-Reflectorized Traffic Sign.....	222.09	31.64
10 14 53 11-0115	EA	36" x 54" Steel Non-Reflectorized Traffic Sign.....	241.94	31.64
10 14 53 11-0116	EA	36" x 60" Steel Non-Reflectorized Traffic Sign.....	270.23	35.85
10 14 53 11-0117	EA	36" x 73" Steel Non-Reflectorized Traffic Sign.....	321.68	40.08
10 14 53 11-0118	EA	36" x 78" Steel Non-Reflectorized Traffic Sign.....	338.23	40.08



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0119 EA 36" x 108" Steel Non-ReflectORIZED Traffic Sign.....	450.13	46.40
10 14 53 11-0120 EA 42" x 42" Steel Non-ReflectORIZED Traffic Sign.....	225.40	31.64
10 14 53 11-0121 EA 48" x 48" Steel Non-ReflectORIZED Traffic Sign.....	283.47	35.85
10 14 53 11-0122 EA 48" x 54" Steel Non-ReflectORIZED Traffic Sign.....	318.37	40.08
10 14 53 11-0123 EA 48" x 60" Steel Non-ReflectORIZED Traffic Sign.....	344.84	40.08
10 14 53 11-0124 EA 48" x 66" Steel Non-ReflectORIZED Traffic Sign.....	383.96	46.40
10 14 53 11-0125 EA 48" x 72" Steel Non-ReflectORIZED Traffic Sign.....	410.43	46.40
10 14 53 11-0126 EA 48" x 84" Steel Non-ReflectORIZED Traffic Sign.....	471.81	50.62
10 14 53 11-0127 EA 48" x 96" Steel Non-ReflectORIZED Traffic Sign.....	524.74	50.62
10 14 53 11-0128 EA 48" x 102" Steel Non-ReflectORIZED Traffic Sign.....	551.21	50.62
10 14 53 11-0129 EA 48" x 108" Steel Non-ReflectORIZED Traffic Sign.....	581.89	52.74
10 14 53 11-0130 EA 60" x 72" Steel Non-ReflectORIZED Traffic Sign.....	498.27	50.62
10 14 53 11-0131 EA 72" x 144" Steel Non-ReflectORIZED Traffic Sign.....	1,087.85	67.50
10 14 53 11-0132 EA 78" x 96" Steel Non-ReflectORIZED Traffic Sign.....	793.64	52.74

10 14 53 11-0133 Aluminum Non-ReflectORIZED Traffic Signs (10 14 53 11-0080)

10 14 53 11-0134 EA 6" x 12" Aluminum Non-ReflectORIZED Traffic Sign.....	40.64	16.87
10 14 53 11-0135 EA 6" x 18" Aluminum Non-ReflectORIZED Traffic Sign.....	44.08	16.87
10 14 53 11-0136 EA 9" x 12" Aluminum Non-ReflectORIZED Traffic Sign.....	44.08	16.87
10 14 53 11-0137 EA 9" x 15" Aluminum Non-ReflectORIZED Traffic Sign.....	46.66	16.87
10 14 53 11-0138 EA 9" x 18" Aluminum Non-ReflectORIZED Traffic Sign.....	49.25	16.87
10 14 53 11-0139 EA 9" x 24" Aluminum Non-ReflectORIZED Traffic Sign.....	56.51	17.93
10 14 53 11-0140 EA 9" x 48" Aluminum Non-ReflectORIZED Traffic Sign.....	77.17	17.93
10 14 53 11-0141 EA 12" x 12" Aluminum Non-ReflectORIZED Traffic Sign.....	47.52	16.87
10 14 53 11-0142 EA 12" x 18" Aluminum Non-ReflectORIZED Traffic Sign.....	56.51	17.93
10 14 53 11-0143 EA 12" x 24" Aluminum Non-ReflectORIZED Traffic Sign.....	63.40	17.93
10 14 53 11-0144 EA 12" x 30" Aluminum Non-ReflectORIZED Traffic Sign.....	70.28	17.93
10 14 53 11-0145 EA 12" x 36" Aluminum Non-ReflectORIZED Traffic Sign.....	77.17	17.93
10 14 53 11-0146 EA 18" x 18" Aluminum Non-ReflectORIZED Traffic Sign.....	66.84	17.93
10 14 53 11-0147 EA 18" x 24" Aluminum Non-ReflectORIZED Traffic Sign.....	77.17	17.93
10 14 53 11-0148 EA 18" x 30" Aluminum Non-ReflectORIZED Traffic Sign.....	89.62	18.98
10 14 53 11-0149 EA 18" x 36" Aluminum Non-ReflectORIZED Traffic Sign.....	99.95	18.98
10 14 53 11-0150 EA 18" x 48" Aluminum Non-ReflectORIZED Traffic Sign.....	129.04	23.21
10 14 53 11-0151 EA 18" x 54" Aluminum Non-ReflectORIZED Traffic Sign.....	139.37	23.21
10 14 53 11-0152 EA 24" x 24" Aluminum Non-ReflectORIZED Traffic Sign.....	93.06	18.98
10 14 53 11-0153 EA 24" x 30" Aluminum Non-ReflectORIZED Traffic Sign.....	106.84	18.98
10 14 53 11-0154 EA 24" x 36" Aluminum Non-ReflectORIZED Traffic Sign.....	120.61	18.98
10 14 53 11-0155 EA 24" x 42" Aluminum Non-ReflectORIZED Traffic Sign.....	142.81	23.21
10 14 53 11-0156 EA 24" x 48" Aluminum Non-ReflectORIZED Traffic Sign.....	156.59	23.21
10 14 53 11-0157 EA 24" x 54" Aluminum Non-ReflectORIZED Traffic Sign.....	170.36	23.21
10 14 53 11-0158 EA 24" x 60" Aluminum Non-ReflectORIZED Traffic Sign.....	184.13	23.21
10 14 53 11-0159 EA 30" x 30" Aluminum Non-ReflectORIZED Traffic Sign.....	124.05	18.98
10 14 53 11-0160 EA 30" x 36" Aluminum Non-ReflectORIZED Traffic Sign.....	149.70	23.21
10 14 53 11-0161 EA 30" x 42" Aluminum Non-ReflectORIZED Traffic Sign.....	166.92	23.21
10 14 53 11-0162 EA 30" x 48" Aluminum Non-ReflectORIZED Traffic Sign.....	192.57	27.42
10 14 53 11-0163 EA 30" x 60" Aluminum Non-ReflectORIZED Traffic Sign.....	235.45	31.64
10 14 53 11-0164 EA 36" x 36" Aluminum Non-ReflectORIZED Traffic Sign.....	170.36	23.21
10 14 53 11-0165 EA 36" x 42" Aluminum Non-ReflectORIZED Traffic Sign.....	199.46	27.42
10 14 53 11-0166 EA 36" x 48" Aluminum Non-ReflectORIZED Traffic Sign.....	228.56	31.64
10 14 53 11-0167 EA 36" x 54" Aluminum Non-ReflectORIZED Traffic Sign.....	249.22	31.64
10 14 53 11-0168 EA 36" x 60" Aluminum Non-ReflectORIZED Traffic Sign.....	278.32	35.85
10 14 53 11-0169 EA 36" x 73" Aluminum Non-ReflectORIZED Traffic Sign.....	331.53	40.08
10 14 53 11-0170 EA 36" x 78" Aluminum Non-ReflectORIZED Traffic Sign.....	348.74	40.08
10 14 53 11-0171 EA 36" x 108" Aluminum Non-ReflectORIZED Traffic Sign.....	464.69	46.40
10 14 53 11-0172 EA 42" x 42" Aluminum Non-ReflectORIZED Traffic Sign.....	232.01	31.64
10 14 53 11-0173 EA 48" x 48" Aluminum Non-ReflectORIZED Traffic Sign.....	292.10	35.85
10 14 53 11-0174 EA 48" x 54" Aluminum Non-ReflectORIZED Traffic Sign.....	328.08	40.08
10 14 53 11-0175 EA 48" x 60" Aluminum Non-ReflectORIZED Traffic Sign.....	355.63	40.08
10 14 53 11-0176 EA 48" x 66" Aluminum Non-ReflectORIZED Traffic Sign.....	395.83	46.40
10 14 53 11-0177 EA 48" x 72" Aluminum Non-ReflectORIZED Traffic Sign.....	423.37	46.40
10 14 53 11-0178 EA 48" x 84" Aluminum Non-ReflectORIZED Traffic Sign.....	486.91	50.62
10 14 53 11-0179 EA 48" x 96" Aluminum Non-ReflectORIZED Traffic Sign.....	542.00	50.62
10 14 53 11-0180 EA 48" x 102" Aluminum Non-ReflectORIZED Traffic Sign.....	569.55	50.62
10 14 53 11-0181 EA 48" x 108" Aluminum Non-ReflectORIZED Traffic Sign.....	601.31	52.74
10 14 53 11-0182 EA 60" x 72" Aluminum Non-ReflectORIZED Traffic Sign.....	514.45	50.62
10 14 53 11-0183 EA 72" x 144" Aluminum Non-ReflectORIZED Traffic Sign.....	1,126.68	67.50
10 14 53 11-0184 EA 78" x 96" Aluminum Non-ReflectORIZED Traffic Sign.....	821.68	52.74

10 14 53 11-0185 Polyethylene Non-ReflectORIZED Traffic Signs (10 14 53 11-0080)

10 14 53 11-0186 EA 6" x 12" Non-Reflective Polyethylene Traffic Sign.....	62.14	15.86
10 14 53 11-0187 EA 12" x 12" Non-Reflective Polyethylene Traffic Sign.....	68.02	16.87
10 14 53 11-0188 EA 12" x 18" Non-Reflective Polyethylene Traffic Sign.....	73.29	17.97
10 14 53 11-0189 EA 18" x 18" Non-Reflective Polyethylene Traffic Sign.....	97.29	18.98
10 14 53 11-0190 EA 18" x 24" Non-Reflective Polyethylene Traffic Sign.....	104.31	20.09
10 14 53 11-0191 EA 24" x 24" Non-Reflective Polyethylene Traffic Sign.....	121.40	21.09

10 14 53 11-0192 Signs For Overhead Sign Structures (10 14 53 11-0001)

Note: Including horizontal Z-bars.

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0193 SF From 30 To 360 SF Signs For Overhead Sign Structures <i>For Over 10' High, Add</i>	25.00 13.00	
10 14 53 11-0194 VLF Vertical Sign Hangers For Overhead Sign Structures, Per Hanger Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.	32.50	
10 14 53 11-0195 Flashing Beacon (10 14 53 11-0001)		
10 14 53 11-0196 EA Flashing Beacon Assembly.....	1,434.34	246.44
10 14 53 11-0197 Aluminum Street Signs (10 14 53 11-0001) Note: Excludes posts.		
10 14 53 11-0198 Aluminum Engineer Grade Street Signs (10 14 53 11-0197)		
10 14 53 11-0199 EA 6" High, Aluminum Engineer Grade Street Sign	80.17	8.44
10 14 53 11-0200 EA 8" High, Aluminum Engineer Grade Street Sign	91.34	8.44
10 14 53 11-0201 EA 9" High, Aluminum Engineer Grade Street Sign	99.66	8.44
10 14 53 11-0202 Street Sign Accessories (10 14 53 11-0197)		
10 14 53 11-0203 EA Single Bracket And Post Cap For Street Sign.....	23.67	4.22
10 14 53 11-0204 EA Double Bracket And Post Cap For Street Sign	23.67	4.22
10 14 53 11-0205 Sign Posts (10 14 53 11-0001) Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0206 U-Channel Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0207 Baked Enamel U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53 11-0208 EA 3' To 4' Baked Enamel U-Channel Sign Post Base	60.99	17.29
10 14 53 11-0209 EA 6' Baked Enamel U-Channel Sign Post	80.37	21.60
10 14 53 11-0210 EA 7' Baked Enamel U-Channel Sign Post	95.92	25.93
10 14 53 11-0211 EA 8' Baked Enamel U-Channel Sign Post	112.35	30.25
10 14 53 11-0212 EA 10' Baked Enamel U-Channel Sign Post	135.50	36.73
10 14 53 11-0213 EA 12' Baked Enamel U-Channel Sign Post	139.73	36.73
10 14 53 11-0214 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53 11-0215 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base	66.43	17.29
10 14 53 11-0216 EA 6' Galvanized Steel U-Channel Sign Post.....	89.01	21.60
10 14 53 11-0217 EA 7' Galvanized Steel U-Channel Sign Post.....	115.47	25.93
10 14 53 11-0218 EA 8' Galvanized Steel U-Channel Sign Post.....	133.96	30.25
10 14 53 11-0219 EA 10' Galvanized Steel U-Channel Sign Post.....	151.23	36.73
10 14 53 11-0220 EA 12' Galvanized Steel U-Channel Sign Post.....	153.42	36.73
10 14 53 11-0221 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53 11-0222 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	59.71	17.29
10 14 53 11-0223 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	77.58	21.60
10 14 53 11-0224 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	92.55	25.93
10 14 53 11-0225 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	108.33	30.25
10 14 53 11-0226 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	128.21	36.73
10 14 53 11-0227 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	135.41	36.73
10 14 53 11-0228 Tubular Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0229 2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0228)		
10 14 53 11-0230 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	89.91	21.60
10 14 53 11-0231 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	106.60	25.93
10 14 53 11-0232 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	126.04	30.25
10 14 53 11-0233 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	163.05	36.73
10 14 53 11-0234 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	177.89	36.73
10 14 53 11-0235 Square Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0236 Galvanized Steel Square Sign Posts (10 14 53 11-0235)		
10 14 53 11-0237 EA 3' To 4' Galvanized Steel Square Sign Post Base	67.64	17.29
10 14 53 11-0238 EA 6' Galvanized Steel Square Sign Post.....	109.48	21.60
10 14 53 11-0239 EA 7' Galvanized Steel Square Sign Post	128.21	25.93
10 14 53 11-0240 EA 8' Galvanized Steel Square Sign Post	149.55	30.25
10 14 53 11-0241 EA 10' Galvanized Steel Square Sign Post	182.67	36.73
10 14 53 11-0242 EA 12' Galvanized Steel Square Sign Post	193.03	36.73



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0243 Other Sign Posts And Bases <small>(10 14 53 11-0001)</small> Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0244 2.5 LB/FT Breakaway Sign Posts And Base Posts <small>(10 14 53 11-0243)</small>		
10 14 53 11-0245 Base Posts, 2.5 LB/LF, For Breakaway Sign Posts <small>(10 14 53 11-0244)</small>		
10 14 53 11-0246 EA Base Post for 2.5 LB/LF Breakaway Sign Post.....	90.88	21.09
10 14 53 11-0247 EA Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post.....	57.13	16.87
10 14 53 11-0248 Breakaway Sign Posts, 2.5 LB/LF <small>(10 14 53 11-0244)</small>		
10 14 53 11-0249 LF 2.5 LB/LF Breakaway Sign Post.....	12.04	2.11
10 14 53 11-0250 4 LB/FT Breakaway Sign Posts And Base Posts <small>(10 14 53 11-0243)</small>		
10 14 53 11-0251 Base Posts, 4 LB/LF, For Breakaway Sign Posts <small>(10 14 53 11-0250)</small>		
10 14 53 11-0252 EA Base Post For 4 LB/LF Breakaway Sign Post	95.35	25.31
10 14 53 11-0253 EA Lap Splice Hardware for 4 LB/LF Breakaway Sign Post.....	57.13	16.87
10 14 53 11-0254 Breakaway Sign Posts, 4 LB/LF <small>(10 14 53 11-0250)</small>		
10 14 53 11-0255 LF 4 LB/LF Breakaway Sign Post.....	14.81	2.11
10 14 53 11-0256 Driven Sign Posts <small>(10 14 53 11-0243)</small>		
10 14 53 11-0257 Driven Posts, 2.5 LB/LF <small>(10 14 53 11-0256)</small>		
10 14 53 11-0258 LF 2.5 LB/LF Driven Post.....	12.88	2.95
10 14 53 11-0259 Driven Posts, 4 LB/LF <small>(10 14 53 11-0256)</small>		
10 14 53 11-0260 LF 4 LB/LF Driven Post.....	16.07	3.37
10 14 53 11-0261 Omni-Directional Breakaway System For Sign Posts And Light Poles <small>(10 14 53 11-0243)</small>		
10 14 53 11-0262 Omni-Directional Breakaway Systems For Signs <small>(10 14 53 11-0261)</small> Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0263 EA Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,411.34	
10 14 53 11-0264 EA Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,503.77	
10 14 53 11-0265 EA Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,030.94	
10 14 53 11-0266 EA Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	902.98	
10 14 53 11-0267 EA Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	1,023.85	
10 14 53 11-0268 EA Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	974.06	
10 14 53 11-0269 EA Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,055.83	
10 14 53 11-0270 Omni-Directional Breakaway Systems For Poles <small>(10 14 53 11-0261)</small> Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 11-0271 EA Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	474.00	
10 14 53 11-0272 EA Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	496.95	
10 14 53 11-0273 EA Omni-Directional Breakaway System For Poles With 1" Couplings.....	516.06	
10 14 53 11-0274 EA Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	783.65	
10 14 53 11-0275 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	68.81	
10 14 53 11-0276 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	91.74	
10 14 53 11-0277 Sign Post Accessories <small>(10 14 53 11-0001)</small>		
10 14 53 11-0278 Sign Post Brackets <small>(10 14 53 11-0277)</small>		
10 14 53 11-0279 EA 2-3/8" Outside Diameter, Single Side Sign Bracket Set.....	47.30	6.32
Note: Includes 2 single side sign post brackets		
10 14 53 11-0280 EA 2-3/8" Outside Diameter, Double Side Sign Bracket Set	62.72	10.55
Note: Includes 2 double side sign post brackets		
10 14 53 11-0281 EA 4" To 12" Diameter, Buckle Bracket Set	56.99	8.44
Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware		
10 14 53 11-0282 Sign Post Caps <small>(10 14 53 11-0277)</small>		
10 14 53 11-0283 EA 2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	21.36	4.22
10 14 53 11-0284 Sign Post Replacement Bolts <small>(10 14 53 11-0277)</small>		
10 14 53 11-0285 EA Signage Fasteners Replacement.....	14.63	
Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 14 53 11-0286	Removal Of Signs <small>(10 14 53 11)</small>		
	Note: Includes structural supports.		
10 14 53 11-0287	EA >4 To 10 SF Sign Area, Sign Removal	168.75	
10 14 53 11-0288	EA >10 To 20 SF Sign Area, Sign Removal	404.99	
10 14 53 11-0289	EA >20 To 40 SF Sign Area, Sign Removal	607.49	
10 14 53 11-0290	EA >40 To 100 SF Sign Area, Sign Removal	1,048.72	

10 14 53 11-0291	Removal And Reinstallation Of Signs <small>(10 14 53 11)</small>		
	Note: Includes structural supports.		
10 14 53 11-0292	EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	257.86	
10 14 53 11-0293	EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	610.88	
10 14 53 11-0294	EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	914.11	
10 14 53 11-0295	EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,575.76	
10 14 53 11-0296	EA Removal And Reinstallation Of Street Sign On Post	97.03	
10 14 53 11-0297	EA Removal And Relocation Of Traffic Light	358.12	
	Note: Excludes electrical hookup.		

10 14 56 Bridge Signage (10 14)

10 14 56 00-0001	Bridge And Truss Mounted Signs <small>(10 14 56)</small>		
10 14 56 00-0002	Removal Of Bridge And Truss Mounted Signs <small>(10 14 56 00-0001)</small>		
10 14 56 00-0003	CF Removal Of Foundation	16.80	
	Note: Including Excavation		
10 14 56 00-0004	LF Removal Of Truss And Supports	231.65	
10 14 56 00-0005	SF Removal Of Sign Face	10.59	
10 14 56 00-0006	SF Removal Of Legend	17.65	
10 14 56 00-0007	EA Removal Of Changeable Message Panel	203.64	
10 14 56 00-0008	EA Removal Of Posts And Supports, Per Post	105.90	

10 14 56 00-0009 **Fabricate And Install New Reflective Messages On Sign Face** (10 14 56 00-0001)

10 14 56 00-0010	One Color/3 Dimensional Demountable Letters <small>(10 14 56 00-0009)</small>		
10 14 56 00-0011	EA 6" Capital Height Letter	29.35	
10 14 56 00-0012	EA 8" Capital Height Letter	34.73	
10 14 56 00-0013	EA 10" Capital Height Letter	40.07	
10 14 56 00-0014	EA 12" Capital Height Letter	44.92	
10 14 56 00-0015	EA 14" Capital Height Letter	47.83	

10 14 56 00-0016 **Two Color Legend Shields-Die Cut Vinyl Engineer Grade** (10 14 56 00-0009)

10 14 56 00-0017	EA 6" Legend/Shields	30.33	
10 14 56 00-0018	EA 8" Legend/Shields	36.04	
10 14 56 00-0019	EA 10" Legend/Shields	41.70	
10 14 56 00-0020	EA 12" Legend/Shields	46.88	
10 14 56 00-0021	EA 14" Legend/Shields	50.14	

10 17 Telephone Specialties (10 10)

10 17 16 Telephone Enclosures (10 17)

10 17 16 13 Telephone Stalls (10 17 16)

10 17 16 13-0001	EA Shelf Type, Wall Hung, Average	3,805.88	203.26
10 17 16 13-0002	EA Booth Type, Painted Steel, Indoor Or Outdoor	11,295.90	677.74
10 17 16 13-0003	EA Booth Type, Stainless Steel, Indoor Or Outdoor	34,145.61	677.74
10 17 16 13-0004	EA Outdoor, Acoustical, On Post	3,639.01	338.55
10 17 16 13-0005	EA Phone Carousel, Pedestal Mounted With Dividers	14,121.40	1,397.90
10 17 16 13-0006	EA Outdoor Drive-up Type, Wall Mounted	2,359.30	254.07
10 17 16 13-0007	EA Outdoor Drive-up Type, Post Mounted, Stainless Steel	3,527.80	333.47
10 17 16 13-0008	EA Telephone Enclosure, Booth Type, Indoor, Stainless Steel 42" High x 26-1/4" Wide x 15-3/16" Deep, Bronze Powder Coated Steel Exterior	23,938.18	678.62
10 17 16 13-0009	EA Telephone Enclosure, Booth Type, Painted Steel, Indoor Or Outdoor (Stainless Steel)	37,408.73	678.62
10 17 16 13-0010	EA Telephone Enclosure, Outdoor, Phone Carousel, Pedestal Mounted With Dividers	15,706.71	1,689.32

10 17 19 Telephone Shelving (10 17)

10 17 19 00-0001	EA 3 Binder Directory Shelf	2,883.71	127.04
10 17 19 00-0002	EA Directory Shelf, Wall Mounted, Stainless Steel, 3 Binders	3,586.87	127.04
10 17 19 00-0003	EA Directory Shelf, Wall Mounted, Stainless Steel, 4 Binders	4,117.38	145.45
10 17 19 00-0004	EA Directory Shelf, Wall Mounted, Stainless Steel, 5 Binders	4,968.20	169.59
10 17 19 00-0005	EA Directory Shelf, Table Type, Stainless Steel, 4 Binders	4,348.07	127.04
10 17 19 00-0006	EA Directory Shelf, Table Type, Stainless Steel, 7 Binders	5,331.18	145.45

10 20 Interior Specialties (10)



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 21 Compartments and Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

10 21 13 13 Metal Toilet Compartments (10 21 13)

<p>10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens <small>(10 21 13 13)</small> <small>Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.</small></p> <p>10 21 13 13-0002 Enamel Coated Steel Toilet Partitions <small>(10 21 13 13-0001)</small> <small>Note: All colors.</small></p> <p>10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small></p>	<p>EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition 1,059.42 <small>For >10, Deduct</small> -77.36 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition 1,277.76 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition 1,363.82 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p>	<p>142.92</p> <p>155.62</p> <p>161.97</p>
<p>10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small> <small>Note: Includes headrail.</small></p>	<p>EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition 1,108.24 <small>For >10, Deduct</small> -75.89 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition 1,284.31 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition 1,356.76 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p>	<p>174.68</p> <p>187.38</p> <p>193.73</p>
<p>10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small> <small>Note: Excludes above ceiling steel.</small></p>	<p>EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition 1,308.07 <small>For >10, Deduct</small> -89.52 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition 1,520.71 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition 1,596.30 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p>	<p>206.43</p> <p>219.14</p> <p>225.49</p>
<p>10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small> <small>Note: Excludes above ceiling steel.</small></p>	<p>EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition 1,272.03 <small>For >10, Deduct</small> -79.56 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 1,519.77 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p> <p>EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 1,603.70 <small>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</small> 214.38</p>	<p>238.19</p> <p>250.90</p> <p>257.25</p>
<p>10 21 13 13-0019 Enamel Coated Steel Urinal Screens <small>(10 21 13 13-0001)</small> <small>Note: All colors.</small></p>	<p>EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen 563.65 <small>For Heavy Gauge Full-Height SS Brackets, Add</small> 59.40</p> <p>EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen 624.14 <small>For Heavy Gauge Full-Height SS Brackets, Add</small> 59.40</p> <p>EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen 686.43 <small>For Heavy Gauge Full-Height SS Brackets, Add</small> 59.40</p>	<p>88.90</p> <p>95.24</p> <p>101.59</p>
<p>10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small></p>	<p>EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen 325.10 <small>For Heavy Gauge Full-Height SS Brackets, Add</small> 59.40</p>	<p>76.19</p>

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13	13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	350.68 59.40	82.54
10 21 13	13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	370.71 59.40	88.90
10 21 13	13-0028		Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13	13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	416.75 59.40	82.54
10 21 13	13-0030		Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13	13-0031	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	464.60 59.40	82.54
10 21 13	13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	495.67 59.40	88.90
10 21 13	13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	526.74 59.40	95.24
10 21 13	13-0034		Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13	13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	523.22 59.40	88.90
10 21 13	13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	561.66 59.40	95.24
10 21 13	13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	620.30 59.40	101.59
10 21 13	13-0038		Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001) Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13	13-0039		Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)		
10 21 13	13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	330.12 95.58	25.40
10 21 13	13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	337.47 95.58	25.40
10 21 13	13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	357.81 95.58	27.32
10 21 13	13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	390.88 95.58	27.32
10 21 13	13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	398.23 95.58	27.32
10 21 13	13-0045		Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)		
10 21 13	13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	241.60 59.40	38.11
10 21 13	13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	266.32 59.40	41.29
10 21 13	13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	291.05 59.40	44.46
10 21 13	13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	315.78 59.40	47.64
10 21 13	13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	340.51 59.40	50.82
10 21 13	13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	365.23 59.40	53.99
10 21 13	13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	388.12 59.40	57.17
10 21 13	13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	412.84 59.40	60.35
10 21 13	13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	430.23 59.40	63.51
10 21 13	13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	440.12 42.00 59.40	64.79
10 21 13	13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	453.11 42.00 59.40	66.69
10 21 13	13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	494.38 42.00 59.40	69.87
10 21 13	13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	530.14 42.00 59.40	73.04
10 21 13	13-0059		70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13	13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	181.43 59.40	19.06



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	13-0061	EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	200.65 59.40	22.23
10 21	13	13-0062	EA 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	221.71 59.40	25.40
10 21	13	13-0063	EA 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	257.46 59.40	28.58
10 21	13	13-0064	EA 10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	291.36 59.40	31.76
10 21	13	13-0065	EA 12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	325.28 59.40	34.93
10 21	13	13-0066	EA 18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	418.00 59.40	38.11
10 21	13	13-0067	EA 22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	479.47 59.40	41.29
10 21	13	13-0068	EA 24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	515.23 59.40	44.46
10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)					
10 21	13	13-0070	EA Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	146.52 59.40	19.06
10 21	13	13-0071	EA 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	160.22 59.40	22.23
10 21	13	13-0072	EA 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	175.77 59.40	25.40
10 21	13	13-0073	EA 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	198.66 59.40	28.58
10 21	13	13-0074	EA 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	219.70 59.40	31.76
10 21	13	13-0075	EA 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	242.59 59.40	34.93
10 21	13	13-0076	EA 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	298.56 59.40	38.11
10 21	13	13-0077	EA 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	336.15 59.40	41.29
10 21	13	13-0078	EA 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	359.04 59.40	44.46
10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)					
10 21	13	13-0080	EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	203.33 59.40	25.40
10 21	13	13-0081	EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	222.55 59.40	28.58
10 21	13	13-0082	EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	243.59 59.40	31.76
10 21	13	13-0083	EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	279.35 59.40	34.93
10 21	13	13-0084	EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	313.26 59.40	38.11
10 21	13	13-0085	EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	347.17 59.40	41.29
10 21	13	13-0086	EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	439.89 59.40	44.46
10 21	13	13-0087	EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	501.37 59.40	47.64
10 21	13	13-0088	EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	537.12 59.40	50.82
10 21 13 14 Stainless-Steel Toilet Compartments (10 21 13)					
10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14)					
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.					
10 21 13 14-0002 Stainless Steel Toilet Partitions (10 21 13 14-0001)					
10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)					
10 21	13	14-0004	EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,586.95 -230.11 214.38 805.39	142.92
10 21	13	14-0005	EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,122.70 214.38 984.01	155.62
10 21	13	14-0006	EA 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,270.66 214.38 1,031.35	161.97

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0007			Overhead Braced, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,193.25	174.68
			<i>For >10, Deduct</i>	-184.39	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	645.37	
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,668.32	187.38
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	802.75	
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,907.11	193.73
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	881.88	
10 21 13 14-0011			Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	3,036.01	206.43
			<i>For >10, Deduct</i>	-262.32	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	918.10	
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,256.13	219.14
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	986.25	
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,408.38	225.49
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	1,035.09	
10 21 13 14-0015			Ceiling Hung, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	3,040.91	238.19
			<i>For >10, Deduct</i>	-256.45	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	897.58	
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,699.21	250.90
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	1,119.10	
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,889.47	257.25
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For Diamond Pattern Finish, Add</i>	1,181.24	
10 21 13 14-0019			Stainless Steel Urinal Screens <small>(10 21 13 14-0001)</small>		
10 21 13 14-0020			Floor Anchored, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	856.16	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	237.44	
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	968.85	95.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	272.43	
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	989.72	101.59
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	275.29	
10 21 13 14-0024			Wall Hung, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	633.66	76.19
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	168.45	
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	685.68	82.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	182.21	
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	748.48	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	199.75	
10 21 13 14-0028			Wall Hung And Post Supported, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,026.40	82.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	301.46	
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,075.91	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	314.35	
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,125.20	95.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For Diamond Pattern Finish, Add</i>	327.15	



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0033 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	856.16	88.90
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	237.44	
10 21 13 14-0034 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	968.84	95.24
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	272.43	
10 21 13 14-0035 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,086.21	101.59
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	309.06	
10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 14-0001)</small>		
See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037 Stainless Steel, Toilet Partition Doors <small>(10 21 13 14-0036)</small>		
10 21 13 14-0038 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Door	564.00	25.40
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
For Diamond Pattern Finish, Add	179.61	
10 21 13 14-0039 EA 26" x 58" x 1", Stainless Steel, Toilet Partition Door	645.05	25.40
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
For Diamond Pattern Finish, Add	207.98	
10 21 13 14-0040 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Door	662.63	28.58
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
For Diamond Pattern Finish, Add	211.91	
10 21 13 14-0041 EA 34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	686.03	28.58
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
For Diamond Pattern Finish, Add	220.10	
10 21 13 14-0042 EA 36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	692.54	28.58
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
For Diamond Pattern Finish, Add	222.38	
10 21 13 14-0043 Stainless Steel, Toilet Partition Panels <small>(10 21 13 14-0036)</small>		
10 21 13 14-0044 EA 6" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	488.01	38.11
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	144.13	
10 21 13 14-0045 EA 12" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	541.92	41.29
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	160.77	
10 21 13 14-0046 EA 18" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	564.72	44.46
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	166.53	
10 21 13 14-0047 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	590.62	47.64
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	173.37	
10 21 13 14-0048 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	633.92	50.82
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	186.30	
10 21 13 14-0049 EA 36" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	684.25	53.99
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	201.69	
10 21 13 14-0050 EA 42" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	800.28	57.17
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	240.08	
10 21 13 14-0051 EA 48" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	876.14	60.35
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	264.41	
10 21 13 14-0052 EA 55" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	898.96	63.51
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	270.17	
10 21 13 14-0053 EA 58" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	943.57	64.79
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	284.90	
10 21 13 14-0054 EA 60" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	1,002.26	66.69
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	304.10	
10 21 13 14-0055 EA 70" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	1,050.15	69.87
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	318.64	
10 21 13 14-0056 EA 78" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	1,152.15	73.04
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	352.12	
10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0058 EA Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	338.10	19.06
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	105.00	
10 21 13 14-0059 EA 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	368.23	22.23
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	113.32	

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0060 EA 6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	400.20	25.40
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	122.28	
10 21 13 14-0061 EA 8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	455.93	28.58
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	139.57	
10 21 13 14-0062 EA 10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	511.66	31.76
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	156.85	
10 21 13 14-0063 EA 12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	567.41	34.93
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	174.14	
10 21 13 14-0064 EA 18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	720.09	38.11
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	225.35	
10 21 13 14-0065 EA 22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	825.22	41.29
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	259.93	
10 21 13 14-0066 EA 24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	880.97	44.46
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	277.21	
10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		
10 21 13 14-0068 EA Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	258.60	19.06
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	77.17	
10 21 13 14-0069 EA 5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	280.04	22.23
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	82.45	
10 21 13 14-0070 EA 6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	302.26	25.40
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	88.00	
10 21 13 14-0071 EA 8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	392.30	28.58
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	117.30	
10 21 13 14-0072 EA 10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	442.74	31.76
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	132.73	
10 21 13 14-0073 EA 12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	458.24	34.93
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	135.93	
10 21 13 14-0074 EA 18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	519.19	38.11
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	155.04	
10 21 13 14-0075 EA 22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	585.60	41.29
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	176.06	
10 21 13 14-0076 EA 24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	621.74	44.46
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	186.48	
10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		
10 21 13 14-0078 EA Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	370.93	25.40
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	112.04	
10 21 13 14-0079 EA 5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	406.55	28.58
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	122.28	
10 21 13 14-0080 EA 6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	440.32	31.76
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	131.88	
10 21 13 14-0081 EA 8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	505.22	34.93
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	152.37	
10 21 13 14-0082 EA 10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	568.27	38.11
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	172.22	
10 21 13 14-0083 EA 12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	631.33	41.29
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	192.07	
10 21 13 14-0084 EA 18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	811.46	44.46
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	252.89	
10 21 13 14-0085 EA 22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	931.22	47.64
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	292.58	
10 21 13 14-0086 EA 24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	996.10	50.82
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
For Diamond Pattern Finish, Add	313.06	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002 Laminated Plastic Toilet Partitions <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004 EA 36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 1,331.08 142.92 <i>For >10, Deduct</i> -104.63 <i>For Cast Stainless Steel Hardware, Add</i> 172.22 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0005 EA 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 1,624.12 155.62 <i>For Cast Stainless Steel Hardware, Add</i> 172.24 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0006 EA 60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 1,746.74 161.97 <i>For Cast Stainless Steel Hardware, Add</i> 172.25 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small> Note: Includes headrail.		
10 21 13 16-0008 EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 1,445.64 174.68 <i>For >10, Deduct</i> -109.63 <i>For Cast Stainless Steel Hardware, Add</i> 172.26 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0009 EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 1,751.41 187.38 <i>For Cast Stainless Steel Hardware, Add</i> 172.28 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0010 EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 1,883.60 193.73 <i>For Cast Stainless Steel Hardware, Add</i> 172.29 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 16-0012 EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 1,933.98 238.19 <i>For >10, Deduct</i> -145.76 <i>For Cast Stainless Steel Hardware, Add</i> 172.34 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 2,249.58 250.90 <i>For Cast Stainless Steel Hardware, Add</i> 172.35 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 2,372.19 257.25 <i>For Cast Stainless Steel Hardware, Add</i> 172.36 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 214.38		
10 21 13 16-0015 Laminated Plastic Urinal Screens <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 567.61 88.90 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 618.56 95.24 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 638.75 101.59 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 442.54 76.19 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 466.17 82.54 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 488.79 88.90 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 583.05 82.54 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 639.35 88.90 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 59.40		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	700.24 59.40	95.24
10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	539.66 59.40	82.54
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	591.68 59.40	88.90
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	611.26 59.40	95.24
10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	437.24 95.58	25.40
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	474.79 95.58	25.40
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	491.38 95.58	28.58
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	502.99 95.58	28.58
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	513.91 95.58	28.58
10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)		
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	228.41 59.40	38.11
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	252.46 59.40	41.29
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	276.52 59.40	44.46
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	301.46 59.40	47.64
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	324.61 59.40	50.82
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	349.66 59.40	53.99
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	358.09 59.40	57.17
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	367.83 59.40	60.35
10 21 13 16-0048 EA 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	387.19 59.40	63.51
10 21 13 16-0049 EA 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	403.00 59.40	64.79
10 21 13 16-0050 EA 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	420.82 59.40	66.69
10 21 13 16-0051 EA 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	478.37 59.40	69.87
10 21 13 16-0052 EA 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	543.45 59.40	73.04
10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)		
10 21 13 16-0054 EA Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	183.53 12.00 59.40 145.42	19.06
10 21 13 16-0055 EA 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	211.73 13.80 59.40 167.27	22.23
10 21 13 16-0056 EA 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	218.09 13.80 59.40 167.27	25.40
10 21 13 16-0057 EA 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	240.82 15.15 59.40 183.65	28.58
10 21 13 16-0058 EA 10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	251.94 15.55 59.40 188.43	31.76
10 21 13 16-0059 EA 12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	274.00 16.84 59.40 204.13	34.93



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	16-0060	EA 18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	347.26 22.36 59.40 271.04	38.11
10 21	13	16-0061	EA 22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	419.15 27.77 59.40 336.58	41.29
10 21	13	16-0062	EA 24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	469.89 31.43 59.40 380.96	44.46
10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)					
10 21	13	16-0064	EA Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	355.58 26.19 59.40 317.47	19.06
10 21	13	16-0065	EA 5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	393.33 28.78 59.40 348.87	22.23
10 21	13	16-0066	EA 6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	399.69 28.78 59.40 348.87	25.40
10 21	13	16-0067	EA 8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	432.67 30.98 59.40 375.50	28.58
10 21	13	16-0068	EA 10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	472.46 33.74 59.40 408.95	31.76
10 21	13	16-0069	EA 12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	504.77 35.88 59.40 434.90	34.93
10 21	13	16-0070	EA 18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	626.85 45.43 59.40 550.63	38.11
10 21	13	16-0071	EA 22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	713.41 52.04 59.40 630.84	41.29
10 21	13	16-0072	EA 24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	732.74 53.11 59.40 643.81	44.46
10 21 13 19 Plastic Toilet Compartments (10 21 13)					
10 21	13	19-0001	Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21	13	19-0002	Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21	13	19-0003	Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Includes headrail.		
10 21	13	19-0004	EA 36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,919.90 -157.06 214.38 973.74	174.68
10 21	13	19-0005	EA 60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,358.93 214.38 1,230.19	187.38
10 21	13	19-0006	EA 60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,611.72 214.38 1,379.04	193.73
10 21	13	19-0007	Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,923.92	206.43
			<i>For >10, Deduct</i>	-151.11	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For NFPA Class A, Add</i>	936.86	
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,401.39	219.14
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For NFPA Class A, Add</i>	1,217.13	
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,654.15	225.49
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For NFPA Class A, Add</i>	1,365.97	
10 21 13 19-0011			Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	2,021.71	238.19
			<i>For >10, Deduct</i>	-154.53	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For NFPA Class A, Add</i>	958.10	
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,393.42	250.90
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For NFPA Class A, Add</i>	1,172.81	
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,646.20	257.25
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
			<i>For NFPA Class A, Add</i>	1,321.65	
10 21 13 19-0015			Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0001)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016			Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0017	EA		18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	453.25	76.19
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	186.54	
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	477.81	82.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	193.89	
10 21 13 19-0019			Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	574.06	82.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	253.56	
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	723.04	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	338.06	
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	802.87	95.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	379.68	
10 21 13 19-0023			Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	586.75	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	253.56	
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	735.74	95.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	338.06	
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	871.25	101.59
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	414.20	
10 21 13 19-0027			Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0001)</small>		
			Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028			Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	455.07	25.40
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	250.64	
10 21 13 19-0030	EA		26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	491.86	25.40
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	273.44	
10 21 13 19-0031	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	534.72	28.58
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	296.08	



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add</i>	609.17 95.58 342.24	28.58
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add</i>	626.79 95.58 353.16	28.58
10 21 13 19-0034			Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	165.82 59.40 55.55	38.11
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	261.77 59.40 111.10	41.29
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	357.72 59.40 166.65	44.46
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	416.92 59.40 199.42	47.64
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	503.68 59.40 249.27	50.82
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	538.16 59.40 266.71	53.99
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	603.60 59.40 303.35	57.17
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	679.83 59.40 346.67	60.35
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	742.15 59.40 381.37	63.51
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	758.25 59.40 389.78	64.79
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	783.74 59.40 403.22	66.69
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	884.95 59.40 462.03	69.87
10 21 13 19-0047	EA		78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	953.43 59.40 500.54	73.04
10 21 13 19-0048			82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA		Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	210.71 59.40 107.01	19.06
10 21 13 19-0050	EA		5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	234.37 59.40 117.74	22.23
10 21 13 19-0051	EA		6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	255.00 59.40 126.59	25.40
10 21 13 19-0052	EA		8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	274.11 59.40 134.50	28.58
10 21 13 19-0053	EA		10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	307.71 59.40 151.40	31.76
10 21 13 19-0054	EA		12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	341.30 59.40 168.29	34.93
10 21 13 19-0055	EA		18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	467.20 59.40 242.41	38.11
10 21 13 19-0056	EA		22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	527.92 59.40 276.12	41.29
10 21 13 19-0057	EA		24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	574.76 59.40 301.21	44.46
10 21 13 19-0058			96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA		Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	257.55 59.40 128.17	25.40

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0060 EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	283.57 59.40 140.37	28.58
10 21 13 19-0061 EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	312.37 59.40 154.29	31.76
10 21 13 19-0062 EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	353.81 59.40 176.04	34.93
10 21 13 19-0063 EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	395.62 59.40 198.03	38.11
10 21 13 19-0064 EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	437.05 59.40 219.78	41.29
10 21 13 19-0065 EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	559.04 59.40 291.47	44.46
10 21 13 19-0066 EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	625.24 59.40 328.58	47.64
10 21 13 19-0067 EA 24" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	679.76 59.40 358.44	50.82
10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070 Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071 EA 36" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,469.59 -212.02 214.38 1,314.55	174.68
10 21 13 19-0072 EA 60" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,053.41 214.38 1,660.77	187.38
10 21 13 19-0073 EA 60" x 78", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,390.22 214.38 1,861.71	193.73
10 21 13 19-0074 Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075 EA 36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,452.79 -203.99 214.38 1,264.76	206.43
10 21 13 19-0076 EA 60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,088.46 214.38 1,643.11	219.14
10 21 13 19-0077 EA 60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,425.26 214.38 1,844.06	225.49
10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079 EA 36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,562.58 -208.62 214.38 1,293.44	238.19



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,055.48	250.90
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	214.38	
			For NFPA Class A, Add	1,583.29	
10 21	13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,392.29	257.25
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	214.38	
			For NFPA Class A, Add	1,784.23	
10 21	13 19-0082		Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0082)		
			Note: Includes all standard Columbia Partitions colors.		
10 21	13 19-0083		Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21	13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	558.55	76.19
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	251.83	
10 21	13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	583.40	82.54
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	259.35	
10 21	13 19-0086		Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21	13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	901.19	82.54
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	456.38	
10 21	13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,024.60	88.90
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	525.03	
10 21	13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,092.37	95.24
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	559.17	
10 21	13 19-0090		Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21	13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	729.86	88.90
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	342.29	
10 21	13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	926.58	95.24
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	456.38	
10 21	13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,105.08	101.59
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	559.17	
10 21	13 19-0094		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0094)		
			Note: Includes all standard Columbia Partitions colors.		
10 21	13 19-0095		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors (10 21 13 19-0094)		
10 21	13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	596.55	25.40
			For Heavy Gauge Full-Height SS Hinge, Add	95.58	
			For NFPA Class A, Add	338.35	
10 21	13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	646.24	25.40
			For Heavy Gauge Full-Height SS Hinge, Add	95.58	
			For NFPA Class A, Add	369.16	
10 21	13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	701.87	28.58
			For Heavy Gauge Full-Height SS Hinge, Add	95.58	
			For NFPA Class A, Add	399.71	
10 21	13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	802.38	28.58
			For Heavy Gauge Full-Height SS Hinge, Add	95.58	
			For NFPA Class A, Add	462.03	
10 21	13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	826.16	28.58
			For Heavy Gauge Full-Height SS Hinge, Add	95.58	
			For NFPA Class A, Add	476.77	
10 21	13 19-0101		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0094)		
10 21	13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	197.17	38.11
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	74.99	
10 21	13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	324.49	41.29
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	149.99	
10 21	13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	451.81	44.46
			For Heavy Gauge Full-Height SS Brackets, Add	59.40	
			For NFPA Class A, Add	224.99	

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0105	EA		24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	529.48 59.40 269.20	47.64
10 21 13 19-0106	EA		30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	644.39 59.40 336.51	50.82
10 21 13 19-0107	EA		36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	688.71 59.40 360.05	53.99
10 21 13 19-0108	EA		42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	774.84 59.40 409.52	57.17
10 21 13 19-0109	EA		48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	875.55 59.40 468.02	60.35
10 21 13 19-0110	EA		55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	957.45 59.40 514.85	63.51
10 21 13 19-0111	EA		58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	978.28 59.40 526.19	64.79
10 21 13 19-0112	EA		60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,011.35 59.40 544.34	66.69
10 21 13 19-0113	EA		70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,145.80 59.40 623.76	69.87
10 21 13 19-0114	EA		78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,235.99 59.40 675.73	73.04
10 21 13 19-0115			82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	271.12 59.40 144.47	19.06
10 21 13 19-0117	EA		5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	300.83 59.40 158.95	22.23
10 21 13 19-0118	EA		6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	326.46 59.40 170.90	25.40
10 21 13 19-0119	EA		8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	376.67 59.40 198.09	28.58
10 21 13 19-0120	EA		10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	423.16 59.40 222.98	31.76
10 21 13 19-0121	EA		12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	469.61 59.40 247.84	34.93
10 21 13 19-0122	EA		18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	604.04 59.40 327.25	38.11
10 21 13 19-0123	EA		22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	683.79 59.40 372.76	41.29
10 21 13 19-0124	EA		24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	744.79 59.40 406.63	44.46
10 21 13 19-0125			96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.90 59.40 173.03	25.40
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	362.82 59.40 189.50	28.58
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	399.48 59.40 208.30	31.76
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	453.20 59.40 237.66	34.93
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	507.43 59.40 267.35	38.11
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	561.11 59.40 296.69	41.29



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0132 EA 18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	723.60 59.40 393.50	44.46
10 21 13 19-0133 EA 22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	810.72 59.40 443.57	47.64
10 21 13 19-0134 EA 24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	882.10 59.40 483.89	50.82
10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136 Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138 EA 36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,005.61 -171.98 214.38 375.45	142.92
10 21 13 19-0139 EA 60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,459.78 214.38 466.76	155.62
10 21 13 19-0140 EA 60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,744.20 214.38 524.45	161.97
10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142 EA 36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,229.90 -188.06 214.38 412.38	174.68
10 21 13 19-0143 EA 60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,702.00 214.38 507.46	187.38
10 21 13 19-0144 EA 60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,000.11 214.38 568.03	193.73
10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146 EA 36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,308.10 -189.52 214.38 418.64	206.43
10 21 13 19-0147 EA 60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,776.89 214.38 513.02	219.14
10 21 13 19-0148 EA 60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,061.30 214.38 570.72	225.49
10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0150 EA 36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,283.92 -180.75 214.38 403.40	238.19
10 21 13 19-0151 EA 60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,737.74 214.38 494.64	250.90
10 21 13 19-0152 EA 60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,022.18 214.38 552.34	257.25
10 21 13 19-0153 Solid Phenolic Urinal Screens <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0154			Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0155	EA		24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	738.30	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	126.60	
10 21 13 19-0156	EA		36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	833.61	95.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	144.58	
10 21 13 19-0157	EA		48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	997.20	101.59
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	176.90	
10 21 13 19-0158			Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0159	EA		18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	476.00	76.19
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	75.58	
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	550.15	82.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	89.12	
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	659.18	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	109.98	
10 21 13 19-0162			Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0163	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	484.50	82.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	75.33	
10 21 13 19-0164	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	603.64	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	98.32	
10 21 13 19-0165	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	703.89	95.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	117.34	
10 21 13 19-0166			Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen.....	757.91	82.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	132.75	
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen.....	853.79	88.90
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	150.85	
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen.....	1,020.46	95.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	183.82	
10 21 13 19-0170			Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135)		
			Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171			Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door.....	541.02	25.40
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	105.48	
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door.....	559.45	25.40
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	109.35	
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door.....	613.10	28.58
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	119.60	
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door.....	661.16	28.58
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	129.70	
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door.....	710.54	28.58
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
			<i>For NFPA Class A, Add</i>	140.07	
10 21 13 19-0177			Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)		
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	178.38	38.11
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	25.26	
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	235.77	41.29
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	36.30	
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	318.71	44.46
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	52.70	
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	402.51	47.64
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	69.28	



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	448.35 59.40 77.89	50.82
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	496.45 59.40 86.98	53.99
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	578.06 59.40 103.10	57.17
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	662.08 59.40 119.73	60.35
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	705.99 59.40 127.93	63.51
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	725.60 59.40 131.64	64.79
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	739.65 59.40 133.98	66.69
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	849.77 59.40 156.09	69.87
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,024.08 59.40 191.68	73.04
10 21 13 19-0191			69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	258.63 27.57 59.40 48.21	19.06
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	297.75 31.66 59.40 55.41	22.23
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	304.11 31.66 59.40 55.73	25.40
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	352.11 36.87 59.40 64.80	28.58
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	396.00 41.56 59.40 73.00	31.76
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	439.91 46.26 59.40 81.20	34.93
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	561.64 60.68 59.40 105.75	38.11
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	688.83 75.78 59.40 131.44	41.29
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	723.86 79.37 59.40 137.78	44.46
10 21 13 19-0201			83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0202	EA		Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	283.21 30.64 59.40 53.38	19.06
10 21 13 19-0203	EA		5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	331.89 35.93 59.40 62.58	22.23
10 21 13 19-0204	EA		6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	338.25 35.93 59.40 62.90	25.40
10 21 13 19-0205	EA		8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	391.71 41.82 59.40 73.11	28.58

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0206	EA		10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	442.42	31.76
			<i>For 1" Plaster, Add</i>	47.36	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	82.75	
10 21 13 19-0207	EA		12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	493.51	34.93
			<i>For 1" Plaster, Add</i>	52.96	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	92.46	
10 21 13 19-0208	EA		16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	641.52	38.11
			<i>For 1" Plaster, Add</i>	70.66	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	122.52	
10 21 13 19-0209	EA		20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	763.60	41.29
			<i>For 1" Plaster, Add</i>	85.13	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	147.14	
10 21 13 19-0210	EA		24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	803.42	44.46
			<i>For 1" Plaster, Add</i>	89.31	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	154.49	
10 21 13 19-0211			96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21 13 19-0212	EA		Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	320.50	25.40
			<i>For 1" Plaster, Add</i>	33.71	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	59.17	
10 21 13 19-0213	EA		5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	378.73	28.58
			<i>For 1" Plaster, Add</i>	40.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	70.39	
10 21 13 19-0214	EA		6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	385.07	31.76
			<i>For 1" Plaster, Add</i>	40.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	70.70	
10 21 13 19-0215	EA		8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	444.00	34.93
			<i>For 1" Plaster, Add</i>	46.77	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	82.06	
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	501.56	38.11
			<i>For 1" Plaster, Add</i>	53.17	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	93.13	
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	559.79	41.29
			<i>For 1" Plaster, Add</i>	59.65	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	104.34	
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	734.11	44.46
			<i>For 1" Plaster, Add</i>	80.65	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	139.93	
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	851.06	47.64
			<i>For 1" Plaster, Add</i>	94.47	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	163.48	
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	895.64	50.82
			<i>For 1" Plaster, Add</i>	99.25	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
			<i>For NFPA Class A, Add</i>	171.82	
10 21 13 19-0221			Solid Color Reinforced Composite Toilet Partitions And Urinal Screens <small>(10 21 13 19-0221)</small>		
			<small>19</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.		
10 21 13 19-0222			Solid Color Reinforced Composite Toilet Partitions <small>(10 21 13 19-0221)</small>		
			Note: Includes all standard Bobrick colors.		
10 21 13 19-0223			Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,211.99	142.92
			<i>For >10, Deduct</i>	-192.62	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,717.60	155.62
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,034.63	161.97
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small> Note: Includes headrail.		
10 21 13 19-0228 EA 36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,455.57	174.68
<i>For >10, Deduct</i>	-210.62	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0229 EA 60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,981.27	187.38
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0230 EA 60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,313.63	193.73
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0232 EA 36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,535.53	206.43
<i>For >10, Deduct</i>	-212.27	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0233 EA 60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,057.52	219.14
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0234 EA 60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,374.54	225.49
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0236 EA 36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,500.82	238.19
<i>For >10, Deduct</i>	-202.44	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0237 EA 60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,006.06	250.90
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0238 EA 60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,323.10	257.25
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0239 Solid Color Reinforced Composite Urinal Screens <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0240 Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241 EA 24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	805.56	88.90
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0242 EA 36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	910.78	95.24
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0243 EA 48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	1,092.48	101.59
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0244 Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245 EA 18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	514.83	76.19
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0246 EA 24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	596.35	82.54
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0247 EA 30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	716.95	88.90
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0248 Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0249 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	522.82	82.54
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0250 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	654.74	88.90
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0251 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	765.50	95.24
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0252 Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0253 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	829.05	82.54
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0254 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	934.91	88.90
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0255 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	1,120.05	95.24
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0221)</small>		
Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors <small>(10 21 13 19-0256)</small>		
10 21 13 19-0258 EA 24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....	599.84	25.40
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
10 21 13 19-0259 EA 26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....	620.49	25.40
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
10 21 13 19-0260 EA 30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....	679.81	28.58
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
10 21 13 19-0261 EA 34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....	733.64	28.58
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
10 21 13 19-0262 EA 36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....	788.94	28.58
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	95.58	
10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels <small>(10 21 13 19-0256)</small>		
10 21 13 19-0264 EA 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	190.64	38.11
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0265 EA 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	254.16	41.29
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0266 EA 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	346.28	44.46
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0267 EA 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	439.37	47.64
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0268 EA 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	489.95	50.82
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0269 EA 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	543.07	53.99
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0270 EA 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	633.71	57.17
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0271 EA 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	727.05	60.35
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0272 EA 55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	775.46	63.51
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0273 EA 58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	797.12	64.79
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0274 EA 60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	812.40	66.69
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0275 EA 70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	934.98	69.87
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0276 EA 78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	1,129.44	73.04
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0278 EA Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	285.09	19.06
<i>For 1" Pilaster, Add</i>	30.87	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0279 EA 5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	328.15	22.23
<i>For 1" Pilaster, Add</i>	35.46	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0280 EA 6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	334.51	25.40
<i>For 1" Pilaster, Add</i>	35.46	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0281 EA 8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	387.50	28.58
<i>For 1" Pilaster, Add</i>	41.29	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0282 EA 10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	435.90	31.76
<i>For 1" Pilaster, Add</i>	46.55	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0283 EA 12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	484.31	34.93
<i>For 1" Pilaster, Add</i>	51.81	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0284 EA 16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	619.89	38.11
<i>For 1" Pilaster, Add</i>	67.96	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0285 EA 20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	761.58	41.29
<i>For 1" Pilaster, Add</i>	84.88	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0286 EA 24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	800.06 88.89 59.40	44.46
10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0288 EA Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	312.62 34.31 59.40	19.06
10 21 13 19-0289 EA 5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	366.38 40.24 59.40	22.23
10 21 13 19-0290 EA 6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	372.74 40.24 59.40	25.40
10 21 13 19-0291 EA 8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	431.85 46.84 59.40	28.58
10 21 13 19-0292 EA 10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	487.89 53.05 59.40	31.76
10 21 13 19-0293 EA 12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	544.35 59.31 59.40	34.93
10 21 13 19-0294 EA 16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	709.35 79.14 59.40	38.11
10 21 13 19-0295 EA 20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	845.33 95.35 59.40	41.29
10 21 13 19-0296 EA 24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	889.15 100.03 59.40	44.46
10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0298 EA Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	352.86 37.76 59.40	25.40
10 21 13 19-0299 EA 5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	417.32 45.02 59.40	28.58
10 21 13 19-0300 EA 6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	423.66 45.02 59.40	31.76
10 21 13 19-0301 EA 8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	488.90 52.38 59.40	34.93
10 21 13 19-0302 EA 10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	552.60 59.55 59.40	38.11
10 21 13 19-0303 EA 12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	617.06 66.81 59.40	41.29
10 21 13 19-0304 EA 16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	811.53 90.33 59.40	44.46
10 21 13 19-0305 EA 20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	941.75 105.81 59.40	47.64
10 21 13 19-0306 EA 24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	990.92 111.16 59.40	50.82
10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0307)</small> Note: Small particulate finish.		
10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310 EA 36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,978.48 -469.27 -1,079.31 214.38	142.92

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,012.98	155.62
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,311.40	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0312	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,668.62	161.97
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,459.28	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0313			Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,169.82	174.68
			<i>For >10, Deduct</i>	-482.05	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,108.71	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,793.80	187.38
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,476.38	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,521.45	193.73
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,640.82	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0317			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,790.88	206.43
			<i>For >10, Deduct</i>	-537.80	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,236.94	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,779.85	219.14
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,688.56	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,506.91	225.49
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,852.87	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0321			Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,847.49	238.19
			<i>For >10, Deduct</i>	-537.11	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,235.36	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,472.08	250.90
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,603.16	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0324	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,199.15	257.25
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,767.47	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	214.38	
10 21 13 19-0325			Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small>		
10 21 13 19-0326			Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,371.41	88.90
			<i>For Solid Color Material (No Particulate), Deduct</i>	-274.53	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0328	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,812.75	95.24
			<i>For Solid Color Material (No Particulate), Deduct</i>	-373.12	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0329	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	2,254.10	101.59
			<i>For Solid Color Material (No Particulate), Deduct</i>	-471.71	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0330			Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	700.62	76.19
			<i>For Solid Color Material (No Particulate), Deduct</i>	-126.10	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0332	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	896.06	82.54
			<i>For Solid Color Material (No Particulate), Deduct</i>	-168.12	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	
10 21 13 19-0333	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	1,091.51	88.90
			<i>For Solid Color Material (No Particulate), Deduct</i>	-210.16	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	59.40	



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens ^(10 21 13 19-0325)		
10 21 13 19-0335 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	917.10	82.54
For Solid Color Material (No Particulate), Deduct	-172.96	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0336 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,144.12	88.90
For Solid Color Material (No Particulate), Deduct	-222.26	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0337 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,371.13	95.24
For Solid Color Material (No Particulate), Deduct	-271.55	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens ^(10 21 13 19-0325)		
10 21 13 19-0339 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,405.43	82.54
For Solid Color Material (No Particulate), Deduct	-285.28	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0340 EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,846.76	88.90
For Solid Color Material (No Particulate), Deduct	-383.87	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0341 EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,288.10	95.24
For Solid Color Material (No Particulate), Deduct	-482.45	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters ^(10 21 13 19-0307)		
See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors ^(10 21 13 19-0342)		
10 21 13 19-0344 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,086.68	25.40
For Solid Color Material (No Particulate), Deduct	-238.25	
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
10 21 13 19-0345 EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,160.71	25.40
For Solid Color Material (No Particulate), Deduct	-255.27	
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
10 21 13 19-0346 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,323.64	28.58
For Solid Color Material (No Particulate), Deduct	-291.29	
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
10 21 13 19-0347 EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,476.41	28.58
For Solid Color Material (No Particulate), Deduct	-326.43	
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
10 21 13 19-0348 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,542.89	28.58
For Solid Color Material (No Particulate), Deduct	-341.72	
For Heavy Gauge Full-Height SS Hinge, Add	95.58	
10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels ^(10 21 13 19-0342)		
10 21 13 19-0350 EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	290.53	38.11
For Solid Color Material (No Particulate), Deduct	-49.29	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0351 EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	511.21	41.29
For Solid Color Material (No Particulate), Deduct	-98.59	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0352 EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	731.87	44.46
For Solid Color Material (No Particulate), Deduct	-147.88	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	952.56	47.64
For Solid Color Material (No Particulate), Deduct	-197.17	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,173.21	50.82
For Solid Color Material (No Particulate), Deduct	-246.46	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,393.87	53.99
For Solid Color Material (No Particulate), Deduct	-295.75	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0356 EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,614.55	57.17
For Solid Color Material (No Particulate), Deduct	-345.05	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0357 EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,835.21	60.35
For Solid Color Material (No Particulate), Deduct	-394.34	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0358 EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,091.60	63.51
For Solid Color Material (No Particulate), Deduct	-451.85	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0359 EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,201.32	64.79
For Solid Color Material (No Particulate), Deduct	-476.50	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	
10 21 13 19-0360 EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,276.55	66.69
For Solid Color Material (No Particulate), Deduct	-492.93	
For Heavy Gauge Full-Height SS Brackets, Add	59.40	

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13	19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,640.09 -575.08 59.40	69.87
10 21 13	19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,932.21 -640.81 59.40	73.04
10 21 13	19-0363		72" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13	19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	374.47 -77.36 59.40	19.06
10 21 13	19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	464.90 -96.70 59.40	22.23
10 21 13	19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	555.35 -116.04 59.40	25.40
10 21 13	19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	729.91 -154.73 59.40	28.58
10 21 13	19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	904.43 -193.41 59.40	31.76
10 21 13	19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,078.96 -232.09 59.40	34.93
10 21 13	19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,589.85 -348.13 59.40	38.11
10 21 13	19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,932.58 -425.50 59.40	41.29
10 21 13	19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,107.12 -464.18 59.40	44.46
10 21 13	19-0373		82" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13	19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	421.18 -88.11 59.40	19.06
10 21 13	19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	523.32 -110.14 59.40	22.23
10 21 13	19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	614.49 -129.64 59.40	25.40
10 21 13	19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	837.94 -179.58 59.40	28.58
10 21 13	19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,021.21 -220.27 59.40	31.76
10 21 13	19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,219.10 -264.32 59.40	34.93
10 21 13	19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,800.08 -396.49 59.40	38.11
10 21 13	19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,189.53 -484.60 59.40	41.29
10 21 13	19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,387.42 -528.65 59.40	44.46
10 21 13	19-0383		96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13	19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	555.35 -116.04 59.40	25.40
10 21 13	19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	687.85 -145.06 59.40	28.58
10 21 13	19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	820.34 -174.07 59.40	31.76
10 21 13	19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,078.96 -232.09 59.40	34.93
10 21 13	19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,337.58 -290.11 59.40	38.11



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0389 EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,596.20 -348.13 59.40	41.29
10 21 13 19-0390 EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,359.38 -522.20 59.40	44.46
10 21 13 19-0391 EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,870.29 -638.25 59.40	47.64
10 21 13 19-0392 EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	3,128.91 -696.27 59.40	50.82

10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)

10 21 13 43-0001 Accessories (10 21 13 43)		
10 21 13 43-0002 LF Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	14.27	2.55
10 21 13 43-0003 LF Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	24.80	2.55
10 21 13 43-0004 EA Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	124.12	
10 21 13 43-0005 EA Replacement Of 58" Aluminum Wall U Bracket.....	74.91	
10 21 13 43-0006 EA Replacement Of 58" Aluminum Wall Two Ear Bracket.....	124.52	
10 21 13 43-0007 EA Replacement Of 54" Stainless Steel Wall U Bracket.....	95.39	
10 21 13 43-0008 EA Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	229.99	
10 21 13 43-0009 EA Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	193.66	
10 21 13 43-0010 EA Replacement Of 57-1/2" Stainless Steel Hinge.....	156.61	

10 21 16 Shower and Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)		
10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001) Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003 EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	1,308.36 148.62	158.79
10 21 16 17-0004 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	1,664.05 198.16	171.50
10 21 16 17-0005 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	2,173.96 268.93	190.56
10 21 16 17-0006 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	2,567.71 318.47	222.32
10 21 16 17-0007 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	2,961.50 368.00	254.07

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

10 21 16 17-0009		
EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	3,231.66 456.84 85.79 118.10 144.84 174.36 140.82 180.82	279.10
10 21 16 17-0010 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	4,016.99 572.07 108.32 148.49 182.56 219.68 145.96 185.96	304.76
10 21 16 17-0011 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	5,103.99 733.19 140.16 191.20 235.76 283.55 149.81 189.81	324.06

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0012 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,443.10	362.56
For 66" High Panels, Add	780.21	
For 6" Wide Head Rail, Add	148.79	
For 8" Wide Head Rail, Add	203.22	
For 10" Wide Head Rail, Add	250.40	
For 12" Wide Head Rail, Add	301.21	
For 18" Wide, 1/2" Thick Bench, Add	157.51	
For 24" Wide, 1/2" Thick Bench, Add	197.51	
10 21 16 17-0013 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	6,239.93	394.07
For 66" High Panels, Add	896.59	
For 6" Wide Head Rail, Add	171.44	
For 8" Wide Head Rail, Add	233.84	
For 10" Wide Head Rail, Add	288.35	
For 12" Wide Head Rail, Add	346.81	
For 18" Wide, 1/2" Thick Bench, Add	163.81	
For 24" Wide, 1/2" Thick Bench, Add	203.81	
10 21 23 Cubicle Curtains and Track (10 21)		
10 21 23 13 Cubicle Curtains (10 21 23)		
10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops (10 21 23 13)		
10 21 23 13-0002 LF 84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	17.23	1.09
10 21 23 13-0003 LF 90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	18.23	1.09
10 21 23 13-0004 LF 96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	19.50	1.09
10 21 23 13-0005 LF 102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	20.52	1.09
10 21 23 13-0006 LF 108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.54	1.09
10 21 23 13-0007 LF 120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	23.49	1.09
10 21 23 16 Cubicle Track and Hardware (10 21 23)		
10 21 23 16-0001 Hospital Cubicle Curtain Channel Track (10 21 23 16)		
Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002 LF Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	23.67	5.78
10 21 23 16-0003 LF Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	37.18	6.35
10 21 23 16-0004 Hospital IV Tracks (10 21 23 16)		
10 21 23 16-0005 LF Oval Hospital Partition IV Track	29.23	3.62
10 21 23 16-0006 EA Hospital Partition IV Trolley	160.61	15.11
10 21 23 16-0007 EA 5 Hook Tree, Hospital Partition IV Pendant	664.06	15.11
10 22 Partitions (10 20)		
10 22 13 Wire Mesh Partitions (10 22)		
10 22 13 00-0001 Wall Panels (10 22 13)		
Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002 SF Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.66	1.59
For 5' Wide Panels, Add	0.62	
10 22 13 00-0003 SF Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.35	1.90
For 5' Wide Panels, Add	0.68	
10 22 13 00-0004 SF Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	26.36	2.22
For 5' Wide Panels, Add	1.10	
10 22 13 00-0005 Ceiling Panels (10 22 13)		
Note: Includes steel frame.		
10 22 13 00-0006 SF Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.22	1.90
10 22 13 00-0007 SF Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.93	2.22
10 22 13 00-0008 SF Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	19.86	2.55
10 22 13 00-0009 Sliding Doors (10 22 13)		
Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010 EA 4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,486.89	333.47
For 8 Gauge, Add	156.34	
For 6 Gauge, Add	312.68	
10 22 13 00-0011 EA 4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,567.88	368.40
For 8 Gauge, Add	161.50	
For 6 Gauge, Add	323.00	
10 22 13 00-0012 EA 5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,712.80	381.11
For 8 Gauge, Add	180.70	
For 6 Gauge, Add	361.40	
10 22 13 00-0013 EA 5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,868.04	412.86
For 8 Gauge, Add	197.63	
For 6 Gauge, Add	395.27	



Specialties	10
Interior Specialties	10 20
Partitions	10 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0014 EA 6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,932.75	438.28
For 8 Gauge, Add	202.26	
For 6 Gauge, Add	404.52	
10 22 13 00-0015 EA 6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,125.32	463.68
For 8 Gauge, Add	226.06	
For 6 Gauge, Add	452.12	
10 22 13 00-0016 EA 8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,284.13	498.61
For 8 Gauge, Add	242.90	
For 6 Gauge, Add	485.79	
10 22 13 00-0017 EA 8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,484.25	520.85
For 8 Gauge, Add	268.47	
For 6 Gauge, Add	536.94	
10 22 13 00-0018 EA 10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,506.88	533.55
For 8 Gauge, Add	269.32	
For 6 Gauge, Add	538.64	
10 22 13 00-0019 EA 10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,764.96	565.31
For 8 Gauge, Add	301.68	
For 6 Gauge, Add	603.36	
10 22 13 00-0020 Swing Doors <small>(10 22 13)</small>		
10 22 13 00-0021 Single Swing Door <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022 EA 3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,015.49	196.90
For 8 Gauge, Add	109.98	
For 6 Gauge, Add	219.96	
10 22 13 00-0023 EA 3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,092.25	222.32
For 8 Gauge, Add	119.37	
For 6 Gauge, Add	238.75	
10 22 13 00-0024 EA 3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,170.46	235.01
For 8 Gauge, Add	128.57	
For 6 Gauge, Add	257.13	
10 22 13 00-0025 EA 4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,155.76	254.07
For 8 Gauge, Add	122.55	
For 6 Gauge, Add	245.10	
10 22 13 00-0026 EA 4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,236.76	266.78
For 8 Gauge, Add	132.16	
For 6 Gauge, Add	264.32	
10 22 13 00-0027 EA 4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,292.32	279.47
For 8 Gauge, Add	137.95	
For 6 Gauge, Add	275.90	
10 22 13 00-0028 Double Swing Doors <small>(10 22 13 00-0020)</small>		
10 22 13 00-0029 EA 6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,605.22	317.58
For 8 Gauge, Add	177.27	
For 6 Gauge, Add	354.53	
10 22 13 00-0030 EA 6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,736.82	336.64
For 8 Gauge, Add	193.19	
For 6 Gauge, Add	386.39	
10 22 13 00-0031 EA 6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,868.40	355.70
For 8 Gauge, Add	209.12	
For 6 Gauge, Add	418.24	
10 22 13 00-0032 EA 8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,005.49	381.11
For 8 Gauge, Add	224.60	
For 6 Gauge, Add	449.21	
10 22 13 00-0033 EA 8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,194.36	400.17
For 8 Gauge, Add	249.12	
For 6 Gauge, Add	498.24	
10 22 13 00-0034 EA 8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,381.05	419.22
For 8 Gauge, Add	273.31	
For 6 Gauge, Add	546.63	
10 22 13 00-0035 Dutch Doors <small>(10 22 13)</small>		
Note: Includes padlocks lugs and/or provisions for cylinder lock.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22	13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,371.83	196.90
			<i>For 8 Gauge, Add</i>	163.43	
			<i>For 6 Gauge, Add</i>	326.86	
10 22	13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,454.95	222.32
			<i>For 8 Gauge, Add</i>	173.78	
			<i>For 6 Gauge, Add</i>	347.56	
10 22	13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,497.92	235.01
			<i>For 8 Gauge, Add</i>	177.69	
			<i>For 6 Gauge, Add</i>	355.37	
10 22	13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,578.99	266.78
			<i>For 8 Gauge, Add</i>	183.49	
			<i>For 6 Gauge, Add</i>	366.99	
10 22	13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,517.26	254.07
			<i>For 8 Gauge, Add</i>	176.78	
			<i>For 6 Gauge, Add</i>	353.55	
10 22	13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,609.59	266.78
			<i>For 8 Gauge, Add</i>	188.08	
			<i>For 6 Gauge, Add</i>	376.17	

10 22 19 Demountable Partitions (10 22)

10 22 19 13 Demountable Metal Partitions (10 22 19)

10 22	19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	176.25	20.20
			<i>For >9, Add 22.03</i>		
10 22	19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	154.61	16.08
			<i>For >9, Add 19.33</i>		
10 22	19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	132.96	12.09
			<i>For >9, Add 16.62</i>		
10 22	19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel.....	165.93	16.08
			<i>For >9, Add 20.74</i>		
10 22	19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric.....	239.40	17.29
			<i>For >9, Add 29.93</i>		

10 22 19 43 Demountable Composite Partitions (10 22 19)

10 22	19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad.....	271.31	20.20
			<i>For >9, Add 33.91</i>		
10 22	19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad.....	339.55	22.01
			<i>For >9, Add 42.44</i>		
10 22	19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	56.88	3.02
			<i>For Acoustical Partitions, Add</i>	5.09	
10 22	19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	71.29	5.07
			<i>For Acoustical Partitions, Add</i>	6.11	
10 22	19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	60.68	3.14
			<i>For Acoustical Partitions, Add</i>	5.43	
10 22	19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	86.77	4.35
			<i>For Acoustical Partitions, Add</i>	7.82	

10 22 19 53 Demountable Gypsum Partitions (10 22 19)

10 22 19 53-0001 Demountable Gypsum Partitions (10 22 19 53)

10 22	19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad.....	102.05	20.20
			<i>For >9, Add 12.76</i>		
10 22	19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad.....	169.05	22.01
			<i>For >9, Add 21.13</i>		
10 22	19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad.....	182.10	24.19
			<i>For >9, Add 22.76</i>		
10 22	19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad.....	220.34	20.20
			<i>For >9, Add 27.54</i>		
10 22	19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad.....	366.72	22.01
			<i>For >9, Add 45.84</i>		

10 22 23 Portable Partitions, Screens, and Panels (10 22)

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 Movable Panel Systems (10 22 23)

10 22 23 23-0001 Portable Partitions (10 22 23 23)

10 22	23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High.....	342.13	9.68
10 22	23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High.....	364.67	10.76
10 22	23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High.....	433.53	12.94
10 22	23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High.....	252.30	5.56



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0006 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	267.73	6.41
10 22 23 23-0007 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	300.89	7.74
10 22 23 23-0008 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	256.58	5.92
10 22 23 23-0009 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	456.41	10.76
10 22 23 23-0010 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	501.48	12.94
10 22 23 23-0011 LF Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	266.09	7.38
10 22 23 23-0012 LF Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	302.69	8.59
10 22 23 23-0013 LF Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	243.95	6.41
10 22 23 23-0014 LF Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	273.71	7.74
10 22 23 23-0015 LF Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High.....	405.44	10.76
10 22 23 23-0016 LF Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	457.31	12.94
10 22 23 23-0017 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	412.24	10.76
10 22 23 23-0018 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	501.48	12.94
10 22 23 23-0019 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	318.70	6.41
10 22 23 23-0020 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	358.65	7.74
10 22 23 23-0021 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	336.42	5.92
10 22 23 23-0022 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	401.36	7.02
10 22 23 23-0023 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	194.74	7.38
10 22 23 23-0024 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	229.64	8.59
10 22 23 23-0025 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	207.45	7.74
10 22 23 23-0026 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	151.25	5.92
10 22 23 23-0027 LF Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side.....	246.53	7.74
10 22 23 23-0028 LF Partitions, Portable, Metal Chalkboard, 2 Sides	281.14	8.11
10 22 23 23-0029 LF Partitions, Portable, Tackboard, Both Sides	226.39	7.86

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) (10 22 23 23)

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	1,029.33	
10 22 23 23-0032 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	977.26	
10 22 23 23-0033 EA 2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	768.97	
10 22 23 23-0034 EA 2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	890.47	
10 22 23 23-0035 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,576.07	
Note: Includes a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0036 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,749.64	
10 22 23 23-0037 EA 4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008).....	2,096.78	
Note: Includes a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0038 EA 7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	346.50	
10 22 23 23-0039 EA 6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	471.27	
10 22 23 23-0040 EA 12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	505.98	
10 22 23 23-0041 EA 7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	285.76	
10 22 23 23-0042 EA 7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	285.76	
10 22 23 23-0043 EA Closure Strips (Edge Guard 3003).....	19.48	
Note: To seal panels to existing walls		
10 22 23 23-0044 EA Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	483.67	

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002 SF 15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	94.23	5.99
<i>For <135, Add</i>		
	18.85	
10 22 33 00-0003 SF 20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	95.70	6.19
<i>For <135, Add</i>		
	19.14	
10 22 33 00-0004 SF 31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	100.22	6.38
<i>For <135, Add</i>		
	20.04	
10 22 33 00-0005 SF 35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	106.32	6.60
<i>For <135, Add</i>		
	21.26	
10 22 33 00-0006 SF 39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	108.18	6.79
<i>For <135, Add</i>		
	21.64	
10 22 33 00-0007 SF 40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	109.50	6.99
<i>For <135, Add</i>		
	21.90	
10 22 33 00-0008 SF 41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	110.79	7.18
<i>For <135, Add</i>		
	22.16	
10 22 33 00-0009 SF 44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	112.43	7.58
<i>For <135, Add</i>		
	22.49	
10 22 33 00-0010 SF 47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	119.13	7.58
<i>For <135, Add</i>		
	23.83	
10 22 33 00-0011 SF 50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	125.84	7.58
<i>For <135, Add</i>		
	25.17	

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001 Operable Wall (10 22 43)

Note: Includes top support track, assembled panel and frames.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0002 SF Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	250.98	23.71
For 43 STC, Deduct	-11.62	
For 49 STC, Add	14.75	
For 52 STC, Add	22.35	
10 22 43 00-0003 SF >720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	232.65	19.10
For 43 STC, Deduct	-11.37	
For 49 STC, Add	14.43	
For 52 STC, Add	21.87	
10 22 43 00-0004 SF >1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	219.20	15.85
For 43 STC, Deduct	-11.13	
For 49 STC, Add	14.13	
For 52 STC, Add	21.41	
10 22 43 00-0005 SF Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	213.31	16.67
For 43 STC, Deduct	-10.58	
For 49 STC, Add	13.43	
For 52 STC, Add	20.35	
10 22 43 00-0006 SF >1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	199.37	13.55
For 43 STC, Deduct	-10.28	
For 49 STC, Add	13.05	
For 52 STC, Add	19.77	
10 22 43 00-0007 SF >1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	191.21	12.20
For 43 STC, Deduct	-10.03	
For 49 STC, Add	12.73	
For 52 STC, Add	19.30	
10 22 43 00-0008 SF Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	189.17	13.14
For 43 STC, Deduct	-9.72	
For 49 STC, Add	12.33	
For 52 STC, Add	18.68	
10 22 43 00-0009 SF >1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	178.62	11.25
For 43 STC, Deduct	-9.41	
For 49 STC, Add	11.94	
For 52 STC, Add	18.09	
10 22 43 00-0010 SF >2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	171.40	10.02
For 43 STC, Deduct	-9.17	
For 49 STC, Add	11.64	
For 52 STC, Add	17.63	
10 22 43 00-0011 SF Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes pocket door, track and hardware.	189.52	15.85
For 44 STC, Deduct	-9.18	
For 49 STC, Add	11.66	
For 52 STC, Add	17.66	
10 22 43 00-0012 SF >160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes pocket door, track and hardware.	174.11	12.06
For 44 STC, Deduct	-8.94	
For 49 STC, Add	11.35	
For 52 STC, Add	17.19	
10 22 43 00-0013 SF >240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes pocket door, track and hardware.	165.25	10.16
For 44 STC, Deduct	-8.73	
For 49 STC, Add	11.08	
For 52 STC, Add	16.80	

10 26 Wall and Door Protection (10 20)

10 26 13 Corner Guards (10 26)

10 26 13 00-0001	Vinyl Corner Guards <small>(10 26 13)</small>
10 26 13 00-0002	Rigid Vinyl Corner Guards <small>(10 26 13 00-0001)</small>
10 26 13 00-0003	Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>
10 26 13 00-0004	90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	8.60 -1.59 -2.22 -2.97	3.81
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	9.15 -1.59 -2.22 -3.00	3.81
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.19 -1.59 -2.22 -3.15	3.81
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	16.00 -1.59 -2.22 -3.34	3.81
10 26 13 00-0009			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.31 -1.59 -2.22 -3.31	3.81
10 26 13 00-0011			Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small> Note: Includes closure caps.		
10 26 13 00-0012			Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014	LF		2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Recycled Vinyl Retainer, Deduct</i>	15.72 -2.38 -3.33 -4.59 -1.24	5.71
10 26 13 00-0015	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Recycled Vinyl Retainer, Deduct</i>	17.41 -2.38 -3.33 -4.68 -1.58	5.71
10 26 13 00-0016	LF		Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Recycled Vinyl Retainer, Deduct</i>	19.10 -2.38 -3.33 -4.76 -1.92	5.71
10 26 13 00-0017			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018	LF		3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Recycled Vinyl Retainer, Deduct</i>	22.26 -2.38 -3.33 -4.92 -2.55	5.71
10 26 13 00-0019			End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF		2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Recycled Vinyl Retainer, Deduct</i>	31.51 -3.18 -4.45 -6.66 -3.76	7.62
10 26 13 00-0021			Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022			90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023	LF		2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	20.58 -2.38 -3.33 -4.84 7.74	5.71

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	24.59	5.71
For >50 To 100, Deduct	-2.38	
For >100 To 200, Deduct	-3.33	
For >200, Deduct	-5.04	
For Up To 2 HR Fire Rated, Add	10.55	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	22.87	5.71
For >50 To 100, Deduct	-2.38	
For >100 To 200, Deduct	-3.33	
For >200, Deduct	-4.95	
For Up To 2 HR Fire Rated, Add	9.35	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	26.30	5.71
For >50 To 100, Deduct	-2.38	
For >100 To 200, Deduct	-3.33	
For >200, Deduct	-5.12	
For Up To 2 HR Fire Rated, Add	11.75	
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG- 888)	54.30	7.62
For >50 To 100, Deduct	-3.18	
For >100 To 200, Deduct	-4.45	
For >200, Deduct	-7.80	
For Up To 2 HR Fire Rated, Add	29.12	
10 26 13 00-0030 Flexible Vinyl Corner Guards (10 26 13 00-0001)		
Note: Includes adhesive for installation.		
10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0030)		
10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0031)		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	11.57	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.12	
For Bolting To Concrete Or Masonry, Add	2.69	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	14.58	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.27	
For Bolting To Concrete Or Masonry, Add	3.14	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	17.03	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.39	
For Bolting To Concrete Or Masonry, Add	3.51	
10 26 13 00-0036 Polycarbonate Corner Guards (10 26 13)		
10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0036)		
10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	7.92	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-2.94	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	9.40	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.01	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.12	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.10	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.17	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.15	
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	11.78	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.13	



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0044 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045 LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19).....	12.17	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.15	
10 26 13 00-0046 Aluminum Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0047 Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
10 26 13 00-0048 90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049 LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400).....	10.92	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.09	
10 26 13 00-0050 LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401).....	12.92	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.19	
10 26 13 00-0051 LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402).....	14.15	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.25	
10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053 LF 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403).....	10.92	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.09	
10 26 13 00-0054 LF 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404).....	12.92	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.19	
10 26 13 00-0055 LF 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405).....	14.15	3.81
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.25	
10 26 13 00-0056 Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0057 Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>		
10 26 13 00-0058 Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>		
10 26 13 00-0059 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060 LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	14.08	4.58
For Galvanizing, Add	2.26	
For >50 To 100, Deduct	-1.91	
For >100 To 200, Deduct	-2.67	
For >200, Deduct	-3.75	
10 26 13 00-0061 LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	17.69	4.95
For Galvanizing, Add	3.30	
For >50 To 100, Deduct	-2.07	
For >100 To 200, Deduct	-2.89	
For >200, Deduct	-4.19	
10 26 13 00-0062 LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	18.77	5.14
For Galvanizing, Add	3.57	
For >50 To 100, Deduct	-2.14	
For >100 To 200, Deduct	-3.00	
For >200, Deduct	-4.37	
10 26 13 00-0063 LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	19.22	5.33
For Galvanizing, Add	3.62	
For >50 To 100, Deduct	-2.22	
For >100 To 200, Deduct	-3.11	
For >200, Deduct	-4.52	
10 26 13 00-0064 LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	23.65	5.52
For Galvanizing, Add	5.06	
For >50 To 100, Deduct	-2.30	
For >100 To 200, Deduct	-3.22	
For >200, Deduct	-4.86	
10 26 13 00-0065 LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	28.10	5.71
For Galvanizing, Add	6.50	
For >50 To 100, Deduct	-2.38	
For >100 To 200, Deduct	-3.33	
For >200, Deduct	-5.21	
10 26 13 00-0066 LF 6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	47.37	7.62
For Galvanizing, Add	12.13	
For >50 To 100, Deduct	-3.18	
For >100 To 200, Deduct	-4.45	
For >200, Deduct	-7.45	

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0067		
Stainless Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0068		
Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small>		
Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		
Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070		
90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	12.06	3.81
LF 1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520).....		
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.14	
10 26 13 00-0072	13.81	3.81
LF 2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510).....		
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.23	
10 26 13 00-0073	18.38	3.81
LF 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)		
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.46	
10 26 13 00-0074	18.38	3.81
LF Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....		
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.46	
10 26 13 00-0075		
135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	18.38	3.81
LF 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)		
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.46	
10 26 13 00-0077	18.38	3.81
LF Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....		
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.46	
10 26 13 00-0078		
Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079		
Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080		
90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	22.55	4.58
LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....		
For >50 To 100, Deduct	-1.91	
For >100 To 200, Deduct	-2.67	
For >200, Deduct	-4.18	
10 26 13 00-0082	36.56	4.95
LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....		
For >50 To 100, Deduct	-2.07	
For >100 To 200, Deduct	-2.89	
For >200, Deduct	-5.13	
10 26 13 00-0083	50.48	5.14
LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....		
For >50 To 100, Deduct	-2.14	
For >100 To 200, Deduct	-3.00	
For >200, Deduct	-5.95	
10 26 13 00-0084	47.32	5.33
LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....		
For >50 To 100, Deduct	-2.22	
For >100 To 200, Deduct	-3.11	
For >200, Deduct	-5.92	
10 26 13 00-0085	66.89	5.52
LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....		
For >50 To 100, Deduct	-2.30	
For >100 To 200, Deduct	-3.22	
For >200, Deduct	-7.02	
10 26 13 00-0086	62.01	5.71
LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....		
For >50 To 100, Deduct	-2.38	
For >100 To 200, Deduct	-3.33	
For >200, Deduct	-6.91	
10 26 13 00-0087		
Rubber Corner Guards <small>(10 26 13)</small>		
Note: Includes adhesive for installation.		
10 26 13 00-0088		
Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089		
Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090		
90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	51.54	3.81
LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....		
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-5.12	
For Bolting To Concrete Or Masonry, Add	8.68	



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0092 Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0093)</small>		
10 26 13 00-0095 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	23.71	3.81
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100 To 200, Deduct</i>	-2.22	
<i>For >200, Deduct</i>	-3.73	
<i>For Bolting To Concrete Or Masonry, Add</i>	4.51	
10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0096)</small>		
10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.92	3.81
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100 To 200, Deduct</i>	-2.22	
<i>For >200, Deduct</i>	-3.59	
<i>For Bolting To Concrete Or Masonry, Add</i>	4.09	
10 26 16 Bumper Guards <small>(10 26)</small>		
10 26 16 13 Bumper Rails <small>(10 26 16)</small>		
10 26 16 13-0001 Crash Rails <small>(10 26 16 13)</small> Note: Includes end caps.		
10 26 16 13-0002 Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	13.84	5.08
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100 To 200, Deduct</i>	-3.56	
<i>For >200, Deduct</i>	-4.76	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	15.15	5.08
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100 To 200, Deduct</i>	-3.56	
<i>For >200, Deduct</i>	-4.82	
10 26 16 13-0005 Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	37.90	5.08
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100 To 200, Deduct</i>	-3.56	
<i>For >200, Deduct</i>	-5.96	
10 26 16 13-0007 Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	65.63	5.08
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100 To 200, Deduct</i>	-3.56	
<i>For >200, Deduct</i>	-7.35	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	51.76	5.08
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100 To 200, Deduct</i>	-3.56	
<i>For >200, Deduct</i>	-6.65	
10 26 16 13-0010 Wall Guards <small>(10 26 16 13)</small>		
10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small> Note: Includes end caps.		
10 26 16 13-0012 LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	14.10	4.45
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100 To 200, Deduct</i>	-3.11	
<i>For >200, Deduct</i>	-4.26	
10 26 16 13-0013 LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	17.07	5.08
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100 To 200, Deduct</i>	-3.56	
<i>For >200, Deduct</i>	-4.92	
10 26 16 13-0014 LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	18.36	5.08
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100 To 200, Deduct</i>	-3.56	
<i>For >200, Deduct</i>	-4.98	

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0015	LF		5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	19.07	5.08
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 200, Deduct</i>	-3.56	
			<i>For >200, Deduct</i>	-5.02	
10 26 16 13-0016	LF		6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	22.58	5.40
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100 To 200, Deduct</i>	-3.78	
			<i>For >200, Deduct</i>	-5.45	
10 26 16 13-0017	LF		8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	22.69	5.40
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100 To 200, Deduct</i>	-3.78	
			<i>For >200, Deduct</i>	-5.45	
10 26 16 13-0018	LF		7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	23.32	5.40
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100 To 200, Deduct</i>	-3.78	
			<i>For >200, Deduct</i>	-5.48	
10 26 16 13-0019	LF		12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	27.85	5.71
			<i>For >50 To 100, Deduct</i>	-2.86	
			<i>For >100 To 200, Deduct</i>	-4.00	
			<i>For >200, Deduct</i>	-5.96	
10 26 16 13-0020			Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021			D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF		2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	18.53	4.45
			<i>For >50 To 100, Deduct</i>	-2.22	
			<i>For >100 To 200, Deduct</i>	-3.11	
			<i>For >200, Deduct</i>	-4.48	
10 26 16 13-0023	LF		3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	26.80	5.08
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 200, Deduct</i>	-3.56	
			<i>For >200, Deduct</i>	-5.40	
10 26 16 13-0024	LF		4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	38.80	5.08
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 200, Deduct</i>	-3.56	
			<i>For >200, Deduct</i>	-6.00	
10 26 16 13-0025	LF		6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	53.91	5.08
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 200, Deduct</i>	-3.56	
			<i>For >200, Deduct</i>	-6.76	
10 26 16 13-0026			Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF		8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	41.51	5.40
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100 To 200, Deduct</i>	-3.78	
			<i>For >200, Deduct</i>	-6.39	
10 26 16 13-0028	LF		9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	52.06	5.71
			<i>For >50 To 100, Deduct</i>	-2.86	
			<i>For >100 To 200, Deduct</i>	-4.00	
			<i>For >200, Deduct</i>	-7.18	
10 26 16 13-0029			Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF		6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	67.02	5.08
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 200, Deduct</i>	-3.56	
			<i>For >200, Deduct</i>	-7.42	
10 26 16 13-0031	LF		6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	71.18	5.08
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 200, Deduct</i>	-3.56	
			<i>For >200, Deduct</i>	-7.62	
10 26 16 13-0032	LF		3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	33.13	4.45
			<i>For >50 To 100, Deduct</i>	-2.22	
			<i>For >100 To 200, Deduct</i>	-3.11	
			<i>For >200, Deduct</i>	-5.21	
10 26 16 13-0033			U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF		3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	56.90	5.40
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100 To 200, Deduct</i>	-3.78	
			<i>For >200, Deduct</i>	-7.16	
10 26 16 13-0035	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	63.49	5.40
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100 To 200, Deduct</i>	-3.78	
			<i>For >200, Deduct</i>	-7.49	
10 26 16 13-0036			Accent Rails <small>(10 26 16 13)</small>		
			Note: Includes end caps.		
10 26 16 13-0037			Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0038 LF 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	16.36	4.45
For >50 To 100, Deduct	-2.22	
For >100 To 200, Deduct	-3.11	
For >200, Deduct	-4.37	
10 26 16 13-0039 LF 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	16.39	4.45
For >50 To 100, Deduct	-2.22	
For >100 To 200, Deduct	-3.11	
For >200, Deduct	-4.38	
10 26 16 13-0040 LF 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	22.78	4.45
For >50 To 100, Deduct	-2.22	
For >100 To 200, Deduct	-3.11	
For >200, Deduct	-4.70	
10 26 16 16 Protective Corridor Handrails (10 26 16)		
10 26 16 16-0001 Protective Corridor Handrails (10 26 16 16)		
10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)		
10 26 16 16-0003 LF 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN).....	32.12	9.52
For >50 To 100, Deduct	-4.76	
For >100 To 200, Deduct	-6.67	
For >200, Deduct	-9.23	
10 26 16 16-0004 EA End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	28.39	9.52
For >25 To 50, Deduct	-4.76	
For >50 To 100, Deduct	-6.67	
For >100, Deduct	-9.04	
10 26 16 16-0005 LF 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	43.33	9.52
For >50 To 100, Deduct	-4.76	
For >100 To 200, Deduct	-6.67	
For >200, Deduct	-9.79	
10 26 16 16-0006 EA End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	35.86	9.52
For >25 To 50, Deduct	-4.76	
For >50 To 100, Deduct	-6.67	
For >100, Deduct	-9.41	
10 26 16 16-0007 LF 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	45.20	9.52
For >50 To 100, Deduct	-4.76	
For >100 To 200, Deduct	-6.67	
For >200, Deduct	-9.88	
10 26 16 16-0008 EA End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	48.93	9.52
For >25 To 50, Deduct	-4.76	
For >50 To 100, Deduct	-6.67	
For >100, Deduct	-10.07	
10 26 16 16-0009 LF 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	58.27	9.52
For >50 To 100, Deduct	-4.76	
For >100 To 200, Deduct	-6.67	
For >200, Deduct	-10.53	
10 26 16 16-0010 EA End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	63.88	9.52
For >25 To 50, Deduct	-4.76	
For >50 To 100, Deduct	-6.67	
For >100, Deduct	-10.81	
10 26 16 16-0011 Stainless Steel Protective Corridor Handrails (10 26 16 16-0001)		
10 26 16 16-0012 LF 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS).....	76.95	9.52
For >50 To 100, Deduct	-4.76	
For >100 To 200, Deduct	-6.67	
For >200, Deduct	-11.47	
10 26 16 16-0013 EA End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	78.82	9.52
For >25 To 50, Deduct	-4.76	
For >50 To 100, Deduct	-6.67	
For >100, Deduct	-11.56	
10 26 16 16-0014 Hardwood Protective Corridor Handrails (10 26 16 16-0001)		
Note: Includes end caps.		
10 26 16 16-0015 LF 4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C).....	32.88	7.36
For >50 To 100, Deduct	-3.68	
For >100 To 200, Deduct	-5.16	
For >200, Deduct	-7.54	
For Maple, Add	0.54	
10 26 16 16-0016 LF 5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	39.03	7.85
For >50 To 100, Deduct	-3.93	
For >100 To 200, Deduct	-5.50	
For >200, Deduct	-8.24	
10 26 16 16-0017 LF 1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	29.00	7.36
For >50 To 100, Deduct	-3.68	
For >100 To 200, Deduct	-5.16	
For >200, Deduct	-7.34	
For Maple, Add	6.14	
For Oak, Add	6.85	

10 26 23 Protective Wall Covering (10 26)

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 26 23 13 Impact Resistant Wall Protection (10 26 23)

10 26 23 13-0001	Impact Resistant Wall Protection <small>(10 26 23 13)</small>		
	Note: Includes standard trim.		
10 26 23 13-0002	SF 0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	9.11	3.18
10 26 23 13-0003	SF 0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	9.45	3.18
10 26 23 13-0004	SF 0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	11.39	3.18

10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13)

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0006	"L" Design <small>(10 26 23 13-0005)</small>		
10 26 23 13-0007	L-Shield <small>(10 26 23 13-0006)</small>		
10 26 23 13-0008	LF 2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	17.26	3.18
10 26 23 13-0009	LF 3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe.....	20.06	4.45
10 26 23 13-0010	LF 3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe.....	26.33	5.71
10 26 23 13-0011	LF 5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe.....	36.05	6.98

10 26 23 13-0012 "Combo" Hanger (10 26 23 13-0006)

10 26 23 13-0013	EA Combination "Combo" Hanger, L-Support, For 3/4" Pipe.....	19.36	6.35
10 26 23 13-0014	EA Combination "Combo" Hanger, L-Support, For 1" Pipe.....	22.42	7.63
10 26 23 13-0015	EA Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe.....	25.90	8.89
10 26 23 13-0016	EA Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe.....	28.83	10.16
10 26 23 13-0017	EA Combination "Combo" Hanger, L-Support, For 2" Pipe.....	32.31	11.43

10 26 23 13-0018 Snap-2 Pipe Hanger (10 26 23 13-0006)

10 26 23 13-0019	EA Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	16.17	6.35
10 26 23 13-0020	EA Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	19.63	7.63
10 26 23 13-0021	EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	22.84	8.89
10 26 23 13-0022	EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	26.57	10.16
10 26 23 13-0023	EA Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	30.45	11.43

10 26 23 13-0024 Coupling (10 26 23 13-0006)

10 26 23 13-0025	EA Coupling, L-Shield, 1" Shield Size.....	10.47	3.18
10 26 23 13-0026	EA Coupling, L-Shield, 1-1/4" Shield Size.....	15.14	4.45
10 26 23 13-0027	EA Coupling, L-Shield, 2" Shield Size.....	21.67	5.71
10 26 23 13-0028	EA Coupling, L-Shield, 2-1/2" Shield Size.....	27.14	6.98

10 26 23 13-0029 Coupling, Reducer (10 26 23 13-0006)

10 26 23 13-0030	EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size.....	28.91	3.81
10 26 23 13-0031	EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size.....	35.49	4.45
10 26 23 13-0032	EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size.....	42.08	5.08
10 26 23 13-0033	EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size.....	162.75	6.35

10 26 23 13-0034 Shield Clips (10 26 23 13-0006)

10 26 23 13-0035	EA Shield Clips, L-Support, 1" Shield Size.....	6.34	1.90
10 26 23 13-0036	EA Shield Clips, L-Support, 1-1/4" Shield Size.....	9.54	3.18
10 26 23 13-0037	EA Shield Clips, L-Support, 2" Shield Size.....	12.61	4.45
10 26 23 13-0038	EA Shield Clips, L-Support, 2-1/2" Shield Size.....	14.36	5.71

10 26 23 13-0039 Wall Flange (10 26 23 13-0006)

10 26 23 13-0040	EA Wall Flange, L-Shield, 1" Shield Size.....	10.21	3.18
10 26 23 13-0041	EA Wall Flange, L-Shield, 1-1/4" Shield Size.....	14.61	4.45
10 26 23 13-0042	EA Wall Flange, L-Shield, 2" Shield Size.....	21.14	5.71
10 26 23 13-0043	EA Wall Flange, L-Shield, 2-1/2" Shield Size.....	85.34	6.98

10 26 23 13-0044 End Cap (10 26 23 13-0006)

10 26 23 13-0045	EA End Cap, L-Shield, 1" Shield Size.....	10.33	1.90
10 26 23 13-0046	EA End Cap, L-Shield, 1-1/4" Shield Size.....	13.80	3.18
10 26 23 13-0047	EA End Cap, L-Shield, 2" Shield Size.....	19.13	4.45
10 26 23 13-0048	EA End Cap, L-Shield, 2-1/2" Shield Size.....	86.71	5.71

10 26 23 13-0049 Inside/Outside Corner (10 26 23 13-0006)

10 26 23 13-0050	EA Inside/Outside Corner, L-Shield, 1" Shield Size.....	63.65	6.35
10 26 23 13-0051	EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	68.71	7.63
10 26 23 13-0052	EA Inside/Outside Corner, L-Shield, 2" Shield Size.....	83.04	9.53
10 26 23 13-0053	EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	144.57	11.43



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0054 Joiner <small>(10 26 23 13-0006)</small>		
10 26 23 13-0055 LF Joiner, L-Shield.....	13.25	1.90
10 26 23 13-0056 "U" Design <small>(10 26 23 13-0005)</small>		
10 26 23 13-0057 U-Shield <small>(10 26 23 13-0056)</small>		
10 26 23 13-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	20.72	3.18
10 26 23 13-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	25.92	4.45
10 26 23 13-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	33.11	4.45
10 26 23 13-0061 "Combo" Hanger <small>(10 26 23 13-0056)</small>		
10 26 23 13-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	16.83	6.35
10 26 23 13-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe.....	20.03	7.63
10 26 23 13-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	23.11	8.89
10 26 23 13-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	28.43	10.16
10 26 23 13-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe.....	32.18	11.43
10 26 23 13-0067 Snap-2 Pipe Hanger <small>(10 26 23 13-0056)</small>		
10 26 23 13-0068 EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe.....	15.90	6.35
10 26 23 13-0069 EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe.....	19.36	7.63
10 26 23 13-0070 EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe.....	23.51	8.89
10 26 23 13-0071 EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe.....	26.31	10.16
10 26 23 13-0072 EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe.....	30.32	11.43
10 26 23 13-0073 Coupling <small>(10 26 23 13-0056)</small>		
10 26 23 13-0074 EA Coupling, U-Shield, 1" Shield Size.....	12.34	3.18
10 26 23 13-0075 EA Coupling, U-Shield, 1-1/4" Shield Size.....	15.54	4.45
10 26 23 13-0076 EA Coupling, U-Shield, 2" Shield Size.....	19.01	5.71
10 26 23 13-0077 Coupling, Reducer <small>(10 26 23 13-0056)</small>		
10 26 23 13-0078 EA Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	34.23	3.81
10 26 23 13-0079 EA Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	40.81	4.45
10 26 23 13-0080 EA Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	43.41	5.08
10 26 23 13-0081 Shield Clips <small>(10 26 23 13-0056)</small>		
10 26 23 13-0082 EA Shield Clips, U-Support, 1" Shield Size.....	5.81	1.90
10 26 23 13-0083 EA Shield Clips, U-Support, 1-1/4" Shield Size.....	8.61	3.18
10 26 23 13-0084 EA Shield Clips, U-Support, 2" Shield Size.....	11.42	4.45
10 26 23 13-0085 Wall Flange <small>(10 26 23 13-0056)</small>		
10 26 23 13-0086 EA Wall Flange, U-Shield, 1" Shield Size.....	11.94	3.18
10 26 23 13-0087 EA Wall Flange, U-Shield, 1-1/4" Shield Size.....	15.41	4.45
10 26 23 13-0088 EA Wall Flange, U-Shield, 2" Shield Size.....	18.88	5.71
10 26 23 13-0089 End Cap <small>(10 26 23 13-0056)</small>		
10 26 23 13-0090 EA End Cap, U-Shield, 1" Shield Size.....	10.99	1.90
10 26 23 13-0091 EA End Cap, U-Shield, 1-1/4" Shield Size.....	14.86	3.18
10 26 23 13-0092 EA End Cap, U-Shield, 2" Shield Size.....	18.60	4.45
10 26 23 13-0093 Inside/Outside Corner <small>(10 26 23 13-0056)</small>		
10 26 23 13-0094 EA Inside/Outside Corner, U-Shield, 1" Shield Size.....	79.75	6.35
10 26 23 13-0095 EA Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	88.79	7.63
10 26 23 13-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size.....	105.12	9.53
10 26 23 13-0097 Elbow <small>(10 26 23 13-0056)</small>		
10 26 23 13-0098 EA Elbow, U-Shield, 1" Shield Size.....	78.28	6.35
10 26 23 13-0099 EA Elbow, U-Shield, 1-1/4" Shield Size.....	86.13	7.63
10 26 23 13-0100 EA Elbow, U-Shield, 2" Shield Size.....	102.59	9.53
10 26 23 13-0101 Tee <small>(10 26 23 13-0056)</small>		
10 26 23 13-0102 EA Tee, U-Shield, 1" x 1" x 1" Shield Size.....	99.26	9.53
10 26 23 13-0103 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size.....	110.52	11.43
10 26 23 13-0104 EA Tee, U-Shield, 2" x 2" x 2" Shield Size.....	129.17	13.97
10 26 23 13-0105 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size.....	130.67	10.80
10 26 23 13-0106 EA Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	141.20	13.34

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0107 Cross <small>(10 26 23 13-0056)</small>		
10 26 23 13-0108 EA Cross, U-Shield, 1" Shield Size.....	179.03	12.71
10 26 23 13-0109 EA Cross, U-Shield, 1-1/4" Shield Size.....	200.73	15.24
10 26 23 13-0110 EA Cross, U-Shield, 2" Shield Size.....	244.01	19.06
10 26 23 13-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size.....	245.02	13.97
10 26 23 13-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size.....	269.73	17.15
10 26 23 13-0113 Transition Fittings (L to U Or U to L) <small>(10 26 23 13-0005)</small>		
10 26 23 13-0114 Coupling Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0115 EA Transition Coupling, 1" x 1", LxU or UxL.....	30.56	3.18
10 26 23 13-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	34.69	4.45
10 26 23 13-0117 EA Transition Coupling, 2" x 2", LxU or UxL.....	43.22	5.71
10 26 23 13-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL.....	34.63	3.81
10 26 23 13-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL.....	43.15	5.08
10 26 23 13-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL.....	170.33	6.35
10 26 23 13-0121 Elbow Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0122 EA Transition Elbow, 1" x 1" (UxL).....	105.02	6.35
10 26 23 13-0123 EA Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	113.93	7.63
10 26 23 13-0124 EA Transition Elbow, 2" x 2" (UxL).....	133.71	9.53
10 26 23 13-0125 EA Transition Elbow, 1" x 1-1/4" (UxL).....	162.94	6.98
10 26 23 13-0126 EA Transition Elbow, 1-1/4" x 1" (UxL).....	115.59	6.98
10 26 23 13-0127 EA Transition Elbow, 1-1/4" x 2" (UxL).....	172.35	8.89
10 26 23 13-0128 EA Transition Elbow, 2" x 1-1/4" (UxL).....	133.91	8.89
10 26 23 13-0129 EA Transition Elbow, 2" x 2-1/2" (UxL).....	207.07	10.16
10 26 23 13-0130 Tee Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU).....	120.68	9.53
10 26 23 13-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	139.65	11.43
10 26 23 13-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU).....	162.56	13.97
10 26 23 13-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	127.61	10.80
10 26 23 13-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	199.71	12.07
10 26 23 13-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	142.40	13.34
10 26 23 13-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	194.03	15.88
10 26 23 13-0138 Fittings (L Or U) <small>(10 26 23 13-0005)</small>		
10 26 23 13-0139 Hugger Hangers For Steel Pipe <small>(10 26 23 13-0138)</small>		
10 26 23 13-0140 EA Hugger Hanger, For 1/2" Steel Pipe.....	12.95	5.08
10 26 23 13-0141 EA Hugger Hanger, For 3/4" Steel Pipe.....	16.17	6.35
10 26 23 13-0142 EA Hugger Hanger, For 1" Steel Pipe.....	18.96	7.63
10 26 23 13-0143 EA Hugger Hanger, For 1-1/4" Steel Pipe.....	21.91	8.89
10 26 23 13-0144 EA Hugger Hanger, For 1-1/2" Steel Pipe.....	24.71	10.16
10 26 23 13-0145 EA Hugger Hanger, For 2" Steel Pipe.....	27.79	10.16
10 26 23 13-0146 EA Hugger Hanger, For 2-1/2" Steel Pipe.....	30.59	12.71
10 26 23 13-0147 EA Hugger Hanger, For 3" Steel Pipe.....	38.06	13.97
10 26 23 13-0148 Hugger Hangers For Copper Pipe <small>(10 26 23 13-0138)</small>		
10 26 23 13-0149 EA 1/2" Copper Pipe, Hugger Hanger.....	13.09	5.08
10 26 23 13-0150 EA 3/4" Copper Pipe, Hugger Hanger.....	16.30	6.35
10 26 23 13-0151 EA 1" Copper Pipe, Hugger Hanger.....	19.10	7.63
10 26 23 13-0152 EA 1-1/4" Copper Pipe, Hugger Hanger.....	22.05	8.89
10 26 23 13-0153 EA 1-1/2" Copper Pipe, Hugger Hanger.....	24.84	10.16
10 26 23 13-0154 EA 2" Copper Pipe, Hugger Hanger.....	28.06	11.43
10 26 23 13-0155 EA 2-1/2" Copper Pipe, Hugger Hanger.....	30.85	12.71
10 26 23 13-0156 EA 3" Copper Pipe, Hugger Hanger.....	38.46	13.97
10 26 23 13-0157 Shield Extension (L Or U) <small>(10 26 23 13-0138)</small>		
10 26 23 13-0158 LF Shield Extension.....	16.05	1.90
10 26 23 13-0159 Interior Steel Soffit System <small>(10 26 23 13)</small>		
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160 SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel).....	30.76	5.71
For 22 Gauge Steel, Add	1.93	
For 20 Gauge Steel, Add	4.14	
For 18 Gauge Steel, Add	8.12	
For 16 Gauge Steel, Add	12.47	
For Stainless Steel, Add	4.83	
10 26 23 13-0161 EA U-Shield Wall Flange (JG Innovations Soffi-Steel).....	49.37	15.88
For Stainless Steel, Add	4.40	



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23	13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	121.57	19.06
			<i>For Stainless Steel, Add</i>	20.55	
10 26 23	13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	37.85	9.53
			<i>For Stainless Steel, Add</i>	4.70	
10 26 23	13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	8.38	3.81
			<i>For Stainless Steel, Add</i>	0.19	
10 26 23	13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	34.87	5.71
			<i>For 22 Gauge Steel, Add</i>	1.76	
			<i>For 20 Gauge Steel, Add</i>	3.75	
			<i>For 18 Gauge Steel, Add</i>	7.27	
			<i>For 16 Gauge Steel, Add</i>	12.19	
			<i>For Stainless Steel, Add</i>	5.86	
10 26 23	13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	49.37	15.88
			<i>For Stainless Steel, Add</i>	4.40	
10 26 23	13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	121.57	19.06
			<i>For Stainless Steel, Add</i>	20.55	
10 26 23	13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	32.76	6.98
			<i>For Stainless Steel, Add</i>	4.70	
10 26 23	13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	8.38	3.81
			<i>For Stainless Steel, Add</i>	0.19	

10 26 41 Bullet Resistant Panels (10 26)

10 26 41	00-0001		Laminated Bullet Resistant Fiberglass Panel (10 26 41)		
			Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41	00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	22.49	1.79
10 26 41	00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	30.62	1.92
10 26 41	00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	34.58	2.05
10 26 41	00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	36.81	2.17
10 26 41	00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	39.85	2.30
10 26 41	00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	42.87	2.42
10 26 41	00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	72.30	2.94
10 26 41	00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	103.82	4.61
10 26 41	00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	123.31	5.50
10 26 41	00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	149.01	6.01
10 26 41	00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	169.38	6.39

10 28 Toilet, Bath, and Laundry Accessories (10 20)

10 28 13 Toilet Accessories (10 28)

10 28 13 13 Commercial Toilet Accessories (10 28 13)

10 28 13	13-0001		Toilet Accessories (10 28 13 13)		
10 28 13	13-0002		Dispensers (10 28 13 13-0001)		
10 28 13	13-0003		Paper Towel Dispensers (10 28 13 13-0002)		
10 28 13	13-0004		Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13	13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	117.65	28.57
10 28 13	13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	125.28	28.57
10 28 13	13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	126.41	28.57
10 28 13	13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	128.60	28.57
10 28 13	13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	188.89	28.57
10 28 13	13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	204.70	28.57
10 28 13	13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	221.81	28.57
10 28 13	13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	225.88	12.70
10 28 13	13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	381.39	28.57
10 28 13	13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	447.57	28.57
10 28 13	13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	482.89	28.57
10 28 13	13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	279.19	28.57
10 28 13	13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	157.05	15.87
10 28 13	13-0018		Plastic Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13	13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	91.64	28.57
10 28 13	13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	179.28	28.57
10 28 13	13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	178.10	28.57
10 28 13	13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	152.90	28.57
10 28 13	13-0023		Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13	13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	99.28	28.57

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0025 Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0026 Plastic Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0027 EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288).....	91.36	28.57
10 28 13 13-0028 EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	155.07	28.57
10 28 13 13-0029 EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	80.28	28.57
10 28 13 13-0030 EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784).....	93.29	28.57
10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0032 EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730).....	83.45	28.57
10 28 13 13-0033 EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	84.01	28.57
10 28 13 13-0034 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740).....	87.97	28.57
10 28 13 13-0035 EA Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274).....	95.32	28.57
10 28 13 13-0036 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460).....	122.45	28.57
10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0038 EA Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264).....	72.42	28.57
10 28 13 13-0039 EA Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540).....	189.19	28.57
10 28 13 13-0040 EA Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543).....	114.12	28.57
10 28 13 13-0041 EA Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	109.17	28.57
10 28 13 13-0042 EA Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685).....	117.79	28.57
10 28 13 13-0043 EA Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686).....	152.02	31.75
10 28 13 13-0044 EA Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857).....	117.79	28.57
10 28 13 13-0045 EA Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867).....	152.02	28.57
10 28 13 13-0046 EA Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997).....	163.02	28.57
10 28 13 13-0047 EA Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999).....	249.34	28.57
10 28 13 13-0048 EA Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997).....	249.34	28.57
10 28 13 13-0049 EA Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	109.35	28.57
10 28 13 13-0050 EA Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272).....	126.69	28.57
10 28 13 13-0051 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265).....	82.87	28.57
10 28 13 13-0052 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888).....	135.46	28.57
10 28 13 13-0053 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	189.15	28.57
10 28 13 13-0054 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	195.68	28.57
10 28 13 13-0055 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	247.40	28.57
10 28 13 13-0056 EA Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892).....	227.55	28.57
10 28 13 13-0057 EA Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	351.24	28.57
Note: Mounts centered through toilet partitions.		
10 28 13 13-0058 EA Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840).....	154.69	28.57
10 28 13 13-0059 EA Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782).....	143.63	28.57
10 28 13 13-0060 EA Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796).....	117.40	28.57
10 28 13 13-0061 Soap or Sanitizer Dispensers (10 28 13 13-0002)		
10 28 13 13-0062 EA 20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	107.76	28.57
For 34 Fluid Ounce (B-822), Add	5.11	
10 28 13 13-0063 EA 20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	116.24	28.57
For 34 Fluid Ounce (B-822), Add	5.11	
10 28 13 13-0064 EA 24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	75.53	28.57
10 28 13 13-0065 EA 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	81.46	28.57
10 28 13 13-0066 EA 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	98.50	28.57
10 28 13 13-0067 EA 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	100.95	28.57
10 28 13 13-0068 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	109.45	28.57
10 28 13 13-0069 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	136.31	28.57
10 28 13 13-0070 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	228.45	28.57
10 28 13 13-0071 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	358.77	28.57
10 28 13 13-0072 EA 800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	225.99	28.57
Note: Includes start-up kit.		
10 28 13 13-0073 Sanitizer Dispensers (10 28 13 13-0002)		
10 28 13 13-0074 Manual Sanitizer Dispensers (10 28 13 13-0073)		
10 28 13 13-0075 EA 1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	87.74	28.57
10 28 13 13-0076 EA 1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00).....	88.95	28.57
10 28 13 13-0077 EA 1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	88.57	28.57
10 28 13 13-0078 Automatic Sanitizer Dispensers (10 28 13 13-0073)		
10 28 13 13-0079 EA 1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	82.58	28.57



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0080 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6).....	105.19	28.57
10 28 13 13-0081 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	99.55	28.57
10 28 13 13-0082 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	106.46	28.57
10 28 13 13-0083 EA 1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058).....	121.43	28.57
10 28 13 13-0084 EA 2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	122.14	28.57
10 28 13 13-0085 Automatic Floor Stand Sanitizer Dispensers (10 28 13 13-0073)		
10 28 13 13-0086 EA 1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	575.56	9.52
10 28 13 13-0087 EA 1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV).....	618.85	9.52
10 28 13 13-0088 EA 1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02).....	643.05	9.52
10 28 13 13-0089 Facial Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0090 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	123.03	28.57
10 28 13 13-0091 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	90.70	28.57
10 28 13 13-0092 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)		
10 28 13 13-0093 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	74.39	28.57
10 28 13 13-0094 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	96.73	28.57
10 28 13 13-0095 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	167.13	28.57
10 28 13 13-0096 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	176.72	28.57
10 28 13 13-0097 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	340.40	28.57
10 28 13 13-0098 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0099 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	536.47	28.57
10 28 13 13-0100 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	330.71	28.57
10 28 13 13-0101 Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)		
10 28 13 13-0102 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	660.74	28.57
10 28 13 13-0103 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	504.11	28.57
10 28 13 13-0104 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	669.36	28.57
10 28 13 13-0105 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25).....	509.74	28.57
10 28 13 13-0106 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4).....	449.17	28.57
10 28 13 13-0107 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	568.68	28.57
10 28 13 13-0108 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0109 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	476.52	63.49
10 28 13 13-0110 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	530.41	63.49
10 28 13 13-0111 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	442.27	63.49
10 28 13 13-0112 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	616.93	63.49
10 28 13 13-0113 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	633.60	63.49
10 28 13 13-0114 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	726.62	63.49
10 28 13 13-0115 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	682.13	63.49
10 28 13 13-0116 Receptacles (10 28 13 13-0001)		
10 28 13 13-0117 Wall Mounted Waste Receptacles (10 28 13 13-0116)		
10 28 13 13-0118 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3).....	109.41	28.57
10 28 13 13-0119 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279).....	177.30	28.57
10 28 13 13-0120 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644).....	409.14	63.49
10 28 13 13-0121 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644).....	600.25	63.49
10 28 13 13-0122 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	478.40	63.49
10 28 13 13-0123 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0116)		
10 28 13 13-0124 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	127.97	28.57
10 28 13 13-0125 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	180.41	28.57
10 28 13 13-0126 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	334.46	12.70
10 28 13 13-0127 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250).....	504.66	12.70
10 28 13 13-0128 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	472.94	12.70
10 28 13 13-0129 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	454.90	12.70
10 28 13 13-0130 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0116)		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0131 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	341.29	63.49
10 28 13 13-0132 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	540.03	63.49
10 28 13 13-0133 EA 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	532.12	63.49
10 28 13 13-0134 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	766.91	63.49
10 28 13 13-0135 EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,050.38	63.49
10 28 13 13-0136 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	890.03	63.49
10 28 13 13-0137 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	689.33	63.49
10 28 13 13-0138 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,107.71	63.49
10 28 13 13-0139 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,026.84	69.85
10 28 13 13-0140 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	695.50	69.85
10 28 13 13-0141 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0116)		
10 28 13 13-0142 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	102.22	31.75
10 28 13 13-0143 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	195.47	31.75
10 28 13 13-0144 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	211.91	31.75
10 28 13 13-0145 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	483.88	31.75
10 28 13 13-0146 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	260.53	31.75
10 28 13 13-0147 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	450.24	31.75
10 28 13 13-0148 Grab Bars (10 28 13 13-0001)		
10 28 13 13-0149 1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0148)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0150 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	99.39	25.39
For Peened Grip, Add	4.95	
10 28 13 13-0151 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	113.44	25.39
For Peened Grip, Add	6.21	
10 28 13 13-0152 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	114.85	25.39
For Peened Grip, Add	6.34	
10 28 13 13-0153 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	115.51	25.39
For Peened Grip, Add	6.40	
10 28 13 13-0154 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	115.69	25.39
For Peened Grip, Add	6.41	
10 28 13 13-0155 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	119.09	25.39
For Peened Grip, Add	6.72	
10 28 13 13-0156 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	124.45	25.39
For Peened Grip, Add	7.20	
10 28 13 13-0157 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0148)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0158 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	187.37	25.39
For Peened Grip, Add	12.29	
10 28 13 13-0159 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	191.03	25.39
For Peened Grip, Add	12.62	
10 28 13 13-0160 1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0148)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0161 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	112.26	25.39
For Peened Grip, Add	6.10	
10 28 13 13-0162 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	113.44	25.39
For Peened Grip, Add	6.21	
10 28 13 13-0163 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	115.69	25.39
For Peened Grip, Add	6.41	
10 28 13 13-0164 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	117.96	25.39
For Peened Grip, Add	6.62	
10 28 13 13-0165 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	120.78	25.39
For Peened Grip, Add	6.87	
10 28 13 13-0166 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	123.33	25.39
For Peened Grip, Add	7.10	
10 28 13 13-0167 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	129.55	25.39
For Peened Grip, Add	7.66	
10 28 13 13-0168 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0148)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0169 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	172.09	25.39
For Peened Grip, Add	10.92	
10 28 13 13-0170 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	184.26	25.39
For Peened Grip, Add	12.01	



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0171 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)..... <i>For Peened Grip, Add</i>	161.35 9.95	25.39
10 28 13 13-0172 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (10 28 13 13-0148) Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0173 EA 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998) <i>For Peened Grip, Add</i>	486.61 39.80	25.39
10 28 13 13-0174 Shelves (10 28 13 13-0001)		
10 28 13 13-0175 EA 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	129.80	28.57
10 28 13 13-0176 EA 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	133.20	28.57
10 28 13 13-0177 EA 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	148.75	28.57
10 28 13 13-0178 EA 5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	152.66	28.57
10 28 13 13-0179 EA 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	146.50	28.57
10 28 13 13-0180 EA 6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	148.34	28.57
10 28 13 13-0181 EA 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	157.51	28.57
10 28 13 13-0182 EA 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	170.79	28.57
10 28 13 13-0183 EA 8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	198.87	28.57
10 28 13 13-0184 EA 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	157.79	28.57
10 28 13 13-0185 EA 4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683).....	160.62	28.57
10 28 13 13-0186 EA 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	301.49	28.57
10 28 13 13-0187 EA 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	322.84	28.57
10 28 13 13-0188 EA 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	355.78	28.57
10 28 13 13-0189 EA 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	445.43	28.57
10 28 13 13-0190 EA 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	608.75	28.57
10 28 13 13-0191 EA 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	249.64	28.57
10 28 13 13-0192 Changing Stations (10 28 13 13-0001)		
10 28 13 13-0193 EA Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	471.63	38.10
10 28 13 13-0194 EA Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	498.93	38.10
10 28 13 13-0195 EA Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	414.40	38.10
10 28 13 13-0196 EA Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,959.99	38.10
10 28 13 13-0197 EA Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	2,279.63	38.10
10 28 13 13-0198 EA Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,959.99	38.10
10 28 13 13-0199 EA Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	2,279.63	38.10
10 28 13 13-0200 Folding Shower Seats (10 28 13 13-0001)		
10 28 13 13-0201 EA 33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	595.61	50.80
10 28 13 13-0202 EA 33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	773.72	50.80
10 28 13 13-0203 EA 30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	1,700.10	50.80
10 28 13 13-0204 EA 33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	3,738.23	
10 28 13 13-0205 Soap/Dish Holders (10 28 13 13-0001)		
10 28 13 13-0206 EA Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	69.39	28.57
10 28 13 13-0207 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	72.16	28.57
10 28 13 13-0208 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	122.15	28.57
10 28 13 13-0209 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	132.05	28.57
10 28 13 13-0210 Shower Curtains/Curtain Rods (10 28 13 13-0001)		
10 28 13 13-0211 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	3.42	1.27
10 28 13 13-0212 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)..... Note: Requires 7 curtain hooks.	53.95	12.70
10 28 13 13-0213 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)..... Note: Requires 12 curtain hooks.	56.36	12.70
10 28 13 13-0214 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	97.01	28.57
10 28 13 13-0215 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	103.24	28.57
10 28 13 13-0216 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	110.87	28.57
10 28 13 13-0217 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	120.20	28.57
10 28 13 13-0218 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	86.27	28.57
10 28 13 13-0219 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	93.62	28.57
10 28 13 13-0220 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60).....	97.86	28.57
10 28 13 13-0221 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72).....	103.24	28.57
10 28 13 13-0222 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	89.38	28.57
10 28 13 13-0223 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	95.60	28.57
10 28 13 13-0224 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	102.94	28.57
10 28 13 13-0225 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	108.04	28.57
10 28 13 13-0226 Hand Dryers (10 28 13 13-0001)		
10 28 13 13-0227 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710).....	576.15	38.51
10 28 13 13-0228 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V).....	617.69	38.51
10 28 13 13-0229 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V).....	680.46	38.51

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0230 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	948.41	38.51
10 28 13 13-0231 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A).....	963.14	38.51
10 28 13 13-0232 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	1,073.90	38.51
10 28 13 13-0233 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60).....	1,904.09	38.51
10 28 13 13-0234 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	1,979.83	38.51
10 28 13 13-0235 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,060.61	38.51
10 28 13 13-0236 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	1,220.87	38.51
10 28 13 13-0237 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12).....	1,777.60	38.51
10 28 13 13-0238 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14).....	2,967.82	38.51
10 28 13 13-0239 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9).....	1,324.04	38.51
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0240 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	1,396.04	38.51
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0241 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG).....	1,437.19	38.51
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0242 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C).....	1,478.33	38.51
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0243 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS).....	1,560.62	38.51
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0244 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9).....	1,077.16	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0245 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	1,149.16	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0246 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	1,190.31	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0247 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	1,231.46	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0248 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	1,313.75	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0249 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	1,077.16	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0250 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	1,149.16	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0251 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	1,190.31	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0252 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	1,231.46	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0253 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7- SS).....	1,313.75	38.51
Note: Electronically adjustable sound and speed.		
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	789.14	38.51
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	861.14	38.51
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	902.29	38.51
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	943.43	38.51
10 28 13 13-0258 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	1,025.73	38.51
10 28 13 13-0259 EA Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	789.14	38.51
10 28 13 13-0260 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	861.14	38.51
10 28 13 13-0261 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	902.29	38.51
10 28 13 13-0262 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	943.43	38.51
10 28 13 13-0263 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,025.73	38.51
10 28 13 13-0264 EA Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	583.41	38.51
10 28 13 13-0265 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	655.41	38.51
10 28 13 13-0266 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	737.70	38.51
10 28 13 13-0267 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)		
Note: With or without noise reduction nozzle options.		
10 28 13 13-0268 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,105.97	38.51
For ADA-Compliant Recess Kit, Add	183.76	



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0269 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,542.48	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0270 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,291.33	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0271 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	1,605.27	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0272 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	1,385.51	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0273 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,699.45	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0274 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	1,385.51	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0275 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,699.45	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0276 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	1,291.33	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0277 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,605.27	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0278 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	1,165.75	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0279 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,479.69	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0280 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	1,105.97	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0281 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO).....	1,542.48	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0282 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	1,291.33	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0283 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	1,605.27	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0284 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,385.51	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0285 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,699.45	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0286 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,385.51	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0287 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,699.45	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0288 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,291.33	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0289 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	1,605.27	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0290 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,165.75	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0291 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	1,479.69	38.51
<i>For ADA-Compliant Recess Kit, Add</i>	183.76	
10 28 13 13-0292 Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0293 Hooks (10 28 13 13-0292)		
10 28 13 13-0294 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	34.72	12.70
10 28 13 13-0295 EA Single Stainless Steel Robe Hook (Bobrick B-233)	40.94	12.70
10 28 13 13-0296 EA Single Stainless Steel Robe Hook (Bobrick B-7671)	35.28	12.70
10 28 13 13-0297 EA Double Stainless Steel Robe Hook (Bobrick B-7672).....	38.06	12.70
10 28 13 13-0298 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	61.29	12.70
10 28 13 13-0299 EA Single Stainless Steel Robe Hook (Bobrick B-6717)	55.63	12.70
10 28 13 13-0300 Clotheslines (10 28 13 13-0292)		
10 28 13 13-0301 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	60.70	25.39

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0302 Towel Bars <small>(10 28 13 13-0292)</small>		
10 28 13 13-0303 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	75.09	28.57
10 28 13 13-0304 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	75.31	28.57
10 28 13 13-0305 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	83.60	28.57
10 28 13 13-0306 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	84.39	28.57
10 28 13 13-0307 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	120.76	28.57
10 28 13 13-0308 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	125.56	28.57
10 28 13 13-0309 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	124.44	28.57
10 28 13 13-0310 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	128.39	28.57
10 28 13 13-0311 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	135.47	28.57
10 28 13 13-0312 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	139.67	28.57
10 28 13 13-0313 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	104.65	28.57
10 28 13 13-0314 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	108.32	28.57
10 28 13 13-0315 Towel Bar With Shelf <small>(10 28 13 13-0292)</small>		
10 28 13 13-0316 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	228.19	28.57
10 28 13 13-0317 Towel Pins <small>(10 28 13 13-0292)</small>		
10 28 13 13-0318 EA Stainless Steel Towel Pin (Bobrick B-677).....	59.32	12.70
10 28 13 13-0319 Mirrors <small>(10 28 13 13)</small>		
10 28 13 13-0320 Stainless Steel Channel Frame Glass Mirrors <small>(10 28 13 13-0319)</small>		
10 28 13 13-0321 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24).....	125.66	31.75
10 28 13 13-0322 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	141.01	31.75
10 28 13 13-0323 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	146.32	31.75
<i>For Tempered Glass (B-1658), Add</i>	44.65	
10 28 13 13-0324 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	157.22	31.75
<i>For Tempered Glass (B-1658), Add</i>	52.28	
10 28 13 13-0325 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	171.21	31.75
10 28 13 13-0326 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	177.09	31.75
<i>For Tempered Glass (B-1658), Add</i>	66.19	
10 28 13 13-0327 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	215.69	31.75
10 28 13 13-0328 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	247.30	31.75
10 28 13 13-0329 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36).....	295.61	31.75
10 28 13 13-0330 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	368.99	31.75
10 28 13 13-0331 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36).....	413.57	31.75
10 28 13 13-0332 Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0319)</small>		
10 28 13 13-0333 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	222.96	31.75
10 28 13 13-0334 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	239.47	31.75
10 28 13 13-0335 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	250.38	31.75
10 28 13 13-0336 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	281.15	31.75
10 28 13 13-0337 Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0319)</small>		
10 28 13 13-0338 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	199.71	31.75
10 28 13 13-0339 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	217.93	31.75
<i>For Tempered Glass (B-2908), Add</i>	89.36	
10 28 13 13-0340 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	224.08	31.75
<i>For Tempered Glass (B-2908), Add</i>	93.42	
10 28 13 13-0341 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	260.45	31.75
10 28 13 13-0342 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	261.85	31.75
<i>For Tempered Glass (B-2908), Add</i>	118.34	
10 28 13 13-0343 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	346.04	31.75
10 28 13 13-0344 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	404.79	31.75
10 28 13 13-0345 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	459.62	31.75
10 28 13 13-0346 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	310.29	31.75
10 28 13 13-0347 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	375.67	31.75
10 28 13 13-0348 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	569.02	31.75
10 28 13 13-0349 Stainless Steel Angle Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0319)</small>		
10 28 13 13-0350 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	206.09	31.75
10 28 13 13-0351 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	394.99	31.75
10 28 13 13-0352 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	413.47	31.75
10 28 13 13-0353 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	459.62	31.75
10 28 13 13-0354 Frameless Stainless Steel Mirrors <small>(10 28 13 13-0319)</small>		



Specialties	10
Interior Specialties	10 20
Toilet, Bath, and Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0355 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	222.41	31.75
10 28 13 13-0356 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	284.21	31.75
10 28 13 13-0357 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0319)		
10 28 13 13-0358 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	298.21	31.75
10 28 13 13-0359 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	310.24	31.75
10 28 13 13-0360 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	373.18	31.75
10 28 13 13-0361 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	456.26	31.75
10 28 13 13-0362 Medicine Cabinets (10 28 13 13)		
10 28 13 13-0363 Metal Medicine Cabinets (10 28 13 13-0362)		
10 28 13 13-0364 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	687.78	63.49
10 28 13 13-0365 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	269.91	63.49
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0366 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	277.96	63.49
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0367 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	584.70	63.49
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0368 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299).....	795.32	63.49
Note: Includes four adjustable shelves.		
10 28 13 13-0369 Janitorial Material (10 28 13 13)		
10 28 13 13-0370 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	55.63	12.70
10 28 13 13-0371 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	143.66	28.57
10 28 13 13-0372 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	138.58	28.57
10 28 13 13-0373 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1).....	156.48	28.57
10 28 13 13-0374 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	174.19	28.57
10 28 13 13-0375 EA 36" Length, Utility Hook Strip (Gamco HCS-2)	118.70	28.57
10 28 13 13-0376 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	317.24	28.57
10 28 13 13-0377 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	453.80	28.57
10 28 13 13-0378 Removal And Reinstallation Of Bathroom Accessories (10 28 13 13)		
10 28 13 13-0379 EA Removal And Reinstallation Of Bathroom Accessory	39.69	
10 28 13 19 Healthcare Toilet Accessories (10 28 13)		
10 28 13 19-0001 Healthcare Toilet Accessories (10 28 13 19)		
10 28 13 19-0002 EA Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	202.77	39.75
10 28 13 19-0003 EA Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	726.65	39.75
10 28 13 19-0004 EA Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	259.84	105.78
10 28 13 63 Detention Toilet Accessories (10 28 13)		
10 28 13 63-0001 Ligature Resistant, Stainless Steel Grab Bar (10 28 13 63)		
10 28 13 63-0002 EA 18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180).....	204.64	25.39
10 28 13 63-0003 EA 24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240).....	213.63	25.39
10 28 13 63-0004 EA 36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360).....	219.61	25.39
10 28 13 63-0005 EA 42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420).....	242.55	25.39
10 28 13 63-0006 EA 60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600).....	486.54	25.39
10 28 16 Bath Accessories (10 28)		
10 28 16 13 Residential Bath Accessories (10 28 16)		
10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)		
10 28 16 13-0002 Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0003 EA Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	121.11	28.57
10 28 16 13-0004 EA Recessed Mounted, Chrome Plated Soap Dish.....	170.78	28.57
10 28 16 13-0005 EA Recessed Mounted, Chrome Plated Soap Dish And Bar.....	180.88	28.57
10 28 16 13-0006 EA Recessed Mounted, Chrome Plated Tumbler Holder	125.39	28.57
10 28 16 13-0007 Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0008 EA Surface Mounted, Chrome Plated Soap Dish	78.44	19.05
10 28 16 13-0009 EA Surface Mounted, Chrome Plated Single Clothes Hook	89.70	19.05
10 28 16 13-0010 EA Surface Mounted, Chrome Plated Double Clothes Hook.....	89.70	19.05

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0011 LF 6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	177.47	19.05
10 28 16 13-0012 LF 6" Deep, Surface Mounted, Stainless Steel Shelf	149.15	19.05
10 28 16 13-0013 EA 18" Length, Surface Mounted, Chrome Plated Towel Bar	101.24	25.39
10 28 16 13-0014 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar	102.50	25.39
10 28 16 13-0015 EA Surface Mounted, Chrome Plated Towel Ring	75.66	19.05
10 28 16 13-0016 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	65.73	12.70
10 28 16 13-0017 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	78.44	19.05
10 28 16 13-0018 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	153.92	19.05
10 28 16 13-0019 EA Surface Mounted, Chrome Plated Globe Soap Dispenser	93.59	19.05
10 28 16 13-0020 EA Surface Mounted, Chrome Plated Towel Pin	98.69	12.70
10 28 16 13-0021 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf	295.69	19.05
10 28 16 13-0022 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	143.62	19.05
10 28 16 13-0023 EA 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	91.48	19.05
10 28 16 13-0024 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025 EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	530.02	63.49
10 28 16 13-0026 EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	656.36	63.49
10 28 16 13-0027 EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	561.48	63.49
10 28 16 13-0028 EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	699.28	63.49
10 28 16 13-0029 EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	581.33	63.49
10 28 16 13-0030 EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	736.98	63.49
10 28 16 13-0031 EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	608.57	63.49
10 28 16 13-0032 EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	783.06	63.49
10 28 16 13-0033 Residential Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0034 EA Surface Mounted Plastic Paper Towel Dispenser	117.59	28.57
10 28 16 13-0035 EA Surface Mounted Plastic Napkin Disposal	104.25	28.57
10 28 16 13-0036 EA 50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	108.96	
10 28 16 13-0037 EA 50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	123.09	28.57
10 28 16 13-0038 EA Multi Roll (2) Plastic Toilet Tissue Dispenser	117.63	28.57
10 28 16 13-0039 EA Single Jumbo Roll Plastic Toilet Tissue Dispenser	144.11	34.92
10 28 16 13-0040 EA Surface Mounted Plastic Toilet Seat Cover Dispenser	80.67	25.39
10 28 16 13-0041 EA 13 Gallon Plastic Waste Door For Countertops	275.79	47.62
10 28 19 Tub and Shower Enclosures (10 28)		
10 28 19 16 Shower Doors (10 28 19)		
10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)		
10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)		
10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	521.00	76.57
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	545.10	38.28
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	645.06	38.28
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	542.53	38.28
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	576.67	38.28
10 28 19 16-0008 Frameless, Swinging Shower Doors (10 28 19 16-0001)		
10 28 19 16-0009 EA 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	778.12	38.28
10 28 19 16-0010 EA 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	811.53	38.28
10 28 19 16-0011 EA 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	842.98	38.28
10 28 19 16-0012 EA 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	876.39	38.28
10 28 19 16-0013 EA 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	908.82	38.28
10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)		
10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)		
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	856.26	38.28
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	788.65	38.28
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	806.86	38.28
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	826.23	38.28
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	837.04	38.28



Specialties	10
Interior Specialties	10 20
Toilet, Bath, and Laundry Accessories	10 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0021	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	853.03	38.28
10 28 19 16-0022			Frameless, Sliding Shower Doors (10 28 19 16-0014)		
10 28 19 16-0023	EA		40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335).....	885.87	38.28
10 28 19 16-0024	EA		44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345).....	1,069.81	38.28
10 28 19 16-0025	EA		56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394).....	1,131.72	38.28
10 28 19 16-0026	EA		40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330).....	1,026.70	38.28
10 28 19 16-0027	EA		44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370).....	1,040.25	38.28
10 28 19 16-0028	EA		56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390).....	1,166.24	38.28
10 28 19 19			Tub Doors (10 28 19)		
10 28 19 19-0001			Sliding Bathtub Doors (10 28 19 19)		
10 28 19 19-0002			Framed, Sliding Bathtub Doors (10 28 19 19-0001)		
10 28 19 19-0003	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	768.32	38.28
10 28 19 19-0004	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	776.11	38.28
10 28 19 19-0005	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	793.73	38.28

10 40 Safety Specialties (10)

10 41 Emergency Access And Information Cabinets (10 40)

10 41 13 Fire Department Plan Cabinets (10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)

10 41 13 00-0002	EA		18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,703.28	41.28
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	59.74	
			<i>For Swing Key Hook Panel, Add</i>	158.74	
			<i>For Non-Locking Weather Housing, Add</i>	399.21	
10 41 13 00-0003	EA		18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,805.86	41.28
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	59.74	
			<i>For Swing Key Hook Panel, Add</i>	158.74	
			<i>For Second Swing Key Hook Panel, Add</i>	125.74	
			<i>For Non-Locking Weather Housing, Add</i>	399.21	

10 41 16 Emergency Key Cabinets (10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)

10 41 16 00-0002	EA		Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	851.81	41.28
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA		5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	749.23	41.28
			<i>For Lift-Off Door, Deduct</i>	-40.00	
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	63.68	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA		6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	1,000.56	41.28
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	63.68	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA		7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	1,064.68	41.28
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	63.68	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**10 44 Fire Protection Specialties** (10 40)**10 44 13 Fire Protection Cabinets** (10 44)10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	401.63	52.07
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	408.06	52.07
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	409.34	52.07
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	449.22	52.07
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	553.41	52.07
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	567.56	52.07

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	415.51	52.07
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	421.90	52.07
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	432.54	52.07
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	450.64	52.07
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	506.56	52.07
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	523.60	52.07

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	552.11	52.07
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	565.26	52.07
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	571.83	52.07
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	616.75	52.07
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	707.18	52.07
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	734.56	52.07

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,613.76	52.07
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,625.66	52.07
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,868.32	52.07

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets

(10 44 13 00-0002)

Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	485.23	52.07
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	534.11	52.07

10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	436.36	52.07
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	449.22	52.07
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	450.50	52.07
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	494.24	52.07
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	581.71	52.07
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	595.85	52.07

10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	462.92	52.07
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	478.89	52.07
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	488.47	52.07
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	506.56	52.07
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	569.37	52.07
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	584.27	52.07

10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets

(10 44 13 00-0031)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	609.68	52.07
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	625.02	52.07
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	631.59	52.07
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	665.55	52.07
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	749.90	52.07



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	768.52	52.07
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	2,037.54	52.07
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	2,047.52	52.07
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	2,348.93	52.07
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	531.54	52.07
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	577.85	52.07
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	426.07	52.07
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	433.78	52.07
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	495.52	52.07
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	571.42	52.07
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	592.00	52.07
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	564.05	52.07
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	577.89	52.07
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	608.76	52.07
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	669.43	52.07
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	694.98	52.07
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	704.99	52.07
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	725.80	52.07
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	777.29	52.07
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	876.97	52.07
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	907.65	52.07
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	2,339.52	52.07
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	2,638.62	52.07
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	503.24	52.07
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	559.84	52.07
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	757.93	52.07
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small>		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism	41.63	15.87
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets	38.17	15.87
10 44 13 00-0089 EA Replacement Of Standard Pull Handle	36.07	
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	107.93	31.75
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	229.48	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	252.43	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	344.22	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	470.43	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	550.75	
10 44 13 00-0096 EA Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	133.10	
10 44 13 00-0097 EA Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	137.69	
10 44 13 00-0098 EA Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	183.58	
10 44 13 00-0099 EA Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	332.75	
10 44 13 00-0100 EA Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	337.34	
10 44 13 00-0101 EA Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	107.94	
10 44 13 00-0102 EA Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	113.34	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0103 EA Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	152.92	
10 44 13 00-0104 EA Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	269.85	
10 44 13 00-0105 EA Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	273.45	
10 44 13 00-0106 Fire Hose Cabinets (10 44 13)		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107 Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	722.46	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	733.14	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	742.04	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	750.95	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	761.63	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	790.09	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	799.00	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	826.86	202.85
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	846.66	202.85
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	849.23	202.85
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	857.46	202.85
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	868.26	202.85
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	898.85	202.85
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	929.45	202.85
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,061.76	202.85
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,164.20	202.85
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,174.06	202.85
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,205.58	202.85
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,215.43	202.85
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,266.65	202.85
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,317.88	202.85
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0132 Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	750.95	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0135 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	761.63	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0136 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	770.51	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0137 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	781.19	202.85
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0138 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	790.09	202.85
For Solid Steel Door, Deduct	-8.60	



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0139	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	818.56 -8.60	202.85
10 44 13 00-0140	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	829.24 -8.60	202.85
10 44 13 00-0141			Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	846.66 6.50	202.85
10 44 13 00-0143	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	868.26 6.50	202.85
10 44 13 00-0144	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	871.34 6.50	202.85
10 44 13 00-0145	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	877.26 6.50	202.85
10 44 13 00-0146	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	888.05 6.50	202.85
10 44 13 00-0147	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	918.65 6.50	202.85
10 44 13 00-0148	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	949.25 6.50	202.85
10 44 13 00-0149			Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small> Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,122.83 -7.70	202.85
10 44 13 00-0151	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,235.13 -7.70	202.85
10 44 13 00-0152	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,244.98 -7.70	202.85
10 44 13 00-0153	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,276.50 -7.70	202.85
10 44 13 00-0154	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,286.35 -7.70	202.85
10 44 13 00-0155	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,337.58 -7.70	202.85
10 44 13 00-0156	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,388.80 -7.70	202.85
10 44 13 00-0157			Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0158			Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small> Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	761.63 -8.60	202.85
10 44 13 00-0160	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	770.51 -8.60	202.85
10 44 13 00-0161	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	781.19 -8.60	202.85
10 44 13 00-0162	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	790.09 -8.60	202.85
10 44 13 00-0163	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	799.00 -8.60	202.85
10 44 13 00-0164	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	829.24 -8.60	202.85
10 44 13 00-0165	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	838.14 -8.60	202.85
10 44 13 00-0166			Aluminum Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small> Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	898.85 6.50	202.85
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	918.65 6.50	202.85
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	923.79 6.50	202.85
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	929.45 6.50	202.85
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	938.45 6.50	202.85
10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	970.85 6.50	202.85
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	990.65 6.50	202.85

10	10 Specialties
	10 40 Safety Specialties
	10 44 Fire Protection Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 44 13 00-0174	Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
	Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,205.58	202.85
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,532.63	202.85
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,615.37	202.85
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,635.07	202.85
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,654.78	202.85
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,737.52	202.85
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,839.97	202.85
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	

10 44 16 Fire Extinguishers (10 44)

10 44 16 13 Portable Fire Extinguishers (10 44 16)

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001	Carbon Dioxide Type, Class BC Portable Fire Extinguisher <small>(10 44 16 13)</small>		
10 44 16 13-0002	EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	225.79	16.50
	<i>For >5 To 10, Deduct</i>	-7.06	
	<i>For >10, Deduct</i>	-14.11	
	<i>For Placement In Cabinet, Deduct</i>	-42.33	
10 44 16 13-0003	EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	330.93	19.05
	<i>For >5 To 10, Deduct</i>	-11.66	
	<i>For >10, Deduct</i>	-23.32	
	<i>For Placement In Cabinet, Deduct</i>	-48.85	
10 44 16 13-0004	EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	430.45	24.13
	<i>For >5 To 10, Deduct</i>	-15.17	
	<i>For >10, Deduct</i>	-30.35	
	<i>For Placement In Cabinet, Deduct</i>	-63.50	
10 44 16 13-0005	EA 15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	529.88	30.47
	<i>For >5 To 10, Deduct</i>	-18.56	
	<i>For >10, Deduct</i>	-37.12	
	<i>For Placement In Cabinet, Deduct</i>	-79.37	
10 44 16 13-0006	EA 20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	590.52	30.47
	<i>For >5 To 10, Deduct</i>	-21.59	
	<i>For >10, Deduct</i>	-43.18	
	<i>For Placement In Cabinet, Deduct</i>	-79.37	
10 44 16 13-0007	EA 50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,907.80	48.25
	<i>For >5 To 10, Deduct</i>	-82.69	
	<i>For >10, Deduct</i>	-165.38	
10 44 16 13-0008	EA 100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	3,751.15	48.25
	<i>For >5 To 10, Deduct</i>	-174.86	
	<i>For >10, Deduct</i>	-349.72	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)

10 44 16 13-0010	EA 2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	138.47	16.50
	<i>For >5 To 10, Deduct</i>	-2.69	
	<i>For >10, Deduct</i>	-5.38	
	<i>For Placement In Cabinet, Deduct</i>	-42.33	
10 44 16 13-0011	EA 5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	174.01	19.05
	<i>For >5 To 10, Deduct</i>	-3.82	
	<i>For >10, Deduct</i>	-7.63	
	<i>For Placement In Cabinet, Deduct</i>	-48.85	
10 44 16 13-0012	EA 10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	248.49	24.13
	<i>For >5 To 10, Deduct</i>	-6.08	
	<i>For >10, Deduct</i>	-12.15	
	<i>For Placement In Cabinet, Deduct</i>	-63.50	
10 44 16 13-0013	EA 20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	349.95	30.47
	<i>For >5 To 10, Deduct</i>	-9.56	
	<i>For >10, Deduct</i>	-19.12	
	<i>For Placement In Cabinet, Deduct</i>	-79.37	
10 44 16 13-0014	EA 50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,289.11	48.25
	<i>For >5 To 10, Deduct</i>	-101.76	
	<i>For >10, Deduct</i>	-203.51	
10 44 16 13-0015	EA 125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	3,403.69	48.25
	<i>For >5 To 10, Deduct</i>	-157.49	
	<i>For >10, Deduct</i>	-314.97	

10 44 16 13-0016 Other Portable Fire Extinguishers (10 44 16 13)

10 44 16 13-0017	EA 2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher	254.22	19.05
	Note: Stainless steel.		
	<i>For >5 To 10, Deduct</i>	-7.83	
	<i>For >10, Deduct</i>	-15.65	
	<i>For Placement In Cabinet, Deduct</i>	-48.85	



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0018 EA 1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. For >5 To 10, Deduct For >10, Deduct For Placement In Cabinet, Deduct	384.64 -11.30 -22.59 -79.37	30.47
10 44 16 13-0019 EA 2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. For >5 To 10, Deduct For >10, Deduct For Placement In Cabinet, Deduct	409.24 -12.53 -25.05 -79.37	30.47
10 44 16 13-0020 EA 30 LB Dry Powder, Class D Portable Fire Extinguisher..... Note: Yellow steel. For >5 To 10, Deduct For >10, Deduct	579.25 -21.03 -42.05	30.47
10 44 16 13-0021 Fire Extinguisher Backboards (10 44 16 13)		
10 44 16 13-0022 Fire Extinguisher Backboards (10 44 16 13-0021) Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023 EA Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	133.14	21.74
10 44 16 13-0024 EA Relocate Fire Extinguisher Wood Backboard, Any Size..... Note: Includes storage and cleaning.	191.82	
10 44 16 13-0025 Inspections And Testing (10 44 16 13)		
10 44 16 13-0026 EA On Site Fire Extinguisher Annual Inspection (Tag).....	11.28	
10 44 16 13-0027 EA On Site Fire Extinguisher Hydrotest.....	16.59	
10 44 19 Fire Blankets (10 44)		
10 44 19 00-0001 EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)..... Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	486.33	52.07
10 44 19 00-0002 EA Drop Type Fire Blanket Cabinet (JL Industries 2FB)..... Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	364.13	52.07

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10 51 13 00-0001 Institutional And Corridor Lockers (10 51 13) Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002 Single Tier Institutional Or Corridor Locker (10 51 13 00-0001) Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003 EA 12" x 12" x 60" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	274.07 -9.77 -20.71 -31.66 15.63	39.36
10 51 13 00-0004 EA 12" x 15" x 60" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	284.42 -10.28 -21.75 -33.21 16.45	39.36
10 51 13 00-0005 EA 12" x 18" x 60" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	298.57 -10.99 -23.16 -35.34 17.59	39.36
10 51 13 00-0006 EA 12" x 12" x 72" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	298.08 -10.84 -22.90 -34.96 17.34	40.64
10 51 13 00-0007 EA 12" x 15" x 72" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	306.66 -11.27 -23.76 -36.25 18.03	40.64
10 51 13 00-0008 EA 12" x 18" x 72" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	315.03 -11.69 -24.60 -37.50 18.70	40.64
10 51 13 00-0009 EA 15" x 15" x 72" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	329.47 -12.41 -26.04 -39.67 19.86	40.64

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0010	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	343.76	40.64
			<i>For >25 To 50, Deduct</i>	-13.12	
			<i>For >50 To 100, Deduct</i>	-27.47	
			<i>For >100, Deduct</i>	-41.81	
			<i>For 14 Gauge Doors, Add</i>	21.00	
10 51 13 00-0011	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	358.90	40.64
			<i>For >25 To 50, Deduct</i>	-13.88	
			<i>For >50 To 100, Deduct</i>	-28.98	
			<i>For >100, Deduct</i>	-44.08	
			<i>For 14 Gauge Doors, Add</i>	22.21	
10 51 13 00-0012	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	372.87	40.64
			<i>For >25 To 50, Deduct</i>	-14.58	
			<i>For >50 To 100, Deduct</i>	-30.38	
			<i>For >100, Deduct</i>	-46.18	
			<i>For 14 Gauge Doors, Add</i>	23.33	
10 51 13 00-0013	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	500.57	40.64
			<i>For >25 To 50, Deduct</i>	-20.97	
			<i>For >50 To 100, Deduct</i>	-43.15	
			<i>For >100, Deduct</i>	-65.33	
			<i>For 14 Gauge Doors, Add</i>	33.54	
10 51 13 00-0014			Two Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	322.24	40.64
			<i>For >25 To 50, Deduct</i>	-12.05	
			<i>For >50 To 100, Deduct</i>	-25.32	
			<i>For >100, Deduct</i>	-38.58	
			<i>For 14 Gauge Doors, Add</i>	26.51	
10 51 13 00-0016	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	328.76	40.64
			<i>For >25 To 50, Deduct</i>	-12.37	
			<i>For >50 To 100, Deduct</i>	-25.97	
			<i>For >100, Deduct</i>	-39.56	
			<i>For 14 Gauge Doors, Add</i>	27.22	
10 51 13 00-0017	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	335.33	40.64
			<i>For >25 To 50, Deduct</i>	-12.70	
			<i>For >50 To 100, Deduct</i>	-26.63	
			<i>For >100, Deduct</i>	-40.55	
			<i>For 14 Gauge Doors, Add</i>	27.95	
10 51 13 00-0018	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	336.76	41.91
			<i>For >25 To 50, Deduct</i>	-12.65	
			<i>For >50 To 100, Deduct</i>	-26.55	
			<i>For >100, Deduct</i>	-40.46	
			<i>For 14 Gauge Doors, Add</i>	27.82	
10 51 13 00-0019	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	351.01	41.91
			<i>For >25 To 50, Deduct</i>	-13.36	
			<i>For >50 To 100, Deduct</i>	-27.98	
			<i>For >100, Deduct</i>	-42.59	
			<i>For 14 Gauge Doors, Add</i>	29.39	
10 51 13 00-0020	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	359.62	41.91
			<i>For >25 To 50, Deduct</i>	-13.79	
			<i>For >50 To 100, Deduct</i>	-28.84	
			<i>For >100, Deduct</i>	-43.88	
			<i>For 14 Gauge Doors, Add</i>	30.34	
10 51 13 00-0021	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	371.95	41.91
			<i>For >25 To 50, Deduct</i>	-14.41	
			<i>For >50 To 100, Deduct</i>	-30.07	
			<i>For >100, Deduct</i>	-45.73	
			<i>For 14 Gauge Doors, Add</i>	31.69	
10 51 13 00-0022	EA		15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	384.34	41.91
			<i>For >25 To 50, Deduct</i>	-15.03	
			<i>For >50 To 100, Deduct</i>	-31.31	
			<i>For >100, Deduct</i>	-47.59	
			<i>For 14 Gauge Doors, Add</i>	33.06	
10 51 13 00-0023	EA		18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	440.39	41.91
			<i>For >25 To 50, Deduct</i>	-17.83	
			<i>For >50 To 100, Deduct</i>	-36.91	
			<i>For >100, Deduct</i>	-56.00	
			<i>For 14 Gauge Doors, Add</i>	39.22	
10 51 13 00-0024	EA		18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	450.57	41.91
			<i>For >25 To 50, Deduct</i>	-18.34	
			<i>For >50 To 100, Deduct</i>	-37.93	
			<i>For >100, Deduct</i>	-57.53	
			<i>For 14 Gauge Doors, Add</i>	40.34	
10 51 13 00-0025			Three Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
			Note: Includes one double hook per tier.		
10 51 13 00-0026	EA		12" x 12" x 72" Three Tier Institutional Or Corridor Locker.....	377.13	43.18
			<i>For >25 To 50, Deduct</i>	-14.54	
			<i>For >50 To 100, Deduct</i>	-30.37	
			<i>For >100, Deduct</i>	-46.21	
			<i>For 14 Gauge Doors, Add</i>	43.62	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0027 EA 12" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	383.83 -14.87 -31.04 -47.21 44.62	43.18
10 51 13 00-0028 EA 12" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	407.62 -16.06 -33.42 -50.78 48.19	43.18
10 51 13 00-0029 EA 15" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	430.41 -17.20 -35.70 -54.20 51.61	43.18
10 51 13 00-0030 EA 15" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	448.55 -18.11 -37.52 -56.92 54.33	43.18
10 51 13 00-0031 Four Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0032 EA 12" x 12" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.73 -14.09 -29.52 -44.94	44.44
10 51 13 00-0033 EA 12" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	382.41 -14.68 -30.68 -46.69	44.44
10 51 13 00-0034 EA 12" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	401.21 -15.62 -32.56 -49.51	44.44
10 51 13 00-0035 EA 15" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	416.25 -16.37 -34.07 -51.77	44.44
10 51 13 00-0036 EA 15" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	437.91 -17.45 -36.23 -55.02	44.44
10 51 13 00-0037 Six Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0038 EA 12" x 12" x 72" Six Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	402.65 -15.56 -32.49 -49.43	45.72
10 51 13 00-0039 EA 12" x 15" x 72" Six Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	411.66 -16.01 -33.39 -50.78	45.72
10 51 13 00-0040 EA 12" x 18" x 72" Six Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	428.67 -16.86 -35.10 -53.33	45.72
10 51 13 00-0041 Locker And Coat Rack Combination (10 51 13 00-0001)		
10 51 13 00-0042 EA 45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	730.75	30.47
10 51 13 00-0043 EA 72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,172.30	63.49
10 51 13 00-0044 All-Welded Steel Lockers (10 51 13)		
10 51 13 00-0045 All-Welded Steel Lockers (10 51 13 00-0044) Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046 Single Tier, All-Welded Steel Lockers (10 51 13 00-0045) Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047 EA 12" x 12" x 48" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	171.87 -7.01 -14.49 -21.97	22.23
10 51 13 00-0048 EA 12" x 15" x 48" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	180.14 -7.42 -15.32 -23.21	22.23

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0049 EA 12" x 18" x 48" Single Tier, All-Welded Steel Locker	188.10	22.23
For>25 To 50, Deduct	-7.82	
For>50 To 100, Deduct	-16.11	
For>100, Deduct	-24.41	
10 51 13 00-0050 EA 12" x 12" x 60" Single Tier, All-Welded Steel Locker	178.70	22.23
For>25 To 50, Deduct	-7.35	
For>50 To 100, Deduct	-15.17	
For>100, Deduct	-23.00	
10 51 13 00-0051 EA 12" x 15" x 60" Single Tier, All-Welded Steel Locker	186.66	22.23
For>25 To 50, Deduct	-7.75	
For>50 To 100, Deduct	-15.97	
For>100, Deduct	-24.19	
10 51 13 00-0052 EA 12" x 18" x 60" Single Tier, All-Welded Steel Locker	194.62	22.23
For>25 To 50, Deduct	-8.14	
For>50 To 100, Deduct	-16.76	
For>100, Deduct	-25.38	
10 51 13 00-0053 EA 12" x 12" x 72" Single Tier, All-Welded Steel Locker	189.23	24.45
For>25 To 50, Deduct	-7.72	
For>50 To 100, Deduct	-15.95	
For>100, Deduct	-24.19	
10 51 13 00-0054 EA 12" x 15" x 72" Single Tier, All-Welded Steel Locker	196.60	24.45
For>25 To 50, Deduct	-8.08	
For>50 To 100, Deduct	-16.69	
For>100, Deduct	-25.30	
10 51 13 00-0055 EA 12" x 18" x 72" Single Tier, All-Welded Steel Locker	204.57	24.45
For>25 To 50, Deduct	-8.48	
For>50 To 100, Deduct	-17.49	
For>100, Deduct	-26.50	
10 51 13 00-0056 EA 15" x 15" x 72" Single Tier, All-Welded Steel Locker	212.01	24.45
For>25 To 50, Deduct	-8.85	
For>50 To 100, Deduct	-18.23	
For>100, Deduct	-27.61	
10 51 13 00-0057 EA 15" x 18" x 72" Single Tier, All-Welded Steel Locker	218.15	24.45
For>25 To 50, Deduct	-9.16	
For>50 To 100, Deduct	-18.85	
For>100, Deduct	-28.53	
10 51 13 00-0058 EA 18" x 18" x 72" Single Tier, All-Welded Steel Locker	226.61	24.45
For>25 To 50, Deduct	-9.58	
For>50 To 100, Deduct	-19.69	
For>100, Deduct	-29.80	
10 51 13 00-0059 EA 18" x 21" x 72" Single Tier, All-Welded Steel Locker	236.13	24.45
For>25 To 50, Deduct	-10.06	
For>50 To 100, Deduct	-20.64	
For>100, Deduct	-31.23	
10 51 13 00-0060 EA 24" x 24" x 72" Single Tier, All-Welded Steel Locker	379.52	24.45
For>25 To 50, Deduct	-17.23	
For>50 To 100, Deduct	-34.98	
For>100, Deduct	-52.74	
10 51 13 00-0061 Two Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0062 EA 12" x 12" x 60" Two Tier, All-Welded Steel Locker	204.51	22.23
For>25 To 50, Deduct	-8.64	
For>50 To 100, Deduct	-17.75	
For>100, Deduct	-26.87	
10 51 13 00-0063 EA 12" x 15" x 60" Two Tier, All-Welded Steel Locker	208.17	22.23
For>25 To 50, Deduct	-8.82	
For>50 To 100, Deduct	-18.12	
For>100, Deduct	-27.42	
10 51 13 00-0064 EA 12" x 18" x 60" Two Tier, All-Welded Steel Locker	217.97	22.23
For>25 To 50, Deduct	-9.31	
For>50 To 100, Deduct	-19.10	
For>100, Deduct	-28.89	
10 51 13 00-0065 EA 12" x 12" x 72" Two Tier, All-Welded Steel Locker	213.78	24.45
For>25 To 50, Deduct	-8.94	
For>50 To 100, Deduct	-18.41	
For>100, Deduct	-27.88	
10 51 13 00-0066 EA 12" x 15" x 72" Two Tier, All-Welded Steel Locker	227.30	24.45
For>25 To 50, Deduct	-9.62	
For>50 To 100, Deduct	-19.76	
For>100, Deduct	-29.90	
10 51 13 00-0067 EA 12" x 18" x 72" Two Tier, All-Welded Steel Locker	234.67	24.45
For>25 To 50, Deduct	-9.99	
For>50 To 100, Deduct	-20.50	
For>100, Deduct	-31.01	
10 51 13 00-0068 EA 15" x 15" x 72" Two Tier, All-Welded Steel Locker	245.17	24.45
For>25 To 50, Deduct	-10.51	
For>50 To 100, Deduct	-21.55	
For>100, Deduct	-32.59	
10 51 13 00-0069 EA 15" x 18" x 72" Two Tier, All-Welded Steel Locker	250.12	24.45
For>25 To 50, Deduct	-10.76	
For>50 To 100, Deduct	-22.04	
For>100, Deduct	-33.33	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0070	EA		18" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	264.37 -11.47 -23.47 -35.47	24.45
10 51 13 00-0071	EA		18" x 21" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	275.41 -12.02 -24.57 -37.12	24.45
10 51 13 00-0072			Three Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small> Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0073	EA		12" x 12" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	251.86 -10.85 -22.22 -33.59	24.45
10 51 13 00-0074	EA		12" x 15" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	257.40 -11.12 -22.77 -34.42	24.45
10 51 13 00-0075	EA		12" x 18" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	262.90 -11.40 -23.32 -35.24	24.45
10 51 13 00-0076	EA		15" x 15" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	275.93 -12.05 -24.62 -37.20	24.45
10 51 13 00-0077	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	278.34 -12.17 -24.87 -37.56	24.45
10 51 13 00-0078			Four Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0079	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	238.73 -10.19 -20.90 -31.62	24.45
10 51 13 00-0080	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	243.96 -10.45 -21.43 -32.40	24.45
10 51 13 00-0081	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	249.15 -10.71 -21.95 -33.18	24.45
10 51 13 00-0082	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	261.41 -11.32 -23.17 -35.02	24.45
10 51 13 00-0083	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	263.64 -11.44 -23.40 -35.36	24.45
10 51 13 00-0084			Six Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0085	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	246.86 -10.60 -21.72 -32.84	24.45
10 51 13 00-0086	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	254.50 -10.98 -22.48 -33.98	24.45
10 51 13 00-0087	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	260.12 -11.26 -23.04 -34.83	24.45
10 51 13 00-0088			All Welded Locker Accessories <small>(10 51 13 00-0044)</small>		
10 51 13 00-0089	EA		ADA Requirements For All Welded Lockers	127.11	
10 51 13 00-0090	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers	206.28	5.08
10 51 13 00-0091	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers	238.96	5.08
10 51 13 00-0092	EA		Recessed Trim For All Welded Lockers.....	145.75	5.08
10 51 13 00-0093	EA		Built In Combination Lock For All Welded Lockers	44.83	5.08
10 51 13 00-0094	EA		Pad Lock For All Welded Lockers.....	40.43	5.08
10 51 13 00-0095			Athletic Lockers <small>(10 51 13)</small> Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0096			Single Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA		12" x 15" x 60" Single Tier Athletic Locker	406.35	40.64
			For>25 To 50, Deduct	-16.25	
			For>50 To 100, Deduct	-33.73	
			For>100, Deduct	-51.20	
10 51 13 00-0098	EA		12" x 18" x 60" Single Tier Athletic Locker	420.07	40.64
			For>25 To 50, Deduct	-16.94	
			For>50 To 100, Deduct	-35.10	
			For>100, Deduct	-53.26	
10 51 13 00-0099	EA		15" x 15" x 60" Single Tier Athletic Locker	428.90	40.64
			For>25 To 50, Deduct	-17.38	
			For>50 To 100, Deduct	-35.98	
			For>100, Deduct	-54.58	
10 51 13 00-0100	EA		15" x 18" x 60" Single Tier Athletic Locker	443.55	40.64
			For>25 To 50, Deduct	-18.11	
			For>50 To 100, Deduct	-37.45	
			For>100, Deduct	-56.78	
10 51 13 00-0101	EA		18" x 18" x 60" Single Tier Athletic Locker	506.78	40.64
			For>25 To 50, Deduct	-21.28	
			For>50 To 100, Deduct	-43.77	
			For>100, Deduct	-66.26	
10 51 13 00-0102	EA		18" x 21" x 60" Single Tier Athletic Locker	557.04	40.64
			For>25 To 50, Deduct	-23.79	
			For>50 To 100, Deduct	-48.80	
			For>100, Deduct	-73.80	
10 51 13 00-0103	EA		18" x 24" x 60" Single Tier Athletic Locker	591.42	40.64
			For>25 To 50, Deduct	-25.51	
			For>50 To 100, Deduct	-52.23	
			For>100, Deduct	-78.96	
10 51 13 00-0104	EA		12" x 15" x 72" Single Tier Athletic Locker	421.58	40.64
			For>25 To 50, Deduct	-17.02	
			For>50 To 100, Deduct	-35.25	
			For>100, Deduct	-53.48	
10 51 13 00-0105	EA		12" x 18" x 72" Single Tier Athletic Locker	446.31	40.64
			For>25 To 50, Deduct	-18.25	
			For>50 To 100, Deduct	-37.72	
			For>100, Deduct	-57.19	
10 51 13 00-0106	EA		15" x 15" x 72" Single Tier Athletic Locker	455.00	40.64
			For>25 To 50, Deduct	-18.69	
			For>50 To 100, Deduct	-38.59	
			For>100, Deduct	-58.50	
10 51 13 00-0107	EA		15" x 18" x 72" Single Tier Athletic Locker	470.87	40.64
			For>25 To 50, Deduct	-19.48	
			For>50 To 100, Deduct	-40.18	
			For>100, Deduct	-60.88	
10 51 13 00-0108	EA		18" x 18" x 72" Single Tier Athletic Locker	510.02	40.64
			For>25 To 50, Deduct	-21.44	
			For>50 To 100, Deduct	-44.09	
			For>100, Deduct	-66.75	
10 51 13 00-0109	EA		18" x 21" x 72" Single Tier Athletic Locker	551.04	40.64
			For>25 To 50, Deduct	-23.49	
			For>50 To 100, Deduct	-48.20	
			For>100, Deduct	-72.90	
10 51 13 00-0110			Two Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0111	EA		12" x 12" x 60" Two Tier Athletic Locker	454.74	41.91
			For>25 To 50, Deduct	-18.55	
			For>50 To 100, Deduct	-38.35	
			For>100, Deduct	-58.15	
10 51 13 00-0112	EA		12" x 15" x 60" Two Tier Athletic Locker	469.35	41.91
			For>25 To 50, Deduct	-19.28	
			For>50 To 100, Deduct	-39.81	
			For>100, Deduct	-60.34	
10 51 13 00-0113	EA		12" x 18" x 60" Two Tier Athletic Locker	485.80	41.91
			For>25 To 50, Deduct	-20.10	
			For>50 To 100, Deduct	-41.46	
			For>100, Deduct	-62.81	
10 51 13 00-0114	EA		15" x 15" x 60" Two Tier Athletic Locker	487.40	41.91
			For>25 To 50, Deduct	-20.18	
			For>50 To 100, Deduct	-41.62	
			For>100, Deduct	-63.05	
10 51 13 00-0115	EA		15" x 18" x 60" Two Tier Athletic Locker	490.83	41.91
			For>25 To 50, Deduct	-20.35	
			For>50 To 100, Deduct	-41.96	
			For>100, Deduct	-63.57	
10 51 13 00-0116	EA		18" x 18" x 60" Two Tier Athletic Locker	519.73	41.91
			For>25 To 50, Deduct	-21.80	
			For>50 To 100, Deduct	-44.85	
			For>100, Deduct	-67.90	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0117 EA 18" x 21" x 60" Two Tier Athletic Locker	540.90	41.91
For >25 To 50, Deduct	-22.85	
For >50 To 100, Deduct	-46.97	
For >100, Deduct	-71.08	
10 51 13 00-0118 EA 18" x 24" x 60" Two Tier Athletic Locker	635.44	41.91
For >25 To 50, Deduct	-27.58	
For >50 To 100, Deduct	-56.42	
For >100, Deduct	-85.26	
10 51 13 00-0119 EA 12" x 12" x 72" Two Tier Athletic Locker	470.56	41.91
For >25 To 50, Deduct	-19.34	
For >50 To 100, Deduct	-39.93	
For >100, Deduct	-60.53	
10 51 13 00-0120 EA 12" x 15" x 72" Two Tier Athletic Locker	485.52	41.91
For >25 To 50, Deduct	-20.09	
For >50 To 100, Deduct	-41.43	
For >100, Deduct	-62.77	
10 51 13 00-0121 EA 12" x 18" x 72" Two Tier Athletic Locker	505.93	41.91
For >25 To 50, Deduct	-21.11	
For >50 To 100, Deduct	-43.47	
For >100, Deduct	-65.83	
10 51 13 00-0122 EA 15" x 15" x 72" Two Tier Athletic Locker	509.02	41.91
For >25 To 50, Deduct	-21.26	
For >50 To 100, Deduct	-43.78	
For >100, Deduct	-66.29	
10 51 13 00-0123 EA 15" x 18" x 72" Two Tier Athletic Locker	525.79	41.91
For >25 To 50, Deduct	-22.10	
For >50 To 100, Deduct	-45.45	
For >100, Deduct	-68.81	
10 51 13 00-0124 EA 18" x 18" x 72" Two Tier Athletic Locker	546.39	41.91
For >25 To 50, Deduct	-23.13	
For >50 To 100, Deduct	-47.51	
For >100, Deduct	-71.90	
10 51 13 00-0125 EA 18" x 21" x 72" Two Tier Athletic Locker	592.62	41.91
For >25 To 50, Deduct	-25.44	
For >50 To 100, Deduct	-52.14	
For >100, Deduct	-78.83	
10 51 13 00-0126 Three Tier Athletic Locker (10 51 13 00-0095)		
Note: Includes one double hook per tier.		
10 51 13 00-0127 EA 12" x 12" x 60" Three Tier Athletic Locker	492.46	43.18
For >25 To 50, Deduct	-20.31	
For >50 To 100, Deduct	-41.91	
For >100, Deduct	-63.51	
10 51 13 00-0128 EA 12" x 15" x 60" Three Tier Athletic Locker	516.15	43.18
For >25 To 50, Deduct	-21.49	
For >50 To 100, Deduct	-44.28	
For >100, Deduct	-67.06	
10 51 13 00-0129 EA 12" x 18" x 60" Three Tier Athletic Locker	537.08	43.18
For >25 To 50, Deduct	-22.54	
For >50 To 100, Deduct	-46.37	
For >100, Deduct	-70.20	
10 51 13 00-0130 EA 15" x 15" x 60" Three Tier Athletic Locker	551.31	43.18
For >25 To 50, Deduct	-23.25	
For >50 To 100, Deduct	-47.79	
For >100, Deduct	-72.33	
10 51 13 00-0131 EA 15" x 18" x 60" Three Tier Athletic Locker	574.99	43.18
For >25 To 50, Deduct	-24.43	
For >50 To 100, Deduct	-50.16	
For >100, Deduct	-75.89	
10 51 13 00-0132 EA 12" x 12" x 72" Three Tier Athletic Locker	519.44	43.18
For >25 To 50, Deduct	-21.65	
For >50 To 100, Deduct	-44.60	
For >100, Deduct	-67.55	
10 51 13 00-0133 EA 12" x 15" x 72" Three Tier Athletic Locker	540.83	43.18
For >25 To 50, Deduct	-22.72	
For >50 To 100, Deduct	-46.74	
For >100, Deduct	-70.76	
10 51 13 00-0134 EA 12" x 18" x 72" Three Tier Athletic Locker	570.34	43.18
For >25 To 50, Deduct	-24.20	
For >50 To 100, Deduct	-49.69	
For >100, Deduct	-75.19	
10 51 13 00-0135 EA 15" x 15" x 72" Three Tier Athletic Locker	585.45	43.18
For >25 To 50, Deduct	-24.96	
For >50 To 100, Deduct	-51.21	
For >100, Deduct	-77.46	
10 51 13 00-0136 EA 15" x 18" x 72" Three Tier Athletic Locker	608.11	43.18
For >25 To 50, Deduct	-26.09	
For >50 To 100, Deduct	-53.47	
For >100, Deduct	-80.85	

10 51 13 00-0137 Four Tier Athletic Locker (10 51 13 00-0095)

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0138 EA 12" x 12" x 60" Four Tier Athletic Locker	454.61	44.44
For>25 To 50, Deduct	-18.29	
For>50 To 100, Deduct	-37.90	
For>100, Deduct	-57.52	
10 51 13 00-0139 EA 12" x 15" x 60" Four Tier Athletic Locker	483.62	44.44
For>25 To 50, Deduct	-19.74	
For>50 To 100, Deduct	-40.81	
For>100, Deduct	-61.88	
10 51 13 00-0140 EA 12" x 18" x 60" Four Tier Athletic Locker	512.63	44.44
For>25 To 50, Deduct	-21.19	
For>50 To 100, Deduct	-43.71	
For>100, Deduct	-66.23	
10 51 13 00-0141 EA 15" x 15" x 60" Four Tier Athletic Locker	524.48	44.44
For>25 To 50, Deduct	-21.78	
For>50 To 100, Deduct	-44.89	
For>100, Deduct	-68.00	
10 51 13 00-0142 EA 15" x 18" x 60" Four Tier Athletic Locker	572.13	44.44
For>25 To 50, Deduct	-24.16	
For>50 To 100, Deduct	-49.66	
For>100, Deduct	-75.15	
10 51 13 00-0143 EA 12" x 12" x 72" Four Tier Athletic Locker	484.13	44.44
For>25 To 50, Deduct	-19.76	
For>50 To 100, Deduct	-40.86	
For>100, Deduct	-61.95	
10 51 13 00-0144 EA 12" x 15" x 72" Four Tier Athletic Locker	513.55	44.44
For>25 To 50, Deduct	-21.23	
For>50 To 100, Deduct	-43.80	
For>100, Deduct	-66.36	
10 51 13 00-0145 EA 12" x 18" x 72" Four Tier Athletic Locker	542.97	44.44
For>25 To 50, Deduct	-22.70	
For>50 To 100, Deduct	-46.74	
For>100, Deduct	-70.78	
10 51 13 00-0146 EA 15" x 15" x 72" Four Tier Athletic Locker	558.04	44.44
For>25 To 50, Deduct	-23.46	
For>50 To 100, Deduct	-48.25	
For>100, Deduct	-73.04	
10 51 13 00-0147 EA 15" x 18" x 72" Four Tier Athletic Locker	569.34	44.44
For>25 To 50, Deduct	-24.02	
For>50 To 100, Deduct	-49.38	
For>100, Deduct	-74.73	
10 51 13 00-0148 Six Tier Athletic Locker (10 51 13 00-0095)		
10 51 13 00-0149 EA 12" x 12" x 72" Six Tier Athletic Locker	536.14	45.72
For>25 To 50, Deduct	-22.24	
For>50 To 100, Deduct	-45.84	
For>100, Deduct	-69.45	
10 51 13 00-0150 EA 12" x 15" x 72" Six Tier Athletic Locker	558.74	45.72
For>25 To 50, Deduct	-23.37	
For>50 To 100, Deduct	-48.10	
For>100, Deduct	-72.84	
10 51 13 00-0151 EA 12" x 18" x 72" Six Tier Athletic Locker	581.30	45.72
For>25 To 50, Deduct	-24.49	
For>50 To 100, Deduct	-50.36	
For>100, Deduct	-76.22	
10 51 13 00-0152 EA 12" x 21" x 72" Six Tier Athletic Locker	663.65	45.72
For>25 To 50, Deduct	-28.61	
For>50 To 100, Deduct	-58.59	
For>100, Deduct	-88.58	
10 51 13 00-0153 Metal Locker Accessories (10 51 13)		
10 51 13 00-0154 Locker Slope Tops (10 51 13 00-0153)		
10 51 13 00-0155 16 Gauge Continuous Sloping Hood (10 51 13 00-0154)		
10 51 13 00-0156 LF 12" Deep, 16 Gauge Continuous Slope Top	34.26	5.08
10 51 13 00-0157 LF 15" Deep, 16 Gauge Continuous Slope Top	29.11	5.08
10 51 13 00-0158 LF 18" Deep, 16 Gauge Continuous Slope Top	39.53	5.08
10 51 13 00-0159 LF 21" Deep, 16 Gauge Continuous Slope Top	43.53	5.08
10 51 13 00-0160 LF 24" Deep, 16 Gauge Continuous Slope Top	45.40	5.08
10 51 13 00-0161 16 Gauge Slope Top Corner Fillers (10 51 13 00-0154)		
10 51 13 00-0162 EA 12" Deep, 16 Gauge Slope Top Corner Fillers	137.60	5.08
10 51 13 00-0163 EA 15" Deep, 16 Gauge Slope Top Corner Fillers	140.52	5.08
10 51 13 00-0164 EA 18" Deep, 16 Gauge Slope Top Corner Fillers	143.42	5.08
10 51 13 00-0165 EA 21" Deep, 16 Gauge Slope Top Corner Fillers	146.94	5.08
10 51 13 00-0166 EA 24" Deep, 16 Gauge Slope Top Corner Fillers	150.43	5.08
10 51 13 00-0167 20 Gauge Individual Slope Top (10 51 13 00-0154)		
10 51 13 00-0168 EA 12" Wide x 12" Deep 20 Gauge Individual Slope Top	29.62	5.08
10 51 13 00-0169 EA 12" Wide x 15" Deep 20 Gauge Individual Slope Top	29.43	5.08



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0170 EA 12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	32.60	5.08
10 51 13 00-0171 EA 15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	32.60	5.08
10 51 13 00-0172 EA 15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	33.35	5.08
10 51 13 00-0173 EA 15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	36.35	5.08
10 51 13 00-0174 EA 18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	36.35	5.08
10 51 13 00-0175 EA 18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	40.29	5.08
10 51 13 00-0176 EA 18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	44.98	5.08
10 51 13 00-0177 Continuous Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0178 PR 12" Deep, Continuous Slope Top End Closures.....	31.49	5.08
10 51 13 00-0179 PR 15" Deep, Continuous Slope Top End Closures.....	26.97	5.08
10 51 13 00-0180 PR 18" Deep, Continuous Slope Top End Closures.....	35.22	5.08
10 51 13 00-0181 PR 21" Deep, Continuous Slope Top End Closures.....	37.10	5.08
10 51 13 00-0182 PR 24" Deep, Continuous Slope Top End Closures.....	38.38	5.08
10 51 13 00-0183 Individual Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0184 EA 12" Deep, Individual Slope Top End Closures.....	20.82	5.08
10 51 13 00-0185 EA 15" Deep, Individual Slope Top End Closures.....	21.41	5.08
10 51 13 00-0186 EA 18" Deep, Individual Slope Top End Closures.....	22.71	5.08
10 51 13 00-0187 EA 21" Deep, Individual Slope Top End Closures.....	23.61	5.08
10 51 13 00-0188 EA 24" Deep, Individual Slope Top End Closures.....	32.84	5.08
10 51 13 00-0189 Locker Base (10 51 13 00-0153)		
10 51 13 00-0190 Closed Front Base (10 51 13 00-0189)		
10 51 13 00-0191 EA 12" Wide, 6" High Closed Front Base.....	21.82	5.08
10 51 13 00-0192 EA 15" Wide, 6" High Closed Front Base.....	22.80	5.08
10 51 13 00-0193 EA 18" Wide, 6" High Closed Front Base.....	24.84	5.08
10 51 13 00-0194 EA 24" Wide, 6" High Closed Front Base.....	25.82	5.08
10 51 13 00-0195 Closed End Base (10 51 13 00-0189)		
10 51 13 00-0196 EA 12" Deep, 6" High Closed End Base.....	24.54	5.08
10 51 13 00-0197 EA 15" Deep, 6" High Closed End Base.....	24.71	5.08
10 51 13 00-0198 EA 18" Deep, 6" High Closed End Base.....	26.02	5.08
10 51 13 00-0199 EA 21" Deep, 6" High Closed End Base.....	27.32	5.08
10 51 13 00-0200 EA 24" Deep, 6" High Closed End Base.....	29.10	5.08
10 51 13 00-0201 Recessed Continuous Front "Z" Base (10 51 13 00-0189)		
10 51 13 00-0202 LF 4" High Recessed Continuous Front "Z" Base.....	25.36	3.81
10 51 13 00-0203 "Z" Base Ends Or Splice (10 51 13 00-0189)		
10 51 13 00-0204 EA 12" Wide, 4" High Z-Base Ends Or Splice.....	25.59	5.08
10 51 13 00-0205 EA 15" Wide, 4" High Z-Base Ends Or Splice.....	29.43	5.08
10 51 13 00-0206 EA 18" Wide, 4" High Z-Base Ends Or Splice.....	33.35	5.08
10 51 13 00-0207 EA 21" Wide, 4" High Z-Base Ends Or Splice.....	37.48	5.08
10 51 13 00-0208 EA 24" Wide, 4" High Z-Base Ends Or Splice.....	41.59	5.08
10 51 13 00-0209 Locker Front Fillers And End Panels (10 51 13 00-0153)		
10 51 13 00-0210 Locker Front Fillers (10 51 13 00-0209)		
10 51 13 00-0211 EA 6" Wide x 48" High, 16 Gauge Front Filler.....	33.27	6.35
10 51 13 00-0212 EA 12" Wide x 48" High, 16 Gauge Front Filler.....	52.91	6.35
10 51 13 00-0213 EA 6" Wide x 60" High, 16 Gauge Front Filler.....	41.34	6.35
10 51 13 00-0214 EA 12" Wide x 60" High, 16 Gauge Front Filler.....	62.97	6.35
10 51 13 00-0215 EA 6" Wide x 66" High, 16 Gauge Front Filler.....	44.86	6.35
10 51 13 00-0216 EA 12" Wide x 66" High, 16 Gauge Front Filler.....	50.21	6.35
10 51 13 00-0217 EA 6" Wide x 72" High, 16 Gauge Front Filler.....	48.95	6.35
10 51 13 00-0218 EA 12" Wide x 72" High, 16 Gauge Front Filler.....	68.81	6.35
10 51 13 00-0219 EA 6" Wide x 78" High, 16 Gauge Front Filler.....	50.08	6.35
10 51 13 00-0220 EA 12" Wide x 78" High, 16 Gauge Front Filler.....	58.11	6.35
10 51 13 00-0221 Locker End Panels (10 51 13 00-0209)		
10 51 13 00-0222 EA 12" Deep x 48" High, 16 Gauge End Panel.....	53.46	5.08
10 51 13 00-0223 EA 15" Deep x 48" High, 16 Gauge End Panel.....	65.01	5.08
10 51 13 00-0224 EA 18" Deep x 48" High, 16 Gauge End Panel.....	76.12	5.08
10 51 13 00-0225 EA 12" Deep x 60" High, 16 Gauge End Panel.....	62.91	5.08
10 51 13 00-0226 EA 15" Deep x 60" High, 16 Gauge End Panel.....	71.20	5.08
10 51 13 00-0227 EA 18" Deep x 60" High, 16 Gauge End Panel.....	84.24	5.08
10 51 13 00-0228 EA 12" Deep x 72" High, 16 Gauge End Panel.....	73.94	5.08
10 51 13 00-0229 EA 15" Deep x 72" High, 16 Gauge End Panel.....	84.02	5.08
10 51 13 00-0230 EA 18" Deep x 72" High, 16 Gauge End Panel.....	97.43	5.08
10 51 13 00-0231 EA 21" Deep x 72" High, 16 Gauge End Panel.....	111.99	5.08

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0232 Locker Recessed Trim <small>(10 51 13 00-0153)</small>		
10 51 13 00-0233 LF 3" Height, Top Trim For Recessed Lockers	11.35	2.54
10 51 13 00-0234 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	30.88	5.08
10 51 13 00-0235 EA 60" Height, 3" Wide Side Trim For Recessed Lockers	46.43	5.08
10 51 13 00-0236 EA 66" Height, 3" Wide Side Trim For Recessed Lockers	48.07	5.08
10 51 13 00-0237 EA 72" Height, 3" Wide Side Trim For Recessed Lockers	49.71	5.08
10 51 13 00-0238 EA 78" Height, 3" Wide Side Trim For Recessed Lockers	51.14	5.08
10 51 13 00-0239 Locker Interior Accessories <small>(10 51 13 00-0153)</small>		
10 51 13 00-0240 Locker Coat Rods <small>(10 51 13 00-0239)</small>		
10 51 13 00-0241 EA 12" Wide Coat Rod	17.22	5.08
10 51 13 00-0242 EA 15" Wide Coat Rod	18.74	5.08
10 51 13 00-0243 EA 18" Wide Coat Rod	20.09	5.08
10 51 13 00-0244 EA 24" Wide Coat Rod	21.29	5.08
10 51 13 00-0245 Locker Hat Shelf <small>(10 51 13 00-0239)</small>		
10 51 13 00-0246 EA 12" Wide Hat Shelf	20.43	5.08
10 51 13 00-0247 EA 15" Wide Hat Shelf	23.73	5.08
10 51 13 00-0248 EA 18" Wide Hat Shelf	25.12	5.08
10 51 13 00-0249 EA 24" Wide Hat Shelf	30.62	5.08
10 51 13 00-0250 Locker ADA Compliant Shelf <small>(10 51 13 00-0239)</small>		
10 51 13 00-0251 EA ADA Compliant Shelf For Single Tier Lockers	39.42	6.35
Note: Includes an ADA label for locker face.		
10 51 13 00-0252 Other Interior Locker Accessories <small>(10 51 13 00-0239)</small>		
10 51 13 00-0253 EA 3" x 10" Bent Plate Shoe Rack	51.27	5.08
10 51 13 00-0254 EA 8" x 10" Mirror	40.99	5.08
10 51 13 00-0255 EA Additional Hook	12.73	5.08
10 51 13 00-0256 Locker Locks <small>(10 51 13 00-0153)</small>		
10 51 13 00-0257 EA Built In Combination Lock	44.83	5.08
10 51 13 00-0258 Steel Basket Racks Mounted On Concrete Base <small>(10 51 13)</small>		
Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0259 EA 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,060.99	95.24
10 51 13 00-0260 EA 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,765.48	95.24
10 51 26 Plastic Lockers <small>(10 51)</small>		
10 51 26 00-0001 Solid Plastic Lockers <small>(10 51 26)</small>		
Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002 Single Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
Note: Includes one double hook per tier.		
10 51 26 00-0003 EA 12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	639.49	39.36
For >50 To 100, Deduct		
	-56.08	
For >100, Deduct		
	-86.48	
10 51 26 00-0004 EA 12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	650.74	39.36
For >50 To 100, Deduct		
	-57.20	
For >100, Deduct		
	-88.16	
10 51 26 00-0005 EA 12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	661.99	39.36
For >50 To 100, Deduct		
	-58.33	
For >100, Deduct		
	-89.85	
10 51 26 00-0006 EA 15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	678.86	39.36
For >50 To 100, Deduct		
	-60.01	
For >100, Deduct		
	-92.38	
10 51 26 00-0007 EA 15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	661.02	39.36
For >50 To 100, Deduct		
	-58.23	
For >100, Deduct		
	-89.71	
10 51 26 00-0008 EA 18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	665.75	39.36
For >50 To 100, Deduct		
	-58.70	
For >100, Deduct		
	-90.41	
10 51 26 00-0009 EA 18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	657.43	39.36
For >50 To 100, Deduct		
	-57.87	
For >100, Deduct		
	-89.17	
10 51 26 00-0010 EA 18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	703.88	39.36
For >50 To 100, Deduct		
	-62.52	
For >100, Deduct		
	-96.13	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	693.16	39.36
			For >50 To 100, Deduct	-61.44	
			For >100, Deduct	-94.53	
10 51 26 00-0012	EA		12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	705.66	39.36
			For >50 To 100, Deduct	-62.69	
			For >100, Deduct	-96.40	
10 51 26 00-0013	EA		12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	718.16	39.36
			For >50 To 100, Deduct	-63.94	
			For >100, Deduct	-98.28	
10 51 26 00-0014	EA		15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	746.75	39.36
			For >50 To 100, Deduct	-66.80	
			For >100, Deduct	-102.56	
10 51 26 00-0015	EA		15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	786.05	39.36
			For >50 To 100, Deduct	-70.73	
			For >100, Deduct	-108.46	
10 51 26 00-0016	EA		18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	750.31	39.36
			For >50 To 100, Deduct	-67.16	
			For >100, Deduct	-103.10	
10 51 26 00-0017	EA		18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	814.61	39.36
			For >50 To 100, Deduct	-73.59	
			For >100, Deduct	-112.74	
10 51 26 00-0018	EA		12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	698.14	39.36
			For >50 To 100, Deduct	-61.94	
			For >100, Deduct	-95.27	
10 51 26 00-0019	EA		12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	734.78	39.36
			For >50 To 100, Deduct	-65.61	
			For >100, Deduct	-100.77	
10 51 26 00-0020	EA		12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	771.45	39.36
			For >50 To 100, Deduct	-69.27	
			For >100, Deduct	-106.27	
10 51 26 00-0021	EA		15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	744.60	39.36
			For >50 To 100, Deduct	-66.59	
			For >100, Deduct	-102.24	
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	783.43	39.36
			For >50 To 100, Deduct	-70.47	
			For >100, Deduct	-108.07	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	822.30	39.36
			For >50 To 100, Deduct	-74.36	
			For >100, Deduct	-113.90	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	791.05	39.36
			For >50 To 100, Deduct	-71.23	
			For >100, Deduct	-109.21	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	832.11	39.36
			For >50 To 100, Deduct	-75.34	
			For >100, Deduct	-115.37	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	798.01	40.64
			For >50 To 100, Deduct	-71.67	
			For >100, Deduct	-109.95	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	839.09	40.64
			For >50 To 100, Deduct	-75.78	
			For >100, Deduct	-116.11	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	880.12	40.64
			For >50 To 100, Deduct	-79.89	
			For >100, Deduct	-122.27	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	851.32	40.64
			For >50 To 100, Deduct	-77.01	
			For >100, Deduct	-117.95	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	894.65	40.64
			For >50 To 100, Deduct	-81.34	
			For >100, Deduct	-124.45	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	937.93	40.64
			For >50 To 100, Deduct	-85.67	
			For >100, Deduct	-130.94	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	893.82	40.64
			For >50 To 100, Deduct	-81.26	
			For >100, Deduct	-124.32	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	950.16	40.64
			For >50 To 100, Deduct	-86.89	
			For >100, Deduct	-132.77	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	995.66	40.64
			For >50 To 100, Deduct	-91.44	
			For >100, Deduct	-139.60	
10 51 26 00-0035			Double Tier Solid Plastic Lockers (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	717.14	40.64
			For >50 To 100, Deduct	-63.59	
			For >100, Deduct	-97.82	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	727.85	40.64
			For >50 To 100, Deduct	-64.66	
			For >100, Deduct	-99.43	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	743.91	40.64
			For >50 To 100, Deduct	-66.26	
			For >100, Deduct	-101.83	

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0039 EA 15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	738.57	40.64
For>50 To 100, Deduct	-65.73	
For>100, Deduct	-101.03	
10 51 26 00-0040 EA 15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	767.15	40.64
For>50 To 100, Deduct	-68.59	
For>100, Deduct	-105.32	
10 51 26 00-0041 EA 15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	835.01	40.64
For>50 To 100, Deduct	-75.37	
For>100, Deduct	-115.50	
10 51 26 00-0042 EA 18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	745.72	40.64
For>50 To 100, Deduct	-66.45	
For>100, Deduct	-102.11	
10 51 26 00-0043 EA 18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	780.29	40.64
For>50 To 100, Deduct	-69.90	
For>100, Deduct	-107.29	
10 51 26 00-0044 EA 18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	842.17	40.64
For>50 To 100, Deduct	-76.09	
For>100, Deduct	-116.57	
10 51 26 00-0045 EA 12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	741.72	40.64
For>50 To 100, Deduct	-66.05	
For>100, Deduct	-101.51	
10 51 26 00-0046 EA 12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	797.67	40.64
For>50 To 100, Deduct	-71.64	
For>100, Deduct	-109.90	
10 51 26 00-0047 EA 12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	813.66	40.64
For>50 To 100, Deduct	-73.24	
For>100, Deduct	-112.30	
10 51 26 00-0048 EA 15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	807.02	40.64
For>50 To 100, Deduct	-72.58	
For>100, Deduct	-111.30	
10 51 26 00-0049 EA 15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	844.09	40.64
For>50 To 100, Deduct	-76.28	
For>100, Deduct	-116.86	
10 51 26 00-0050 EA 18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	851.34	40.64
For>50 To 100, Deduct	-77.01	
For>100, Deduct	-117.95	
10 51 26 00-0051 EA 18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	890.55	40.64
For>50 To 100, Deduct	-80.93	
For>100, Deduct	-123.83	
10 51 26 00-0052 EA 18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	929.75	40.64
For>50 To 100, Deduct	-84.85	
For>100, Deduct	-129.71	
10 51 26 00-0053 EA 12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	858.12	41.91
For>50 To 100, Deduct	-77.43	
For>100, Deduct	-118.66	
10 51 26 00-0054 EA 12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	897.32	41.91
For>50 To 100, Deduct	-81.35	
For>100, Deduct	-124.54	
10 51 26 00-0055 EA 12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	917.75	41.91
For>50 To 100, Deduct	-83.39	
For>100, Deduct	-127.60	
10 51 26 00-0056 EA 15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	909.01	41.91
For>50 To 100, Deduct	-82.52	
For>100, Deduct	-126.29	
10 51 26 00-0057 EA 15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	950.36	41.91
For>50 To 100, Deduct	-86.65	
For>100, Deduct	-132.50	
10 51 26 00-0058 EA 15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	991.69	41.91
For>50 To 100, Deduct	-90.79	
For>100, Deduct	-138.70	
10 51 26 00-0059 EA 18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	916.41	41.91
For>50 To 100, Deduct	-83.26	
For>100, Deduct	-127.40	
10 51 26 00-0060 EA 18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,003.36	41.91
For>50 To 100, Deduct	-91.95	
For>100, Deduct	-140.45	
10 51 26 00-0061 EA 18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,046.79	41.91
For>50 To 100, Deduct	-96.30	
For>100, Deduct	-146.96	
10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001)		
Note: Includes one double hook per tier.		
10 51 26 00-0063 EA 12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	706.29	41.91
For>50 To 100, Deduct	-62.25	
For>100, Deduct	-95.89	
10 51 26 00-0064 EA 15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	735.70	41.91
For>50 To 100, Deduct	-65.19	
For>100, Deduct	-100.30	
10 51 26 00-0065 EA 15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	762.67	41.91
For>50 To 100, Deduct	-67.89	
For>100, Deduct	-104.34	
10 51 26 00-0066 EA 12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	767.90	41.91
For>50 To 100, Deduct	-68.41	
For>100, Deduct	-105.13	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0067 EA 12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	830.75	41.91
For >50 To 100, Deduct	-74.69	
For >100, Deduct	-114.55	
10 51 26 00-0068 EA 12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	831.05	41.91
For >50 To 100, Deduct	-74.72	
For >100, Deduct	-114.60	
10 51 26 00-0069 EA 15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	865.34	41.91
For >50 To 100, Deduct	-78.15	
For >100, Deduct	-119.74	
10 51 26 00-0070 EA 15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	899.79	41.91
For >50 To 100, Deduct	-81.60	
For >100, Deduct	-124.91	
10 51 26 00-0071 EA 15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	934.21	41.91
For >50 To 100, Deduct	-85.04	
For >100, Deduct	-130.07	
10 51 26 00-0072 EA 18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	906.52	41.91
For >50 To 100, Deduct	-82.27	
For >100, Deduct	-125.92	
10 51 26 00-0073 EA 18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	942.92	41.91
For >50 To 100, Deduct	-85.91	
For >100, Deduct	-131.38	
10 51 26 00-0074 EA 18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	979.32	41.91
For >50 To 100, Deduct	-89.55	
For >100, Deduct	-136.84	
10 51 26 00-0075 EA 12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	912.96	43.18
For >50 To 100, Deduct	-82.66	
For >100, Deduct	-126.58	
10 51 26 00-0076 EA 12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	949.38	43.18
For >50 To 100, Deduct	-86.30	
For >100, Deduct	-132.05	
10 51 26 00-0077 EA 12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	974.94	43.18
For >50 To 100, Deduct	-88.86	
For >100, Deduct	-135.88	
10 51 26 00-0078 EA 15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	960.22	43.18
For >50 To 100, Deduct	-87.39	
For >100, Deduct	-133.67	
10 51 26 00-0079 EA 15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	971.76	43.18
For >50 To 100, Deduct	-88.54	
For >100, Deduct	-135.40	
10 51 26 00-0080 EA 15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,013.36	43.18
For >50 To 100, Deduct	-92.70	
For >100, Deduct	-141.64	
10 51 26 00-0081 EA 18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	943.69	43.18
For >50 To 100, Deduct	-85.73	
For >100, Deduct	-131.19	
10 51 26 00-0082 EA 18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,028.27	43.18
For >50 To 100, Deduct	-94.19	
For >100, Deduct	-143.88	
10 51 26 00-0083 EA 18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,088.15	43.18
For >50 To 100, Deduct	-100.18	
For >100, Deduct	-152.86	
10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0085 EA 12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	820.44	43.18
For >50 To 100, Deduct	-73.41	
For >100, Deduct	-112.70	
10 51 26 00-0086 EA 12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	844.32	43.18
For >50 To 100, Deduct	-75.80	
For >100, Deduct	-116.29	
10 51 26 00-0087 EA 12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	888.33	43.18
For >50 To 100, Deduct	-80.20	
For >100, Deduct	-122.89	
10 51 26 00-0088 EA 15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	882.96	43.18
For >50 To 100, Deduct	-79.66	
For >100, Deduct	-122.08	
10 51 26 00-0089 EA 15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	939.98	43.18
For >50 To 100, Deduct	-85.36	
For >100, Deduct	-130.64	
10 51 26 00-0090 EA 15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	957.97	43.18
For >50 To 100, Deduct	-87.16	
For >100, Deduct	-133.33	
10 51 26 00-0091 EA 18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	949.04	43.18
For >50 To 100, Deduct	-86.27	
For >100, Deduct	-131.99	
10 51 26 00-0092 EA 18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	979.40	43.18
For >50 To 100, Deduct	-89.31	
For >100, Deduct	-136.55	
10 51 26 00-0093 EA 18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,066.94	43.18
For >50 To 100, Deduct	-98.06	
For >100, Deduct	-149.68	
10 51 26 00-0094 EA 12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	944.36	44.44
For >50 To 100, Deduct	-85.55	
For >100, Deduct	-130.99	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0095 EA 12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	986.69	44.44
For>50 To 100, Deduct	-89.78	
For>100, Deduct	-137.34	
10 51 26 00-0096 EA 12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	992.21	44.44
For>50 To 100, Deduct	-90.33	
For>100, Deduct	-138.16	
10 51 26 00-0097 EA 15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,045.54	44.44
For>50 To 100, Deduct	-95.66	
For>100, Deduct	-146.16	
10 51 26 00-0098 EA 15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	996.19	44.44
For>50 To 100, Deduct	-90.73	
For>100, Deduct	-138.76	
10 51 26 00-0099 EA 15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,040.91	44.44
For>50 To 100, Deduct	-95.20	
For>100, Deduct	-145.47	
10 51 26 00-0100 EA 18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	994.48	44.44
For>50 To 100, Deduct	-90.56	
For>100, Deduct	-138.50	
10 51 26 00-0101 EA 18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,048.06	44.44
For>50 To 100, Deduct	-95.92	
For>100, Deduct	-146.54	
10 51 26 00-0102 EA 18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,128.34	44.44
For>50 To 100, Deduct	-103.94	
For>100, Deduct	-158.58	
10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0104 EA 12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	892.16	43.81
For>50 To 100, Deduct	-80.45	
For>100, Deduct	-123.31	
10 51 26 00-0105 EA 12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	921.72	43.81
For>50 To 100, Deduct	-83.41	
For>100, Deduct	-127.74	
10 51 26 00-0106 EA 12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	951.28	43.81
For>50 To 100, Deduct	-86.37	
For>100, Deduct	-132.18	
10 51 26 00-0107 EA 15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	932.46	43.81
For>50 To 100, Deduct	-84.48	
For>100, Deduct	-129.35	
10 51 26 00-0108 EA 15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	985.41	43.81
For>50 To 100, Deduct	-89.78	
For>100, Deduct	-137.30	
10 51 26 00-0109 EA 15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,011.04	43.81
For>50 To 100, Deduct	-92.34	
For>100, Deduct	-141.14	
10 51 26 00-0110 EA 18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,002.11	43.81
For>50 To 100, Deduct	-91.45	
For>100, Deduct	-139.80	
10 51 26 00-0111 EA 18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,030.69	43.81
For>50 To 100, Deduct	-94.31	
For>100, Deduct	-144.09	
10 51 26 00-0112 EA 18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,123.57	43.81
For>50 To 100, Deduct	-103.60	
For>100, Deduct	-158.02	
10 51 26 00-0113 EA 12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	973.21	45.08
For>50 To 100, Deduct	-88.31	
For>100, Deduct	-135.16	
10 51 26 00-0114 EA 12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,006.36	45.08
For>50 To 100, Deduct	-91.62	
For>100, Deduct	-140.13	
10 51 26 00-0115 EA 12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,039.48	45.08
For>50 To 100, Deduct	-94.93	
For>100, Deduct	-145.10	
10 51 26 00-0116 EA 15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,027.89	45.08
For>50 To 100, Deduct	-93.77	
For>100, Deduct	-143.36	
10 51 26 00-0117 EA 15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,051.20	45.08
For>50 To 100, Deduct	-96.10	
For>100, Deduct	-146.86	
10 51 26 00-0118 EA 15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,086.10	45.08
For>50 To 100, Deduct	-99.59	
For>100, Deduct	-152.10	
10 51 26 00-0119 EA 18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,059.28	45.08
For>50 To 100, Deduct	-96.91	
For>100, Deduct	-148.07	
10 51 26 00-0120 EA 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,099.31	45.08
For>50 To 100, Deduct	-100.92	
For>100, Deduct	-154.08	
10 51 26 00-0121 EA 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,145.76	45.08
For>50 To 100, Deduct	-105.56	
For>100, Deduct	-161.04	
10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)		



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0123 EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,028.53 -93.96 -143.61	44.44
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,009.46 -91.80 -140.45	45.72
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,042.56 -95.11 -145.41	45.72
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,064.65 -97.32 -148.73	45.72
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,108.78 -101.74 -155.35	45.72
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,121.67 -103.02 -157.28	45.72
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,130.87 -103.94 -158.66	45.72
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,134.54 -104.31 -159.21	45.72
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,175.01 -108.36 -165.28	45.72
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,228.37 -113.69 -173.28	45.72
10 51 26 00-0133 Solid Plastic Locker Accessories <small>(10 51 26 00-0001)</small>		
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	48.39	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	53.15	
10 51 26 00-0138 End Panels For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	122.42	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	47.77	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers <small>(10 51 26 00-0133)</small>		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)..... Note: Full locker height. Width and height cut to size in the field.	127.29	
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers <small>(10 51 26 00-0133)</small>		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers..... Note: For removable padlocks. Excludes padlock.	11.94	
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	35.83	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	47.77	
10 51 53 Locker Room Benches <small>(10 51)</small>		
10 51 53 00-0001 LF 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals.....	112.83	6.35
10 51 53 00-0002 LF 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals.....	90.14	6.35
10 51 53 00-0003 LF 9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals.....	137.48	6.35
10 51 53 00-0004 LF 9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals.....	131.40	6.35
10 51 53 00-0005 LF 9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals.....	102.17	6.35
10 55 Postal Specialties <small>(10 50)</small>		
10 55 23 Mail Boxes <small>(10 55)</small>		
10 55 23 23 Residential Mail Boxes <small>(10 55 23)</small>		
10 55 23 23-0001 Residential Mail Boxes <small>(10 55 23 23)</small>		
10 55 23 23-0002 EA 13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate..... <i>For Stainless Steel Sleeve, Add</i>	129.49 28.17	14.28

10	10	Specialties
	10 50	Storage Specialties
	10 55	Postal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 23-0003 EA 13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate..... <i>For Stainless Steel Sleeve, Add</i>	173.11 28.17	14.28
10 55 23 23-0004 EA 8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox.....	94.36	12.71
10 55 23 23-0005 EA 20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post.....	141.72	15.87
10 55 23 26 Commercial Mail Boxes (10 55 23)		
10 55 23 26-0001 Commercial Letter Boxes (10 55 23 26)		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002 EA 15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU).....	407.09	19.05
10 55 23 26-0003 EA 15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP).....	470.34	19.05
10 55 23 26-0004 Commercial Horizontal Mail Boxes (10 55 23 26)		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005 BOX 5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	83.25	19.05
10 55 23 26-0006 BOX 10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	176.36	25.39
10 55 23 26-0007 BOX 6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	106.73	15.87
10 55 23 26-0008 BOX 12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	165.98	25.39
10 55 23 26-0009 Commercial Cluster Mail Boxes (10 55 23 26)		
Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010 EA 13-15/16" Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDTCBU5).....	2,084.54	38.10
Note: Any door combination.		
10 55 23 26-0011 EA 26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDTCBU8).....	2,470.50	50.80
Note: Any door combination.		
10 55 23 26-0012 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8).....	3,354.43	50.80
10 55 23 26-0013 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12).....	3,459.86	50.80
10 55 23 26-0014 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16).....	3,617.99	50.80
10 55 23 26-0015 Commercial 4C Mail Boxes (10 55 23 26)		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09).....	1,846.85	50.80
10 55 23 26-0017 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15).....	3,239.43	50.80
10 55 23 26-0018 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19).....	3,365.94	50.80
10 55 26 Parcel Lockers (10 55)		
10 55 26 00-0001 Parcel Lockers (10 55 26)		
10 55 26 00-0002 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker.....	1,551.10	38.10
Note: Two compartments.		
10 55 26 00-0003 EA 48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker.....	1,844.86	50.80
Note: Two compartments.		
10 56 Storage Assemblies (10 50)		
10 56 13 Metal Storage Shelving (10 56)		
10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)		
10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)		
10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)		
10 56 13 16-0003 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf..... <i>For >75" To 87" High, Add</i>	167.04 14.71	22.56
10 56 13 16-0004 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf..... <i>For >75" To 87" High, Add</i>	167.10 14.60	23.69
10 56 13 16-0005 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf..... <i>For >75" To 87" High, Add</i>	159.98 13.71	25.95
10 56 13 16-0006 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf..... <i>For >75" To 87" High, Add</i>	204.45 18.00	28.20
10 56 13 16-0007 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf..... <i>For >75" To 87" High, Add</i>	229.50 20.34	29.33



Specialties	10	10
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13 16-0008 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf <i>For >75" To 87" High, Add</i>	220.62 19.30	31.59
10 56 13 16-0009 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf <i>For >75" To 87" High, Add</i>	245.44 21.61	33.84
10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001) Note: Adjustable shelves.		
10 56 13 16-0011 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	121.40	11.50
10 56 13 16-0012 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	119.88	12.30
10 56 13 16-0013 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	134.84	13.08
10 56 13 16-0014 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	140.17	13.88
10 56 13 16-0015 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	161.74	14.78
10 56 13 16-0016 4 Shelf Unit, 40" High Unit (10 56 13 16-0001)		
10 56 13 16-0017 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	140.38	22.56
10 56 13 16-0018 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	113.12	23.69
10 56 13 16-0019 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	129.99	25.95
10 56 13 16-0020 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	136.94	28.20
10 56 13 16-0021 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	156.85	29.33
10 56 16 Fabricated Wood Storage Shelving (10 56)		
10 56 16 00-0001 Shelving (10 56 16)		
10 56 16 00-0002 Built-In Wood Shelving (10 56 16 00-0001) Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003 SF Built-in Wood Storage Shelving Post And Trimmed Plywood <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	24.68 0.69 2.32	3.20
10 56 16 00-0004 SF Built-in Wood Storage Shelving Post And Solid Clear Pine <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	26.60 0.69 2.32	3.84
10 56 16 00-0005 SF Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	26.94 0.69 2.32	6.40
10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0007 LF 1" x 8" White Pine Clear Grade Wood Shelving.....	20.51	7.69
10 56 16 00-0008 LF 1" x 10" White Pine Clear Grade Wood Shelving.....	22.53	8.19
10 56 16 00-0009 LF 1" x 12" White Pine Clear Grade Wood Shelving.....	24.80	8.83
10 56 16 00-0010 SF Wood Shelving, 2" White Pine Clear Grade.....	32.29	
10 56 16 00-0011 Plywood Shelf With Edge Band (10 56 16 00-0001)		
10 56 16 00-0012 LF 12" Wide, 3/4" Plywood Shelf With Edge Band.....	25.04	7.69
10 56 16 00-0013 LF 24" Wide, 3/4" Plywood Shelf With Edge Band.....	38.99	9.60
10 56 16 00-0014 Adjustable Shelf And Rod (10 56 16 00-0001)		
10 56 16 00-0015 EA 12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	221.45	28.81
10 56 16 00-0016 EA 12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	261.31	38.41
10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)		
10 56 16 00-0018 LF Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	21.71	7.69
10 56 16 00-0019 LF Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	23.62	8.19
10 56 16 00-0020 SF Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	75.73	12.81
10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0022 LF Wood Shelving, 1" X 8" Oak Clear Grade.....	24.52	12.04
10 56 17 Wall-Mounted Standards and Shelving (10 56)		
10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002 LF 8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	91.15 3.50 4.62	12.70
10 56 17 00-0003 LF 10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	94.32 3.50 4.62	12.70
10 56 17 00-0004 LF 12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	101.68 3.50 4.62	12.70

10 Specialties**10 50 Storage Specialties****10 56 Storage Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0005 LF 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	111.19	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0006 LF 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	113.54	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0007 LF 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	133.91	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	148.89	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	163.31	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	177.80	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	211.10	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	230.80	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	259.27	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016 LF 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	61.16	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0017 LF 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	63.31	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0018 LF 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	65.91	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0019 LF 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	69.68	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0020 LF 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	74.24	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0021 LF 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	86.51	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023 LF 14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	89.13	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0024 LF 18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	100.23	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026 LF 14" Depth, Stainless Steel, Wall Mounted Wire Shelving.....	209.74	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0027 LF 18" Depth, Stainless Steel, Wall Mounted Wire Shelving.....	218.24	12.70
For Installation On Concrete Walls, Add	3.50	
For Installation On Concrete Block Walls, Add	4.62	
10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029 LF 8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	63.67	12.70
For Installation On Concrete Walls, Add	4.90	
For Installation On Concrete Block Walls, Add	6.02	
10 56 17 00-0030 LF 10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	65.14	12.70
For Installation On Concrete Walls, Add	4.93	
For Installation On Concrete Block Walls, Add	6.05	



Specialties	10	10
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0031 LF 12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	66.11 4.96 6.08	12.70
10 56 17 00-0032 LF 16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	69.56 5.03 6.15	12.70
10 56 17 00-0033 LF 18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	71.32 5.06 6.18	12.70
10 56 17 00-0034 LF 24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	76.61 5.16 6.28	12.70
10 56 17 00-0035 Wall Mounted Shelving Accessories (10 56 17)		
10 56 17 00-0036 LF Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	36.94	

10 57 Wardrobe And Closet Specialties (10 50)

10 57 13 Hat And Coat Racks (10 57)

10 57 13 00-0001 Hat And Coat Rack (10 57 13)

10 57 13 00-0002 Single Tier (10 57 13 00-0001)

10 57 13 00-0003 LF Single Tier Hat And Coat Rack Baked Enameled Steel..... <i>For Custom Made Units, Add</i>	78.82 37.19	6.35
10 57 13 00-0004 LF Single Tier Hat And Coat Rack Stainless Steel <i>For Custom Made Units, Add</i>	53.43 21.96	6.35
10 57 13 00-0005 LF Single Tier Hat And Coat Rack Aluminum..... <i>For Custom Made Units, Add</i>	144.25 76.45	6.35

10 57 13 00-0006 Double Tier (10 57 13 00-0001)

10 57 13 00-0007 LF Double Tier Hat And Coat Rack Baked Enameled Steel <i>For Custom Made Units, Add</i>	105.97 51.10	6.35
10 57 13 00-0008 LF Double Tier Hat And Coat Rack Stainless Steel..... <i>For Custom Made Units, Add</i>	60.24 23.66	6.35
10 57 13 00-0009 LF Double Tier Hat And Coat Rack Aluminum..... <i>For Custom Made Units, Add</i>	246.11 135.18	6.35

10 57 43 Wardrobe Units (10 57)

10 57 43 00-0001 Dormitory Wardrobe Units (10 57 43)

10 57 43 00-0002 EA 24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door <i>For Custom Made Units, Add</i>	2,156.37 1,129.21	235.18
10 57 43 00-0003 EA 24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door..... <i>For Custom Made Units, Add</i>	1,661.13 832.06	235.18

10 70 Exterior Specialties (10)

10 71 Exterior Protection (10 70)

10 71 13 Exterior Sun Control Devices (10 71)

10 71 13 13 Exterior Shutters (10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished (10 71 13 13)

10 71 13 13-0002 Louvered Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0003 PR 15" x 25" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	120.50 12.48	38.36
10 71 13 13-0004 PR 15" x 31" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	130.54 13.83	40.28
10 71 13 13-0005 PR 15" x 36" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	140.61 15.18	42.19
10 71 13 13-0006 PR 15" x 39" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	149.80 16.38	44.12
10 71 13 13-0007 PR 15" x 43" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	160.19 17.79	46.04
10 71 13 13-0008 PR 15" x 48" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	171.02 19.27	47.96
10 71 13 13-0009 PR 15" x 52" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	178.44 20.15	49.87
10 71 13 13-0010 PR 15" x 55" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	186.67 21.17	51.79
10 71 13 13-0011 PR 15" x 60" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	197.65 22.69	53.71
10 71 13 13-0012 PR 15" x 64" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	212.28 24.86	55.63
10 71 13 13-0013 PR 15" x 67" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	219.32 25.67	57.54

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0014	PR		15" x 72" Louvered Shutter, High Impact Resistant Plastic.....	237.64	59.46
			<i>For Colored Finish, Add</i>	28.50	
10 71 13 13-0015	PR		15" x 75" Louvered Shutter, High Impact Resistant Plastic.....	244.60	61.38
			<i>For Colored Finish, Add</i>	29.30	
10 71 13 13-0016	PR		15" x 80" Louvered Shutter, High Impact Resistant Plastic.....	257.42	63.30
			<i>For Colored Finish, Add</i>	31.14	
10 71 13 13-0017			Raised Panel Decorative Shutters <small>(10 71 13 13-0001)</small>		
10 71 13 13-0018	PR		15" x 35" Raised Panel Shutter, High Impact Resistant Plastic.....	168.54	42.19
			<i>For Colored Finish, Add</i>	20.21	
10 71 13 13-0019	PR		15" x 39" Raised Panel Shutter, High Impact Resistant Plastic.....	180.55	44.12
			<i>For Colored Finish, Add</i>	21.91	
10 71 13 13-0020	PR		15" x 43" Raised Panel Shutter, High Impact Resistant Plastic.....	188.50	46.04
			<i>For Colored Finish, Add</i>	22.88	
10 71 13 13-0021	PR		15" x 47" Raised Panel Shutter, High Impact Resistant Plastic.....	200.86	47.96
			<i>For Colored Finish, Add</i>	24.65	
10 71 13 13-0022	PR		15" x 51" Raised Panel Shutter, High Impact Resistant Plastic.....	211.48	49.87
			<i>For Colored Finish, Add</i>	26.10	
10 71 13 13-0023	PR		15" x 55" Raised Panel Shutter, High Impact Resistant Plastic.....	221.52	51.79
			<i>For Colored Finish, Add</i>	27.44	
10 71 13 13-0024	PR		15" x 59" Raised Panel Shutter, High Impact Resistant Plastic.....	235.07	53.71
			<i>For Colored Finish, Add</i>	29.42	
10 71 13 13-0025	PR		15" x 63" Raised Panel Shutter, High Impact Resistant Plastic.....	252.90	55.63
			<i>For Colored Finish, Add</i>	32.17	
10 71 13 13-0026	PR		15" x 67" Raised Panel Shutter, High Impact Resistant Plastic.....	265.44	57.54
			<i>For Colored Finish, Add</i>	33.97	
10 71 13 13-0027	PR		15" x 71" Raised Panel Shutter, High Impact Resistant Plastic.....	279.55	59.46
			<i>For Colored Finish, Add</i>	36.05	
10 71 13 13-0028	PR		15" x 75" Raised Panel Shutter, High Impact Resistant Plastic.....	284.32	61.38
			<i>For Colored Finish, Add</i>	36.45	
10 71 13 13-0029	PR		15" x 81" Raised Panel Shutter, High Impact Resistant Plastic.....	294.53	63.30
			<i>For Colored Finish, Add</i>	37.82	
10 71 13 13-0030			Accordion Hurricane Impact Shutter <small>(10 71 13 13)</small>		
			Note: Add scaffolding after first floor.		
10 71 13 13-0031	SF		Aluminum Accordion Shutters, Ultraguard.....	40.18	5.75
10 71 13 13-0032			Exterior Spanish Cedar Shutters <small>(10 71 13 13)</small>		
10 71 13 13-0033			12" Width <small>(10 71 13 13-0032)</small>		
10 71 13 13-0034	PR		12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter.....	460.69	38.36
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0035	PR		12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter.....	497.93	42.19
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0036	PR		12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter.....	532.60	44.12
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0037	PR		12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter.....	569.84	47.96
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0038	PR		12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter.....	604.51	49.87
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0039	PR		12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter.....	644.42	53.71
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0040	PR		12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter.....	679.10	55.63
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0041	PR		12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter.....	713.78	57.54
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0042	PR		12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter.....	751.02	61.38
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0043			14" Width <small>(10 71 13 13-0032)</small>		
10 71 13 13-0044	PR		14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter.....	487.45	38.36
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0045	PR		14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter.....	530.05	42.19
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0046	PR		14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter.....	570.07	44.12
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0047	PR		14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter.....	612.66	47.96
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0048	PR		14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter.....	652.69	49.87
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0049	PR		14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter.....	695.28	53.71
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0050	PR		14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter.....	735.31	55.63
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0051	PR		14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter.....	772.67	57.54
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0052	PR		14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter.....	815.26	61.38
			<i>For Arched Tops, Add</i>	150.00	



Specialties	10
Exterior Specialties	10 70
Exterior Protection	10 71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0053 16" Width <small>(10 71 13 13-0032)</small>		
10 71 13 13-0054 PR 16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	516.90	38.36
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0055 PR 16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	562.17	42.19
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0056 PR 16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	607.54	44.12
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0057 PR 16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	652.81	47.96
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0058 PR 16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	698.19	49.87
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0059 PR 16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	746.14	53.71
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0060 PR 16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	788.85	55.63
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0061 PR 16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	834.24	57.54
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0062 PR 16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	882.17	61.38
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0063 18" Width <small>(10 71 13 13-0032)</small>		
10 71 13 13-0064 PR 18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	543.66	38.36
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0065 PR 18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	594.29	42.19
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0066 PR 18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	645.02	44.12
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0067 PR 18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	695.64	47.96
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0068 PR 18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	743.70	49.87
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0069 PR 18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	797.00	53.71
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0070 PR 18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	845.06	55.63
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0071 PR 18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	895.80	57.54
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0072 PR 18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	946.41	61.38
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0073 20" Width <small>(10 71 13 13-0032)</small>		
10 71 13 13-0074 PR 20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	570.43	38.36
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0075 PR 20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	626.41	42.19
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0076 PR 20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	679.81	44.12
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0077 PR 20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	738.47	47.96
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0078 PR 20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	791.88	49.87
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0079 PR 20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	847.85	53.71
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0080 PR 20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	901.27	55.63
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0081 PR 20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	954.69	57.54
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0082 PR 20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,010.65	61.38
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0083 Heavy Duty Exterior True Louver Shutters, Western Red Cedar <small>(10 71 13 13)</small>		
10 71 13 13-0084 12" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0085 PR 12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	521.30	38.36
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0086 PR 12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	555.15	40.28
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0087 PR 12" x 44" Louver Shutter, Heavy Duty Red Cedar	604.65	42.19
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0088 PR 12" x 47" Louver Shutter, Heavy Duty Red Cedar	638.50	44.12
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0089 PR 12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	688.00	46.04
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0090 PR 12" x 56" Louver Shutter, Heavy Duty Red Cedar	737.50	47.96
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0091 PR 12" x 59" Louver Shutter, Heavy Duty Red Cedar	771.35	49.87
<i>For Arched Tops, Add</i>	<i>150.00</i>	
10 71 13 13-0092 PR 12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	820.85	51.79
<i>For Arched Tops, Add</i>	<i>150.00</i>	

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0093 PR 12" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	870.35 150.00	53.71
10 71 13 13-0094 PR 12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	919.85 150.00	55.63
10 71 13 13-0095 PR 12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	953.71 150.00	57.54
10 71 13 13-0096 PR 12" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,003.21 150.00	59.46
10 71 13 13-0097 PR 12" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,037.05 150.00	61.38
10 71 13 13-0098 14" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0099 PR 14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	584.75 150.00	38.36
10 71 13 13-0100 PR 14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	623.83 150.00	40.28
10 71 13 13-0101 PR 14" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	681.15 150.00	42.19
10 71 13 13-0102 PR 14" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	720.21 150.00	44.12
10 71 13 13-0103 PR 14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	777.53 150.00	46.04
10 71 13 13-0104 PR 14" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	834.86 150.00	47.96
10 71 13 13-0105 PR 14" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	873.92 150.00	49.87
10 71 13 13-0106 PR 14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	931.25 150.00	51.79
10 71 13 13-0107 PR 14" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	988.58 150.00	53.71
10 71 13 13-0108 PR 14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,045.90 150.00	55.63
10 71 13 13-0109 PR 14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,084.97 150.00	57.54
10 71 13 13-0110 PR 14" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,142.30 150.00	59.46
10 71 13 13-0111 PR 14" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,181.35 150.00	61.38
10 71 13 13-0112 15" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0113 PR 15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	616.48 150.00	38.36
10 71 13 13-0114 PR 15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	658.16 150.00	40.28
10 71 13 13-0115 PR 15" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	719.40 150.00	42.19
10 71 13 13-0116 PR 15" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	761.07 150.00	44.12
10 71 13 13-0117 PR 15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	822.30 150.00	46.04
10 71 13 13-0118 PR 15" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	883.54 150.00	47.96
10 71 13 13-0119 PR 15" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	925.21 150.00	49.87
10 71 13 13-0120 PR 15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	986.45 150.00	51.79
10 71 13 13-0121 PR 15" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,047.69 150.00	53.71
10 71 13 13-0122 PR 15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,108.93 150.00	55.63
10 71 13 13-0123 PR 15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,150.60 150.00	57.54
10 71 13 13-0124 PR 15" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,211.84 150.00	59.46
10 71 13 13-0125 PR 15" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,253.50 150.00	61.38
10 71 13 13-0126 16" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0127 PR 16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	648.21 150.00	38.36
10 71 13 13-0128 PR 16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	681.63 150.00	40.28
10 71 13 13-0129 PR 16" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	757.65 150.00	42.19
10 71 13 13-0130 PR 16" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	801.93 150.00	44.12
10 71 13 13-0131 PR 16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	867.07 150.00	46.04
10 71 13 13-0132 PR 16" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	932.22 150.00	47.96



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0133	PR	16" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	976.50 150.00	49.87
10 71	13 13-0134	PR	16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,041.65 150.00	51.79
10 71	13 13-0135	PR	16" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,106.80 150.00	53.71
10 71	13 13-0136	PR	16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,171.95 150.00	55.63
10 71	13 13-0137	PR	16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,216.24 150.00	57.54
10 71	13 13-0138	PR	16" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,281.39 150.00	59.46
10 71	13 13-0139	PR	16" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,325.65 150.00	61.38
10 71 13 13-0140 18" Width <small>(10 71 13 13-0083)</small>					
10 71	13 13-0141	PR	18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	711.67 150.00	38.36
10 71	13 13-0142	PR	18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	761.17 150.00	40.28
10 71	13 13-0143	PR	18" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	834.15 150.00	42.19
10 71	13 13-0144	PR	18" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	883.64 150.00	44.12
10 71	13 13-0145	PR	18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	956.60 150.00	46.04
10 71	13 13-0146	PR	18" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,029.59 150.00	47.96
10 71	13 13-0147	PR	18" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,079.08 150.00	49.87
10 71	13 13-0148	PR	18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,152.05 150.00	51.79
10 71	13 13-0149	PR	18" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,225.03 150.00	53.71
10 71	13 13-0150	PR	18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,298.00 150.00	55.63
10 71	13 13-0151	PR	18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,347.50 150.00	57.54
10 71	13 13-0152	PR	18" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,420.47 150.00	59.46
10 71	13 13-0153	PR	18" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,469.96 150.00	61.38
10 71 13 13-0154 Exterior Cypress Fixed Louver Wood Shutters <small>(10 71 13 13)</small>					
10 71 13 13-0155 6" Through 8" Width <small>(10 71 13 13-0154)</small>					
10 71	13 13-0156	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	648.91 65.00	36.44
10 71	13 13-0157	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	730.10 65.00	37.47
10 71	13 13-0158	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	811.52 65.00	38.36
10 71	13 13-0159	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	894.10 65.00	40.28
10 71	13 13-0160	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	976.71 65.00	42.19
10 71	13 13-0161	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,059.30 65.00	44.12
10 71	13 13-0162	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,141.88 65.00	46.04
10 71	13 13-0163	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,224.49 65.00	47.96
10 71	13 13-0164	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,307.09 65.00	49.87
10 71	13 13-0165	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,389.66 65.00	51.79
10 71	13 13-0166	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,472.27 65.00	53.71
10 71	13 13-0167	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,554.88 65.00	55.63
10 71	13 13-0168	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,637.48 65.00	57.54
10 71	13 13-0169	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,720.09 65.00	59.46
10 71 13 13-0170 10" Through 12" Width <small>(10 71 13 13-0154)</small>					
10 71	13 13-0171	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	754.84 65.00	36.44
10 71	13 13-0172	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	850.25 65.00	37.47

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0173 PR 10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	945.71	38.36
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0174 PR 10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,042.44	40.28
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0175 PR 10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,139.14	42.19
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0176 PR 10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,235.86	44.12
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0177 PR 10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,332.59	46.04
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0178 PR 10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,429.30	47.96
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0179 PR 10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,526.02	49.87
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0180 PR 10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,622.76	51.79
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0181 PR 10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,719.46	53.71
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0182 PR 10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,816.19	55.63
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0183 PR 10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,912.89	57.54
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0184 PR 10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,009.63	59.46
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0185 14" Through 16" Width <small>(10 71 13 13-0154)</small>		
10 71 13 13-0186 PR 14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	990.24	36.44
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0187 PR 14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,117.07	37.47
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0188 PR 14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,243.87	38.36
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0189 PR 14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,371.98	40.28
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0190 PR 14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,500.10	42.19
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0191 PR 14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,628.20	44.12
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0192 PR 14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,756.31	46.04
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0193 PR 14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,884.43	47.96
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0194 PR 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,886.98	49.87
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0195 PR 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,140.65	51.79
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0196 PR 14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,268.76	53.71
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0197 PR 14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,396.85	55.63
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0198 PR 14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,524.96	57.54
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0199 PR 14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,653.07	59.46
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0200 18" Through 20" Width <small>(10 71 13 13-0154)</small>		
10 71 13 13-0201 PR 18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	1,107.93	36.44
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0202 PR 18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,250.46	37.47
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0203 PR 18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,392.97	38.36
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0204 PR 18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,535.47	40.28
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0205 PR 18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,680.58	42.19
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0206 PR 18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,824.39	44.12
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0207 PR 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,968.16	46.04
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0208 PR 18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,112.00	47.96
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0209 PR 18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,255.77	49.87
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0210 PR 18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,399.60	51.79
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0211 PR 18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,543.38	53.71
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0212 PR 18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,687.20	55.63
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0213 PR 18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,830.99	57.54
<i>For Arched Tops, Add</i>	65.00	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0214 PR 18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,974.81 65.00	59.46
10 71 13 13-0215 22" Through 24" Width <small>(10 71 13 13-0154)</small>		
10 71 13 13-0216 PR 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,461.05 65.00	36.44
10 71 13 13-0217 PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,650.63 65.00	37.47
10 71 13 13-0218 PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,840.26 65.00	38.36
10 71 13 13-0219 PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,031.14 65.00	40.28
10 71 13 13-0220 PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,222.01 65.00	42.19
10 71 13 13-0221 PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,412.91 65.00	44.12
10 71 13 13-0222 PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,603.77 65.00	46.04
10 71 13 13-0223 PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,794.66 65.00	47.96
10 71 13 13-0224 PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,985.56 65.00	49.87
10 71 13 13-0225 PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,176.43 65.00	51.79
10 71 13 13-0226 PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,367.31 65.00	53.71
10 71 13 13-0227 PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,558.22 65.00	55.63
10 71 13 13-0228 PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,749.09 65.00	57.54
10 71 13 13-0229 PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,939.97 65.00	59.46
10 71 13 13-0230 26" Through 28" Width <small>(10 71 13 13-0154)</small>		
10 71 13 13-0231 PR 26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,672.91 65.00	36.44
10 71 13 13-0232 PR 26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,890.74 65.00	37.47
10 71 13 13-0233 PR 26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,108.62 65.00	38.36
10 71 13 13-0234 PR 26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,327.75 65.00	40.28
10 71 13 13-0235 PR 26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,546.88 65.00	42.19
10 71 13 13-0236 PR 26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,766.03 65.00	44.12
10 71 13 13-0237 PR 26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,985.15 65.00	46.04
10 71 13 13-0238 PR 26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,204.28 65.00	47.96
10 71 13 13-0239 PR 26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,423.43 65.00	49.87
10 71 13 13-0240 PR 26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,642.53 65.00	51.79
10 71 13 13-0241 PR 26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,861.66 65.00	53.71
10 71 13 13-0242 PR 26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	4,080.82 65.00	55.63
10 71 13 13-0243 PR 26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	4,299.94 65.00	57.54
10 71 13 13-0244 PR 26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	4,519.04 65.00	59.46
10 71 13 13-0245 Pine Louvered Shutters <small>(10 71 13 13)</small>		
10 71 13 13-0246 12" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0247 PR 12" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	373.52 65.00	38.36
10 71 13 13-0248 PR 12" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	389.73 65.00	40.28
10 71 13 13-0249 PR 12" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	405.76 65.00	42.19
10 71 13 13-0250 PR 12" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	421.86 65.00	44.12
10 71 13 13-0251 PR 12" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	437.89 65.00	46.04
10 71 13 13-0252 PR 12" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	454.00 65.00	47.96
10 71 13 13-0253 PR 12" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	470.13 65.00	49.87

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0254 PR 12" x 63" Pine Louvered Shutter	486.35	51.79
For Arched Tops, Add	65.00	
10 71 13 13-0255 PR 12" x 67" Pine Louvered Shutter	502.46	53.71
For Arched Tops, Add	65.00	
10 71 13 13-0256 PR 12" x 71" Pine Louvered Shutter	518.60	55.63
For Arched Tops, Add	65.00	
10 71 13 13-0257 PR 12" x 75" Pine Louvered Shutter	534.71	57.54
For Arched Tops, Add	65.00	
10 71 13 13-0258 14" Width (10 71 13 13-0245)		
10 71 13 13-0259 PR 14" x 35" Pine Louvered Shutter	412.45	38.36
For Arched Tops, Add	65.00	
10 71 13 13-0260 PR 14" x 39" Pine Louvered Shutter	430.44	40.28
For Arched Tops, Add	65.00	
10 71 13 13-0261 PR 14" x 43" Pine Louvered Shutter	448.14	42.19
For Arched Tops, Add	65.00	
10 71 13 13-0262 PR 14" x 47" Pine Louvered Shutter	466.01	44.12
For Arched Tops, Add	65.00	
10 71 13 13-0263 PR 14" x 51" Pine Louvered Shutter	483.74	46.04
For Arched Tops, Add	65.00	
10 71 13 13-0264 PR 14" x 55" Pine Louvered Shutter	501.45	47.96
For Arched Tops, Add	65.00	
10 71 13 13-0265 PR 14" x 59" Pine Louvered Shutter	519.29	49.87
For Arched Tops, Add	65.00	
10 71 13 13-0266 PR 14" x 63" Pine Louvered Shutter	537.13	51.79
For Arched Tops, Add	65.00	
10 71 13 13-0267 PR 14" x 67" Pine Louvered Shutter	554.87	53.71
For Arched Tops, Add	65.00	
10 71 13 13-0268 PR 14" x 71" Pine Louvered Shutter	572.68	55.63
For Arched Tops, Add	65.00	
10 71 13 13-0269 PR 14" x 75" Pine Louvered Shutter	590.56	57.54
For Arched Tops, Add	65.00	
10 71 13 13-0270 15" Width (10 71 13 13-0245)		
10 71 13 13-0271 PR 15" x 35" Pine Louvered Shutter	431.47	38.36
For Arched Tops, Add	65.00	
10 71 13 13-0272 PR 15" x 39" Pine Louvered Shutter	450.11	40.28
For Arched Tops, Add	65.00	
10 71 13 13-0273 PR 15" x 43" Pine Louvered Shutter	468.82	42.19
For Arched Tops, Add	65.00	
10 71 13 13-0274 PR 15" x 47" Pine Louvered Shutter	487.38	44.12
For Arched Tops, Add	65.00	
10 71 13 13-0275 PR 15" x 51" Pine Louvered Shutter	506.05	46.04
For Arched Tops, Add	65.00	
10 71 13 13-0276 PR 15" x 55" Pine Louvered Shutter	524.70	47.96
For Arched Tops, Add	65.00	
10 71 13 13-0277 PR 15" x 59" Pine Louvered Shutter	543.37	49.87
For Arched Tops, Add	65.00	
10 71 13 13-0278 PR 15" x 63" Pine Louvered Shutter	561.98	51.79
For Arched Tops, Add	65.00	
10 71 13 13-0279 PR 15" x 67" Pine Louvered Shutter	580.58	53.71
For Arched Tops, Add	65.00	
10 71 13 13-0280 PR 15" x 71" Pine Louvered Shutter	599.19	55.63
For Arched Tops, Add	65.00	
10 71 13 13-0281 PR 15" x 75" Pine Louvered Shutter	617.87	57.54
For Arched Tops, Add	65.00	
10 71 13 13-0282 PR 15" x 81" Pine Louvered Shutter	644.55	59.46
For Arched Tops, Add	65.00	
10 71 13 13-0283 16" Width (10 71 13 13-0245)		
10 71 13 13-0284 PR 16" x 35" Pine Louvered Shutter	449.58	38.36
For Arched Tops, Add	65.00	
10 71 13 13-0285 PR 16" x 39" Pine Louvered Shutter	469.78	40.28
For Arched Tops, Add	65.00	
10 71 13 13-0286 PR 16" x 43" Pine Louvered Shutter	490.16	42.19
For Arched Tops, Add	65.00	
10 71 13 13-0287 PR 16" x 47" Pine Louvered Shutter	510.46	44.12
For Arched Tops, Add	65.00	
10 71 13 13-0288 PR 16" x 51" Pine Louvered Shutter	530.79	46.04
For Arched Tops, Add	65.00	
10 71 13 13-0289 PR 16" x 55" Pine Louvered Shutter	551.11	47.96
For Arched Tops, Add	65.00	
10 71 13 13-0290 PR 16" x 59" Pine Louvered Shutter	571.30	49.87
For Arched Tops, Add	65.00	
10 71 13 13-0291 PR 16" x 63" Pine Louvered Shutter	591.68	51.79
For Arched Tops, Add	65.00	
10 71 13 13-0292 PR 16" x 67" Pine Louvered Shutter	611.99	53.71
For Arched Tops, Add	65.00	
10 71 13 13-0293 PR 16" x 71" Pine Louvered Shutter	632.33	55.63
For Arched Tops, Add	65.00	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0294 PR 16" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	652.64 65.00	57.54
10 71 13 13-0295 PR 16" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	672.84 65.00	59.46
10 71 13 13-0296 18" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0297 PR 18" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	489.42 65.00	38.36
10 71 13 13-0298 PR 18" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	515.60 65.00	40.28
10 71 13 13-0299 PR 18" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	560.59 65.00	44.12
10 71 13 13-0300 PR 18" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	605.69 65.00	47.96
10 71 13 13-0301 PR 18" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	650.76 65.00	51.79
10 71 13 13-0302 PR 18" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	748.34 65.00	57.54
10 71 13 13-0303 PR 18" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	775.89 65.00	59.46
10 71 13 13-0304 Exterior Cedar Board N' Batten Wood Shutters <small>(10 71 13 13)</small>		
10 71 13 13-0305 8" Through 14" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0306 PR 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	740.09 65.00	36.44
10 71 13 13-0307 PR 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	971.85 65.00	37.47
10 71 13 13-0308 PR 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	973.13 65.00	38.36
10 71 13 13-0309 PR 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,206.19 65.00	40.28
10 71 13 13-0310 PR 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,208.75 65.00	42.19
10 71 13 13-0311 PR 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,211.30 65.00	44.12
10 71 13 13-0312 PR 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,444.36 65.00	46.04
10 71 13 13-0313 PR 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,446.92 65.00	47.96
10 71 13 13-0314 PR 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,449.47 65.00	49.87
10 71 13 13-0315 PR 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,682.52 65.00	51.79
10 71 13 13-0316 PR 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,685.08 65.00	53.71
10 71 13 13-0317 PR 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,918.14 65.00	55.63
10 71 13 13-0318 PR 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,920.70 65.00	57.54
10 71 13 13-0319 PR 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,923.26 65.00	59.46
10 71 13 13-0320 PR 8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,925.81 65.00	61.38
10 71 13 13-0321 15" Through 16" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0322 PR 15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	970.58 65.00	36.44
10 71 13 13-0323 PR 15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	971.85 65.00	37.47
10 71 13 13-0324 PR 15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,203.63 65.00	38.36
10 71 13 13-0325 PR 15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,206.19 65.00	40.28
10 71 13 13-0326 PR 15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,439.25 65.00	42.19
10 71 13 13-0327 PR 15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,441.80 65.00	44.12
10 71 13 13-0328 PR 15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,444.35 65.00	46.04
10 71 13 13-0329 PR 15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,677.41 65.00	47.96
10 71 13 13-0330 PR 15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,679.96 65.00	49.87
10 71 13 13-0331 PR 15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,913.02 65.00	51.79
10 71 13 13-0332 PR 15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,915.58 65.00	53.71
10 71 13 13-0333 PR 15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	2,148.63 65.00	55.63

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0334 PR 15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,151.19 65.00	57.54
10 71 13 13-0335 PR 15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,384.25 65.00	59.46
10 71 13 13-0336 PR 15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,386.79 65.00	61.38
10 71 13 13-0337 17" Through 18" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0338 PR 17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	970.58 65.00	36.44
10 71 13 13-0339 PR 17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,202.35 65.00	37.47
10 71 13 13-0340 PR 17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,203.63 65.00	38.36
10 71 13 13-0341 PR 17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,436.69 65.00	40.28
10 71 13 13-0342 PR 17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,439.25 65.00	42.19
10 71 13 13-0343 PR 17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,672.29 65.00	44.12
10 71 13 13-0344 PR 17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,674.84 65.00	46.04
10 71 13 13-0345 PR 17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,907.91 65.00	47.96
10 71 13 13-0346 PR 17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,910.46 65.00	49.87
10 71 13 13-0347 PR 17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,143.51 65.00	51.79
10 71 13 13-0348 PR 17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,146.07 65.00	53.71
10 71 13 13-0349 PR 17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,379.13 65.00	55.63
10 71 13 13-0350 PR 17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,381.69 65.00	57.54
10 71 13 13-0351 PR 17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,614.75 65.00	59.46
10 71 13 13-0352 PR 17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,617.29 65.00	61.38
10 71 13 13-0353 19" Through 20" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0354 PR 19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,201.08 65.00	36.44
10 71 13 13-0355 PR 19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,202.35 65.00	37.47
10 71 13 13-0356 PR 19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,434.13 65.00	38.36
10 71 13 13-0357 PR 19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,436.69 65.00	40.28
10 71 13 13-0358 PR 19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,669.74 65.00	42.19
10 71 13 13-0359 PR 19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,672.29 65.00	44.12
10 71 13 13-0360 PR 19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,905.34 65.00	46.04
10 71 13 13-0361 PR 19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,138.40 65.00	47.96
10 71 13 13-0362 PR 19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,140.95 65.00	49.87
10 71 13 13-0363 PR 19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,374.01 65.00	51.79
10 71 13 13-0364 PR 19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,376.57 65.00	53.71
10 71 13 13-0365 PR 19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,609.63 65.00	55.63
10 71 13 13-0366 PR 19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,612.19 65.00	57.54
10 71 13 13-0367 PR 19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,845.24 65.00	59.46
10 71 13 13-0368 PR 19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,847.78 65.00	61.38
10 71 13 13-0369 21" Through 22" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0370 PR 21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,201.08 65.00	36.44
10 71 13 13-0371 PR 21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,202.35 65.00	37.47
10 71 13 13-0372 PR 21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,434.13 65.00	38.36
10 71 13 13-0373 PR 21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,667.18 65.00	40.28



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0374 PR 21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,669.74 65.00	42.19
10 71 13 13-0375 PR 21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,902.79 65.00	44.12
10 71 13 13-0376 PR 21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,905.34 65.00	46.04
10 71 13 13-0377 PR 21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,138.40 65.00	47.96
10 71 13 13-0378 PR 21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,371.45 65.00	49.87
10 71 13 13-0379 PR 21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,374.01 65.00	51.79
10 71 13 13-0380 PR 21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,607.07 65.00	53.71
10 71 13 13-0381 PR 21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,609.63 65.00	55.63
10 71 13 13-0382 PR 21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,842.68 65.00	57.54
10 71 13 13-0383 PR 21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,845.24 65.00	59.46
10 71 13 13-0384 PR 21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,847.78 65.00	61.38
10 71 13 13-0385 22" Through 24" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0386 PR 22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,201.08 65.00	36.44
10 71 13 13-0387 PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,432.85 65.00	37.47
10 71 13 13-0388 PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,434.13 65.00	38.36
10 71 13 13-0389 PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,667.18 65.00	40.28
10 71 13 13-0390 PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,900.24 65.00	42.19
10 71 13 13-0391 PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,902.79 65.00	44.12
10 71 13 13-0392 PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,135.83 65.00	46.04
10 71 13 13-0393 PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,138.40 65.00	47.96
10 71 13 13-0394 PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,371.45 65.00	49.87
10 71 13 13-0395 PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,604.51 65.00	51.79
10 71 13 13-0396 PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,607.07 65.00	53.71
10 71 13 13-0397 PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,840.12 65.00	55.63
10 71 13 13-0398 PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,842.68 65.00	57.54
10 71 13 13-0399 PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	3,075.74 65.00	59.46
10 71 13 13-0400 PR 22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	3,078.28 65.00	61.38
10 71 13 13-0401 Accessories <small>(10 71 13 13)</small>		
10 71 13 13-0402 PR Surface Mounted Pintel, Stainless Steel	71.68	
10 71 13 13-0403 PR Lag Pintel, Stainless Steel	71.68	
10 71 13 13-0404 PR 10" Strap Hinge, Stainless Steel	106.83	
10 71 13 13-0405 PR 6" L-Hinge, Stainless Steel	98.95	
10 71 13 13-0406 PR Hinge Set, Galvanized And Painted	89.91	
10 71 13 13-0407 PR Acorn Holdback	82.22	
10 71 13 13-0408 PR 'S' Holdback, Stainless Steel	69.48	
10 71 13 13-0409 PR 'S' Holdback, Galvanized And Painted	65.54	
10 73 Protective Covers <small>(10 70)</small>		
10 73 13 Awnings <small>(10 73)</small>		
10 73 13 13 Metal Awnings <small>(10 73 13)</small>		
10 73 13 13-0001 Metal Awnings <small>(10 73 13 13)</small>		
Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002 SF Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	77.44	9.18
10 73 13 13-0003 SF Baked Enamel Finish, Ribbed Aluminum Window Awning	68.49	8.23
10 73 13 13-0004 SF Flat Roofed Steel Awning	241.83	9.54
Note: Per SF of covered area		
10 73 13 13-0005 SF Arched Roofed Steel Awning (Per SF Of Covered Area)	249.55	10.72

10	10	Specialties
	10 70	Exterior Specialties
	10 73	Protective Covers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 73 13 23 Fabric Awnings (10 73 13)

10 73 13 23-0001	Canvas Awnings <small>(10 73 13 23)</small>		
	Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002	SF Canvas Awning, Waterproof Fabric Tubular Metal Framing	76.33	8.40
10 73 13 23-0003	SF Side Protection Canvas For Walkways (Per SF Of Wall Area)	43.54	2.71
10 73 13 23-0004	SF Removal And Replacement Of Canvas For Awnings	29.04	
	Note: Includes removal of existing canvas cover.		
	<i>For 18 Oz. Vinyl Laminated Polyester Cover, Add</i>	<i>0.94</i>	

10 73 16 Canopies (10 73)

10 73 16 13 Metal Canopies (10 73 16)

10 73 16 13-0001	Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished <small>(10 73 16 13)</small>		
	Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA 8' x 10' Canopy, Aluminum, Wall Hung	7,364.35	601.78
10 73 16 13-0003	EA 8' x 20' Canopy, Aluminum, Wall Hung	13,598.08	963.09
10 73 16 13-0004	EA 10' x 10' Canopy, Aluminum, Wall Hung	9,070.58	752.97
10 73 16 13-0005	EA 10' x 20' Canopy, Aluminum, Wall Hung	16,477.65	1,006.87

10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings (10 73 26)

10 73 26 13-0001	Steel Walkway/Parking Covers <small>(10 73 26 13)</small>		
	Note: Factory applied polyester finish.		
10 73 26 13-0002	SF Flat Roofed Steel Walkway/Parking Cover	121.06	8.39
	Note: Includes factory applied polyester finish.		
	<i>For Snow Load (30 PSF), Add</i>	<i>41.71</i>	
	<i>For Wind Load (140 MPH), Add</i>	<i>52.14</i>	
10 73 26 13-0003	SF Arch Roofed Steel Walkway/Parking Cover	128.88	9.04
	Note: Includes factory applied polyester finish.		
	<i>For Snow Load (30 PSF), Add</i>	<i>44.32</i>	
	<i>For Wind Load (140 MPH), Add</i>	<i>55.40</i>	

10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005	SF Flat Roofed Aluminum Walkway/Parking Cover	70.19	8.39
	Note: Includes factory applied polyester finish.		
	<i>For Snow Load (30 PSF), Add</i>	<i>21.36</i>	
	<i>For Wind Load (140 MPH), Add</i>	<i>26.70</i>	
10 73 26 13-0006	SF Arch Roofed Aluminum Walkway/Parking Cover	76.33	9.04
	Note: Includes factory applied polyester finish.		
	<i>For Snow Load (30 PSF), Add</i>	<i>23.30</i>	
	<i>For Wind Load (140 MPH), Add</i>	<i>29.13</i>	

10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001	Free Standing Tapered Fiberglass Flagpoles <small>(10 75 16)</small>		
	Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0002	EA 25' Exposed Height, Tapered White Fiberglass Flagpole	3,640.42	986.61
	Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
	<i>For Internal Halyard, Cam System, Add</i>	<i>300.00</i>	
	<i>For Bronze Finish, Add</i>	<i>20.00</i>	
	<i>For Rope Lock Box, Add</i>	<i>96.00</i>	
10 75 16 00-0003	EA 30' Exposed Height, Tapered White Fiberglass Flagpole	3,900.25	1,076.30
	Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
	<i>For Internal Halyard, Cam System, Add</i>	<i>300.00</i>	
	<i>For Bronze Finish, Add</i>	<i>50.00</i>	
	<i>For Rope Lock Box, Add</i>	<i>96.00</i>	
10 75 16 00-0004	EA 35' Exposed Height, Tapered White Fiberglass Flagpole	4,866.99	1,255.68
	Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
	<i>For Internal Halyard, Cam System, Add</i>	<i>300.00</i>	
	<i>For Bronze Finish, Add</i>	<i>10.00</i>	
	<i>For Rope Lock Box, Add</i>	<i>96.00</i>	
10 75 16 00-0005	EA 40' Exposed Height, Tapered White Fiberglass Flagpole	5,638.12	1,435.07
	Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
	<i>For Internal Halyard, Cam System, Add</i>	<i>300.00</i>	
	<i>For Bronze Finish, Add</i>	<i>50.00</i>	
	<i>For Rope Lock Box, Add</i>	<i>96.00</i>	
10 75 16 00-0006	EA 50' Exposed Height, Tapered White Fiberglass Flagpole	10,014.08	1,614.45
	Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
	<i>For Internal Halyard, Winch System, Add</i>	<i>1,700.00</i>	
	<i>For Bronze Finish, Add</i>	<i>200.00</i>	
	<i>For Rope Lock Box, Add</i>	<i>96.00</i>	



Specialties	10	10
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0007	EA		60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	11,865.73 1,900.00 160.00 96.00	1,793.83
10 75 16 00-0008	EA		70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	19,958.29 2,860.00 700.00 96.00	1,973.22
10 75 16 00-0009	EA		78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	25,684.91 2,900.00 900.00 96.00	2,152.60
10 75 16 00-0010			Free Standing Tapered Aluminum Flagpoles^(10 75 16) Note: Heavy duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0011	EA		20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	3,624.13 570.00 150.00 180.00 230.00 96.00	896.92
10 75 16 00-0012	EA		25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,315.79 1,100.00 200.00 230.00 320.00 96.00	986.61
10 75 16 00-0013	EA		30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,790.85 1,390.00 300.00 375.00 450.00 96.00	1,076.30
10 75 16 00-0014	EA		35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	6,087.54 1,340.00 290.00 360.00 480.00 96.00	1,255.68
10 75 16 00-0015	EA		40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	7,528.62 1,490.00 390.00 480.00 660.00 96.00	1,435.07
10 75 16 00-0016	EA		45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	8,335.81 1,340.00 400.00 500.00 700.00 96.00	1,524.76
10 75 16 00-0017	EA		50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	10,485.99 1,380.00 700.00 860.00 1,130.00 96.00	1,614.45
10 75 16 00-0018	EA		60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	18,006.66 1,800.00 620.00 820.00 1,160.00 96.00	1,793.83
10 75 16 00-0019	EA		70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	19,707.68 1,720.00 710.00 950.00 1,360.00 96.00	1,973.22

10	10	Specialties
	10 70	Exterior Specialties
	10 75	Flagpoles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	24,657.90 2,600.00 1,100.00 1,380.00 1,840.00 96.00	2,152.60
10 75 16 00-0021 Flagpole Bases <small>(10 75 16)</small>		
10 75 16 00-0022 Flagpole Concrete Base <small>(10 75 16 00-0021)</small> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023 EA 30' Or Less Flagpole, Poured Concrete Foundation.....	1,798.11	
10 75 16 00-0024 EA 35' Flagpole, Poured Concrete Foundation.....	1,861.75	
10 75 16 00-0025 EA 40' Flagpole, Poured Concrete Foundation.....	2,134.75	
10 75 16 00-0026 EA 45' Flagpole, Poured Concrete Foundation.....	2,259.88	
10 75 16 00-0027 EA 50' Flagpole, Poured Concrete Foundation.....	2,712.86	
10 75 16 00-0028 EA 60' Flagpole, Poured Concrete Foundation.....	3,284.47	
10 75 16 00-0029 EA 70' Flagpole, Poured Concrete Foundation.....	3,896.96	
10 75 16 00-0030 EA 80' Flagpole, Poured Concrete Foundation.....	4,538.22	
10 75 16 00-0031 EA 90' To 100' Flagpole, Poured Concrete Foundation.....	5,301.06	
10 75 16 00-0032 Direct Embedded Flagpole Base <small>(10 75 16 00-0021)</small> Note: Augured in place, no concrete required.		
10 75 16 00-0033 EA 20' To 25' Flagpole, Direct Embedded Pole Base.....	730.30	
10 75 16 00-0034 EA 30' To 40' Flagpole, Direct Embedded Pole Base.....	1,047.99	
10 75 16 00-0035 EA 45' To 55' Flagpole, Direct Embedded Pole Base.....	1,170.58	
10 75 16 00-0036 EA 60' To 70' Flagpole, Direct Embedded Pole Base.....	1,317.44	
10 75 16 00-0037 Flagpole Accessories <small>(10 75 16)</small>		
10 75 16 00-0038 Flagpole Tops <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039 EA 4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	148.41	53.99
10 75 16 00-0040 EA 5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	161.98	57.17
10 75 16 00-0041 EA 6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	181.33	60.35
10 75 16 00-0042 EA 8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	236.79	63.51
10 75 16 00-0043 EA 10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	312.46	66.69
10 75 16 00-0044 EA 12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	349.13	69.87
10 75 16 00-0045 EA 11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	318.81	69.87
10 75 16 00-0046 EA 15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	371.07	79.40
10 75 16 00-0047 Flagpole Accessories <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048 LF 5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.42	0.09
10 75 16 00-0049 LF 5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.70	0.09
10 75 16 00-0050 LF 5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.54	0.09
10 75 16 00-0051 LF 3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.88	0.09
10 75 16 00-0052 EA Refinish Existing Flagpole Ball.....	430.38	158.73
10 75 16 00-0053 EA Locking Aluminum Cleat Box For Flagpoles.....	369.63	95.24
10 75 16 00-0054 EA Aluminum Cleat For Flagpoles.....	31.04	6.35
10 75 16 00-0055 LF 1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.71	0.11
10 75 23 Wall-Mounted Flagpoles <small>(10 75)</small>		
10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles <small>(10 75 23)</small> Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002 EA 14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	2,396.67 60.00 80.00 90.00 96.00	786.77
10 75 23 00-0003 EA 17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	2,597.34 70.00 80.00 100.00 96.00	865.45
10 75 23 00-0004 EA 20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	2,812.46 70.00 110.00 120.00 96.00	944.12
10 75 23 00-0005 EA 25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,257.14 70.00 90.00 100.00 96.00	1,101.48



Specialties	10	10
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 75 23 00-0006	Outrigger, Wall Mounted Tapered Aluminum Flagpoles <small>(10 75 23)</small> Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA 10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish <i>For Rope Lock Box, Add</i>	3,206.84 96.00	708.10
10 75 23 00-0008	EA 15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish <i>For Rope Lock Box, Add</i>	3,450.84 96.00	786.77
10 75 23 00-0009	EA 20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish <i>For Rope Lock Box, Add</i>	3,823.32 96.00	944.12

10 80 Other Specialties (10)

10 81 Pest Control Devices (10 80)

10 81 13 Bird Control Devices (10 81)

10 81 13 00-0001	Stainless Steel Spiked Bird Barrier <small>(10 81 13)</small> Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF 2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.57	1.02
10 81 13 00-0003	LF 4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	12.78	1.02
10 81 13 00-0004	LF 8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	18.84	1.02

10 81 13 00-0005	Polycarbonate Spiked Bird Barrier <small>(10 81 13)</small> Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF 3" Wide Polycarbonate Spikes And Base Bird Deterrent System	9.76	1.02
10 81 13 00-0007	LF 5" Wide Polycarbonate Spikes And Base Bird Deterrent System	11.85	1.02
10 81 13 00-0008	LF 8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.12	1.02

10 81 13 00-0009	Spiked Gutter Or Girder Bird Barrier <small>(10 81 13)</small> Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.23	1.02

10 81 13 00-0011	Coil Bird Barrier <small>(10 81 13)</small> Note: Stainless steel coil.		
10 81 13 00-0012	LF 4" Diameter Stainless Steel Coil Bird Deterrent System	7.89	1.02
10 81 13 00-0013	LF 5" Diameter Stainless Steel Coil Bird Deterrent System	9.34	1.02

10 81 13 00-0014	Spider Bird Barrier <small>(10 81 13)</small> Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA 2' Diameter Stainless Steel Spider Bird Deterrent System	138.09	1.02
10 81 13 00-0016	EA 4' Diameter Stainless Steel Spider Bird Deterrent System	203.47	1.02
10 81 13 00-0017	EA 8' Diameter Stainless Steel Spider Bird Deterrent System	256.45	1.02

10 81 13 00-0018	Oriented Flexible Flame Resistant Netting <small>(10 81 13)</small> Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.98	0.34
10 81 13 00-0020	SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.94	0.34
10 81 13 00-0021	SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.91	0.34
10 81 13 00-0022	SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.87	0.34
10 81 13 00-0023	SF 1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.87	0.34
10 81 13 00-0024	SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.85	0.34
10 81 13 00-0025	SF 2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.83	0.34
10 81 13 00-0026	SF 3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.83	0.34
10 81 13 00-0027	SF 4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.79	0.34
10 81 13 00-0028	SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.89	0.34
10 81 13 00-0029	SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.84	0.34
10 81 13 00-0030	EA Poly Clips For Flexible Netting	2.99	

10 81 13 00-0031	Netting Accessories <small>(10 81 13)</small>		
10 81 13 00-0032	EA 2' Zipper For Flexible Netting	9.06	
10 81 13 00-0033	EA 4' Zipper For Flexible Netting	13.65	
10 81 13 00-0034	EA 6' Zipper For Flexible Netting	16.06	

10	10	Specialties
	10 80	Other Specialties
	10 81	Pest Control Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

10 81 13 00-0035 EA 8' Zipper For Flexible Netting.....22.83

10 81 16 Insect Control Devices (10 81)

10 81 16 00-0001 Insect Screening (10 81 16)
 10 81 16 00-0002 CSF 17/14 Mesh Insect Screening With Flat Screen Splines137.32

10 86 Security Mirrors And Domes (10 80)

10 86 00 00-0001 Dome Mirrors (10 86)
 Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002 Steel Dome Mirrors (10 86 00 00-0001)

10 86 00 00-0003 EA 9" Diameter Full-Dome Steel Dome Mirror.....	314.72	25.40
10 86 00 00-0004 EA 12" Diameter Full-Dome Steel Dome Mirror.....	370.03	26.68
10 86 00 00-0005 EA 18" Diameter Full-Dome Steel Dome Mirror.....	427.89	29.22
10 86 00 00-0006 EA 24" Diameter Full-Dome Steel Dome Mirror.....	570.66	31.76
10 86 00 00-0007 EA 9" Diameter Half-Dome Steel Dome Mirror.....	225.37	19.06
10 86 00 00-0008 EA 12" Diameter Half-Dome Steel Dome Mirror.....	260.04	20.32
10 86 00 00-0009 EA 18" Diameter Half-Dome Steel Dome Mirror.....	303.77	22.23
10 86 00 00-0010 EA 24" Diameter Half-Dome Steel Dome Mirror.....	422.32	24.14

10 86 00 00-0011 Plexiglas Dome Mirrors (10 86 00 00-0001)

10 86 00 00-0012 EA 18" Diameter Full-Dome Plexiglas Dome Mirror.....	245.46	29.22
10 86 00 00-0013 EA 26" Diameter Full-Dome Plexiglas Dome Mirror.....	345.77	31.76
10 86 00 00-0014 EA 32" Diameter Full-Dome Plexiglas Dome Mirror.....	456.91	36.84
10 86 00 00-0015 EA 36" Diameter Full-Dome Plexiglas Dome Mirror.....	552.48	44.46
10 86 00 00-0016 EA 48" Diameter Full-Dome Plexiglas Dome Mirror.....	806.30	63.51
10 86 00 00-0017 EA 18" Diameter Half-Dome Plexiglas Dome Mirror.....	150.71	22.23
10 86 00 00-0018 EA 26" Diameter Half-Dome Plexiglas Dome Mirror.....	202.71	24.14
10 86 00 00-0019 EA 32" Diameter Half-Dome Plexiglas Dome Mirror.....	266.79	27.95
10 86 00 00-0020 EA 36" Diameter Half-Dome Plexiglas Dome Mirror.....	328.94	33.66
10 86 00 00-0021 EA 48" Diameter Half-Dome Plexiglas Dome Mirror.....	522.11	47.64
10 86 00 00-0022 EA 18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	97.77	19.06
10 86 00 00-0023 EA 26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	125.22	20.96
10 86 00 00-0024 EA 32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	164.26	23.50
10 86 00 00-0025 EA 36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	204.60	27.95
10 86 00 00-0026 EA 48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	338.71	39.70

10 86 00 00-0027 Coated Plexiglas Dome Mirrors (10 86 00 00-0001)

10 86 00 00-0028 EA 18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	292.50	29.22
10 86 00 00-0029 EA 26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	451.33	31.76
10 86 00 00-0030 EA 36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	763.60	44.46
10 86 00 00-0031 EA 48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	1,175.76	63.51
10 86 00 00-0032 EA 18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	190.18	22.23
10 86 00 00-0033 EA 26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	282.34	24.14
10 86 00 00-0034 EA 36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	445.97	33.66
10 86 00 00-0035 EA 48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	737.82	47.64
10 86 00 00-0036 EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	138.39	19.06
10 86 00 00-0037 EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	193.61	20.96
10 86 00 00-0038 EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	250.55	23.50
10 86 00 00-0039 EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	322.10	27.95
10 86 00 00-0040 EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	503.94	39.70

10 86 00 00-0041 Circular Convex Security Mirrors (10 86)

Note: Includes all mounting hardware.

10 86 00 00-0042 Plexiglas Circular Convex Mirrors (10 86 00 00-0041)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0043 EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	104.91	20.32
10 86 00 00-0044 EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	136.02	22.23
10 86 00 00-0045 EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	205.23	24.14
10 86 00 00-0046 EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	256.24	27.95
10 86 00 00-0047 EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	340.41	33.66
10 86 00 00-0048 EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	600.14	47.64
10 86 00 00-0049 EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	174.80	22.23
10 86 00 00-0050 EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	251.13	24.14
10 86 00 00-0051 EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	358.77	33.66
10 86 00 00-0052 EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	655.21	47.64

10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0054 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	210.60	22.23
10 86 00 00-0055 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	330.53	24.14



Specialties	10	10
Other Specialties	10 80	
Security Mirrors And Domes	10 86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0056 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	443.72	27.95
10 86 00 00-0057 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	553.83	33.66
10 86 00 00-0058 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	804.37	47.64
10 86 00 00-0059 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	252.60	22.23
10 86 00 00-0060 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	390.20	24.14
10 86 00 00-0061 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	542.40	27.95
10 86 00 00-0062 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	613.49	33.66
10 86 00 00-0063 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	971.89	47.64
10 86 00 00-0064 Security Mirrors <small>(10 86)</small>		
10 86 00 00-0065 EA 8" x 10" Framed Stainless Steel Mirror With Mounting Plate.....	105.65	41.14
10 86 00 00-0066 EA 10" x 14" Framed Stainless Steel Mirror With Mounting Plate	112.40	41.14
10 86 00 00-0067 EA 16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	158.33	34.29
10 86 00 00-0068 EA 8" x 10" Framed Stainless Steel Replacement Mirror	106.53	41.14
10 86 00 00-0069 EA 10" x 14" Framed Stainless Steel Replacement Mirror	152.21	41.14

END OF SECTION 10

10	10	Specialties
	10 80	Other Specialties
	10 86	Security Mirrors And Domes



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



Equipment	11
Operation and Maintenance of Equipment	11 01
Operation and Maintenance of Vehicle and Pedestrian Equipment	11 01 10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

11 Equipment

11 01 Operation and Maintenance of Equipment ⁽¹¹⁾

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment ^(11 01)

11 01 10 13 Operation and Maintenance of Parking Equipment ^(11 01 10)

11 01 10 13-0001 Replacement Parking Equipment ^(11 01 10 13)

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	609.37	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	636.73	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	668.15	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	890.22	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	919.64	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,303.93	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,322.89	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,359.35	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,563.48	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,589.18	

11 10 Vehicle and Pedestrian Equipment ⁽¹¹⁾

11 11 Vehicle Service Equipment ^(11 10)

11 11 19 Vehicle Lubrication Equipment ^(11 11)

11 11 19 00-0001 Reels ^(11 11 19)

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	1,248.64	183.76
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	1,220.28	183.76
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	1,082.07	183.76
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	1,192.47	183.76

11 11 19 00-0006 Air Operated Powered Pumps ^(11 11 19)

Note: Excludes air compressor.				
11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,857.03	245.01
11 11 19 00-0008	EA	1", Antifreeze, Air Operated Diaphragm Pump (Alemite 8325)	2,043.62	245.01
Note: UL listed.				
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,668.08	245.01
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 LB Drum (Alemite 9979-A)	1,827.22	122.50
Note: Includes pump, drum cover and follower plate.				

11 11 19 00-0011 Pumping Unit Accessories ^(11 11 19)

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	646.95	45.94
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	646.95	45.94
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	646.95	45.94
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	363.85	45.94
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	209.75	45.94
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	129.31	15.31
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	315.82	61.26
11 11 19 00-0019	EA	Unistrut Reel Brackets	253.36	12.25
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	360.05	45.94

11 11 36 Vehicle Charging Equipment ^(11 11)

11 11 36 13 Commercial Electric Vehicle Charging Unit ^(11 11 36)

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) ^(11 11 36 13)

Note: Available with RFID (Radio Frequency Identification) reader.				
11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3)	4,342.81	184.03
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3)	7,658.62	245.37
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3)	7,947.27	184.03
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3)	13,528.90	245.37
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3)	3,749.33	92.01
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.				
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3)	7,218.67	92.01
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.				
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3)	3,646.59	122.69
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3)	6,980.79	122.69
Note: 208 to 240 volt, 30 amperes, 1 phase.				

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 11 Vehicle Service Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

11 11 36 13-0010	Electric Vehicle Charging Stations (AeroVironment) <small>(11 11 36 13)</small>		
	<small>Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).</small>		
11 11 36 13-0011	EA Module Electric Vehicle Charging Station (AeroVironment TurboDock Module).....	2,919.10	61.34
	<small>Note: Includes charging station only. Excludes mounting bracket or pedestal.</small>		
11 11 36 13-0012	EA Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	4,191.57	122.69
	<small>Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.</small>		
11 11 36 13-0013	EA Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount).....	6,987.99	153.35
	<small>Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.</small>		
11 11 36 13-0014	EA Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,436.94	184.03
	<small>Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.</small>		
11 11 36 13-0015	EA Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal).....	7,233.36	214.69
	<small>Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.</small>		
11 11 36 13-0016	EA Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	10,029.78	245.37
	<small>Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.</small>		
11 11 36 13-0017	EA Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal).....	12,826.20	276.04
	<small>Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.</small>		

11 11 36 13-0018	Electric Vehicle Charging Stations (Leviton) <small>(11 11 36 13)</small>		
11 11 36 13-0019	EA Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000).....	5,038.19	122.69
	<small>Note: 208 to 240 volt, 30 amperes, 1 phase.</small>		
	<i>For Bollard Body (Leviton CPMBX-000), Add</i>	3,217.51	
	<i>For Bollard Cap (Leviton CPCAP-B), Add</i>	295.68	
	<i>For Wall Mounting Body (Leviton CPMEX-000), Add</i>	2,223.74	
	<i>For Wall Mounting Cap (Leviton CPCAP-W), Add</i>	295.68	
	<i>For Cord Management Kit (Leviton CPCBX-000), Add</i>	2,027.79	
11 11 36 13-0020	EA Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	4,026.69	122.69
	<small>Note: 208 to 240 volt, 30 amperes, 1 phase.</small>		
	<i>For Bollard Body (Leviton CPMBX-000), Add</i>	3,217.51	
	<i>For Bollard Cap (Leviton CPCAP-B), Add</i>	295.68	
	<i>For Wall Mounting Body (Leviton CPMEX-000), Add</i>	2,223.74	
	<i>For Wall Mounting Cap (Leviton CPCAP-W), Add</i>	295.68	
	<i>For Cord Management Kit (Leviton CPCBX-000), Add</i>	2,027.79	
11 11 36 13-0021	EA Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000)	9,873.52	153.35
	<small>Note: 208 to 240 volt, 30 amperes, 1 phase.</small>		
	<i>For Bollard Body (Leviton CPMBX-000), Add</i>	3,217.51	
	<i>For Bollard Cap (Leviton CPCAP-B), Add</i>	295.68	
	<i>For Wall Mounting Body (Leviton CPMEX-000), Add</i>	2,223.74	
	<i>For Wall Mounting Cap (Leviton CPCAP-W), Add</i>	295.68	
	<i>For Cord Management Kit (Leviton CPCBX-000), Add</i>	2,027.79	
11 11 36 13-0022	EA Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000).....	8,858.75	153.35
	<small>Note: 208 to 240 volt, 30 amperes, 1 phase.</small>		
	<i>For Bollard Body (Leviton CPMBX-000), Add</i>	3,217.51	
	<i>For Bollard Cap (Leviton CPCAP-B), Add</i>	295.68	
	<i>For Wall Mounting Body (Leviton CPMEX-000), Add</i>	2,223.74	
	<i>For Wall Mounting Cap (Leviton CPCAP-W), Add</i>	295.68	
	<i>For Cord Management Kit (Leviton CPCBX-000), Add</i>	2,027.79	
11 11 36 13-0023	EA Bollard Mounting Body For Charging Station (Leviton CPMBX-000).....	3,708.25	184.03
	<i>For Cap, Add</i>	295.68	
11 11 36 13-0024	EA Wall Mounting Body For Charging Station (Leviton CPMEX-000)	2,714.48	184.03
	<i>For Cap, Add</i>	295.68	
11 11 36 13-0025	EA Cord Management Kit For Charging Station (Leviton CPCBX-000).....	2,273.16	122.69
	<i>For Cap, Add</i>	295.68	

11 12 Parking Control Equipment (11 10)

11 12 16 Parking Ticket Dispensers <small>(11 12)</small>			
11 12 16 00-0001	Parking Ticket Dispensers <small>(11 12 16)</small>		
11 12 16 00-0002	EA Standard Parking Ticket Dispenser With Time/Date Stamp.....	11,778.50	277.24
11 12 16 00-0003	EA Rate Computing Parking Ticket Dispenser With Printer.....	15,782.89	277.24

11 12 23 Parking Meters (11 12)

11 12 23 00-0001	Parking Meters <small>(11 12 23)</small>		
11 12 23 00-0002	EA Removal Of Parking Meter For Replacement Or Reinstall Existing Meter.....	204.50	

11 12 26 Parking Fee Collection Equipment (11 12)

11 12 26 13	Parking Fee Coin Collection Equipment <small>(11 12 26)</small>		
11 12 26 13-0001	Parking Fee Collection Equipment <small>(11 12 26 13)</small>		
11 12 26 13-0002	EA Multiple Station Slot Box For Parking Fee Collection.....	2,820.33	93.95

11 12 33 Parking Gates (11 12)

11 12 33 13	Lift Arm Parking Gates <small>(11 12 33)</small>		
11 12 33 13-0001	Barrier Parking Gate Operators <small>(11 12 33 13)</small>		



Equipment	11	
Vehicle and Pedestrian Equipment	11 10	↑
Parking Control Equipment	11 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0002 Barrier Parking Gate Operators <small>(11 12 33 13-0001)</small>		
<small>Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.</small>		
11 12 33 13-0003 EA 12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,757.05	769.11
<small>For 230/460 Volt AC, Add</small>	<small>322.50</small>	
11 12 33 13-0004 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	6,736.45	769.11
<small>For 230/460 Volt AC, Add</small>	<small>322.50</small>	
11 12 33 13-0005 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	6,997.46	769.11
<small>For 230/460 Volt AC, Add</small>	<small>322.50</small>	
11 12 33 13-0006 EA 20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,649.81	769.11
<small>For 230/460 Volt AC, Add</small>	<small>322.50</small>	
11 12 33 13-0007 EA 14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	9,886.04	769.11
11 12 33 13-0008 EA 14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,298.17	769.11
11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes <small>(11 12 33 13-0001)</small>		
<small>Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.</small>		
11 12 33 13-0010 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,372.66	1,538.21
11 12 33 13-0011 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	22,565.19	1,538.21
11 12 33 13-0012 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,527.21	1,538.21
11 12 33 13-0013 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	22,719.74	1,538.21
11 12 33 13-0014 Barrier Parking Gate Operator Accessories <small>(11 12 33 13-0001)</small>		
11 12 33 13-0015 EA 12' Plastic Replacement Arm For Barrier Parking Gate Operators	213.91	21.09
11 12 33 13-0016 EA 14' Wood Replacement Arm For Barrier Parking Gate Operators	193.30	21.09
11 12 33 13-0017 EA 14' Aluminum Replacement Arm For Barrier Parking Gate Operators.....	454.32	21.09
11 12 33 13-0018 EA 20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators.....	686.14	21.09
11 12 33 13-0019 EA Folding Wood Replacement Arm For Barrier Parking Gate Operators	626.04	21.09
11 12 33 13-0020 EA Folding Plastic Replacement Arm For Barrier Parking Gate Operators	626.04	21.09
11 12 33 13-0021 EA Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	763.41	21.09
11 12 33 13-0022 EA Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092).....	639.48	126.56
11 12 33 13-0023 EA Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	639.48	126.56
11 12 33 13-0024 EA Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	637.88	
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B).....	1,660.33	
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	1,221.42	42.19
<small>Note: Includes mounting plate and hardware. Excludes concrete foundation.</small>		
11 12 36 Tire Shredders <small>(11 12)</small>		
11 12 36 00-0001 Tire Shredding Traffic Control Spikes <small>(11 12 36)</small>		
11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0003 EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081).....	2,655.71	337.49
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0005 EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	4,805.19	168.75
11 12 36 00-0006 EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087).....	3,431.43	168.75
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0008 EA Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	2,135.68	63.28
<small>Note: Includes light and mounting post.</small>		
11 12 36 00-0009 EA Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603).....	1,731.40	84.38
<small>Note: Includes mounting post and hardware.</small>		
11 13 Loading Dock Equipment <small>(11 10)</small>		
11 13 13 Loading Dock Bumpers <small>(11 13)</small>		
11 13 13 00-0001 Laminated Rubber Dock Bumpers <small>(11 13 13)</small>		
11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers <small>(11 13 13 00-0001)</small>		
11 13 13 00-0003 EA 14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	147.97	25.39
11 13 13 00-0004 EA 24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	183.74	25.39
11 13 13 00-0005 EA 36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	234.20	25.39
11 13 13 00-0006 EA 12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	163.21	25.39
11 13 13 00-0007 EA 14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.85	25.39
11 13 13 00-0008 EA 18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	198.45	25.39
11 13 13 00-0009 EA 24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	234.20	25.39
11 13 13 00-0010 EA 36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	314.94	25.39

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0011 EA 12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	183.39	25.39
11 13 13 00-0012 EA 12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	198.45	25.39
11 13 13 00-0013 EA 12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	241.38	25.39
11 13 13 00-0014 EA 12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	271.83	25.39
11 13 13 00-0015 EA 12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	370.70	25.39
11 13 13 00-0016 EA 11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	223.59	25.39
11 13 13 00-0017 EA 11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	259.00	25.39
11 13 13 00-0018 EA 11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	334.44	25.39
11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020 EA 12" x 10", 6" Projection, Laminated Rubber Dock Bumper	206.94	25.39
11 13 13 00-0021 EA 14" x 10", 6" Projection, Laminated Rubber Dock Bumper	219.43	25.39
11 13 13 00-0022 EA 18" x 10", 6" Projection, Laminated Rubber Dock Bumper	249.53	25.39
11 13 13 00-0023 EA 24" x 10", 6" Projection, Laminated Rubber Dock Bumper	295.38	25.39
11 13 13 00-0024 EA 36" x 10", 6" Projection, Laminated Rubber Dock Bumper	396.82	25.39
11 13 13 00-0025 EA 12" x 12", 6" Projection, Laminated Rubber Dock Bumper	234.65	25.39
11 13 13 00-0026 EA 14" x 12", 6" Projection, Laminated Rubber Dock Bumper	244.92	25.39
11 13 13 00-0027 EA 18" x 12", 6" Projection, Laminated Rubber Dock Bumper	285.63	25.39
11 13 13 00-0028 EA 24" x 12", 6" Projection, Laminated Rubber Dock Bumper	346.35	25.39
11 13 13 00-0029 EA 36" x 12", 6" Projection, Laminated Rubber Dock Bumper	516.39	25.39
11 13 13 00-0030 EA 11" x 20", 6" Projection, Laminated Rubber Dock Bumper	295.55	25.39
11 13 13 00-0031 EA 11" x 24", 6" Projection, Laminated Rubber Dock Bumper	336.26	25.39
11 13 13 00-0032 EA 11" x 36", 6" Projection, Laminated Rubber Dock Bumper	341.68	25.39
11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035 EA 12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	81.28	25.39
11 13 13 00-0036 EA 18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	86.31	25.39
11 13 13 00-0037 EA 24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	93.01	25.39
11 13 13 00-0038 EA 36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	99.72	25.39
11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0040 EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	107.57	25.39
11 13 13 00-0041 EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	128.71	25.39
11 13 13 00-0042 EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	134.80	25.39
11 13 13 00-0043 EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	148.67	25.39
11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0045 EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper	130.39	25.39
11 13 13 00-0046 EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper	158.89	25.39
11 13 13 00-0047 EA 24" x 6", 6" Projection, Extruded Rubber Dock Bumper	182.36	25.39
11 13 13 00-0048 EA 36" x 6", 6" Projection, Extruded Rubber Dock Bumper	227.14	25.39
11 13 13 00-0049 Molded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0051 EA 18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	114.11	25.39
11 13 13 00-0052 EA 10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	101.16	25.39
11 13 13 00-0053 EA 20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	130.71	25.39
11 13 13 00-0054 EA 30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	160.50	25.39
11 13 13 00-0055 EA 24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	167.54	25.39
11 13 13 00-0056 EA 13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	127.32	25.39
11 13 13 00-0057 EA 18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	161.69	25.39
11 13 13 00-0058 EA 30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	232.44	25.39
11 13 13 00-0059 EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	137.60	25.39
11 13 13 00-0060 EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	200.45	25.39
11 13 13 00-0061 EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	199.83	25.39
11 13 13 00-0062 EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	299.88	25.39
11 13 13 00-0063 T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064 EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	190.15	25.39
11 13 13 00-0065 EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	176.47	25.39
11 13 16 Loading Dock Seals and Shelters (11 13)		
11 13 16 13 Loading Dock Seals (11 13 16)		
11 13 16 13-0001 Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002 Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003 LF 10" Projection, Standard, Vinyl Loading Dock Seal	102.80	25.39
11 13 16 13-0004 LF 11" Projection, Standard, Vinyl Loading Dock Seal	104.08	25.39
11 13 16 13-0005 LF 12" Projection, Standard, Vinyl Loading Dock Seal	105.36	25.39



Equipment	11
Vehicle and Pedestrian Equipment	11 10
Loading Dock Equipment	11 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal	107.93	25.39
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal	110.49	25.39
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal	113.10	25.39
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal	115.70	25.39
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal	118.37	25.39
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal	121.04	25.39
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal	123.61	25.39
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal	126.17	25.39
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal	131.38	25.39
11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	118.05	25.39
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.33	25.39
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.61	25.39
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.22	25.39
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.82	25.39
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.38	25.39
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.95	25.39
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.55	25.39
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	136.15	25.39
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	138.72	25.39
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.36	25.39
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	146.49	25.39
11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.17	25.39
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.49	25.39
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.81	25.39
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	131.38	25.39
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.94	25.39
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	136.54	25.39
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	139.15	25.39
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.71	25.39
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	144.28	25.39
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	146.88	25.39
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	149.48	25.39
11 13 16 13-0040 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	154.76	25.39
11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13)</small>		
11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	96.00	25.39
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	98.02	25.39
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	102.48	25.39
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	106.88	25.39
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	111.40	25.39
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	115.80	25.39
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	120.26	25.39
11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	110.42	25.39
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	112.50	25.39
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	116.96	25.39
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	121.42	25.39
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	125.82	25.39
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	130.28	25.39
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	134.68	25.39
11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.24	25.39
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	120.26	25.39
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	124.78	25.39
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	129.18	25.39
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	133.64	25.39
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	138.04	25.39
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	142.56	25.39
11 13 16 23 Loading Dock Shelters <small>(11 13 16)</small>		
11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter <small>(11 13 16 23)</small>		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms	159.45	31.75

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-003 Rigid Loading Dock Shelters (11 13 16 23)		
11 13 16 23-0004 LF 18" Projection, Rigid Loading Dock Shelter.....	120.94	30.47
11 13 16 23-0005 LF 24" Projection, Rigid Loading Dock Shelter.....	125.68	30.47
11 13 16 23-0006 LF 30" Projection, Rigid Loading Dock Shelter.....	130.55	31.75
11 13 16 23-0007 LF 36" Projection, Rigid Loading Dock Shelter.....	133.81	31.75
11 13 19 Stationary Loading Dock Equipment (11 13)		
Note: Includes all anchor bolts and fasteners.		
11 13 19 13 Loading Dock Levelers (11 13 19)		
11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)		
Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0003 EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,311.39	1,020.76
11 13 19 13-0004 EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,895.25	1,134.19
11 13 19 13-0005 EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	10,868.73	1,361.02
11 13 19 13-0006 EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,843.31	1,134.19
11 13 19 13-0007 EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	9,602.28	1,247.60
11 13 19 13-0008 EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	11,510.49	1,474.44
11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0010 EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	8,476.56	1,020.76
11 13 19 13-0011 EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	9,065.07	1,134.19
11 13 19 13-0012 EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	11,027.82	1,361.02
11 13 19 13-0013 EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	9,003.82	1,134.19
11 13 19 13-0014 EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	9,750.24	1,247.60
11 13 19 13-0015 EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	11,822.67	1,474.44
11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0017 EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	8,885.84	1,190.89
11 13 19 13-0018 EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	9,455.08	1,361.02
11 13 19 13-0019 EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	11,505.14	1,587.86
11 13 19 13-0020 EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	9,455.08	1,361.02
11 13 19 13-0021 EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	10,167.16	1,531.15
11 13 19 13-0022 EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	12,217.22	1,644.57
11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0024 EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	9,194.59	1,247.60
11 13 19 13-0025 EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	9,765.50	1,417.73
11 13 19 13-0026 EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	11,014.57	1,644.57
11 13 19 13-0027 EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	9,765.50	1,417.73
11 13 19 13-0028 EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	10,607.43	1,587.86
11 13 19 13-0029 EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	12,707.43	1,701.28
11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0031 EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	9,713.35	1,247.60
11 13 19 13-0032 EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	10,283.46	1,417.73
11 13 19 13-0033 EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	12,368.44	1,644.57
11 13 19 13-0034 EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	10,283.46	1,417.73
11 13 19 13-0035 EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	11,126.41	1,587.86
11 13 19 13-0036 EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	13,226.03	1,701.28
11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0038 EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	10,163.40	1,304.32
11 13 19 13-0039 EA 6' x 8', 45,000 LB Hydraulic Dock Leveler.....	10,743.97	1,474.44
11 13 19 13-0040 EA 6' x 10', 45,000 LB Hydraulic Dock Leveler.....	12,816.74	1,701.28
11 13 19 13-0041 EA 7' x 6', 45,000 LB Hydraulic Dock Leveler.....	10,745.67	1,474.44
11 13 19 13-0042 EA 7' x 8', 45,000 LB Hydraulic Dock Leveler.....	11,580.80	1,644.57
11 13 19 13-0043 EA 7' x 10', 45,000 LB Hydraulic Dock Leveler.....	13,664.91	1,757.99
11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)		
11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0046 EA 6' x 6', 20,000 LB Manual Dock Leveler.....	6,623.59	1,020.76
11 13 19 13-0047 EA 6' x 8', 20,000 LB Manual Dock Leveler.....	7,218.12	1,134.19
11 13 19 13-0048 EA 6' x 10', 20,000 LB Manual Dock Leveler.....	9,180.94	1,361.02
11 13 19 13-0049 EA 7' x 6', 20,000 LB Manual Dock Leveler.....	7,157.04	1,134.19
11 13 19 13-0050 EA 7' x 8', 20,000 LB Manual Dock Leveler.....	7,914.48	1,247.60
11 13 19 13-0051 EA 7' x 10', 20,000 LB Manual Dock Leveler.....	9,994.82	1,361.02



Equipment	11	
Vehicle and Pedestrian Equipment	11 10	⇕
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0052 40,000 LB Manual Dock Levelers <small>(11 13 19 13-0044)</small>		
11 13 19 13-0053 EA 6' x 6', 40,000 LB Manual Dock Leveler.....	8,174.84	1,134.19
11 13 19 13-0054 EA 6' x 8', 40,000 LB Manual Dock Leveler.....	8,744.95	1,247.60
11 13 19 13-0055 EA 6' x 10', 40,000 LB Manual Dock Leveler.....	9,522.95	1,474.44
11 13 19 13-0056 EA 7' x 6', 40,000 LB Manual Dock Leveler.....	8,744.95	1,247.60
11 13 19 13-0057 EA 7' x 8', 40,000 LB Manual Dock Leveler.....	9,936.73	1,361.02
11 13 19 13-0058 EA 7' x 10', 40,000 LB Manual Dock Leveler.....	11,687.51	1,587.86
11 13 19 13-0059 Edge Of Dock Levelers <small>(11 13 19 13)</small>		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060 Hydraulic Edge Of Dock Levelers <small>(11 13 19 13-0059)</small>		
Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061 EA 66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,596.14	340.26
11 13 19 13-0062 EA 72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	4,936.91	340.26
11 13 19 13-0063 EA 66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566).....	4,887.60	340.26
11 13 19 13-0064 EA 72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572).....	5,355.41	340.26
11 13 19 13-0065 EA 66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620).....	5,293.49	340.26
11 13 19 13-0066 EA 72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220).....	5,590.86	340.26
11 13 19 13-0067 Manual Edge Of Dock Levelers <small>(11 13 19 13-0059)</small>		
11 13 19 13-0068 EA 66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066).....	2,425.38	340.26
11 13 19 13-0069 EA 72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072).....	2,630.67	340.26
11 13 19 13-0070 EA 66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566).....	2,693.45	340.26
11 13 19 13-0071 EA 72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572).....	2,847.40	340.26
11 13 19 13-0072 EA 66" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66).....	2,914.57	340.26
11 13 19 13-0073 EA 72" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	3,307.02	340.26
11 13 19 13-0074 EA 78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	3,595.74	340.26
11 13 19 13-0075 EA 72" Usable Width, 30,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	3,637.24	340.26
11 13 19 13-0076 EA 66" Usable Width, 20,000 LB Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R).....	3,243.05	340.26
11 13 19 13-0077 EA 78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	4,441.16	340.26
11 13 19 13-0078 EA 72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	4,183.56	340.26
11 13 19 23 Stationary Loading Dock Lifts <small>(11 13 19)</small>		
11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0002 EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	17,431.41	255.75
11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0004 EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	12,434.95	255.75
11 13 19 23-0005 EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	22,307.61	383.63
11 13 19 23-0006 EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	39,068.67	767.25
11 13 19 23-0007 EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	40,979.61	1,023.00
11 13 19 26 Loading Dock Truck Lifts <small>(11 13 19)</small>		
11 13 19 26-0001 Hydraulic Truck Lifts <small>(11 13 19 26)</small>		
11 13 19 26-0002 EA 10' x 15', 60,000 LB Platform Truck Lift.....	35,888.46	1,747.86
11 13 19 26-0003 EA 10' x 20', 60,000 LB Platform Truck Lift.....	41,035.19	2,097.44
11 13 19 33 Loading Dock Truck Restraints <small>(11 13 19)</small>		
11 13 19 33-0001 Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002 EA Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL60).....	10,178.42	425.32
Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 LB restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.		
11 13 19 33-0003 EA Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4).....	10,638.17	425.32
Note: Includes push button controls, warning lights, alarms, minimum 32,000 LB restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0004 EA Truck Restraint System (Poweramp Powerstop AAL).....	8,473.12	425.32
Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 23 Portable Dock Equipment <small>(11 13)</small>		
11 13 23 23 Portable Dock Platforms <small>(11 13 23)</small>		
11 13 23 23-0001 EA 6' x 6', 5,000 LB Capacity Portable Platform Lift.....	14,654.39	105.46
11 13 26 Loading Dock Lights <small>(11 13)</small>		
11 13 26 00-0001 Communication Lights <small>(11 13 26)</small>		
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	430.69	115.51
Note: Excludes control console.		

11	Equipment
11 10	Vehicle and Pedestrian Equipment
11 13	Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	528.75	115.51
11 13 26 00-0004 EA Dock Guide Light For Truck Backing	243.68	92.41
11 13 26 00-0005 Communication Lights Controls (11 13 26)		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks	476.16	154.02
11 13 26 00-0007 Loading Dock Lights (11 13 26)		
11 13 26 00-0008 Incandescent Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	541.16	154.02
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	487.76	154.02
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	622.48	154.02
11 13 26 00-0012 Metal Halide Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide	725.75	154.02
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	789.05	154.02
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	839.66	154.02
11 13 26 00-0016 Quartz Halogen Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	480.64	154.02
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	520.69	154.02
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	554.86	154.02
11 14 Pedestrian Control Equipment (11 10)		
11 14 13 Pedestrian Gates (11 14)		
11 14 13 16 Rotary Gates (11 14 13)		
11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability (11 14 13 16)		
11 14 13 16-0002 Mechanical (11 14 13 16-0001)		
11 14 13 16-0003 Galvanized Steel (11 14 13 16-0002)		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	12,808.75	1,700.49
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	14,434.49	1,700.49
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	28,647.71	2,537.05
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	27,751.16	2,537.05
11 14 13 16-0008 Powder Coated Steel (11 14 13 16-0002)		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	14,455.41	1,700.49
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	16,018.40	1,700.49
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	33,761.03	2,537.05
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	30,452.76	2,537.05
11 14 13 16-0013 Anodized Aluminum (11 14 13 16-0002)		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,169.66	1,700.49
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	26,110.56	1,700.49
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	30,321.27	2,537.05
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	50,929.96	2,537.05
11 14 13 16-0018 Stainless Steel (11 14 13 16-0002)		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	23,821.37	1,700.49
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	26,708.26	1,700.49
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	38,210.91	2,537.05
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	47,594.80	2,537.05
11 14 13 16-0023 Transparent (11 14 13 16-0002)		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	47,030.06	1,700.74
11 14 13 16-0025 Mechanical Options (11 14 13 16-0001)		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	254.02	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add.....	179.31	
11 14 13 16-0028 Electrical, One-Way (11 14 13 16-0001)		
11 14 13 16-0029 Galvanized Steel (11 14 13 16-0028)		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	13,528.98	1,700.49
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,157.71	1,700.49



Equipment	11
Vehicle and Pedestrian Equipment	11 10
Pedestrian Control Equipment	11 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	31,337.36	2,537.05
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	28,913.68	2,537.05
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	31,337.36	2,537.05
11 14 13 16-0035 Powder Coated Steel (11 14 13 16-0028)		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	15,172.65	1,700.49
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	16,992.65	1,700.49
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	41,824.00	2,537.05
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	31,630.23	2,537.05
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	34,059.88	2,537.05
11 14 13 16-0041 Anodized Aluminum (11 14 13 16-0028)		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	15,471.50	1,700.49
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	16,397.94	1,700.49
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	27,007.11	1,700.49
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	31,967.93	2,537.05
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	35,521.26	2,537.05
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	52,481.00	2,537.05
11 14 13 16-0048 Stainless Steel (11 14 13 16-0028)		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	25,330.56	1,700.49
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	27,093.78	1,700.49
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	43,817.33	2,537.05
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	49,898.93	2,537.05
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	54,976.39	2,537.05
11 14 13 16-0054 Transparent (11 14 13 16-0028)		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	42,914.90	1,700.74
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	45,413.28	1,700.74
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	46,504.09	1,700.74
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	76,463.71	2,537.05
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	81,275.19	2,537.05
11 14 13 16-0060 Electrical, Two-Way (11 14 13 16-0001)		
11 14 13 16-0061 Galvanized Steel (11 14 13 16-0060)		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	14,568.97	1,700.49
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	16,245.52	1,700.49
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	37,051.37	2,537.05
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	30,769.54	2,537.05
11 14 13 16-0066 Powder Coated Steel (11 14 13 16-0060)		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	16,084.14	1,700.49
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	18,008.74	1,700.49
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	42,726.53	2,537.05
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	33,501.03	2,537.05
11 14 13 16-0071 Anodized Aluminum (11 14 13 16-0060)		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	16,496.56	1,700.49
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,381.15	1,700.49
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	28,199.52	1,700.49
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	34,056.89	2,537.05
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	54,420.53	2,537.05
11 14 13 16-0077 Stainless Steel (11 14 13 16-0060)		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	26,340.68	1,700.49
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	28,133.78	1,700.49
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	44,558.48	2,537.05
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	51,393.18	2,537.05
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	57,038.46	2,537.05
11 14 13 16-0083 Transparent (11 14 13 16-0060)		
11 14 13 16-0084 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	43,781.56	1,700.74
11 14 13 16-0085 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	46,130.52	1,700.74

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 14 Pedestrian Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0086 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	47,478.34	1,700.74
11 14 13 16-0087 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	78,286.69	2,537.05
11 14 13 16-0088 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	82,769.44	2,537.05
11 14 13 16-0089 Electrical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090 EA Additional Set Of Electric Controls, Per Rotor, Add	995.17	
11 14 13 16-0091 EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	699.31	
11 14 13 16-0092 EA Time-Out-Relay, Per Controlled Direction	230.11	
11 14 13 16-0093 EA Pulse-Relay, Per Controlled Direction	230.11	
11 14 13 16-0094 EA Pushbutton, Per Controlled Direction	182.30	
11 14 13 16-0095 EA Heel Protectors, (Per Heel Protector), Add	179.31	
11 14 13 16-0096 EA Card Reader Mounting Pad, Per Reader	164.37	
11 14 13 16-0097 EA Hydraulic Speed Control (Per Rotor), Add	4,174.93	
11 14 13 16-0098 Relocate Rotary Gate <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099 EA Relocate Rotary Gate	4,995.13	
11 14 13 19 Turnstiles <small>(11 14 13)</small>		
11 14 13 19-0001 Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0002 EA 24" Diameter Manual Turnstile, Three Arm, Two Way	2,793.51	479.53
11 14 13 19-0003 EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,634.99	479.53
11 14 16 Pedestrian Control Devices <small>(11 14)</small>		
11 14 16 00-0001 Retractable Barrier <small>(11 14 16)</small>		
11 14 16 00-0002 EA Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WGB269387BK)	93.70	18.98
11 14 16 00-0003 EA Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	172.93	18.98
11 14 16 00-0004 EA Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	212.54	18.98
11 14 16 00-0005 EA Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	351.18	18.98
11 20 Commercial Equipment <small>(11)</small>		
11 21 Retail and Service Equipment <small>(11 20)</small>		
11 21 63 Refrigerated Display Equipment <small>(11 21)</small>		
11 21 63 00-0001 Dairy Products <small>(11 21 63)</small>		
11 21 63 00-0002 Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck	2,430.18	459.53
<i>For Rear Sliding Doors, Add</i>	19.95	
11 21 63 00-0004 Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	11,651.12	334.00
11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007 EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	12,917.82	366.80
11 21 63 00-0008 Ice Cream Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009 EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	10,789.28	308.84
11 21 63 00-0010 Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011 EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,690.64	76.86
11 21 63 00-0012 EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	3,516.00	100.51
11 21 63 00-0013 Ice Cream Cabinets <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014 EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet	8,427.18	240.21
11 21 63 00-0015 EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet	12,004.91	346.67
11 21 63 00-0016 Delicatessen Case, Service Deli <small>(11 21 63)</small>		
11 21 63 00-0017 LF Delicatessen Case, Single-Deck	2,409.10	382.95
11 21 63 00-0018 LF Delicatessen Case, Multi-Deck	2,697.17	459.53
11 21 63 00-0019 EA Delicatessen Case, 3 Shelf, 32" x 23" x 23"	3,085.58	89.53
11 21 63 00-0020 Meat Case <small>(11 21 63)</small>		
11 21 63 00-0021 LF Meat Case, Single - Deck	1,784.59	459.53
11 21 63 00-0022 LF Meat Case, Multi - Deck	1,933.30	459.53



Equipment	11	
Commercial Equipment	11 20	⇐
Retail and Service Equipment	11 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0023 Produce Case ^(11 21 63)		
11 21 63 00-0024 LF Single Deck Produce Case.....	1,858.63	459.53
11 21 63 00-0025 LF Multi-Deck Produce Case.....	2,051.42	459.53
11 21 63 00-0026 Bottle Coolers ^(11 21 63)		
11 21 63 00-0027 EA Bottle Cooler, 6' Long.....	6,900.61	1,531.78
11 21 63 00-0028 EA Bottle Cooler, 10' Long.....	10,420.97	2,297.67
11 21 63 00-0029 Cold Pan Units ^(11 21 63)		
11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	4,313.02	122.31
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	5,992.28	171.13
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	7,085.11	202.39
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units.....	7,283.73	209.10
11 21 63 00-0034 EA 8" x 48", Mechanical, Cold Pan Units.....	7,927.52	225.73
11 21 63 00-0035 EA 8" x 72", Mechanical, Cold Pan Units.....	9,419.53	266.75
11 21 63 00-0036 Cold Cabinets (Insulated) ^(11 21 63)		
11 21 63 00-0037 EA 69-3/4" x 32" x 24", Insulated Cold Cabinet.....	3,916.17	105.85
11 30 Residential Equipment ⁽¹¹⁾		
11 30 13 Residential Appliances ^(11 30)		
11 30 13 13 Residential Kitchen Appliances ^(11 30 13)		
Note: Includes standard colors. Excludes stainless steel.		
11 30 13 13-0001 Ranges With Ovens ^(11 30 13 13)		
Note: Free standing or slide in.		
11 30 13 13-0002 Electric Ranges With Ovens ^(11 30 13 13-0001)		
11 30 13 13-0003 EA 20" Electric Range With Oven.....	873.70	84.38
<i>For Stainless Steel, Add</i>		
	176.24	
11 30 13 13-0004 EA 24" Electric Range With Oven.....	914.09	84.38
<i>For Stainless Steel, Add</i>		
	186.34	
11 30 13 13-0005 EA 30" Electric Range With Oven.....	890.32	84.38
<i>For Stainless Steel, Add</i>		
	201.49	
11 30 13 13-0006 EA 30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW).....	966.60	84.38
11 30 13 13-0007 Gas Ranges With Ovens ^(11 30 13 13-0001)		
11 30 13 13-0008 EA 20" Gas Range With Oven.....	974.69	84.38
<i>For Stainless Steel, Add</i>		
	201.49	
11 30 13 13-0009 EA 24" Gas Range With Oven.....	1,027.21	84.38
<i>For Stainless Steel, Add</i>		
	214.62	
11 30 13 13-0010 EA 30" Gas Range With Oven.....	1,075.69	84.38
<i>For Stainless Steel, Add</i>		
	226.74	
11 30 13 13-0011 Range Hoods ^(11 30 13 13)		
11 30 13 13-0012 Venting Range Hoods ^(11 30 13 13-0011)		
11 30 13 13-0013 EA 21" Venting Range Hood (Broan 40000).....	285.51	63.28
<i>For Stainless Steel, Add</i>		
	23.84	
11 30 13 13-0014 EA 24" Venting Range Hood (Broan 40000).....	261.89	63.28
<i>For Stainless Steel, Add</i>		
	20.30	
11 30 13 13-0015 EA 30" Venting Range Hood (Broan 40000).....	257.75	63.28
<i>For Stainless Steel, Add</i>		
	19.68	
11 30 13 13-0016 EA 36" Venting Range Hood (Broan 40000).....	261.89	63.28
<i>For Stainless Steel, Add</i>		
	20.30	
11 30 13 13-0017 Non-Ducted Range Hoods ^(11 30 13 13-0011)		
11 30 13 13-0018 EA 21" Non-Ducted Range Hood (Broan 41000).....	288.56	63.28
<i>For Stainless Steel, Add</i>		
	24.30	
11 30 13 13-0019 EA 24" Non-Ducted Range Hood (Broan 41000).....	265.02	63.28
<i>For Stainless Steel, Add</i>		
	20.77	
11 30 13 13-0020 EA 30" Non-Ducted Range Hood (Broan 41000).....	260.86	63.28
<i>For Stainless Steel, Add</i>		
	20.15	
11 30 13 13-0021 EA 36" Non-Ducted Range Hood (Broan 41000).....	265.02	63.28
<i>For Stainless Steel, Add</i>		
	20.77	
11 30 13 13-0022 Microwaves ^(11 30 13 13)		
11 30 13 13-0023 Countertop Microwaves ^(11 30 13 13-0022)		

11	Equipment
11 30	Residential Equipment
11 30 13	Residential Appliances



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0024 EA 1.1 CF Countertop Microwave Oven.....	186.72	10.55
For Stainless Steel, Add	24.84	
11 30 13 13-0025 EA 1.2 CF Countertop Microwave Oven.....	223.06	10.55
For Stainless Steel, Add	30.30	
11 30 13 13-0026 EA 1.3 CF Countertop Microwave Oven.....	229.12	10.55
For Stainless Steel, Add	31.20	
11 30 13 13-0027 EA 1.4 CF Countertop Microwave Oven.....	281.66	10.55
For Stainless Steel, Add	39.09	
11 30 13 13-0028 EA 1.5 CF Countertop Microwave Oven.....	301.86	10.55
For Stainless Steel, Add	42.12	
11 30 13 13-0029 EA 1.6 CF Countertop Microwave Oven.....	322.06	10.55
For Stainless Steel, Add	45.15	
11 30 13 13-0030 EA 1.7 CF Countertop Microwave Oven.....	342.25	10.55
For Stainless Steel, Add	48.17	
11 30 13 13-0031 EA 1.8 CF Countertop Microwave Oven.....	362.45	10.55
For Stainless Steel, Add	51.20	
11 30 13 13-0032 EA 2.0 CF Countertop Microwave Oven.....	384.65	10.55
For Stainless Steel, Add	54.53	
11 30 13 13-0033 Over-The-Range Microwaves (11 30 13 13-0022)		
11 30 13 13-0034 EA 1.5 CF Over-The Range Microwave	642.82	84.36
For Stainless Steel, Add	77.44	
11 30 13 13-0035 EA 1.6 CF Over-The Range Microwave	730.50	84.36
For Stainless Steel, Add	90.59	
11 30 13 13-0036 EA 1.7 CF Over-The Range Microwave	758.76	84.36
For Stainless Steel, Add	94.83	
11 30 13 13-0037 EA 1.8 CF Over-The Range Microwave	970.85	84.36
For Stainless Steel, Add	126.65	
11 30 13 13-0038 EA 2.0 CF Over-The Range Microwave	770.90	84.36
For Stainless Steel, Add	96.65	
11 30 13 13-0039 EA 1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	483.88	63.27
11 30 13 13-0040 Trash Compactors (11 30 13 13)		
11 30 13 13-0041 EA 15" Built-In Trash Compactor, 4 To 1 Compaction.....	1,479.67	84.38
For Stainless Steel, Add	235.97	
11 30 13 13-0042 Refrigerators (11 30 13 13)		
11 30 13 13-0043 Top Freezer Refrigerators (11 30 13 13-0042)		
11 30 13 13-0044 EA Up To 10 CF Top Freezer Refrigerator.....	730.73	42.19
For Stainless Steel, Add	96.95	
11 30 13 13-0045 EA >10 To 12 CF Top Freezer Refrigerator	890.32	42.19
For Stainless Steel, Add	120.89	
11 30 13 13-0046 EA >12 To 14 CF Top Freezer Refrigerator	993.31	42.19
For Stainless Steel, Add	136.34	
11 30 13 13-0047 EA >14 To 16 CF Top Freezer Refrigerator	1,053.91	42.19
For Stainless Steel, Add	145.43	
11 30 13 13-0048 EA >16 To 18 CF Top Freezer Refrigerator	1,215.50	42.19
For Stainless Steel, Add	169.67	
11 30 13 13-0049 EA >18 To 20 CF Top Freezer Refrigerator	1,354.90	42.19
For Stainless Steel, Add	190.58	
11 30 13 13-0050 EA >20 To 22 CF Top Freezer Refrigerator	1,457.89	42.19
For Stainless Steel, Add	206.03	
11 30 13 13-0051 EA 14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	1,311.40	42.19
11 30 13 13-0052 Side-By-Side Refrigerators (11 30 13 13-0042)		
11 30 13 13-0053 EA Up To 22 CF Side-By-Side Refrigerator.....	1,498.07	42.19
For Stainless Steel, Add	212.05	
11 30 13 13-0054 EA >22 To 24 CF Side-By-Side Refrigerator	1,861.87	42.19
For Stainless Steel, Add	266.62	
11 30 13 13-0055 EA >24 To 26 CF Side-By-Side Refrigerator	2,104.26	42.19
For Stainless Steel, Add	302.98	
11 30 13 13-0056 Other Refrigerators (11 30 13 13-0042)		
11 30 13 13-0057 EA 1.7 CF Dormitory Sized Refrigerator.....	240.34	21.09
For Stainless Steel, Add	29.72	
11 30 13 13-0058 EA 4.4 CF Dormitory Sized Refrigerator.....	331.24	21.09
For Stainless Steel, Add	43.36	
11 30 13 13-0059 Freezers (11 30 13 13)		
11 30 13 13-0060 Upright Freezers (11 30 13 13-0059)		
11 30 13 13-0061 EA Up To 10 CF Upright Freezer	688.33	42.19
For Stainless Steel, Add	90.59	
11 30 13 13-0062 EA >10 To 12 CF Upright Freezer	890.32	42.19
For Stainless Steel, Add	120.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0063 EA >12 To 14 CF Upright Freezer.....	950.92	42.19
For Stainless Steel, Add	129.98	
11 30 13 13-0064 EA >14 To 16 CF Upright Freezer.....	1,092.31	42.19
For Stainless Steel, Add	151.19	
11 30 13 13-0065 EA >16 To 18 CF Upright Freezer.....	1,255.90	42.19
For Stainless Steel, Add	175.73	
11 30 13 13-0066 EA >18 To 20 CF Upright Freezer.....	1,336.72	42.19
For Stainless Steel, Add	187.85	
11 30 13 13-0067 EA >20 To 22 CF Upright Freezer.....	1,397.29	42.19
For Stainless Steel, Add	196.94	
11 30 13 13-0068 Chest Freezers (11 30 13 13-0059)		
11 30 13 13-0069 EA Up To 8 CF Chest Freezer	548.94	42.19
For Stainless Steel, Add	69.68	
11 30 13 13-0070 EA >8 To 10 CF Chest Freezer	690.33	42.19
For Stainless Steel, Add	90.89	
11 30 13 13-0071 EA >10 To 12 CF Chest Freezer	740.85	42.19
For Stainless Steel, Add	98.47	
11 30 13 13-0072 EA >12 To 14 CF Chest Freezer	831.72	42.19
For Stainless Steel, Add	112.10	
11 30 13 13-0073 EA >14 To 16 CF Chest Freezer	890.32	42.19
For Stainless Steel, Add	120.89	
11 30 13 13-0074 EA >16 To 18 CF Chest Freezer	1,092.31	42.19
For Stainless Steel, Add	151.19	
11 30 13 13-0075 EA >18 To 20 CF Chest Freezer	1,354.90	42.19
For Stainless Steel, Add	190.58	
11 30 13 13-0076 EA >20 To 22 CF Chest Freezer	1,397.29	42.19
For Stainless Steel, Add	196.94	
11 30 13 13-0077 Automatic Ice Makers (11 30 13 13)		
11 30 13 13-0078 EA 15" Wide, 50 LB Per Day, Automatic Ice Maker	2,588.59	84.38
11 30 13 13-0079 EA 18" Wide, 50 LB Per Day, Automatic Ice Maker	2,891.58	84.38
11 30 13 13-0080 Built-In Dishwashers (11 30 13 13)		
11 30 13 13-0081 EA 18" Built-In Dishwasher.....	1,239.28	84.38
For Stainless Steel, Add	160.58	
11 30 13 13-0082 EA 24" Built-In Dishwasher.....	815.10	84.38
For Stainless Steel, Add	96.95	
11 30 13 13-0083 Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)		
Note: Includes storage, cleaning and final connections.		
11 30 13 13-0084 EA Removal And Reinstallation Of Garbage Disposal	126.56	
11 30 13 13-0085 EA Removal And Reinstallation Of Stove/Range	253.11	
11 30 13 13-0086 EA Removal And Reinstallation Of Dishwasher	270.00	
11 30 13 13-0087 EA Removal And Reinstallation Of Range Hood	126.56	
11 30 13 13-0088 EA Removal And Reinstallation Of Washer And Dryer.....	210.93	
11 30 13 13-0089 Appliance Repair (11 30 13 13)		
Note: Includes removal.		
11 30 13 13-0090 EA 8" Burner Replacement.....	39.90	
11 30 13 13-0091 EA 4" Burner Element Replacement	68.96	
11 30 13 13-0092 EA 8" Burner Element Replacement	79.45	
11 30 13 13-0093 EA Burner Manifold Replacement	276.53	
11 30 13 13-0094 EA Burner Switch Replacement	109.97	
11 30 13 13-0095 EA Burner Tube, 5/8" x 4' Replacement	53.03	
11 30 13 13-0096 EA Oven Control Replacement	130.89	
11 30 13 13-0097 EA Oven Door Gasket Replacement	54.45	
11 30 13 13-0098 EA Oven Element Replacement	122.51	
11 30 13 13-0099 EA Oven Igniter Replacement.....	88.02	
11 30 13 13-0100 EA Oven Knobs Replacement.....	66.79	
11 30 13 13-0101 Accessories (11 30 13 13)		
11 30 13 13-0102 SF Colored Metal Range Splash Plate.....	18.45	3.37
11 30 13 13-0103 SF Stainless Steel Range Splash Plate	27.85	3.37
11 30 13 13-0104 Automatic Water Softener (11 30 13 13)		
11 30 13 13-0105 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30).....	1,416.73	281.96
11 30 13 13-0106 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40).....	1,664.86	281.96
11 30 13 23 Residential Laundry Appliances (11 30 13)		
11 30 13 23-0001 Washing Machines And Dryers (11 30 13 23)		
11 30 13 23-0002 Washing Machines (11 30 13 23-0001)		

11 Equipment
11 30 Residential Equipment
11 30 13 Residential Appliances



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0003	EA		Up To 3.5 CF, Top Load Washing Machine.....	954.70	84.38
11 30 13 23-0004	EA		>3.5 To 4 CF, Top Load Washing Machine.....	1,540.47	84.38
11 30 13 23-0005	EA		>4 To 5 CF, Top Load Washing Machine.....	2,045.44	84.38
11 30 13 23-0006			Dryers <small>(11 30 13 23-0001)</small>		
11 30 13 23-0007			Electric Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0008	EA		Up To 6 CF, Electric Dryer.....	730.51	84.38
11 30 13 23-0009	EA		>6 To 6.5 CF, Electric Dryer.....	934.50	84.38
11 30 13 23-0010	EA		>6.5 To 7 CF, Electric Dryer.....	1,156.69	84.38
11 30 13 23-0011	EA		>7 To 7.5 CF, Electric Dryer.....	1,318.28	84.38
11 30 13 23-0012			Gas Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0013	EA		Up To 6 CF, Gas Dryer.....	873.90	84.38
11 30 13 23-0014	EA		>6 To 6.5 CF, Gas Dryer.....	1,075.89	84.38
11 30 13 23-0015	EA		>6.5 To 7 CF, Gas Dryer.....	1,277.66	84.38
11 30 13 23-0016	EA		>7 To 7.5 CF, Gas Dryer.....	1,459.67	84.38
11 30 33			Retractable Stairs <small>(11 30)</small>		
11 30 33 00-0001			Disappearing Folding Access Stairs <small>(11 30 33)</small>		
11 30 33 00-0002			250 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0003	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	841.81	254.07
11 30 33 00-0004	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	857.86	254.07
11 30 33 00-0005	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	857.86	254.07
11 30 33 00-0006	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	873.50	254.07
11 30 33 00-0007			350 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0008	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	988.25	254.07
11 30 33 00-0009	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	1,020.68	254.07
11 30 33 00-0010	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	1,007.35	254.07
11 30 33 00-0011	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	1,038.34	254.07
11 30 33 00-0012	EA		30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	1,025.87	254.07
11 30 33 00-0013	EA		30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	1,079.44	254.07
11 30 33 00-0014			400 LB Capacity, Wood One Piece Pull Down Access Stairs <small>(11 30 33 00-0001)</small>		
Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.					
11 30 33 00-0015	EA		24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	1,967.10	254.07
11 30 33 00-0016	EA		24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	2,034.83	254.07
11 30 33 00-0017	EA		24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	2,102.56	254.07
11 30 33 00-0018	EA		24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	2,147.70	254.07
11 30 33 00-0019			600 LB Capacity, Wood One Piece Pull Down Access Stairs <small>(11 30 33 00-0001)</small>		
Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.					
11 30 33 00-0020	EA		24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	2,305.73	254.07
For Ladder Width 18 7/8" Wide, Add				250.58	
11 30 33 00-0021	EA		24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	2,350.88	254.07
For Ladder Width 18 7/8" Wide, Add				257.36	
11 30 33 00-0022	EA		24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	2,373.46	254.07
For Ladder Width 18 7/8" Wide, Add				260.74	
11 30 33 00-0023	EA		24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	2,441.18	254.07
For Ladder Width 18 7/8" Wide, Add				270.90	
11 30 33 00-0024	EA		24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	2,595.00	254.07
For Ladder Width 18 7/8" Wide, Add				284.45	
11 30 33 00-0025	EA		24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	2,707.88	254.07
For Ladder Width 18 7/8" Wide, Add				301.38	
11 30 33 00-0026	EA		24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	2,820.75	254.07
For Ladder Width 18 7/8" Wide, Add				318.31	
11 30 33 00-0027			800 LB Capacity, Wood One Piece Pull Down Access Stairs <small>(11 30 33 00-0001)</small>		
Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.					
11 30 33 00-0028	EA		30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity.....	4,265.55	254.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 30 33 00-0029	EA		30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,310.70	254.07
	11 30 33 00-0030	EA		30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,355.85	254.07
	11 30 33 00-0031	EA		30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,468.72	254.07
	11 30 33 00-0032	EA		30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,599.97	254.07
	11 30 33 00-0033	EA		30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,667.70	254.07
	11 30 33 00-0034	EA		30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,780.57	254.07
	11 30 33 00-0035	EA		30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	5,002.11	254.07
	11 30 33 00-0036	EA		30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	5,205.28	254.07
	11 30 33 00-0037	EA		30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	5,453.61	254.07
	11 30 33 00-0038	EA		30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	5,679.35	254.07
	11 30 33 00-0039			300 LB Capacity, Aluminum Folding Access Stairs <small>(11 30 33 00-0001)</small>		
	11 30 33 00-0040	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	862.58	254.07
	11 30 33 00-0041	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	895.57	254.07
	11 30 33 00-0042	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	871.77	254.07
	11 30 33 00-0043	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	904.74	254.07
	11 30 33 00-0044	EA		25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	1,088.35	254.07
	11 30 33 00-0045			300 LB Capacity, Steel Folding Access Stairs <small>(11 30 33 00-0001)</small>		
	11 30 33 00-0046	EA		22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	846.08	254.07
	11 30 33 00-0047	EA		22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	881.95	254.07
	11 32			Unit Kitchens <small>(11 30)</small>		
	11 32 13			Metal Unit Kitchens <small>(11 32)</small>		
				Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.		
	11 32 13 00-0001			30" Compact Kitchen <small>(11 32 13)</small>		
	11 32 13 00-0002	EA		30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,770.65	765.66
				<i>For Gas Unit, Add</i>	262.47	
	11 32 13 00-0003	EA		30" Compact Unit Kitchen With Refrigerator And Sink	2,270.06	535.96
	11 32 13 00-0004	EA		30" Compact Unit Kitchen With Refrigerator And Range	2,053.87	459.39
	11 32 13 00-0005	EA		30" Compact Unit Kitchen Cabinet For Upper Wall Section	633.21	380.97
	11 32 13 00-0006	EA		30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,221.58	253.98
				<i>For Range Hood In Upper Section, Add</i>	179.00	
	11 32 13 00-0007	EA		30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	73.04	16.87
	11 32 13 00-0008	EA		30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	66.05	16.87
	11 32 13 00-0009			42" Compact Kitchen <small>(11 32 13)</small>		
	11 32 13 00-0010	EA		42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,189.48	842.22
				<i>For Gas Unit, Add</i>	309.98	
	11 32 13 00-0011	EA		42" Compact Unit Kitchen With Refrigerator And Sink	2,824.36	689.09
	11 32 13 00-0012	EA		42" Compact Unit Kitchen Cabinet For Upper Wall Section	789.10	215.88
	11 32 13 00-0013	EA		42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,412.25	285.73
				<i>For Range Hood In Upper Section, Add</i>	179.00	
	11 32 13 00-0014	EA		42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	87.22	16.87
	11 32 13 00-0015	EA		42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	73.47	16.87
	11 32 13 00-0016			54" Compact Kitchen <small>(11 32 13)</small>		
	11 32 13 00-0017	EA		54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,266.86	1,071.92
				<i>For Gas Unit, Add</i>	425.65	
	11 32 13 00-0018	EA		54" Compact Unit Kitchen Cabinet For Upper Wall Section	970.39	126.99
	11 32 13 00-0019	EA		54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,570.34	317.47
				<i>For Range Hood In Upper Section, Add</i>	179.00	
	11 32 13 00-0020	EA		54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	101.23	16.87
	11 32 13 00-0021	EA		54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	76.67	16.87
	11 32 13 00-0022			60" Compact Kitchen <small>(11 32 13)</small>		
	11 32 13 00-0023	EA		60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,504.07	1,148.49
				<i>For Gas Unit, Add</i>	445.91	
	11 32 13 00-0024	EA		60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,160.45	317.47
	11 32 13 00-0025	EA		60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	107.12	16.87
	11 32 13 00-0026	EA		60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	76.67	16.87

11	11 Equipment
	11 30 Residential Equipment
	11 32 Unit Kitchens



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0027 72" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0028 EA 72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	4,825.36	1,225.05
<i>For Gas Unit, Add</i>	478.79	
11 32 13 00-0029 EA 72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,413.56	380.97
11 32 13 00-0030 EA 72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	124.71	21.09
11 32 13 00-0031 EA 72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	80.50	21.09

11 40 Foodservice Equipment (11)

11 41 Foodservice Storage Equipment (11 40)

11 41 13 Refrigerated Food Storage Cases (11 41)

11 41 13 00-0001 Frozen Food Cases (11 41 13)

11 41 13 00-0002 LF Chest Type Frozen Food Case.....	1,845.55	459.53
11 41 13 00-0003 LF Reach-in Frozen Food Case (Glass Door).....	3,522.38	459.53
11 41 13 00-0004 LF Island Type Frozen Food Case.....	2,139.20	459.53
11 41 13 00-0005 LF Multi-Deck Frozen Food Case.....	3,380.27	459.53

11 41 13 00-0006 Reach-In Refrigerators (11 41 13)

11 41 13 00-0007 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,498.46	204.27
11 41 13 00-0008 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,004.13	257.64
11 41 13 00-0009 EA Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,698.05	284.63
11 41 13 00-0010 EA Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,964.66	204.27
11 41 13 00-0011 EA Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,759.54	257.64
11 41 13 00-0012 EA Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,316.54	284.63
11 41 13 00-0013 EA Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,809.05	204.27
11 41 13 00-0014 EA Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,564.72	257.64
11 41 13 00-0015 EA Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,092.55	204.27
11 41 13 00-0016 EA Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	11,658.17	257.64

11 41 13 00-0017 Reach-In Freezers (11 41 13)

11 41 13 00-0018 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	7,311.15	204.52
11 41 13 00-0019 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	9,695.60	257.27

11 41 23 Walk-In-Coolers (11 41)

11 41 23 00-0001 Walk-In Refrigerated Boxes (11 41 23)

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003 EA 6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,835.55	1,534.50
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,947.30	
11 41 23 00-0004 EA 6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,549.58	1,726.32
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,561.96	
11 41 23 00-0005 EA 6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,512.63	1,918.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,738.78	
11 41 23 00-0006 EA 6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,784.42	2,301.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,179.26	
11 41 23 00-0007 EA 6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,817.81	2,685.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,809.80	
11 41 23 00-0008 EA 6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,208.23	3,069.01
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,278.87	
11 41 23 00-0009 EA 6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,555.03	3,452.64
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,737.88	
11 41 23 00-0010 EA 8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,234.76	1,918.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,919.32	
11 41 23 00-0011 EA 8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,955.21	2,109.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,285.68	
11 41 23 00-0012 EA 8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,468.04	2,493.57
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,785.45	
11 41 23 00-0013 EA 8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,800.94	2,877.19
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,491.17	



Equipment	11	
Foodservice Equipment	11 40	⇕
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0014	EA		8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,356.59	3,260.82
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,002.59	
11 41 23 00-0015	EA		8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,996.66	3,644.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,534.13	
11 41 23 00-0016	EA		8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,550.12	4,028.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,045.56	
11 41 23 00-0017	EA		8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,181.63	4,411.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,574.45	
11 41 23 00-0018	EA		8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,747.83	4,795.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,088.52	
11 41 23 00-0019			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,634.84	2,301.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,891.87	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,386.57	2,685.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,451.99	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,261.94	3,069.01
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,042.30	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,972.99	3,452.64
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,592.37	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,891.99	3,836.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,195.38	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,601.74	4,219.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,742.81	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,530.71	4,603.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,348.99	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,228.34	4,987.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,895.89	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,152.79	5,370.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,498.90	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,868.39	5,754.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,048.97	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,047.57	6,329.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,652.51	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	53,989.93	6,905.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,199.40	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,056.28	2,877.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,055.01	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,247.24	3,260.82
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,725.26	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,173.19	3,644.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,328.27	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,349.25	4,028.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,995.34	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,289.95	4,411.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,601.53	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,466.04	4,795.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,268.07	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,384.08	5,178.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,871.08	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,580.78	5,562.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,541.33	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,636.74	6,042.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,144.34	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,071.41	6,617.55
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,811.42	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	59,261.08	7,192.99
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,417.61	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	62,686.22	7,768.43
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,084.15	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,857.50	8,343.87
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,687.16	
11 41 23 00-0045		Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,054.99	3,452.64
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,112.87	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,622.01	3,836.26
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,877.89	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,488.01	4,219.89
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,714.37	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,054.41	4,603.51
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,479.92	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,897.71	4,987.14
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,313.23	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	55,485.00	5,370.76
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,081.95	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	59,333.57	5,754.40
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,915.26	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,160.76	6,329.83
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,680.81	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,261.50	6,905.27
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,517.30	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	71,119.50	7,480.71
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,282.31	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	75,200.41	8,056.15
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,116.15	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	79,046.15	8,535.69
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,884.34	
11 41 23 00-0058		Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,466.81	4,028.08
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,774.73	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,601.88	4,411.70
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,679.51	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,599.64	4,795.33
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,551.47	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,737.47	5,178.95
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,459.43	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	60,741.00	5,562.58
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,331.39	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,004.05	6,042.11
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,236.17	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	69,270.98	6,617.55
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,111.31	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,655.02	7,192.99
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,016.09	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,901.82	7,768.43
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,888.05	



Equipment	11	
Foodservice Equipment	11 40	⇕
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0068 EA 16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	82,292.89	8,343.87
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,796.01	
11 41 23 00-0069 EA 18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,065.32	4,603.51
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,482.65	
11 41 23 00-0070 EA 18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,310.97	4,987.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,416.55	
11 41 23 00-0071 EA 18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	60,785.58	5,370.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,407.10	
11 41 23 00-0072 EA 18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,025.92	5,754.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,338.35	
11 41 23 00-0073 EA 18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	69,763.71	6,329.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,331.55	
11 41 23 00-0074 EA 18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	74,243.52	6,905.27
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,262.80	
11 41 23 00-0075 EA 18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	79,003.66	7,480.71
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,253.35	
11 41 23 00-0076 EA 18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	83,484.81	8,056.15
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,187.25	
11 41 23 00-0077 EA 18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	88,219.98	8,631.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,177.80	
11 41 23 00-0078 EA 18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	92,945.77	9,334.90
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,109.06	
11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080 EA 6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,602.15	1,534.50
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,138.95	
11 41 23 00-0081 EA 6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,846.05	1,726.32
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,636.07	
11 41 23 00-0082 EA 6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,486.76	1,918.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,982.32	
11 41 23 00-0083 EA 6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,902.57	2,301.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,458.80	
11 41 23 00-0084 EA 6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,999.48	2,685.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,105.22	
11 41 23 00-0085 EA 6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,533.90	3,069.01
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,610.29	
11 41 23 00-0086 EA 6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,944.24	3,452.64
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,085.18	
11 41 23 00-0087 EA 8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,289.37	1,918.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,182.97	
11 41 23 00-0088 EA 8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,073.35	2,109.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,565.21	
11 41 23 00-0089 EA 8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,730.18	2,493.57
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,100.99	
11 41 23 00-0090 EA 8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,126.61	2,877.19
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,822.59	
11 41 23 00-0091 EA 8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,826.27	3,260.82
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,370.01	
11 41 23 00-0092 EA 8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,529.87	3,644.45
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,917.44	
11 41 23 00-0093 EA 8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,227.33	4,028.08
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,464.86	
11 41 23 00-0094 EA 8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,922.37	4,411.70
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,009.63	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	40,632.57 -8,559.70	4,795.33
11 41 23 00-0096		Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	23,816.51 -5,187.28	2,301.76
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	26,712.25 -5,783.41	2,685.39
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	29,651.14 -6,389.60	3,069.01
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	32,506.19 -6,975.67	3,452.64
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	35,488.73 -7,594.57	3,836.26
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	38,342.48 -8,177.99	4,219.89
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	41,334.98 -8,800.06	4,603.51
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	44,176.61 -9,382.96	4,987.14
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	47,164.60 -10,001.85	5,370.76
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	50,024.20 -10,587.92	5,754.40
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	53,266.91 -11,207.35	6,329.83
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	56,353.28 -11,790.24	6,809.37
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	29,525.96 -6,422.43	2,877.19
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	32,780.44 -7,108.56	3,260.82
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	35,850.41 -7,747.57	3,644.45
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	39,090.00 -8,430.53	4,028.08
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	42,174.69 -9,072.71	4,411.70
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	45,414.32 -9,755.14	4,795.33
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	48,476.36 -10,394.15	5,178.95
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	51,736.58 -11,080.28	5,562.58
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	54,936.56 -11,719.30	6,042.11
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	58,434.76 -12,402.25	6,617.55
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	61,768.42 -13,044.44	7,192.99
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	65,257.10 -13,726.87	7,768.43
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	68,572.38 -14,365.88	8,343.87



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
<small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.</small>		
11 41 23 00-0123 EA 14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,651.73	3,452.64
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-8,512.06	
11 41 23 00-0124 EA 14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,362.75	3,836.26
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-9,313.07	
11 41 23 00-0125 EA 14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,292.29	4,219.89
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-10,165.44	
11 41 23 00-0126 EA 14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,002.69	4,603.51
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-10,966.99	
11 41 23 00-0127 EA 14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	53,909.51	4,987.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-11,816.18	
11 41 23 00-0128 EA 14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	57,640.81	5,370.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-12,620.90	
11 41 23 00-0129 EA 14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	61,552.91	5,754.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-13,470.10	
11 41 23 00-0130 EA 14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,524.10	6,329.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-14,271.64	
11 41 23 00-0131 EA 14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	69,688.37	6,905.27
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-15,124.01	
11 41 23 00-0132 EA 14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,690.38	7,480.71
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-15,925.03	
11 41 23 00-0133 EA 14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,834.82	8,056.15
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-16,774.75	
11 41 23 00-0134 EA 14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	81,824.56	8,631.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-17,578.95	
11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
<small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.</small>		
11 41 23 00-0136 EA 16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,351.55	4,028.08
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-10,245.91	
11 41 23 00-0137 EA 16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,550.16	4,411.70
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-11,166.58	
11 41 23 00-0138 EA 16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,691.92	4,795.33
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-12,074.54	
11 41 23 00-0139 EA 16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	58,893.27	5,178.95
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-12,998.38	
11 41 23 00-0140 EA 16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,040.81	5,562.58
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-13,906.34	
11 41 23 00-0141 EA 16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,367.40	6,042.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-14,827.01	
11 41 23 00-0142 EA 16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	71,778.32	6,617.55
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-15,738.14	
11 41 23 00-0143 EA 16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	76,225.89	7,192.99
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-16,658.81	
11 41 23 00-0144 EA 16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	80,616.70	7,768.43
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-17,566.77	
11 41 23 00-0145 EA 16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	85,071.30	8,343.87
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-18,490.61	
11 41 23 00-0146 EA 18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,077.12	4,603.51
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-11,985.60	
11 41 23 00-0147 EA 18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	58,466.78	4,987.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-12,955.50	
11 41 23 00-0148 EA 18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,004.92	5,370.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-13,961.93	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0149 EA 18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,389.26	5,754.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,929.19	
11 41 23 00-0150 EA 18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	72,190.59	6,329.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,938.27	
11 41 23 00-0151 EA 18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	76,814.40	6,905.27
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,905.52	
11 41 23 00-0152 EA 18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	81,638.07	7,480.71
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,911.95	
11 41 23 00-0153 EA 18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	86,263.22	8,056.15
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,881.85	
11 41 23 00-0154 EA 18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	91,061.92	8,631.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,888.29	
11 41 23 00-0155 EA 18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	95,931.71	9,334.90
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,855.54	
11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons (11 41 23 00-0001)		
11 41 23 00-0157 SF Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	0.90	
11 41 23 00-0158 SF Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®.....	1.67	
11 41 23 00-0159 SF Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®.....	2.34	
11 41 23 00-0160 SF Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	16.52	
11 41 23 00-0161 SF Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	21.60	
11 41 23 00-0162 SF Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®.....	2.67	
11 41 23 00-0163 SF Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®.....	6.55	
11 41 23 00-0164 SF Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®.....	8.47	
11 41 23 00-0165 SF Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®.....	8.89	
11 41 23 00-0166 SF Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor.....	-11.94	
11 41 23 00-0167 SF Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor.....	4.98	
11 41 23 00-0168 SF Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor.....	12.93	
11 41 23 00-0169 SF Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	11.34	
11 41 23 00-0170 SF Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	36.74	
11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)		
11 41 23 00-0172 Medium Temperature Hermetic System, Indoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173 208/230 Volt, 1 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,991.13	211.47
11 41 23 00-0175 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,276.41	246.72
11 41 23 00-0176 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,079.19	281.96
11 41 23 00-0177 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,559.70	317.21
11 41 23 00-0178 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,227.05	352.45
11 41 23 00-0179 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,128.30	422.94
11 41 23 00-0180 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,025.26	493.44
11 41 23 00-0181 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,834.94	563.93
11 41 23 00-0182 208/230 Volt, 3 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,087.73	281.96
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,559.70	317.21
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,303.94	352.45
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,036.77	422.94
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,025.26	493.44
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,728.76	563.93
11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190 208/230 Volt, 1 Phase (11 41 23 00-0189)		
Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,314.23	211.47
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,757.15	246.72
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,484.72	281.96
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,726.90	317.21
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,153.47	352.45
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,019.96	422.94
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,346.53	493.44
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,019.02	563.93



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0199 208/230 Volt, 3 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,449.02	281.96
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,741.37	317.21
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,228.73	352.45
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,948.56	422.94
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,368.72	493.44
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,930.26	563.93
11 41 23 00-0206 Low Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,663.61	211.47
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,879.32	246.72
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,164.62	281.96
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,586.55	317.21
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,167.25	352.45
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,463.93	422.94
11 41 23 00-0214 208/230 Volt, 3 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,173.16	281.96
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,586.55	317.21
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,246.58	352.45
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,376.06	422.94
11 41 23 00-0219 Low Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 208/230 Volt, 1 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,062.00	211.47
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,154.67	246.72
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,445.16	281.96
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,908.29	317.21
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,449.69	352.45
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,273.72	422.94
11 41 23 00-0227 208/230 Volt, 3 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,619.80	281.96
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,994.17	317.21
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,519.16	352.45
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,203.28	422.94
11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233 208/230 Volt, 1 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,448.99	281.96
11 41 23 00-0235 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	14,749.39	563.93
11 41 23 00-0236 208/230 Volt, 3 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,453.87	281.96
11 41 23 00-0238 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,921.05	352.45
11 41 23 00-0239 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,134.30	422.94
11 41 23 00-0240 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,550.46	563.93
11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		

11	11 Equipment
	11 40 Foodservice Equipment
	11 41 Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0242 208/230 Volt, 1 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,702.77	281.96
11 41 23 00-0244 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,997.14	563.93
11 41 23 00-0245 208/230 Volt, 3 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,712.42	281.96
11 41 23 00-0247 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,754.58	352.45
11 41 23 00-0248 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,674.29	422.94
11 41 23 00-0249 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	12,676.25	563.93
11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251 208/230 Volt, 1 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,588.41	246.72
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,042.13	281.96
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,261.02	317.21
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,567.89	352.45
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	12,092.36	422.94
11 41 23 00-0257 208/230 Volt, 3 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,554.23	246.72
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,037.25	281.96
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,214.65	317.21
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,487.34	352.45
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,663.98	422.94
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	16,290.33	493.44
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	17,203.05	634.42
11 41 23 00-0265 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	24,764.21	740.15
11 41 23 00-0266 Low Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267 208/230 Volt, 1 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,835.86	246.72
11 41 23 00-0269 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,131.17	281.96
11 41 23 00-0270 EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,127.88	317.21
11 41 23 00-0271 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,182.57	352.45
11 41 23 00-0272 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,239.70	422.94
11 41 23 00-0273 208/230 Volt, 3 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,750.95	246.72
11 41 23 00-0275 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,135.03	281.96
11 41 23 00-0276 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,113.40	317.21
11 41 23 00-0277 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,111.18	352.45
11 41 23 00-0278 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,933.84	422.94
11 41 23 00-0279 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,413.01	493.44
11 41 23 00-0280 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,278.49	634.42
11 41 23 00-0281 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	21,412.35	740.15
11 41 23 00-0282 Walk-In Refrigerated Boxes Accessories <small>(11 41 23)</small> See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283 Accessories <small>(11 41 23 00-0282)</small>		



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0284 EA Super Door Package, For 36" Or 42" Door.....	1,088.21	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285 EA Super Door Package, For 48" Door.....	1,488.45	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286 EA Super Door Package, For 60" Door.....	1,488.45	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287 EA 14" x 24" Observation Window, Heated.....	1,716.56	
11 41 23 00-0288 EA Heated Air Vent, Kason.....	604.77	
11 41 23 00-0289 EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	1,462.43	
11 41 23 00-0290 EA Interior Ramps For 36" Or 42" Wide Doors.....	2,139.68	
11 41 23 00-0291 EA Interior Ramps For 48" Wide Doors.....	2,340.86	
11 41 23 00-0292 EA Interior Ramps For 60" Wide Doors.....	2,573.80	
11 41 23 00-0293 EA Exterior Ramps For 36" Or 42" Wide Doors.....	856.36	
11 41 23 00-0294 EA Exterior Ramps For 48" Wide Doors.....	1,584.84	
11 41 23 00-0295 EA Exterior Ramps For 60" Wide Doors.....	1,584.84	
11 41 23 00-0296 EA Field Installed Extra Vapor-Proof Lights.....	186.96	
11 41 23 00-0297 EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	942.98	
11 41 23 00-0298 EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	2,107.71	
11 41 23 00-0299 EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	2,215.71	
11 41 23 00-0300 EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	1,048.86	
11 41 23 00-0301 EA Locking Devices, 36" Or 42" Wide Locking Bar.....	585.09	
11 41 23 00-0302 EA Locking Devices, 48" Wide Locking Bar.....	669.79	
11 41 23 00-0303 EA Locking Devices, 60" Wide Locking Bar.....	669.79	
11 41 23 00-0304 EA Locking Devices, Mortise Dead Bolt (Cooler).....	1,203.45	
11 41 23 00-0305 EA Locking Devices, Mortise Dead Bolt (Freezer).....	1,482.99	
11 41 23 00-0306 EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	2,402.27	
11 41 23 00-0307 EA Blast Freezer Kit, For 48" Wide Doors.....	2,537.80	
11 41 23 00-0308 EA Blast Freezer Kit, For 60" Wide Doors.....	2,609.80	
11 41 23 00-0309 EA Hardware Options, Polished For 36" Or 42" Door.....	116.47	
11 41 23 00-0310 EA Hardware Options, Polished For 48" Or 60" Door.....	95.30	
11 41 23 00-0311 EA Hardware Options, Chrome For 36" Or 42" Door.....	294.36	
11 41 23 00-0312 EA Hardware Options, Chrome For 48" Or 60" Door.....	158.83	
11 41 23 00-0313 EA Hardware Options, Positive Latch, 36" Or 42" Door.....	370.80	
11 41 23 00-0314 EA Hardware Options, Strap Hinges, 36" Or 42" Door.....	269.15	
11 41 23 00-0315 EA 4" Screed Door.....	693.71	
11 41 23 00-0316 EA Doors Cut For Tile.....	846.19	
11 41 23 00-0317 EA 84" High Doors (36" Wide).....	846.19	
11 41 23 00-0318 EA Doors Raised Or Lowered In Panel.....	1,966.44	
11 41 23 00-0319 EA 57-1/2" Door Section.....	530.65	
11 41 23 00-0320 EA 3 Way, Interior And Exterior, Light Switches.....	468.61	
11 41 23 00-0321 EA 3 Way (1 Side Only) Light Switch.....	237.51	
11 41 23 00-0322 EA Structural Support, 5" Reinforcing Ceilings (Every 23").....	434.54	
11 41 23 00-0323 EA Structural Support, 6" Reinforcing Ceilings (Every 23").....	553.13	
11 41 23 00-0324 LF Structural Support, Self-Supporting Standard Angle.....	58.30	
11 41 23 00-0325 LF Structural Support, Self-Supporting 6" Channel.....	75.77	
11 41 23 00-0326 LF Structural Support, Self-Supporting 8" Channel.....	110.18	
11 41 23 00-0327 LF Structural Support, Self-Supporting 10" Channel.....	176.36	
11 41 23 00-0328 LF Structural Support, Suspended Ceiling Support.....	31.59	
11 41 23 00-0329 LF Factory Prepared Opening, Foam Cut Opening.....	7.89	
11 41 23 00-0330 LF Factory Prepared Opening, Metal Capped Opening.....	37.06	
11 41 23 00-0331 LF Factory Prepared Opening, Wood Framed Opening.....	24.20	
11 41 23 00-0332 LF Factory Prepared Opening, Metal Capped Wood Framed Opening.....	57.18	
11 41 23 00-0333 LF Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	97.51	
11 41 23 00-0334 SF Outdoor Weather Roofs, Aluminum Roof Caps.....	39.20	
11 41 23 00-0335 SF Outdoor Weather Roofs, Membrane Roof Caps.....	11.65	
11 41 23 00-0336 SF Outdoor Weather Roofs, Painted Aluminum Roofs.....	48.69	
11 41 23 00-0337 SF 1/8" Aluminum Tread Plate.....	95.30	
11 41 23 00-0338 SF 3/16" Aluminum Tread Plate.....	115.94	
11 41 23 00-0339 EA Digitemp Display Thermometer (Indoor Exterior Wall).....	468.33	
11 41 23 00-0340 EA 4-1/2" Dial Type Thermometer With 5" Cap Tube.....	419.63	
11 41 23 00-0341 EA 6" Dial Type Thermometer With 5" Cap Tube.....	1,374.71	
11 41 23 00-0342 EA 2" Dial Type Thermometer (Standard).....	140.09	
11 41 23 00-0343 LF Extra Capillary Tubing.....	18.38	
11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.		
11 41 23 00-0345 EA 5'-10" Length Partition Wall, 7'-2"/7'-6" High.....	4,947.73	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	240.99	
11 41 23 00-0346 EA 6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	5,390.37	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	262.81	
11 41 23 00-0347 EA 7'-9" Length Partition Wall, 7'-2"/7'-6" High.....	5,544.99	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	270.22	
11 41 23 00-0348 EA 8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	5,996.12	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume® On Both Sides, Add	292.45	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	5,871.21	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	285.89	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	6,311.73	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	307.59	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	6,445.18	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	313.95	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,072.06	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	344.97	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	6,794.69	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	330.78	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,237.34	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	352.60	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,402.55	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	360.54	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,847.31	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	382.46	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,044.08	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	441.97	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	5,400.92	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	263.65	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	5,775.79	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	282.08	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	5,957.94	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	290.86	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	6,457.78	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	315.54	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	6,307.46	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	307.70	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	6,805.15	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	332.27	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	6,989.43	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	341.16	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	7,487.13	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	365.73	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	7,336.82	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	357.89	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	7,834.53	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	382.46	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,018.80	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	391.35	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,516.50	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	415.91	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,366.17	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	408.08	
11 41 23 00-0371		Glass Doors For Walk-In Refrigerated Boxes (11 41 23 00-0282) Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model.....	2,102.87	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model.....	2,297.69	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model.....	2,316.75	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model.....	2,562.40	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model.....	2,812.29	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model.....	2,990.18	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model.....	3,000.77	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model.....	3,492.07	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101.....	2,858.88	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101.....	3,540.78	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101.....	3,780.08	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101.....	3,860.55	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101.....	4,353.97	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101.....	4,832.57	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101.....	4,921.51	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0387 EA 30" x 75" Glass Door, Anthony Model 101.....	5,249.75	
11 41 23 00-0388 EA 23" x 67" Glass Door, Anthony Model 401.....	2,257.46	
11 41 23 00-0389 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	2,378.17	
11 41 23 00-0390 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	3,197.71	
11 41 23 00-0391 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	2,742.41	
11 41 23 00-0392 EA 23" x 67" Glass Door, Anthony Model 401.....	3,045.24	
11 41 23 00-0393 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	3,187.12	
11 41 23 00-0394 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	3,197.71	
11 41 23 00-0395 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	3,807.61	
11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)		
11 41 23 00-0397 EA 14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	748.15	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0398 EA 14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	788.44	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0399 EA 14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	879.54	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0400 EA 14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	928.28	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0401 EA 14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,008.83	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0402 EA 18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	864.68	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0403 EA 18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	885.89	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0404 EA 18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	979.11	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0405 EA 18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,023.62	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0406 EA 18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,169.81	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0407 EA 21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	943.07	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0408 EA 21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	953.70	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0409 EA 21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,089.26	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0410 EA 21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,095.65	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0411 EA 21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,263.03	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0412 EA 14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	638.03	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0413 EA 14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	669.85	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0414 EA 14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	735.54	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0415 EA 14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	750.40	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0416 EA 14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	856.36	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0417 EA 18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	703.73	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0418 EA 18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	754.60	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0419 EA 18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	799.10	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0420 EA 18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	809.73	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0421 EA 18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	955.92	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0422 EA 21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	773.65	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0423 EA 21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	803.34	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0424 EA 21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	862.67	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0425 EA 21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	894.47	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0426 EA 21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	1,044.90	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0427 EA 14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,507.99	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0428 EA 14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,798.76	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0429 EA 14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,854.17	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0430 EA 14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,909.59	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0431 EA 14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	3,520.49	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0432 EA 18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,632.07	
For Cantilever Shelving, Add	402.00	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0433 EA 18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,795.34 402.00	
11 41 23 00-0434 EA 18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,095.89 402.00	
11 41 23 00-0435 EA 18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,219.94 402.00	
11 41 23 00-0436 EA 18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,938.70 402.00	
11 41 23 00-0437 EA 21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,844.37 402.00	
11 41 23 00-0438 EA 21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,105.69 402.00	
11 41 23 00-0439 EA 21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,406.24 402.00	
11 41 23 00-0440 EA 21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,530.30 402.00	
11 41 23 00-0441 EA 21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	4,484.38 402.00	
11 41 23 00-0442 EA 14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	881.69 472.00	
11 41 23 00-0443 EA 14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	951.61 472.00	
11 41 23 00-0444 EA 14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,032.12 472.00	
11 41 23 00-0445 EA 14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,106.28 472.00	
11 41 23 00-0446 EA 14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,199.55 472.00	
11 41 23 00-0447 EA 18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,046.91 472.00	
11 41 23 00-0448 EA 18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,072.36 472.00	
11 41 23 00-0449 EA 18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,184.63 472.00	
11 41 23 00-0450 EA 18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,241.85 472.00	
11 41 23 00-0451 EA 18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,419.83 472.00	
11 41 23 00-0452 EA 21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,142.24 472.00	
11 41 23 00-0453 EA 21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,178.28 472.00	
11 41 23 00-0454 EA 21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,305.38 472.00	
11 41 23 00-0455 EA 21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,332.97 472.00	
11 41 23 00-0456 EA 21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,532.10 472.00	
11 41 23 00-0457 EA 14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	748.28 472.00	
11 41 23 00-0458 EA 14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	786.43 472.00	
11 41 23 00-0459 EA 14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	866.94 472.00	
11 41 23 00-0460 EA 14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	883.92 472.00	
11 41 23 00-0461 EA 14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,013.20 472.00	
11 41 23 00-0462 EA 18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	847.85 472.00	
11 41 23 00-0463 EA 18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	907.18 472.00	
11 41 23 00-0464 EA 18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,036.40 472.00	
11 41 23 00-0465 EA 18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,025.84 472.00	
11 41 23 00-0466 EA 18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,148.76 472.00	
11 41 23 00-0467 EA 21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	932.59 472.00	
11 41 23 00-0468 EA 21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	968.63 472.00	
11 41 23 00-0469 EA 21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,042.79 472.00	
11 41 23 00-0470 EA 21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,078.84 472.00	
11 41 23 00-0471 EA 21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	1,265.27 472.00	
11 41 23 00-0472 EA 14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,061.57 472.00	
11 41 23 00-0473 EA 14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,423.40 472.00	
11 41 23 00-0474 EA 14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,491.07 472.00	



Equipment	11	
Foodservice Equipment	11 40	⇕
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0475 EA 14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,558.75 472.00	
11 41 23 00-0476 EA 14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,319.20 472.00	
11 41 23 00-0477 EA 18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,215.04 472.00	
11 41 23 00-0478 EA 18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,417.53 472.00	
11 41 23 00-0479 EA 18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,791.62 472.00	
11 41 23 00-0480 EA 18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,945.09 472.00	
11 41 23 00-0481 EA 18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,840.36 472.00	
11 41 23 00-0482 EA 21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,478.82 472.00	
11 41 23 00-0483 EA 21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,803.88 472.00	
11 41 23 00-0484 EA 21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,177.97 472.00	
11 41 23 00-0485 EA 21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,331.45 472.00	
11 41 23 00-0486 EA 21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	5,520.87 472.00	

11 41 31 Non-Refrigerated Storage Equipment (11 41)

11 41 31 00-0001 Wall Cabinets (11 41 31)		
11 41 31 00-0002 EA 48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,419.42	99.17
11 41 31 00-0003 EA 72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	3,192.37	130.93
11 41 31 00-0004 EA 72" Wall Cabinet With Hinged Doors..... Note: 15" deep and 24" high.	3,664.16	150.10
11 41 31 00-0005 EA 72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	2,344.99	95.75
11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)		
11 41 31 00-0007 EA 2 Level Mobile Sheet Pan Truck.....	227.61	9.61
11 41 31 00-0008 Pot And Utensil Rack (11 41 31)		
11 41 31 00-0009 EA 70" Bench Type Pot And Utensil Rack.....	664.61	29.29
11 41 31 00-0010 EA 94" Bench Type Pot And Utensil Rack.....	769.91	33.10
11 41 31 00-0011 EA 94" Ceiling Type Pot And Utensil Rack.....	915.42	39.65
11 41 31 00-0012 EA 96" Wall Type Pot And Utensil Rack.....	497.87	21.66
11 41 31 00-0013 Tray And Silverware Cart (11 41 31)		
11 41 31 00-0014 EA 33" x 22-1/2" x 42" Tray And Silverware Cart.....	2,297.64	98.83
11 41 31 00-0015 Flat Top Utility Units (11 41 31)		
11 41 31 00-0016 EA 39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,566.62	67.56
11 41 31 00-0017 EA 79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	2,099.28	90.29

11 41 33 Foodservice Shelving (11 41)

11 41 33 00-0001 Shelving/Racks (11 41 33)		
11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)		
11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0004 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	348.10	33.99
11 41 33 00-0005 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	368.19	34.27
11 41 33 00-0006 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	393.15	34.55
11 41 33 00-0007 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	408.50	34.84
11 41 33 00-0008 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	438.18	35.12
11 41 33 00-0009 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	463.23	35.40
11 41 33 00-0010 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	483.33	35.68
11 41 33 00-0011 EA 14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	528.37	36.24
11 41 33 00-0012 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	382.62	34.27
11 41 33 00-0013 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	397.97	34.55
11 41 33 00-0014 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	413.34	34.84
11 41 33 00-0015 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	457.55	35.12
11 41 33 00-0016 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	487.32	35.40
11 41 33 00-0017 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	526.69	35.68
11 41 33 00-0018 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	541.94	35.96
11 41 33 00-0019 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	596.78	36.52

11	11	Equipment
	11 40	Foodservice Equipment
	11 41	Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	402.81	34.55
	11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	437.34	34.84
	11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	462.39	35.12
	11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	492.07	35.40
	11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	512.26	35.68
	11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	561.31	35.96
	11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	586.24	36.24
	11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	650.65	36.80
	11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	447.12	34.84
	11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	467.23	35.12
	11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	482.48	35.40
	11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	521.95	35.68
	11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	546.88	35.96
	11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	595.93	36.24
	11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	630.45	36.52
	11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	714.20	37.08
	11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	602.24	35.12
	11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	680.10	35.40
	11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	729.25	35.68
	11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	841.01	35.96
	11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	668.22	36.24
	11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	741.47	36.52
	11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	833.79	36.80
	11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	983.22	37.36
11 41 33 00-0044	63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>				
	11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	352.85	33.99
	11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	372.94	34.27
	11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	397.87	34.55
	11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	413.25	34.84
	11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	442.92	35.12
	11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	467.95	35.40
	11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	488.07	35.68
	11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	533.09	36.24
	11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	387.34	34.27
	11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	402.71	34.55
	11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	418.09	34.84
	11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	462.27	35.12
	11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	492.07	35.40
	11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	531.41	35.68
	11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	546.68	35.96
	11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	554.66	36.52
	11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	407.55	34.55
	11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	442.08	34.84
	11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	467.11	35.12
	11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	496.79	35.40
	11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	517.01	35.68
	11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	566.03	35.96
	11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	590.98	36.24
	11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	655.40	36.80
	11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	451.86	34.84
	11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	471.95	35.12
	11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	487.22	35.40
	11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	526.69	35.68
	11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	551.62	35.96
	11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	600.65	36.24
	11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	635.17	36.52
	11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	718.95	37.08
	11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	606.96	35.12
	11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	684.84	35.40
	11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	733.97	35.68
	11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	845.73	35.96
	11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	672.94	36.24
	11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	746.19	36.52
	11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	838.59	36.80
	11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	987.94	37.36
11 41 33 00-0085	66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>				
	11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	355.32	33.99
	11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	375.41	34.27
	11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	400.34	34.55
	11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	415.72	34.84
	11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	445.39	35.12
	11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	470.42	35.40
	11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	490.54	35.68
	11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	535.56	36.24
	11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	389.84	34.27
	11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	405.18	34.55
	11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	420.56	34.84



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

	MINOR					TOTAL DIRECT	DEMOLITION
	CSI	UOM	DESCRIPTION			UNIT COST	UNIT COST
11 41 33 00-0097	EA		18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			464.76	35.12
11 41 33 00-0098	EA		18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			494.54	35.40
11 41 33 00-0099	EA		18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			533.88	35.68
11 41 33 00-0100	EA		18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			549.15	35.96
11 41 33 00-0101	EA		18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			603.99	36.52
11 41 33 00-0102	EA		21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			410.02	34.55
11 41 33 00-0103	EA		21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			444.55	34.84
11 41 33 00-0104	EA		21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			469.58	35.12
11 41 33 00-0105	EA		21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			499.26	35.40
11 41 33 00-0106	EA		21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			519.48	35.68
11 41 33 00-0107	EA		21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			568.50	35.96
11 41 33 00-0108	EA		21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			593.46	36.24
11 41 33 00-0109	EA		21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			657.87	36.80
11 41 33 00-0110	EA		24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			454.33	34.84
11 41 33 00-0111	EA		24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			474.42	35.12
11 41 33 00-0112	EA		24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			489.69	35.40
11 41 33 00-0113	EA		24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			529.16	35.68
11 41 33 00-0114	EA		24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			554.09	35.96
11 41 33 00-0115	EA		24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			603.14	36.24
11 41 33 00-0116	EA		24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			637.64	36.52
11 41 33 00-0117	EA		24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			721.42	37.08
11 41 33 00-0118	EA		30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			609.43	35.12
11 41 33 00-0119	EA		30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			687.31	35.40
11 41 33 00-0120	EA		30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			736.47	35.68
11 41 33 00-0121	EA		30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			848.20	35.96
11 41 33 00-0122	EA		36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			675.41	36.24
11 41 33 00-0123	EA		36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			748.66	36.52
11 41 33 00-0124	EA		36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			841.03	36.80
11 41 33 00-0125	EA		36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....			990.41	37.36
11 41 33 00-0126			74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)				
11 41 33 00-0127	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			362.51	33.99
11 41 33 00-0128	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			382.62	34.27
11 41 33 00-0129	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			407.55	34.55
11 41 33 00-0130	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			422.93	34.84
11 41 33 00-0131	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			452.61	35.12
11 41 33 00-0132	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			477.64	35.40
11 41 33 00-0133	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			497.76	35.68
11 41 33 00-0134	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			542.78	36.24
11 41 33 00-0135	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			397.03	34.27
11 41 33 00-0136	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			412.40	34.55
11 41 33 00-0137	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			427.77	34.84
11 41 33 00-0138	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			471.95	35.12
11 41 33 00-0139	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			501.73	35.40
11 41 33 00-0140	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			541.10	35.68
11 41 33 00-0141	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			556.37	35.96
11 41 33 00-0142	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			611.18	36.52
11 41 33 00-0143	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			417.24	34.55
11 41 33 00-0144	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			451.77	34.84
11 41 33 00-0145	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			476.80	35.12
11 41 33 00-0146	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			506.47	35.40
11 41 33 00-0147	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			526.69	35.68
11 41 33 00-0148	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			575.71	35.96
11 41 33 00-0149	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			600.65	36.24
11 41 33 00-0150	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			665.08	36.80
11 41 33 00-0151	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			461.55	34.84
11 41 33 00-0152	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			481.64	35.12
11 41 33 00-0153	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			496.91	35.40
11 41 33 00-0154	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			536.35	35.68
11 41 33 00-0155	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			561.31	35.96
11 41 33 00-0156	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			610.33	36.24
11 41 33 00-0157	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			644.86	36.52
11 41 33 00-0158	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			728.63	37.08
11 41 33 00-0159	EA		30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			616.65	35.12
11 41 33 00-0160	EA		30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			694.53	35.40
11 41 33 00-0161	EA		30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			743.66	35.68
11 41 33 00-0162	EA		30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			855.42	35.96
11 41 33 00-0163	EA		36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			682.63	36.24
11 41 33 00-0164	EA		36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			755.87	36.52
11 41 33 00-0165	EA		36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			848.27	36.80
11 41 33 00-0166	EA		36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....			997.63	37.36
11 41 33 00-0167			86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)				
11 41 33 00-0168	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....			381.78	33.99
11 41 33 00-0169	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....			401.87	34.27
11 41 33 00-0170	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....			426.80	34.55
11 41 33 00-0171	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....			442.18	34.84
11 41 33 00-0172	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....			471.86	35.12
11 41 33 00-0173	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....			496.91	35.40

11	11	Equipment
	11 40	Foodservice Equipment
	11 41	Foodservice Storage Equipment



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0174	EA 14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	517.01	35.68
11 41 33 00-0175	EA 14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	562.05	36.24
11 41 33 00-0176	EA 18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	416.30	34.27
11 41 33 00-0177	EA 18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	431.64	34.55
11 41 33 00-0178	EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	447.02	34.84
11 41 33 00-0179	EA 18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	491.23	35.12
11 41 33 00-0180	EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	521.00	35.40
11 41 33 00-0181	EA 18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	560.37	35.68
11 41 33 00-0182	EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	575.62	35.96
11 41 33 00-0183	EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	630.45	36.52
11 41 33 00-0184	EA 21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	436.49	34.55
11 41 33 00-0185	EA 21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	471.02	34.84
11 41 33 00-0186	EA 21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	496.07	35.12
11 41 33 00-0187	EA 21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	525.72	35.40
11 41 33 00-0188	EA 21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	545.94	35.68
11 41 33 00-0189	EA 21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	594.99	35.96
11 41 33 00-0190	EA 21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	619.92	36.24
11 41 33 00-0191	EA 21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	684.33	36.80
11 41 33 00-0192	EA 24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	480.80	34.84
11 41 33 00-0193	EA 24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	500.89	35.12
11 41 33 00-0194	EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	516.16	35.40
11 41 33 00-0195	EA 24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	555.63	35.68
11 41 33 00-0196	EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	580.56	35.96
11 41 33 00-0197	EA 24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	629.60	36.24
11 41 33 00-0198	EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	664.11	36.52
11 41 33 00-0199	EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	747.88	37.08
11 41 33 00-0200	EA 30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	635.90	35.12
11 41 33 00-0201	EA 30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	713.78	35.40
11 41 33 00-0202	EA 30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	762.93	35.68
11 41 33 00-0203	EA 30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	874.66	35.96
11 41 33 00-0204	EA 36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	701.88	36.24
11 41 33 00-0205	EA 36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	775.12	36.52
11 41 33 00-0206	EA 36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	867.54	36.80
11 41 33 00-0207	EA 36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	1,016.88	37.36

11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0209	EA 14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	452.91	33.99
11 41 33 00-0210	EA 14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	477.81	34.27
11 41 33 00-0211	EA 14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	508.78	34.55
11 41 33 00-0212	EA 14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	527.78	34.84
11 41 33 00-0213	EA 14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	564.67	35.12
11 41 33 00-0214	EA 14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	595.77	35.40
11 41 33 00-0215	EA 14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	620.68	35.68
11 41 33 00-0216	EA 14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	676.56	36.24
11 41 33 00-0217	EA 18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	495.84	34.27
11 41 33 00-0218	EA 18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	514.83	34.55
11 41 33 00-0219	EA 18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	533.82	34.84
11 41 33 00-0220	EA 18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	588.86	35.12
11 41 33 00-0221	EA 18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	625.88	35.40
11 41 33 00-0222	EA 18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	674.88	35.68
11 41 33 00-0223	EA 18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	693.72	35.96
11 41 33 00-0224	EA 18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	761.84	36.52
11 41 33 00-0225	EA 21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	520.89	34.55
11 41 33 00-0226	EA 21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	563.83	34.84
11 41 33 00-0227	EA 21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	594.93	35.12
11 41 33 00-0228	EA 21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	631.79	35.40
11 41 33 00-0229	EA 21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	656.86	35.68
11 41 33 00-0230	EA 21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	717.94	35.96
11 41 33 00-0231	EA 21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	748.91	36.24
11 41 33 00-0232	EA 21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	829.00	36.80
11 41 33 00-0233	EA 24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	576.06	34.84
11 41 33 00-0234	EA 24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	600.97	35.12
11 41 33 00-0235	EA 24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	619.83	35.40
11 41 33 00-0236	EA 24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	668.96	35.68
11 41 33 00-0237	EA 24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	699.91	35.96
11 41 33 00-0238	EA 24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	760.99	36.24
11 41 33 00-0239	EA 24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	803.93	36.52
11 41 33 00-0240	EA 24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	908.23	37.08
11 41 33 00-0241	EA 30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	769.73	35.12
11 41 33 00-0242	EA 30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	866.86	35.40
11 41 33 00-0243	EA 30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	928.07	35.68
11 41 33 00-0244	EA 30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,067.57	35.96
11 41 33 00-0245	EA 36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	851.36	36.24
11 41 33 00-0246	EA 36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	942.71	36.52
11 41 33 00-0247	EA 36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,058.00	36.80
11 41 33 00-0248	EA 36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,244.26	37.36

11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit ^(11 41 33 00-0249)		
11 41 33 00-0251 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	397.23	33.99
11 41 33 00-0252 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	418.74	34.27
11 41 33 00-0253 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	445.52	34.55
11 41 33 00-0254 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	467.04	34.84
11 41 33 00-0255 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	499.00	35.12
11 41 33 00-0256 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	525.67	35.40
11 41 33 00-0257 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	552.46	35.68
11 41 33 00-0258 EA 14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	595.47	36.24
11 41 33 00-0259 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	434.25	34.27
11 41 33 00-0260 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	450.70	34.55
11 41 33 00-0261 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	482.55	34.84
11 41 33 00-0262 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	519.67	35.12
11 41 33 00-0263 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	551.61	35.40
11 41 33 00-0264 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	593.79	35.68
11 41 33 00-0265 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	625.76	35.96
11 41 33 00-0266 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	674.13	36.52
11 41 33 00-0267 EA 21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	455.86	34.55
11 41 33 00-0268 EA 21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	498.16	34.84
11 41 33 00-0269 EA 21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	524.83	35.12
11 41 33 00-0270 EA 21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	556.79	35.40
11 41 33 00-0271 EA 21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	578.31	35.68
11 41 33 00-0272 EA 21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	636.09	35.96
11 41 33 00-0273 EA 21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	662.87	36.24
11 41 33 00-0274 EA 21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	742.19	36.80
11 41 33 00-0275 EA 24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	508.50	34.84
11 41 33 00-0276 EA 24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	530.00	35.12
11 41 33 00-0277 EA 24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	546.46	35.40
11 41 33 00-0278 EA 24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	588.64	35.68
11 41 33 00-0279 EA 24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	636.09	35.96
11 41 33 00-0280 EA 24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	688.70	36.24
11 41 33 00-0281 EA 24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	731.00	36.52
11 41 33 00-0282 EA 24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	825.91	37.08
11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit ^(11 41 33 00-0249)		
11 41 33 00-0284 EA 14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	407.57	33.99
11 41 33 00-0285 EA 14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	429.07	34.27
11 41 33 00-0286 EA 14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	455.86	34.55
11 41 33 00-0287 EA 14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	477.37	34.84
11 41 33 00-0288 EA 14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	509.34	35.12
11 41 33 00-0289 EA 14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	536.00	35.40
11 41 33 00-0290 EA 14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	562.79	35.68
11 41 33 00-0291 EA 14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	605.81	36.24
11 41 33 00-0292 EA 18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	444.59	34.27
11 41 33 00-0293 EA 18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	461.04	34.55
11 41 33 00-0294 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	492.89	34.84
11 41 33 00-0295 EA 18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	530.00	35.12
11 41 33 00-0296 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	561.94	35.40
11 41 33 00-0297 EA 18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	604.13	35.68
11 41 33 00-0298 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	636.09	35.96
11 41 33 00-0299 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	684.39	36.52
11 41 33 00-0300 EA 21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	466.19	34.55
11 41 33 00-0301 EA 21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	508.50	34.84
11 41 33 00-0302 EA 21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	535.16	35.12
11 41 33 00-0303 EA 21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	567.12	35.40
11 41 33 00-0304 EA 21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	588.64	35.68
11 41 33 00-0305 EA 21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	646.42	35.96
11 41 33 00-0306 EA 21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	673.21	36.24
11 41 33 00-0307 EA 21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	752.52	36.80
11 41 33 00-0308 EA 24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	518.83	34.84
11 41 33 00-0309 EA 24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	540.34	35.12
11 41 33 00-0310 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	556.79	35.40
11 41 33 00-0311 EA 24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	598.97	35.68
11 41 33 00-0312 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	646.42	35.96
11 41 33 00-0313 EA 24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	699.03	36.24
11 41 33 00-0314 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	741.34	36.52
11 41 33 00-0315 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	836.25	37.08
11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit ^(11 41 33 00-0249)		
11 41 33 00-0317 EA 14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	417.90	33.99
11 41 33 00-0318 EA 14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	439.41	34.27
11 41 33 00-0319 EA 14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	466.19	34.55
11 41 33 00-0320 EA 14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	487.71	34.84
11 41 33 00-0321 EA 14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	519.67	35.12
11 41 33 00-0322 EA 14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	546.33	35.40
11 41 33 00-0323 EA 14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	573.13	35.68
11 41 33 00-0324 EA 14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	616.14	36.24
11 41 33 00-0325 EA 18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	454.92	34.27



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	798.37	34.84
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	877.79	35.40
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	983.03	35.96
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,046.82	36.52
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	872.51	35.40
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,008.86	35.96
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,114.10	36.52
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,271.14	37.08
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	824.32	34.84
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	903.71	35.40
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,008.95	35.96
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,072.77	36.52
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	898.46	35.40
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,034.80	35.96
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,140.04	36.52
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,297.06	37.08
11 41 33 00-0418 Stainless Steel Shelving Unit <small>(11 41 33 00-0001)</small>		
11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,001.75	34.84
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,172.80	35.40
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,389.13	35.96
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,615.73	36.52
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,187.18	35.40
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,383.48	35.96
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,640.98	36.52
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,981.31	37.08
11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0429 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,037.79	34.84
11 41 33 00-0430 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,208.84	35.40
11 41 33 00-0431 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,430.30	35.96
11 41 33 00-0432 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,651.75	36.52
11 41 33 00-0433 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,223.22	35.40
11 41 33 00-0434 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,419.50	35.96
11 41 33 00-0435 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,677.00	36.52
11 41 33 00-0436 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,017.35	37.08
11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0438 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,073.81	34.84
11 41 33 00-0439 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,244.86	35.40
11 41 33 00-0440 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,466.32	35.96
11 41 33 00-0441 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,687.79	36.52
11 41 33 00-0442 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,259.24	35.40
11 41 33 00-0443 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,455.54	35.96
11 41 33 00-0444 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,713.04	36.52
11 41 33 00-0445 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,053.37	37.08
11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0447 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,673.53	34.84
11 41 33 00-0448 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,853.65	35.40
11 41 33 00-0449 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,093.01	35.96
11 41 33 00-0450 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,237.30	36.52
11 41 33 00-0451 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,011.69	35.40
11 41 33 00-0452 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,375.84	35.96
11 41 33 00-0453 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,641.24	36.52
11 41 33 00-0454 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	3,038.47	37.08
11 41 33 00-0455 74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0456 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,725.29	34.84
11 41 33 00-0457 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,908.56	35.40
11 41 33 00-0458 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,152.16	35.96
11 41 33 00-0459 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,298.91	36.52
11 41 33 00-0460 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,063.48	35.40
11 41 33 00-0461 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,427.61	35.96
11 41 33 00-0462 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,695.93	36.52
11 41 33 00-0463 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	3,097.63	37.08

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI UOM	DESCRIPTION		
11 41 33 00-0464	86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit ^(11 41 33 00-0418)		
11 41 33 00-0465	EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,777.08	34.84
11 41 33 00-0466	EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,959.34	35.40
11 41 33 00-0467	EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,201.67	35.96
11 41 33 00-0468	EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,347.73	36.52
11 41 33 00-0469	EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,115.25	35.40
11 41 33 00-0470	EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,479.40	35.96
11 41 33 00-0471	EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,746.05	36.52
11 41 33 00-0472	EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	3,145.15	37.08
11 41 33 00-0473	Galvanized Steel Dunnage Rack ^(11 41 33 00-0001)		
11 41 33 00-0474	EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	258.64	25.06
11 41 33 00-0475	EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	272.80	25.75
11 41 33 00-0476	EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	288.97	26.45
11 41 33 00-0477	EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	319.20	27.15
11 41 33 00-0478	EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	345.39	27.84
11 41 33 00-0479	EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	278.72	25.06
11 41 33 00-0480	EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	304.93	25.75
11 41 33 00-0481	EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	321.10	26.45
11 41 33 00-0482	EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	349.32	27.15
11 41 33 00-0483	EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	381.54	27.84
11 41 33 00-0484	Stainless Steel Dunnage Rack ^(11 41 33 00-0001)		
11 41 33 00-0485	EA 18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	707.48	26.45
11 41 33 00-0486	EA 18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	888.95	27.15
11 41 33 00-0487	EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,508.10	27.84
11 41 33 00-0488	EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	774.63	26.45
11 41 33 00-0489	EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	966.71	27.15
11 41 33 00-0490	EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,645.34	27.84
11 41 33 00-0491	Mobile Racks ^(11 41 33 00-0001)		
11 41 33 00-0492	EA Mobile Rack With Pan Slide.....	1,919.30	42.18
11 41 33 00-0493	Can Racks ^(11 41 33 00-0001)		
11 41 33 00-0494	EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack	4,015.04	42.18
	Note: 156 #10 cans capacity		
11 42 Food Preparation Equipment ^(11 40)			
11 42 13 Food Preparation Appliances ^(11 42)			
11 42 13 00-0001	Vertical Cutter Mixers ^(11 42 13)		
11 42 13 00-0002	EA Bench Type Mixers, 25 Quart	11,389.91	276.04
11 42 13 00-0003	EA Bench Type Mixers, 40 Quart	13,163.97	306.71
11 42 13 00-0004	EA Bench Type Mixers, 80 Quart	16,366.61	441.67
11 42 13 00-0005	EA Bench Type Mixers, 130 Quart	18,307.82	552.08
11 42 13 00-0006	Choppers ^(11 42 13)		
11 42 13 00-0007	EA Choppers, 5 LB.....	2,932.91	245.37
11 42 13 00-0008	EA Choppers, 16 LB.....	4,296.45	318.98
11 42 13 00-0009	EA Choppers, 35 LB - 40 LB	8,216.52	392.59
11 42 13 00-0010	EA Choppers, 35 LB - 40 LB/Min, 2 HP.....	6,800.66	348.79
11 42 13 00-0011	EA Choppers, 35 LB - 40 LB/Min, 3 HP.....	7,698.46	348.79
11 42 13 00-0012	Stand Model Mixer ^(11 42 13)		
11 42 13 00-0013	EA 10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10).....	1,354.04	101.22
11 42 13 00-0014	EA 20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,683.54	101.22
11 42 13 00-0015	EA 10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,438.11	101.22
11 42 13 00-0016	EA 20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1).....	9,391.40	116.55
11 42 13 00-0017	Floor Model Mixer ^(11 42 13)		
11 42 13 00-0018	EA 30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30).....	3,495.75	101.22
11 42 13 00-0019	EA 40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40).....	4,836.25	112.49
11 42 13 00-0020	EA 60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60).....	8,324.03	126.54
11 42 13 00-0021	EA 30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1).....	17,830.73	116.55



Equipment	11	
Foodservice Equipment	11 40	⇩
Food Preparation Equipment	11 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0022 EA 40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	21,886.89	119.62
11 42 13 00-0023 EA 60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	27,869.82	122.69
11 42 13 00-0024 EA 80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	41,151.77	153.35
11 42 13 00-0025 EA 140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	52,713.80	196.30
11 42 13 00-0026 Slicers <small>(11 42 13)</small>		
11 42 13 00-0027 EA 1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	665.62	31.64
11 42 13 00-0028 EA 1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	965.61	31.64
11 42 13 00-0029 EA 1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,387.26	31.64
11 42 13 00-0030 EA 1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,351.03	31.64
11 42 13 00-0031 EA 3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,591.98	31.64
11 42 13 00-0032 EA 1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	6,792.03	31.64
11 42 13 00-0033 Peelers <small>(11 42 13)</small>		
11 42 13 00-0034 EA 22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10)	3,744.34	199.36
11 42 13 00-0035 EA 44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20)	4,328.69	232.49
11 42 13 00-0036 EA 66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30)	6,681.08	265.86
11 42 13 00-0037 EA 20 Lb, 115 Voltage, Potato Peeler (Hobart 6115)	5,950.36	199.36
11 42 13 00-0038 EA 40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,014.96	232.49
11 42 13 00-0039 EA 60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1)	12,798.54	265.86
11 42 13 00-0040 Proof Boxes <small>(11 42 13)</small>		
11 42 13 00-0041 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box	3,581.41	98.83
11 42 13 00-0042 EA 30-1/2" x 45", Stainless Steel Proof Box	5,992.86	165.63
11 42 13 00-0043 EA 30-1/2" x 45", Galvanized Proof Box	3,333.32	75.19
11 42 13 00-0044 Non-Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0045 EA Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,191.84	94.71
11 42 13 00-0046 EA Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,351.14	101.27
11 42 13 00-0047 EA Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,176.95	93.95
11 42 13 00-0048 EA Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,307.28	99.59
11 42 13 00-0049 Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0050 EA 3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	3,540.81	145.28
11 42 13 00-0051 EA 3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	3,700.21	151.87
11 42 13 00-0052 Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small>		
11 42 13 00-0053 EA Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,547.98	257.64
11 42 13 00-0054 EA Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,026.54	257.64
11 42 13 00-0055 EA Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,235.30	269.90
11 42 13 00-0056 EA Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,212.89	269.90
11 42 16 Food Preparation Surfaces <small>(11 42)</small>		
11 42 16 00-0001 Tables <small>(11 42 16)</small>		
11 42 16 00-0002 Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003 EA 4' Open Base Baker's Table	895.88	64.77
11 42 16 00-0004 EA 10' Open Base Baker's Table	1,758.31	126.99
11 42 16 00-0005 EA 10' Undershelf Baker's Table	2,169.48	156.70
11 42 16 00-0006 EA 10' Three Drawers Baker's Table	2,326.91	168.26
11 42 16 00-0007 EA 10' Bins Baker's Table	3,423.50	247.63
11 42 16 00-0008 EA 10' Bins And Drawers Baker's Table	5,375.84	388.71
11 42 16 00-0009 Preparation Table, Stainless Steel, With Undershelf <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010 EA 30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	1,306.42	34.16
11 42 16 00-0011 EA 30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf	1,407.80	41.01
11 42 16 00-0012 EA 36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf	2,128.07	55.75
11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014 EA 30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,375.59	35.93
11 42 16 00-0015 EA 36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,768.02	46.22
11 42 16 00-0016 EA 36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,518.71	39.75
11 42 16 00-0017 EA 36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front	1,828.05	47.87
11 42 16 00-0018 EA Roller Utility Drawers Stainless Steel Preparation Table With Open Front	369.29	9.66

11	11 Equipment
	11 40 Foodservice Equipment
	11 42 Food Preparation Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0019 Mobile Tables <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020 EA 21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	3,173.33	30.60
11 42 16 00-0021 EA 32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,717.04	36.70
11 42 16 00-0022 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,574.17	41.28
11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,811.43	73.65
11 42 16 00-0025 EA 32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,280.43	59.68
11 42 16 00-0026 EA Full Size Pan With Cover Stainless Steel Hot Food Tables	189.28	4.95
11 42 16 00-0027 EA Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	276.94	7.24
11 42 16 00-0028 EA 58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	5,590.72	154.80
11 42 16 00-0029 EA 114-1/2", 8 Openings Stainless Steel Hot Food Tables	11,122.56	308.84
11 42 16 00-0030 Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031 LF Table, Basic.....	294.40	23.45
11 42 16 00-0032 Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033 LF Table With Sink.....	401.25	58.79
11 42 23 Food Preparation Scullery Sinks <small>(11 42)</small>		
11 42 23 00-0001 Stainless Steel Scullery Sinks <small>(11 42 23)</small>		
<small>Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.</small>		
11 42 23 00-0002 EA Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	2,584.84	246.72
<small>For Additional Drain Board, Add 230.29</small>		
11 42 23 00-0003 EA Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard	3,620.28	281.96
<small>For Additional Drain Board, Add 326.78</small>		
11 42 23 00-0004 EA Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	4,767.19	281.96
<small>For Additional Drain Board, Add 434.43</small>		
11 42 23 00-0005 EA Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	6,797.28	281.96
<small>For Additional Drain Board, Add 623.34</small>		
11 42 23 00-0006 EA Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	4,220.48	281.96
11 42 23 00-0007 EA Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR)	5,332.28	281.96
<small>For Additional Drain Board, Add 497.98</small>		
11 44 Food Cooking Equipment <small>(11 40)</small>		
11 44 13 Commercial Ranges <small>(11 44)</small>		
11 44 13 00-0001 Range <small>(11 44 13)</small>		
11 44 13 00-0002 EA Heavy Duty Range, With 34" Open Top Oven	3,229.24	122.69
11 44 13 00-0003 EA Range With Fry Top.....	3,229.24	122.69
11 44 13 00-0004 EA Steel Finish Fry Top.....	6,912.79	185.91
11 44 13 00-0005 EA Stainless Top Only Fry Top	6,909.36	183.78
11 44 13 00-0006 EA Stainless Top And 2 Sides Fry Top	7,984.25	213.98
11 44 13 00-0007 EA Gas Range, Vulcan #260L.....	7,212.16	190.64
<small>Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.</small>		
11 44 13 00-0008 EA 48" Range With Casters (Vulcan 48C-4B24GN).....	14,965.85	84.38
11 44 16 Commercial Ovens <small>(11 44)</small>		
11 44 16 00-0001 Bake Oven <small>(11 44 16)</small>		
11 44 16 00-0002 EA 55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	19,255.98	460.28
11 44 16 00-0003 EA 55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	19,255.98	460.28
11 44 16 00-0004 EA 74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	26,034.10	460.28
11 44 16 00-0005 EA 74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	26,034.10	460.28
11 44 16 00-0006 EA 55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	37,123.19	526.04
11 44 16 00-0007 EA 55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	37,123.19	526.04
11 44 16 00-0008 EA 74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	54,209.80	526.04
11 44 16 00-0009 EA 74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	54,209.80	526.04
11 44 16 00-0010 EA 55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	58,955.57	657.56
11 44 16 00-0011 EA 55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	58,955.57	657.56
11 44 16 00-0012 EA 74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436).....	82,822.61	657.56
11 44 16 00-0013 EA 74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436).....	82,822.61	657.56
11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens <small>(11 44 16)</small>		
11 44 16 00-0015 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1).....	11,341.02	21.09
11 44 16 00-0016 EA 800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E15M).....	6,723.43	21.09
11 44 16 00-0017 EA 4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	5,292.42	21.09



Equipment		11
Foodservice Equipment		11 40
Food Cooking Equipment		11 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0018 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1).....	8,077.76	21.09
11 44 16 00-0019 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	8,407.78	21.09
11 44 16 00-0020 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	8,407.78	21.09
11 44 16 00-0021 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	8,407.78	21.09
11 44 16 00-0022 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	8,407.78	21.09
11 44 16 00-0023 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500).....	8,407.78	21.09
11 44 16 00-0024 EA 1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	15,655.96	21.09
11 44 16 00-0025 EA 6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	14,513.89	21.09
11 44 16 00-0026 EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	7,745.00	21.09
11 44 16 00-0027 EA 3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	6,327.68	21.09
11 44 16 00-0028 EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19).....	6,882.28	21.09
11 44 16 00-0029 EA 6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601).....	16,477.60	21.09
11 44 16 00-0030 EA 5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT).....	14,708.35	21.09
11 44 16 00-0031 EA 1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC).....	10,282.48	21.09
11 44 16 00-0032 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	20,710.38	21.09
11 44 16 00-0033 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	20,710.38	21.09
11 44 16 00-0034 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch).....	21,477.24	21.09
11 44 16 00-0035 EA 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	21,477.24	21.09
11 44 16 00-0036 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	11,380.73	21.09
11 44 16 00-0037 EA 5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1).....	11,341.02	21.09
11 44 16 00-0038 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400).....	13,837.41	21.09
11 44 16 00-0039 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104).....	12,051.73	21.09
11 44 16 00-0040 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI).....	13,467.68	21.09
11 44 16 00-0041 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH).....	14,123.62	21.09
11 44 16 00-0042 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH).....	12,503.63	21.09
11 44 16 00-0043 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER).....	15,204.07	21.09
11 44 16 00-0044 EA 6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	15,881.91	21.09
11 44 16 00-0045 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	11,996.95	21.09
11 44 16 00-0046 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK).....	11,517.67	21.09
11 44 16 00-0047 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	11,517.67	21.09
11 44 16 00-0048 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK).....	12,133.89	21.09
11 44 16 00-0049 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	12,133.89	21.09
11 44 16 00-0050 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1).....	13,186.95	21.09
11 44 16 00-0051 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	17,673.08	21.09
11 44 16 00-0052 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	17,673.08	21.09
11 44 16 00-0053 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	18,412.55	21.09
11 44 16 00-0054 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	18,412.55	21.09
11 44 16 00-0055 EA 10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HDD-9500-1).....	16,565.24	21.09
11 44 16 00-0056 EA 5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1).....	12,448.85	21.09
11 44 16 00-0057		
Combination Ovens (11 44 16) Note: Convection, steam and combination modes.		
11 44 16 00-0058 EA 35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	24,258.80	214.69
11 44 16 00-0059 EA 35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	39,768.55	245.37

11 Equipment
11 40 Foodservice Equipment
11 44 Food Cooking Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	32,864.80	245.37
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	79,238.79	306.71
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	60,176.96	306.71
11 44 16 00-0063		Broiler, Without Oven ^(11 44 16)		
11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven	8,967.75	196.30
11 44 16 00-0065	EA	Conveyor Broiler	7,971.87	227.82
11 44 16 00-0066		Oven Stands ^(11 44 16)		
11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	1,921.14	
11 44 16 00-0068		Countertop Electric Convection Type Ovens ^(11 44 16)		
11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14).....	262.17	10.55
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16).....	426.01	10.55
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28).....	502.31	10.55
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32).....	646.97	10.55
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,177.37	10.55
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,370.24	10.55
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q).....	233.24	10.55
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H).....	387.54	10.55
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17).....	1,108.95	10.55
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	1,008.75	10.55
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,371.98	10.55
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702).....	2,225.74	10.55
11 44 16 00-0081		Electric Convection Type Ovens ^(11 44 16)		
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100).....	4,459.12	42.19
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK).....	8,844.03	84.38
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK).....	8,844.03	84.38
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK).....	8,844.03	84.38
11 44 16 00-0086	EA	22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK).....	8,844.03	84.38
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3).....	14,611.69	84.38
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,305.85	42.19
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,305.85	42.19
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3).....	8,019.43	42.19
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,305.85	42.19
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,305.85	42.19
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3).....	16,038.85	84.38
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E).....	6,820.61	42.19
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E).....	13,641.21	84.38
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1).....	14,611.69	84.38
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1).....	18,491.39	84.38
11 44 16 00-0098		Natural Gas Convection Type Ovens ^(11 44 16)		
11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	5,129.54	42.19
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N).....	10,173.48	84.38



Equipment	11	
Foodservice Equipment	11 40	↕
Food Cooking Equipment	11 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0101	EA		100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT).....	17,571.13	84.38
11 44 16 00-0102	EA		100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD).....	16,825.01	84.38
11 44 16 00-0103	EA		100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	15,705.81	84.38
11 44 16 00-0104	EA		50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K).....	8,785.57	42.19
11 44 16 00-0105	EA		120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G).....	8,869.94	84.38
11 44 16 00-0106	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	24,569.40	84.38
11 44 16 00-0107	EA		50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	7,852.91	42.19
11 44 16 00-0108	EA		100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	21,543.18	84.38
11 44 16 00-0109	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	32,032.89	84.38
11 44 16 00-0110	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	24,569.40	84.38
11 44 16 00-0111	EA		100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G).....	20,116.75	84.38
11 44 16 00-0112	EA		90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES).....	17,900.31	84.38
11 44 16 00-0113	EA		50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN).....	8,412.51	42.19
11 44 16 00-0114	EA		36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN).....	9,394.71	245.37
			<i>For 5" Swivel Plate Casters, Set of 4, Add</i>	631.20	
11 44 16 00-0115			Liquid Propane Convection Type Ovens ^(11 44 16)		
11 44 16 00-0116	EA		108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L).....	10,173.48	84.38
11 44 16 00-0117	EA		100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP).....	17,571.13	84.38
11 44 16 00-0118	EA		50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K).....	8,785.57	42.19
11 44 16 00-0119	EA		100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP).....	33,191.59	84.38
11 44 16 00-0120	EA		100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	15,705.81	84.38
11 44 16 00-0121	EA		100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP).....	16,825.01	84.38
11 44 16 00-0122	EA		50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL).....	8,412.51	42.19
11 44 16 00-0123	EA		50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	7,852.91	42.19
11 44 16 00-0124			Countertop Pizza Oven ^(11 44 16)		
11 44 16 00-0125	EA		3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE).....	7,708.03	21.09
11 44 16 00-0126			Rotary Deck Pizza Oven ^(11 44 16)		
11 44 16 00-0127	EA		90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare).....	37,826.55	84.38
11 44 16 00-0128			Triple Conveyor Oven ^(11 44 16)		
11 44 16 00-0129	EA		30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	62,345.06	168.75
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0130	EA		30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	62,345.06	168.75
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0131	EA		22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,929.18	168.75
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0132	EA		22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	115,310.10	168.75
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		

11	Equipment
11 40	Foodservice Equipment
11 44	Food Cooking Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	115,310.10	168.75
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,929.18	168.75
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,929.18	168.75
11 44 19 Commercial Cooking Equipment (11 44)				
11 44 19 00-0001 Drop-In Electric Griddle (11 44 19)				
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle.....	4,295.19	168.69
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle.....	6,088.37	168.69
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle.....	6,965.83	184.03
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle.....	8,324.94	184.03
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle.....	10,659.71	199.36
11 44 19 00-0007 Countertop Griddle (11 44 19)				
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N).....	587.68	167.41
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N).....	719.68	167.41
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N).....	796.68	167.41
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N).....	993.59	167.41
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716).....	1,075.54	167.41
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717).....	1,369.57	167.41
11 44 19 00-0014 Panini Sandwich Grill (11 44 19)				
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S).....	595.26	84.38
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78).....	455.41	84.38
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S).....	455.41	84.38
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	455.41	84.38
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B).....	936.29	84.38
11 44 19 00-0020 Electric Countertop Fryer, With Submerger (11 44 19)				
11 44 19 00-0021	EA	30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202).....	915.57	84.38
11 44 19 00-0022	EA	30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710).....	2,011.10	84.38
11 44 19 00-0023	EA	30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	7,485.35	84.38
11 44 19 00-0024 Electric Floor Fryer, With Submerger (11 44 19)				
11 44 19 00-0025	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	6,774.00	245.37
11 44 19 00-0026	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	7,107.02	245.37
11 44 19 00-0027	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	22,573.14	318.98
11 44 19 00-0028	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	23,119.62	318.98
11 44 19 00-0029 Natural Gas Floor Fryer, With Submerger (11 44 19)				
11 44 19 00-0030	EA	40 LB Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300).....	1,423.89	134.99
11 44 19 00-0031	EA	50 LB Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400).....	1,629.37	168.75
11 44 19 00-0032	EA	70 To 100 LB Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518).....	2,346.31	337.49
11 44 19 00-0033 Steam Jacketed Kettles (11 44 19)				
11 44 19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T).....	13,564.69	21.09
11 44 19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7).....	12,062.60	21.09
11 44 19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T).....	9,589.41	21.09
11 44 19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7).....	9,998.58	21.09
11 44 19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL).....	35,112.35	21.09
11 44 19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3).....	61,867.50	84.38
11 44 19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403).....	146,317.75	84.38
11 44 19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3).....	32,165.61	84.38
11 44 19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3).....	32,165.61	84.38
11 44 19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3).....	58,968.78	84.38
11 44 19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T).....	21,496.35	84.38



Equipment	11	
Foodservice Equipment	11 40	↕
Food Cooking Equipment	11 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0045	EA		40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	47,450.27	84.38
11 44 19 00-0046	EA		20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	59,403.40	84.38
11 44 19 00-0047	EA		60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	42,262.03	84.38
11 44 19 00-0048	EA		40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	38,988.70	84.38
11 44 19 00-0049	EA		40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	120,383.83	84.38
11 44 19 00-0050	EA		60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	124,213.64	84.38
11 44 19 00-0051	EA		100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	57,871.83	168.75
11 44 19 00-0052	EA		60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	40,339.47	168.75
11 44 19 00-0053	EA		40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	57,582.68	168.75
11 44 19 00-0054	EA		80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	47,839.05	168.75
11 44 19 00-0055	EA		40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	49,573.92	168.75
11 44 19 00-0056	EA		6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	20,832.21	168.75
11 44 19 00-0057	EA		60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	60,112.24	168.75
11 44 19 00-0058	EA		125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	59,801.28	168.75
11 44 19 00-0059	EA		80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	66,275.21	168.75
11 44 19 00-0060	EA		60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	44,885.77	168.75
11 44 19 00-0061	EA		12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	27,351.60	168.75
11 44 19 00-0062	EA		40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	145,609.96	168.75
11 44 19 00-0063	EA		80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	48,159.11	168.75
11 44 19 00-0064	EA		60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	60,112.24	168.75
11 44 19 00-0065	EA		60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	139,750.69	168.75
11 44 19 00-0066	EA		25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	45,893.23	168.75
11 44 19 00-0067	EA		100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	139,370.62	168.75
11 44 19 00-0068	EA		20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	47,466.25	168.75
11 44 19 00-0069	EA		100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	164,557.12	168.75
11 44 19 00-0070	EA		12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,929.34	168.75
11 44 19 00-0071	EA		80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	47,839.05	168.75
11 44 19 00-0072	EA		60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	47,575.37	168.75
11 44 19 00-0073	EA		40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	140,154.40	168.75
11 44 19 00-0074	EA		6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,832.21	168.75
11 44 19 00-0075	EA		100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	57,871.83	168.75
11 44 19 00-0076	EA		40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,962.96	168.75
11 44 19 00-0077	EA		60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	27,064.28	168.75
11 44 19 00-0078	EA		125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	47,369.87	168.75
11 44 19 00-0079	EA		200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	63,212.82	168.75
11 44 19 00-0080	EA		12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	24,645.65	168.75
11 44 19 00-0081	EA		12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	17,118.79	168.75
11 44 19 00-0082	EA		40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	18,197.17	168.75
11 44 19 00-0083	EA		60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	28,377.25	168.75
11 44 19 00-0084	EA		60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	21,206.83	168.75
11 44 19 00-0085	EA		40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	17,180.62	168.75
11 44 19 00-0086	EA		80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	42,834.48	168.75
11 44 19 00-0087	EA		80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	9,260.97	168.75
11 44 19 00-0088	EA		40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	30,157.58	168.75
11 44 19 00-0089	EA		12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	12,976.20	168.75
11 44 19 00-0090	EA		100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	32,579.85	168.75
11 44 19 00-0091	EA		60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	20,388.49	168.75
11 44 19 00-0092			Kettles, Steam Jacketed <small>(11 44 19)</small>		
11 44 19 00-0093	EA		5 Gallon Kettle, With Stand	5,000.96	114.39

11	Equipment
11 40	Foodservice Equipment
11 44	Food Cooking Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0094	EA	20 Gallon Kettle With Steam Jacket	20,537.62	152.51
11 44 19 00-0095	EA	40 Gallon Kettle With Steam Jacket	21,229.24	167.76
11 44 19 00-0096	EA	60 Gallon Kettle With Steam Jacket	25,705.22	183.01
11 44 19 00-0097		Steamers, Electric <small>(11 44 19)</small>		
11 44 19 00-0098		Cooking Equipment/ Steamers <small>(11 44 19 00-0097)</small>		
11 44 19 00-0099	EA	3 Pan, Electric Countertop Convection Steamer.....	9,279.10	257.64
11 44 19 00-0100	EA	5 Pan, Electric Countertop Convection Steamer.....	12,204.04	269.90
11 44 19 00-0101	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	8,590.28	257.64
11 44 19 00-0102	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	12,501.47	269.90
11 44 19 00-0103		Braising Pans <small>(11 44 19)</small>		
11 44 19 00-0104	EA	24" x 24", 240 Volt, Tilting Braising Pan.....	10,672.49	265.83
11 44 19 00-0105	EA	24" x 31", 240 Volt, Tilting Braising Pan.....	11,262.12	279.56
11 44 19 00-0106	EA	24" x 41", 240 Volt, Tilting Braising Pan.....	11,995.03	297.71
11 44 19 00-0107	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	13,912.87	346.67
11 44 19 00-0108	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	14,386.54	357.34
11 44 19 00-0109	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	14,945.00	366.80
11 44 19 00-0110		Toasters <small>(11 44 19)</small>		
11 44 19 00-0111	EA	Bun Toaster 3.2 KW.....	2,103.89	49.52
11 44 19 00-0112	EA	Bun Toaster 4.3 KW.....	2,296.11	53.97
11 44 19 00-0113	EA	Pop-Up Toaster, 2 Slot	635.10	132.86
11 44 19 00-0114	EA	Conveyor Toaster	1,082.24	199.36
11 44 19 00-0115		Microwave Ovens <small>(11 44 19)</small>		
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	219.28	10.55
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	241.30	10.55
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	314.71	10.55
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	402.80	10.55
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	505.57	10.55
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	314.71	10.55
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS).....	368.30	10.55
11 44 19 00-0123	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	655.34	10.55
11 44 19 00-0124	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	800.69	10.55
11 44 19 00-0125	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,685.99	10.55
11 44 19 00-0126	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	461.25	10.55
11 44 19 00-0127	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	630.45	10.55
11 44 19 00-0128	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	483.56	10.55
11 44 19 00-0129	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	424.84	10.55
11 44 19 00-0130	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	827.12	10.55
11 44 19 00-0131	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	380.79	10.55
11 44 19 00-0132	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	797.75	10.55
11 44 19 00-0133	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWH12).....	885.84	10.55
11 44 19 00-0134	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,489.26	10.55
11 44 19 00-0135	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521).....	1,382.08	10.55
11 44 19 00-0136	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,627.27	10.55
11 44 19 00-0137	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,524.50	10.55
11 44 19 00-0138	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,712.42	10.55
11 44 19 00-0139	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	4,626.01	10.55
11 44 19 00-0140	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	6,132.35	10.55



Equipment	11
Foodservice Equipment	11 40
Food Cooking Equipment	11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0141	EA		208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,910.62	10.55
11 44 19 00-0142	EA		208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	5,967.18	10.55
11 44 19 00-0143	EA		208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24).....	3,681.24	10.55
11 44 19 00-0144	EA		208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWHD18).....	988.61	10.55
11 44 19 00-0145	EA		208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	1,047.34	10.55
11 44 19 00-0146	EA		208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21).....	1,120.75	10.55
11 44 19 00-0147	EA		208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2).....	2,703.44	10.55
11 44 19 00-0148	EA		208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	900.52	10.55
11 44 19 00-0149	EA		208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182).....	1,976.69	10.55
11 44 19 00-0150	EA		208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,989.91	10.55
11 44 19 00-0151	EA		208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,856.30	10.55
11 44 19 00-0152	EA		208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212).....	2,069.19	10.55
11 44 19 00-0153	EA		208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521).....	1,870.98	10.55
11 44 19 00-0154	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2).....	3,377.33	10.55
11 44 19 00-0155	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2).....	4,434.41	10.55
11 44 19 00-0156			Ceramic Broiler On Storage Base With Doors (11 44 19)		
11 44 19 00-0157	EA		Standard Finish Ceramic Boiler On Storage Base With Doors.....	8,793.25	217.94
11 44 19 00-0158	EA		Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	8,793.25	217.94
11 44 19 00-0159	EA		Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	10,929.26	272.09
11 44 19 00-0160			Gas Countertop Hot Plate (11 44 19)		
11 44 19 00-0161	EA		2 Burners Gas Countertop Hot Plate.....	1,121.05	27.76
11 44 19 00-0162			Food Service Additions (11 44 19)		
11 44 19 00-0163	EA		30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge).....	7,783.27	27.45
11 44 19 00-0164	EA		Heavy Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S).....	5,161.45	204.88
11 44 19 00-0165	EA		Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10).....	50,407.95	
11 44 19 00-0166	EA		1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS).....	1,016.61	10.97
11 44 19 00-0167	EA		1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS).....	590.51	10.97
11 44 19 00-0168	EA		48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151).....	17,766.14	184.03
11 44 19 00-0169	EA		120 Volt, 14.9 Amperes, 20" W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80).....	8,475.69	354.56
11 44 19 00-0170	EA		1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE).....	5,806.78	354.56
11 44 19 00-0171	EA		Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20).....	19,873.59	257.64
11 44 19 00-0172	EA		115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1).....	36,230.16	297.40
11 44 19 00-0173	EA		50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL).....	31,078.36	152.51
11 44 19 00-0174	EA		Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model).....	18,749.09	53.15
11 44 19 00-0175	EA		6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255).....	5,118.83	346.20
11 44 19 00-0176	EA		3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT).....	294.62	28.20
11 44 19 00-0177	EA		1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7).....	10,037.80	382.95
11 44 19 00-0178	EA		20", 3/8" Thick, Stainless Steel, Heavy Duty Mounting, Tempered Glass (English Mfg. M-107).....	13,491.53	10.97
11 44 19 00-0179	EA		1350lb, Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60).....	19,275.26	147.65
11 44 19 00-0180	EA		Gas Fired Pasta Cooker (Frymaster GPCRB-SC).....	24,266.41	184.54
11 44 19 00-0181	EA		Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH).....	1,065.56	5.06
11 44 19 00-0182	EA		5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T).....	25,687.34	267.98
11 44 19 00-0183	EA		Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart Cle (BDEL-RAX-STDDOM)).....	22,521.66	229.70
11 44 19 00-0184	EA		1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510).....	3,567.71	176.67
11 44 19 00-0185	EA		20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200).....	10,890.90	306.71
11 44 19 00-0186	EA		Electronic Control, Stainless Steel Dishwasher (Hobart LXI/LXIH new model is Lxeh).....	17,376.44	267.98
11 44 19 00-0187	EA		27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012).....	3,440.07	70.15
11 44 19 00-0188	EA		Remote Air Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100).....	16,414.47	276.04
11 44 19 00-0189	EA		Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3).....	18,012.33	276.04
11 44 19 00-0190	EA		2,400 BTU, 1/3 HP, Air Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c).....	7,269.54	245.37
11 44 19 00-0191	EA		24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743).....	1,425.73	84.38

11 Equipment
11 40 Foodservice Equipment
11 44 Food Cooking Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44	19 00-0192	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,063.32	84.38
11 44	19 00-0193	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,396.05	84.38
11 44	19 00-0194	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	954.00	42.19
11 44	19 00-0195	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	395.78	63.28
11 44	19 00-0196	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,643.19	42.19
11 44	19 00-0197	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	31,387.66	184.03
11 44	19 00-0198	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	10,938.75	84.38
11 44	19 00-0199	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy Duty Range (Montague 136-8)	15,976.44	168.69
11 44	19 00-0200	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy Duty Range (Montague C36-8T)	16,049.67	168.69
11 44	19 00-0201	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	37,254.91	122.69
11 44	19 00-0202	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,151.29	190.64
11 44	19 00-0203	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	13,656.02	208.57
11 44	19 00-0204	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	13,656.02	208.57
11 44	19 00-0205	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	13,656.02	208.57
11 44	19 00-0206	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	31,014.77	245.37
11 44	19 00-0207	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,349.82	318.51
11 44	19 00-0208	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,013.88	63.28
11 44	19 00-0209	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	13,717.31	304.43
11 44	19 00-0210	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	29,773.04	229.70
11 44	19 00-0211	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	17,505.90	42.19
11 44	19 00-0212	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,398.36	257.64
11 44	19 00-0213	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D)	1,597.94	257.64
11 44	19 00-0214	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM)	3,811.70	257.64
11 44	19 00-0215	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM)	5,319.50	257.64
11 44	19 00-0216	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM)	6,438.00	257.64
11 44	19 00-0217	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	48,032.52	122.69
11 44 19 00-0218 Other Kettles (11 44 19)					
11 44	19 00-0219	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	5,243.69	152.51
11 44	19 00-0220	EA	40 QT Trunion Kettle With Stand (Groen TDA/140)	8,212.94	152.51
11 44 19 00-0221 Charbroilers (11 44 19)					
11 44	19 00-0222	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24)	1,030.02	84.38
11 44	19 00-0223	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	827.40	112.47
11 44	19 00-0224	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	571.35	84.38
11 44	19 00-0225	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	1,070.43	96.44
11 44	19 00-0226	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,803.08	96.44
11 44	19 00-0227	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	1,086.29	112.47
11 44	19 00-0228	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,411.91	112.47
11 44	19 00-0229	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	3,426.91	134.99
11 44	19 00-0230	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	3,443.19	134.99
11 44	19 00-0231	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	2,128.28	112.47
11 44	19 00-0232	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,924.77	134.99
11 44	19 00-0233	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,908.49	134.99
11 44	19 00-0234	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	4,615.43	134.99
11 44	19 00-0235	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,898.85	168.75
11 44	19 00-0236	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,917.70	168.75
11 44	19 00-0237	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG(CPG))	2,371.00	168.75
11 44	19 00-0238	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,894.57	168.75

11 46 Food Dispensing Equipment (11 40)



Equipment	11	
Foodservice Equipment	11 40	↕
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 13 Bar Equipment ^(11 46)		
11 46 13 00-0001 Soft Serve Machines ^(11 46 13)		
11 46 13 00-0002 EA Soft Serve Machines, Medium	12,829.53	145.01
11 46 13 00-0003 EA Soft Serve Machines, Large	21,619.13	177.16
11 46 13 00-0004 Salad Bars ^(11 46 13)		
11 46 13 00-0005 EA 96" Refrigerated Salad Bar With Light 54" Height	16,439.11	590.99
11 46 13 00-0006 EA 96" Refrigerated Salad Bar Without Light 54" Height	15,077.96	590.99
11 46 13 00-0007 EA 96" Iced Salad Bar Without Light 54" Height	10,603.64	324.70
11 46 13 00-0008 EA 79" Iced Salad Bar Without Light 54" Height	8,385.91	266.75
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height	12,739.67	391.35
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height	14,033.94	346.67
11 46 13 00-0011 EA Salad Bar Tray Fixed	1,631.57	58.71
11 46 13 00-0012 EA Salad Bar Tray Hinged	1,734.67	58.71
11 46 16 Service Line Equipment ^(11 46)		
11 46 16 00-0001 Food Warmer Holding Station ^(11 46 16)		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp	777.34	18.28
11 46 16 00-0003 Reach-In Food Warmers ^(11 46 16)		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer	1,672.79	39.36
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer	3,828.09	90.16
11 46 16 00-0006 Countertop Food Warmer ^(11 46 16)		
11 46 16 00-0007 EA 12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	196.30	31.64
11 46 16 00-0008 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	171.95	31.64
11 46 16 00-0009 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	528.97	31.64
11 46 16 00-0010 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	365.02	31.64
11 46 16 00-0011 Hot Cabinets With Top Wells Electric ^(11 46 16)		
11 46 16 00-0012 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,990.61	217.94
11 46 16 00-0013 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	12,845.42	312.35
11 46 16 00-0014 Portable Hot Food Units ^(11 46 16)		
11 46 16 00-0015 EA 46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,460.43	
11 46 16 00-0016 EA 60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,253.69	
11 46 16 00-0017 EA 74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,068.92	
11 46 16 00-0018 Stationary Hot Food Units ^(11 46 16)		
11 46 16 00-0019 EA 46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,667.99	44.39
11 46 16 00-0020 EA 61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,236.65	51.09
11 46 16 00-0021 EA 76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,783.54	65.43
11 46 16 00-0022 Serving Counters ^(11 46 16)		
11 46 16 00-0023 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	128.88	50.05
11 46 16 00-0024 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	168.14	76.68
11 46 16 00-0025 Drop-In Equipment ^(11 46 16)		
11 46 16 00-0026 EA Hot Food Well, Rectangular	612.57	159.49
11 46 16 00-0027 EA Hot Food Well, Circular	566.70	159.49
11 46 16 00-0028 EA Refrigerated Well, 2 Compartment	2,240.14	159.49
11 46 16 00-0029 EA Refrigerated Well, 3 Compartment	2,544.54	177.16
11 46 16 00-0030 EA Refrigerated Well, 4 Compartment	2,890.73	199.36
11 46 16 00-0031 EA Frost Cold Plate	2,212.30	177.16
11 46 16 00-0032 Beverage Dispensing ^(11 46 16)		
11 46 16 00-0033 EA Coffee Urn, Twin 3 Gallon	3,631.89	273.50
11 46 16 00-0034 EA Coffee Urn, Twin 6 Gallon	5,169.53	382.83
11 46 16 00-0035 EA Coffee Brewer, 5 Burner	1,579.05	273.50
11 46 16 00-0036 EA Hot Chocolate Dispenser	1,516.94	225.26
11 46 16 00-0037 EA Iced Tea Brewer	2,170.64	225.26
11 46 16 00-0038 EA Juice Dispenser (Concentrate)	1,625.69	354.07
11 46 16 00-0039 EA Jet Spray Dispenser	2,257.08	354.44

11 Equipment**11 40 Foodservice Equipment****11 46 Food Dispensing Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0040 EA Milk Dispenser, Bulk, 2 Flavor	1,862.09	199.36
11 46 16 00-0041 EA Milk Dispenser, Bulk, 3 Flavor	2,515.79	199.36
11 46 16 00-0042 Dish Dispensers (11 46 16)		
11 46 16 00-0043 EA Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	1,952.27	31.64
11 46 16 00-0044 EA 12" Diameter, Drop-in, Dish Dispenser	716.25	30.12
11 46 16 00-0045 EA Drop-in, Cup And Glass Dispenser	1,214.87	93.64
11 46 16 00-0046 EA Drop-in, Disposable Cup Dispenser	443.57	21.09
11 46 16 00-0047 Tray And Silver Dispensers (11 46 16)		
11 46 16 00-0048 EA Tray And Silver Dispensers Mobile	2,808.36	21.09
11 46 16 00-0049 Condiment Dispensers (11 46 16)		
11 46 16 00-0050 EA Butter Pat Dispenser	160.53	26.41
11 46 16 00-0051 EA Bread Dispenser, Counter Top	461.01	26.41
11 46 16 00-0052 Sandwich Rack Warmer (11 46 16)		
11 46 16 00-0053 EA 18 Compartment, 2 Tier Sandwich Rack Warmer	3,561.21	145.91
11 46 16 00-0054 Mobile Bread Counter (11 46 16)		
11 46 16 00-0055 EA Mobile Bread And Roll Counter	8,172.48	328.01
11 46 16 00-0056 Open Service Stand (11 46 16)		
11 46 16 00-0057 EA 6' Open Service Stand	3,179.78	136.50
11 46 16 00-0058 LF Each Additional Foot Over 6 Foot Add	434.94	18.45
11 46 16 00-0059 Mobile Serving Stand Unit (11 46 16)		
11 46 16 00-0060 EA 36" Mobile Serving Stand Unit	2,781.99	130.55
11 46 16 00-0061 EA 96" Mobile Serving Stand Unit	4,564.65	195.68
11 46 16 00-0062 Reach-In Heated Cabinets (11 46 16)		
11 46 16 00-0063 EA Heated Cabinet, Reach-in, 1 Compartment	5,569.73	204.52
11 46 16 00-0064 EA Heated Cabinet, Reach-in, 2 Compartment	8,014.81	257.27
11 46 16 00-0065 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In	5,827.77	204.52
11 46 16 00-0066 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment	8,389.83	257.27
11 46 16 00-0067 Mobile Heated Cabinets (11 46 16)		
11 46 16 00-0068 EA Mobile, Heated Cabinet	6,183.70	52.73
11 46 16 00-0069 Smoothie Machine (11 46 16)		
11 46 16 00-0070 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	401.21	31.64
11 46 16 00-0071 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	352.40	31.64
11 46 16 00-0072 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	426.24	31.64
11 46 16 00-0073 EA Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	438.76	31.64
11 46 16 00-0074 EA Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	234.44	31.64
11 46 16 00-0075 Refrigerated Buffet Display Table (11 46 16)		
11 46 16 00-0076 EA 35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,398.80	31.64
11 46 16 00-0077 EA 47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,500.47	31.64
11 46 16 00-0078 EA 59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,198.36	31.64
11 46 16 00-0079 EA 71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,086.76	31.64
11 46 16 00-0080 Refrigerated Bakery Display Case (11 46 16)		
11 46 16 00-0081 EA 26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	1,954.08	21.09
11 46 16 00-0082 EA 26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,240.99	21.09
11 46 16 00-0083 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,246.98	24.13



Equipment	11
Foodservice Equipment	11 40
Food Dispensing Equipment	11 46

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0084 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB).....	2,438.26	24.13
11 46 16 00-0085 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW).....	2,438.26	24.13
11 46 16 00-0086 EA 26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB).....	3,125.12	24.13
11 46 16 00-0087 EA 26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW).....	3,125.12	24.13
11 46 16 00-0088 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW).....	3,934.40	28.09
11 46 16 00-0089 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN).....	5,001.17	28.09
11 46 16 00-0090 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN).....	3,934.40	28.09
11 46 16 00-0091 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW).....	5,001.17	28.09
11 46 16 00-0092 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW).....	4,167.58	28.09
11 46 16 00-0093 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F).....	4,167.58	28.09
11 46 16 00-0094 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN).....	4,167.58	28.09
11 46 16 00-0095 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN).....	4,429.37	28.09
11 46 16 00-0096 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW).....	5,632.31	28.09
11 46 16 00-0097 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW).....	4,429.37	28.09
11 46 16 00-0098 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD).....	5,304.24	28.09
11 46 16 00-0099 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN).....	5,632.31	28.09
11 46 16 00-0100 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW).....	5,966.41	28.09
11 46 16 00-0101 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW).....	4,691.78	28.09
11 46 16 00-0102 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD).....	5,618.76	28.09
11 46 16 00-0103 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN).....	5,966.41	28.09
11 46 16 00-0104 EA 27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN).....	4,691.78	28.09
11 46 16 00-0105 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW).....	6,173.37	28.09
11 46 16 00-0106 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	5,813.67	28.09
11 46 16 00-0107 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN).....	6,173.37	28.09
11 46 16 00-0108 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	6,173.37	28.09
11 46 16 00-0109 EA 27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD).....	6,158.91	28.09
11 46 16 00-0110 EA 27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB).....	1,973.23	30.71
11 46 16 00-0111 EA 27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW).....	6,545.37	30.71
11 46 16 00-0112 EA 27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW).....	5,146.92	30.71
11 46 16 00-0113 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	5,298.51	28.09
11 46 16 00-0114 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN).....	2,379.21	30.71
11 46 16 00-0115 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	6,761.07	30.71
11 46 16 00-0116 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN).....	6,761.07	30.71
11 46 16 00-0117 EA 34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN).....	6,761.07	30.71
11 46 16 00-0118 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN).....	5,448.97	30.71
11 46 16 00-0119 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN).....	8,140.24	30.71
11 46 16 00-0120 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN).....	8,140.24	30.71
11 46 16 00-0121 EA 34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN).....	8,140.24	30.71

11 Equipment
11 40 Foodservice Equipment
11 46 Food Dispensing Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN).....	6,263.87	30.71
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN).....	8,268.28	30.71
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN).....	15,458.70	30.71
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN).....	15,458.70	30.71
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN).....	8,645.59	33.74
11 46 16 00-0127 Dry Bakery Display Case (11 46 16)				
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B).....	1,691.00	21.09
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W).....	1,691.00	21.09
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B).....	1,874.30	21.09
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W).....	1,874.30	21.09
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B).....	2,155.25	24.13
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W).....	2,567.68	24.13
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B).....	2,512.69	24.13
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W).....	2,512.69	24.13
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	5,268.93	28.09
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	10,481.59	28.09
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN).....	6,430.72	33.74
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	5,109.52	30.71
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	5,109.52	30.71
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	5,109.52	30.71
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	5,109.52	30.71
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	5,314.36	30.71
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	5,314.36	30.71
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	5,745.79	33.74
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR6HCWD).....	5,745.79	33.74
11 46 16 00-0147 Dual Dry/Refrigerated Bakery Display Case (11 46 16)				
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	16,782.43	30.71
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	16,782.43	30.71
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	16,782.43	30.71
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	16,788.59	33.74
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	17,232.84	33.74
11 46 16 00-0153 Refrigerated Deli Case (11 46 16)				
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	8,543.27	112.47
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN).....	8,543.27	112.47
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN).....	9,788.32	112.47



Equipment	11	
Foodservice Equipment	11 40	↕
Food Dispensing Equipment	11 46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0157	EA		30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN).....	9,788.32	112.47
11 46 16 00-0158	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	2,003.68	67.50
11 46 16 00-0159	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	2,180.41	67.50
11 46 16 00-0160	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	2,003.68	67.50
11 46 16 00-0161	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,269.98	84.38
11 46 16 00-0162	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	2,465.31	84.38
11 46 16 00-0163	EA		32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	2,661.11	112.47
11 46 16 00-0164	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	2,661.11	112.47
11 46 16 00-0165	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	3,005.27	112.47
11 46 16 00-0166	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,326.25	112.47
11 46 16 00-0167	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB).....	2,902.95	112.47
11 46 16 00-0168	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	2,902.95	112.47
11 46 16 00-0169	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	3,191.30	112.47
11 46 19 Soda Fountain Equipment (11 46)					
11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)					
11 46 19 00-0002	EA		Carbonated Beverage Dispenser.....	3,999.25	498.47
11 46 19 00-0003	EA		Carbonated Beverage Dispenser With 90 LB Ice.....	6,283.94	569.62
11 46 19 00-0004	EA		Carbonated Beverage Dispenser With 150 LB Ice.....	11,485.25	797.45
11 46 19 00-0005 Beverage Chilling Systems (11 46 19)					
11 46 19 00-0006	EA		Beverage Chiller, Small.....	9,744.26	469.89
11 46 19 00-0007	EA		Beverage Chiller, Large.....	18,217.19	704.91
11 46 83 Ice Machines (11 46)					
11 46 83 00-0001 Undercounter Ice Machines With Bin (11 46 83)					
11 46 83 00-0002	EA		53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine With 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1).....	2,416.26	21.09
11 46 83 00-0003	EA		85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090).....	3,950.84	214.69
11 46 83 00-0004	EA		137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A).....	3,025.49	214.69
11 46 83 00-0005	EA		100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA).....	2,954.72	214.69
11 46 83 00-0006	EA		227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA).....	3,182.41	230.04
11 46 83 00-0007	EA		282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA).....	3,551.50	230.04
11 46 83 00-0008 Ice Cube Maker (11 46 83)					
11 46 83 00-0009	EA		320 LB/Day, Modular Ice Maker Without Bin.....	4,138.86	230.04
11 46 83 00-0010	EA		451 LB/Day, Modular Ice Maker Without Bin.....	4,496.77	245.37
11 46 83 00-0011	EA		600 LB/Day, Modular Ice Maker Without Bin.....	5,141.80	245.37
11 46 83 00-0012	EA		901 LB/Day, Modular Ice Maker Without Bin.....	7,334.99	260.70
11 46 83 00-0013	EA		1301 LB/Day, Modular Ice Maker Without Bin.....	8,316.96	260.70
11 46 83 00-0014	EA		1601 LB/Day, Modular Ice Maker Without Bin.....	10,019.39	276.04
11 46 83 00-0015	EA		1900 LB/Day, Modular Ice Maker Without Bin.....	11,062.95	276.04
11 46 83 00-0016 Ice Flakers (11 46 83)					
11 46 83 00-0017	EA		300 LB/Day, Ice Flakers.....	7,459.04	765.89
11 46 83 00-0018	EA		600 LB/Day, Ice Flakers.....	13,495.13	1,225.42
11 46 83 00-0019	EA		1,000 LB/Day, Ice Flakers.....	16,701.73	1,684.96
11 46 83 00-0020	EA		2,000 LB/Day, Ice Flakers.....	20,381.13	1,838.14
11 46 83 00-0021 Ice Storage Bins (11 46 83)					

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0022 EA 260 LB Capacity, Stainless Steel Ice Storage Bin	1,602.00	126.56
11 46 83 00-0023 EA 360 LB Capacity, Stainless Steel Ice Storage Bin	1,759.66	126.56
11 46 83 00-0024 EA 550 LB Capacity, Stainless Steel Ice Storage Bin	2,201.19	137.10
11 46 83 00-0025 EA 660 LB Capacity, Stainless Steel Ice Storage Bin	2,376.38	137.10
11 46 83 00-0026 EA 1150 LB Capacity, Stainless Steel Ice Storage Bin	4,587.24	147.65

11 48 Foodservice Cleaning and Disposal Equipment (11 40)

11 48 13 Commercial Dishwashers (11 48)

11 48 13 00-0001	Sprays And Hoses (11 48 13)		
11 48 13 00-0002	Sprays, Fillers (11 48 13 00-0001)		
11 48 13 00-0003 EA	Pre-Rinse Spray (11 48 13 00-0001)	510.40	111.79
11 48 13 00-0004 EA	Kettle Fillers	453.06	111.79
11 48 13 00-0005	Hoses (11 48 13 00-0001)		
11 48 13 00-0006 EA	Hose Reel	612.48	134.21
11 48 13 00-0007 EA	Wash-Down Hose	497.80	134.21
11 48 13 00-0008 EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,593.66	
11 48 13 00-0009	Rack Type Dishwasher (11 48 13)		
11 48 13 00-0010 EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	23,786.28	1,301.61
11 48 13 00-0011 EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	38,071.41	1,607.88
11 48 13 00-0012 EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	45,401.76	1,837.58
11 48 13 00-0013	Exhaust Hood Dishwasher (11 48 13)		
11 48 13 00-0014 EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,646.49	274.30
11 48 13 00-0015 EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,498.00	329.16
11 48 13 00-0016	Undercounter Type Dishwasher (11 48 13)		
11 48 13 00-0017 EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,632.88	267.98
11 48 13 00-0018	Dish Tables (11 48 13)		
11 48 13 00-0019 LF	Clean/Soiled Dish Table, Basic	325.85	58.79
11 48 13 00-0020 LF	Clean/Soiled Dish Table With Trough	510.53	88.11
11 48 13 00-0021 LF	Clean/Soiled Dish Table, Maximum	622.72	117.44

11 48 16 Foodservice Disposal Equipment (11 48)

11 48 16 00-0001	Garbage Disposals (11 48 16)		
	Note: Manual switch.		
11 48 16 00-0002 EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,687.74	206.73
11 48 16 00-0003 EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,104.05	214.38
11 48 16 00-0004 EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,254.35	222.04
11 48 16 00-0005 EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,916.63	229.70
11 48 16 00-0006 EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,173.20	252.67
11 48 16 00-0007 EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,421.95	275.64
11 48 16 00-0008 EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	5,262.27	306.27
11 48 16 00-0009 EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	7,283.50	329.24
11 48 16 00-0010 EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	9,555.80	344.54
11 48 16 00-0011	Pulper/Extractors (11 48 16)		
11 48 16 00-0012 EA	5 HP, Pulper/Extractor, Close-Coupled	6,391.45	318.97

11 50 Educational and Scientific Equipment (11)

11 52 Audio-Visual Equipment (11 50)

11 52 13 Projection Screens (11 52)

11 52 13 13 Fixed Projection Screens (11 52 13)

11 52 13 13-0001	Screens (11 52 13 13)		
11 52 13 13-0002	Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)		
11 52 13 13-0003 EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	389.53	88.93
	For High Contrast Matte, Add	40.00	
	For Video Spectra Fabric, Add	40.00	
	For High Power Fabric, Add	120.00	



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0004 EA 50" x 50" Pull Down Projection Screen (Da-Lite B).....	464.68	114.33
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0005 EA 60" x 60" Pull Down Projection Screen (Da-Lite B).....	590.61	158.79
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0006 EA 70" x 70" Pull Down Projection Screen (Da-Lite B).....	684.82	190.56
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0007 EA 84" x 84" Pull Down Projection Screen (Da-Lite B).....	1,059.44	285.83
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0008 EA 96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,245.67	317.58
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0009 EA 64" x 84" Pull Down Projection Screen (Da-Lite B).....	894.29	203.26
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0010 EA 72" x 96" Pull Down Projection Screen (Da-Lite B).....	1,026.60	254.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0011 EA 43" x 57" Pull Down Projection Screen (Da-Lite B).....	550.35	107.98
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0012 EA 50" x 67" Pull Down Projection Screen (Da-Lite B).....	761.99	152.44
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0013 EA 55" x 77" Pull Down Projection Screen (Da-Lite B).....	830.78	171.50
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0014 EA 60" x 80" Pull Down Projection Screen (Da-Lite B).....	886.86	184.21
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0015 EA 69" x 92" Pull Down Projection Screen (Da-Lite B).....	1,024.44	222.32
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0016 EA 45" x 80" Pull Down Projection Screen (Da-Lite B).....	836.04	158.79
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0017 EA 52" x 92" Pull Down Projection Screen (Da-Lite B).....	948.21	184.21
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small>		
11 52 13 13-0019 EA 50" x 50" Pull Down Projection Screen (Da-Lite C).....	894.17	114.33
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0020 EA 60" x 60" Pull Down Projection Screen (Da-Lite C).....	1,050.78	158.79
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0021 EA 70" x 70" Pull Down Projection Screen (Da-Lite C).....	1,226.48	215.96
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0022 EA 84" x 84" Pull Down Projection Screen (Da-Lite C).....	1,427.58	285.83
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0023 EA 6' x 8' Pull Down Projection Screen (Da-Lite C).....	1,562.99	292.18
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0024 EA 8' x 8' Pull Down Projection Screen (Da-Lite C).....	1,675.16	317.58
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	

11 Equipment
11 50 Educational and Scientific Equipment
11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0025 EA 7' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,705.84 40.00 40.00 120.00	317.58
11 52 13 13-0026 EA 9' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,835.99 40.00 40.00 120.00	336.64
11 52 13 13-0027 EA 8' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,966.13 40.00 40.00 120.00	355.70
11 52 13 13-0028 EA 10' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,108.97 40.00 40.00 120.00	381.11
11 52 13 13-0029 EA 9' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,354.40 40.00 40.00 120.00	381.11
11 52 13 13-0030 EA 12' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,731.19 40.00 40.00 120.00	508.14
11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001) Note: With controlled screen return.		
11 52 13 13-0032 EA 60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,664.34 40.00 40.00 120.00	158.79
11 52 13 13-0033 EA 70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,870.72 40.00 40.00 120.00	215.96
11 52 13 13-0034 EA 84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,071.81 40.00 40.00 120.00	285.83
11 52 13 13-0035 EA 6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,176.55 40.00 40.00 120.00	292.18
11 52 13 13-0036 EA 8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,319.40 40.00 40.00 120.00	317.58
11 52 13 13-0037 EA 7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,350.08 40.00 40.00 120.00	317.58
11 52 13 13-0038 EA 9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,480.22 40.00 40.00 120.00	336.64
11 52 13 13-0039 EA 8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,536.31 40.00 40.00 120.00	349.35
11 52 13 13-0040 EA 10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,845.25 40.00 40.00 120.00	381.11
11 52 13 13-0041 EA 9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,121.35 40.00 40.00 120.00	381.11
11 52 13 13-0042 EA 12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,559.50 40.00 40.00 120.00	508.14
11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001) Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044 EA 50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,515.08	142.92
11 52 13 13-0045 EA 60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,573.43	158.79
11 52 13 13-0046 EA 70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,687.50	190.56
11 52 13 13-0047 EA 84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,106.83	285.83
11 52 13 13-0048 EA 6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,183.38	292.18
11 52 13 13-0049 EA 8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,380.51	317.58



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0050 EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,447.01	317.58
11 52 13 13-0051 EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,619.16	339.82
11 52 13 13-0052 EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,829.15	355.70
11 52 13 13-0053 EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,967.75	381.11
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,087.46	381.11
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,549.04	508.14
11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) ^(11 52 13 13-0001)		
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	5,974.40	381.11
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	6,473.91	508.14
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	8,012.12	571.66
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	8,445.94	635.18
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	9,006.79	762.22
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	10,054.16	825.73
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,009.52	889.25
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,623.08	889.25
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,521.38	1,016.29
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,588.06	825.73
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,275.95	1,016.29
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,836.80	1,143.32
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,328.67	889.25
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	15,904.60	1,143.32
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) ^(11 52 13 13-0001)		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,498.02	142.92
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,621.81	158.79
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,746.69	190.56
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,151.99	285.83
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,226.04	292.18
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,460.93	317.58
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,645.00	317.58
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,781.49	339.82
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,966.64	355.70
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,140.17	381.11
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,201.52	381.11
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,762.38	508.14
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	8,316.74	539.90
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0085 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	8,687.04	571.66
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0086 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	9,489.00	635.18
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0087 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	9,896.46	762.22
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) ^(11 52 13 13-0001)		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,565.41	142.92
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,671.88	174.68
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,731.25	190.56
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,010.77	285.83
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,051.08	292.18
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,218.47	317.58
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,381.07	317.58
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,643.34	339.82
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,718.05	355.70
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,900.78	381.11
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,905.10	444.63
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,461.63	508.14
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,052.91	539.90
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,407.87	571.66
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,102.45	635.18
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,485.37	762.22
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	10,333.34	825.73
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	10,972.70	889.25
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	11,420.60	889.25
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	12,631.82	1,016.29
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,731.25	190.56
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,947.25	254.07
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,038.38	285.83
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,748.73	355.70
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,159.73	444.63
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,637.85	571.66
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,125.08	698.70
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	14,259.57	952.77
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,962.59	254.07
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,084.39	285.83
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,211.48	304.89
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,289.89	330.29
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,601.47	355.70
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,043.15	444.63
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,555.02	571.66
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,735.57	698.70
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	10,600.24	825.73
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small>		
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,922.56	142.92
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,018.15	158.79



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,129.57	190.56
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,485.05	285.83
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,550.95	292.18
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,716.16	317.58
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,894.40	317.58
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,053.24	339.82
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,170.13	355.70
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,356.61	381.11
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,540.16	381.11
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,948.54	508.14
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) ^(11 52 13 13-0001) Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,069.08	317.58
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,055.09	381.11
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,522.30	571.66
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,075.62	762.22
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	24,477.16	889.25
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,928.06	317.58
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,312.89	381.11
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,268.23	444.63
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	21,694.51	571.66
11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) ^(11 52 13 13-0001) Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,707.22	317.58
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,902.49	349.35
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,758.23	381.11
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,140.97	412.86
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,449.41	13,004.79
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,934.55	508.14
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,135.88	571.66
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	25,827.07	635.18
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	28,896.65	698.70
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	38,643.57	762.22
11 52 13 13-0160 Screen Accessories ^(11 52 13 13-0001)		
11 52 13 13-0161 Manual Pull Down Accessories ^(11 52 13 13-0160)		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair)	74.28	9.53
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair)	104.96	10.16
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	123.37	11.43
11 52 13 13-0165 Electric Powered Screen Accessories ^(11 52 13 13-0160)		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared	764.95	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency	1,102.41	

11	11 Equipment
	11 50 Educational and Scientific Equipment
	11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0168 Relocate Existing Fixed Projection Screen <small>(11 52 13 13)</small>		
11 52 13 13-0169 EA Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,868.17	
11 52 13 16 Portable Projection Screens <small>(11 52 13)</small>		
11 52 13 16-0001 Motion Picture Screen And Case <small>(11 52 13 16)</small>		
11 52 13 16-0002 SF Screen, Riser Projection With Anodized Aluminum Frame	49.37	4.58
11 52 16 Projectors <small>(11 52)</small>		
11 52 16 26 Video Projectors <small>(11 52 16)</small>		
11 52 16 26-0001 Projectors <small>(11 52 16 26)</small>		
11 52 16 26-0002 EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,359.66	63.51
11 52 16 26-0003 EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,575.36	63.51
11 52 16 26-0004 EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,083.82	63.51
11 52 16 26-0005 EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,285.62	63.51
11 52 16 26-0006 EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,824.89	63.51
11 52 16 26-0007 EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	4,857.20	63.51
11 52 16 26-0008 EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	7,723.04	63.51
11 52 16 26-0009 EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,465.61	63.51
11 52 16 26-0010 EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	15,534.74	63.51
11 52 16 26-0011 Projector Mounts <small>(11 52 16 26)</small>		
11 52 16 26-0012 Universal Projector Mounts <small>(11 52 16 26-0011)</small>		
Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013 EA Flush Ceiling, Universal Projector Mount (Peerless PPF)	299.47	69.85
11 52 16 26-0014 EA Wall Arm, Universal Projector Mount (Peerless PWA-14)	490.74	69.85
11 52 16 26-0015 Projector Mount Components <small>(11 52 16 26-0011)</small>		
Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017 EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	108.98	31.75
11 52 16 26-0018 EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	148.23	31.75
11 52 16 26-0019 EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	206.34	31.75
11 52 16 26-0020 EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	255.96	31.75
11 52 16 26-0021 Projector Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022 EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	378.22	31.75
11 52 16 26-0023 EA High Security Projector Enclosure For Projector Mounts (Peerless ALB)	835.86	31.75
11 52 16 26-0024 Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts <small>(11 52 16 26-0024)</small>		
Note: Peerless EXT series.		
11 52 16 26-0026 EA 6" Fixed Length, Threaded Extension Column For Projector Mounts	65.05	9.52
11 52 16 26-0027 EA 12" Fixed Length, Threaded Extension Column For Projector Mounts	84.42	9.52
11 52 16 26-0028 EA 18" Fixed Length, Threaded Extension Column For Projector Mounts	91.69	9.52
11 52 16 26-0029 EA 24" Fixed Length, Threaded Extension Column For Projector Mounts	96.53	9.52
11 52 16 26-0030 EA 36" Fixed Length, Threaded Extension Column For Projector Mounts	114.97	12.70
11 52 16 26-0031 EA 48" Fixed Length, Threaded Extension Column For Projector Mounts	139.19	12.70
11 52 16 26-0032 EA 60" Fixed Length, Threaded Extension Column For Projector Mounts	177.93	12.70
11 52 16 26-0033 EA 72" Fixed Length, Threaded Extension Column For Projector Mounts	204.56	12.70
11 52 16 26-0034 EA 84" Fixed Length, Threaded Extension Column For Projector Mounts	239.97	15.87
11 52 16 26-0035 EA 96" Fixed Length, Threaded Extension Column For Projector Mounts	273.87	15.87
11 52 16 26-0036 EA 108" Fixed Length, Threaded Extension Column For Projector Mounts	304.43	19.05
11 52 16 26-0037 EA 120" Fixed Length, Threaded Extension Column For Projector Mounts	318.96	19.05
11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0024)</small>		
Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039 EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	133.44	15.87
11 52 16 26-0040 EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	206.08	15.87
11 52 16 26-0041 EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	210.92	15.87
11 52 16 26-0042 EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	218.18	15.87
11 52 16 26-0043 EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	236.64	19.05
11 52 16 26-0044 EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	248.75	19.05
11 52 16 26-0045 EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	275.38	19.05
11 52 16 26-0046 EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	299.59	19.05
11 52 16 26-0047 EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	332.56	22.23
11 52 16 26-0048 EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	356.78	22.23
11 52 16 26-0049 EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	389.77	25.39



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0050 EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	406.72	25.39
11 52 33 Interactive Displays (11 52)		
11 52 33 00-0001 Television Monitors And Panels (11 52 33)		
Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.		
11 52 33 00-0002 EA 27" HD Television, LCD, 1080 DPI, 60 Hertz.....	688.92	16.87
11 52 33 00-0003 EA 32" HD Television, LCD, 720 DPI, 60 Hertz.....	756.00	18.98
11 52 33 00-0004 EA 32" HD Television, LCD, 1080 DPI, 120 Hertz.....	1,028.14	21.09
11 52 33 00-0005 EA 32" HD Television, LED, 1920x1080 With WI-FI.....	1,037.66	21.09
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006 EA 40" HD Television, LED, 1920x1080 With WI-FI.....	1,175.31	23.20
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007 EA 46" HD Television, LED, 1920x1080 With WI-FI.....	1,380.74	25.31
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008 EA 50" HD Television, LED, 1920x1080 With WI-FI.....	1,721.71	27.42
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0009 EA 55" HD Television, LED, 1920x1080 With WI-FI.....	2,060.57	27.42
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0010 EA 60" HD Television, LED, 1920x1080 With WI-FI.....	2,401.54	29.53
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0011 EA 65" HD Television, LED, 1920x1080 With WI-FI.....	2,911.94	31.64
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0012 EA 75" HD Television, LED, 1920x1080 With WI-FI.....	4,608.36	33.75
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0013 EA 46" 3D Television, LED, 1080 DPI, 240 Hertz.....	2,118.25	25.31
11 52 33 00-0014 EA 55" 3D Television, LED, 1080 DPI, 240 Hertz.....	2,957.55	27.42
11 52 33 00-0015 EA 60" 3D Television, LED, 1080 DPI, 240 Hertz.....	4,006.14	29.53
11 52 33 00-0016 EA 65" 3D Television, LED, 1080 DPI, 240 Hertz.....	4,217.55	31.64
11 52 33 00-0017 EA 75" 3D Television, LED, 1080 DPI, 240 Hertz.....	6,310.51	31.64
11 52 33 00-0018 EA 86" Interactive LED Panel (SMARTBOARD SPNL-7086).....	19,237.15	33.75
11 52 33 00-0019 Flat Panel Display Mounting (11 52 33)		
Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020 EA Swivel Wall Mounts For 10" To 30" Flat Panel Displays.....	486.93	154.02
Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt		
11 52 33 00-0021 EA Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays.....	738.38	192.52
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0022 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays.....	775.04	231.03
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0023 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate.....	819.86	231.03
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0024 EA Swivel Wall Mounts For 32" To 50" Flat Panel Displays.....	819.86	231.03
Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt		
11 52 33 00-0025 EA Full Motion Wall Mounts For 13" To 26" Flat Panel Displays.....	464.57	154.02
Note: 8" Extension		
11 52 33 00-0026 EA Full Motion Wall Mounts For 26" To 40" Flat Panel Displays.....	631.03	192.52
Note: 9.7" Extension		
11 52 33 00-0027 EA Full Motion Wall Mounts For 32" To 56" Flat Panel Displays.....	1,043.50	231.03
Note: 10.2" Extension		
11 52 33 00-0028 EA Full Motion Wall Mounts For 42" To 84" Flat Panel Displays.....	1,471.91	269.54
Note: 20" Extension		
11 52 33 00-0029 EA Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays.....	586.30	192.52
11 52 33 00-0030 EA Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays.....	675.76	192.52
11 52 33 00-0031 EA Low Profile Tilting Wall Mounts For 75" Flat Panel Displays.....	796.91	231.03
11 52 33 00-0032 EA Low Profile Wall Mounts For 26" To 40" Flat Panel Displays.....	496.85	192.52
11 52 33 00-0033 EA Low Profile Wall Mounts For 40" To 70" Flat Panel Displays.....	563.94	192.52
11 52 33 00-0034 EA Low Profile Wall Mounts For 75" Flat Panel Displays.....	671.34	231.03
11 52 33 00-0035 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling.....	825.27	308.04
Note: 360 degree rotation, 15 degree tilt.		
11 52 33 00-0036 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling.....	950.85	308.04
Note: 360 degree rotation, 15 degree tilt.		
For 28" To 41" Extension Pole, Add		43.75
For 38" To 51" Extension Pole, Add		55.71
For 48" To 61" Extension Pole, Add		63.69
11 52 33 00-0037 EA VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling.....	994.71	308.04
Note: 360 degree rotation, 15 degree tilt.		
11 52 33 00-0038 Audio/Video Components (11 52 33)		
11 52 33 00-0039 EA MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03).....	1,644.88	115.51
11 52 33 00-0040 EA MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02).....	2,215.61	115.51
11 52 33 00-0041 EA MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01).....	505.06	38.51
11 52 33 00-0042 EA MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01).....	582.88	38.51
11 52 33 00-0043 EA MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01).....	2,370.45	154.02

11	11	Equipment
	11 50	Educational and Scientific Equipment
	11 52	Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0044	EA		MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02).....	2,629.87	154.02
11 52 33 00-0045	EA		MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03).....	2,629.87	154.02
11 52 33 00-0046	EA		Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	170.46	19.25
11 52 33 00-0047	EA		DVD/VCR Combo (Toshiba #SD V296).....	167.49	
11 52 33 00-0048	EA		DVD/VCR Combo (Toshiba #SD V392).....	169.72	
11 52 33 00-0049	EA		DVDr/VCR Combo (Toshiba #DVR620)	308.38	
11 52 33 00-0050	EA		DVDr/VCR Combo (Toshiba #DVR670)	422.43	

11 52 33 00-0051 Audio/Video Cabling ^(11 52 33)

11 52 33 00-0052	EA		HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03).....	42.76	
11 52 33 00-0053	EA		HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	62.22	
11 52 33 00-0054	EA		HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	92.95	
11 52 33 00-0055	EA		HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	192.54	
11 52 33 00-0056	EA		HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	270.37	
11 52 33 00-0057	EA		HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	371.51	
11 52 33 00-0058	EA		HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	507.71	
11 52 33 00-0059	EA		HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	624.45	
11 52 33 00-0060	EA		HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	745.04	
11 52 33 00-0061	EA		HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	822.86	
11 52 33 00-0062	EA		HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	982.36	
11 52 33 00-0063	EA		HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,180.77	
11 52 33 00-0064	EA		DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03).....	42.76	
11 52 33 00-0065	EA		DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06).....	62.22	
11 52 33 00-0066	EA		DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12).....	92.95	
11 52 33 00-0067	EA		DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25).....	192.54	
11 52 33 00-0068	EA		DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35).....	270.37	
11 52 33 00-0069	EA		DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50).....	371.51	
11 52 33 00-0070	EA		DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75).....	507.71	
11 52 33 00-0071	EA		DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100).....	624.45	
11 52 33 00-0072	EA		DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125).....	745.04	
11 52 33 00-0073	EA		DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150).....	822.86	
11 52 33 00-0074	EA		DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175).....	982.36	
11 52 33 00-0075	EA		DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200).....	1,180.77	
11 52 33 00-0076	EA		AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	19.42	
11 52 33 00-0077	EA		AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	31.05	
11 52 33 00-0078	EA		VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	23.31	
11 52 33 00-0079	EA		VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	25.25	
11 52 33 00-0080	EA		VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	34.57	
11 52 33 00-0081	EA		VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	40.41	
11 52 33 00-0082	EA		VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	64.12	
11 52 33 00-0083	EA		VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	89.42	
11 52 33 00-0084	EA		VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	118.57	
11 52 33 00-0085	EA		VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	157.49	
11 52 33 00-0086	EA		VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	196.40	
11 52 33 00-0087	EA		VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	33.03	
11 52 33 00-0088	EA		VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	34.98	
11 52 33 00-0089	EA		VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	44.30	
11 52 33 00-0090	EA		VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	54.03	
11 52 33 00-0091	EA		VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	75.80	
11 52 33 00-0092	EA		VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	101.09	
11 52 33 00-0093	EA		VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	138.03	
11 52 33 00-0094	EA		VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	176.94	
11 52 33 00-0095	EA		VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	225.58	
11 52 33 00-0096	EA		A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01).....	7.74	
11 52 33 00-0097	EA		A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03).....	9.69	
11 52 33 00-0098	EA		A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06).....	11.63	
11 52 33 00-0099	EA		A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07).....	15.52	

11 53 Laboratory Equipment ^(11 50)

11 53 43 Service Fittings and Accessories ^(11 53)

11 53 43 00-0001		Outlet And Valves ^(11 53 43)			
11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum).....		1,147.84	
11 53 43 00-0003		Test And Certify ^(11 53 43)			
11 53 43 00-0004	EA	Test And Certify Medical Gas Port.....		76.59	

11 60 Entertainment and Recreation Equipment ⁽¹¹⁾

11 66 Athletic Equipment ^(11 60)

11 66 13 Exercise Equipment ^(11 66)

11 66 13 00-0001		Fitness Systems ^(11 66 13)			
------------------	--	---------------------------------------	--	--	--



	Equipment	11
	Entertainment and Recreation Equipment	11 60
	Athletic Equipment	11 66

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 13 00-0002 Components For Physical Fitness Activities (11 68 13 00-0001)				
		11 66 13 00-0003 EA Sit And Reach.....	1,480.50	105.98
		11 66 13 00-0004 EA Isometric Squat.....	551.67	42.40
		11 66 13 00-0005 EA Log Jump.....	3,589.76	169.57
		11 66 13 00-0006 EA Step Up.....	803.84	84.78
		11 66 13 00-0007 EA Hip Rotation.....	3,943.79	148.37
		11 66 13 00-0008 EA Body Curl.....	1,455.73	84.78
		11 66 13 00-0009 EA Horizontal Ladder.....	4,770.21	169.57
		11 66 13 00-0010 EA Chin Up.....	3,607.38	169.57
		11 66 13 00-0011 EA Push Up.....	2,204.52	84.78
		11 66 13 00-0012 EA Leg Raise.....	3,082.14	127.18
		11 66 13 00-0013 EA Log Hop.....	1,397.37	42.40
		11 66 13 00-0014 EA Parallel Bar.....	2,963.22	127.18
		11 66 13 00-0015 EA Leg Stretch.....	1,244.30	84.78
		11 66 13 00-0016 EA Balance Beam.....	1,118.22	63.58
		11 66 13 00-0017 EA Log Roll.....	3,541.87	105.98
11 68 Play Field Equipment and Structures (11 60)				
11 68 13 Playground Equipment (11 68)				
See CSI section 32 31 13 13-0001 for augering holes and fill for posts.				
11 68 13 00-0001 Standalone Playground Equipment (11 68 13)				
11 68 13 00-0002 Ground Socket For Movable Posts (11 68 13 00-0001)				
		11 68 13 00-0003 PR Ground Socket For 2-3/8" Post For Playground Equipment.....	284.67	57.24
		11 68 13 00-0004 PR Ground Socket For 3-1/2" Post For Playground Equipment.....	446.47	57.24
11 68 13 00-0005 See-Saws (11 68 13 00-0001)				
11 68 13 00-0006 Steel See-Saw (11 68 13 00-0005)				
		11 68 13 00-0007 EA 2 Unit Steel See-Saw.....	2,438.11	352.28
		11 68 13 00-0008 EA 4 Unit Steel See-Saw.....	3,996.40	416.31
		11 68 13 00-0009 EA 6 Unit Steel See-Saw.....	5,562.18	508.83
11 68 13 00-0010 14' Long Laminated Beam (11 68 13 00-0005)				
		11 68 13 00-0011 EA Beam Is Supported By Two 12 In x 12 In Stepping Column Posts.....	2,637.93	311.49
		11 68 13 00-0012 EA Beam Is Supported By Two 8 In x 8 In Posts.....	1,814.26	277.49
11 68 13 00-0013 Slides (11 68 13 00-0001)				
		11 68 13 00-0014 EA 8' Long x 4' High Slide With Stainless Steel Bed.....	3,076.61	402.83
		11 68 13 00-0015 EA 12' Long x 6' High Slide With Stainless Steel Bed.....	4,298.43	572.43
		11 68 13 00-0016 EA 16' Long x 8' High Slide With Stainless Steel Bed.....	4,759.65	636.04
		11 68 13 00-0017 EA 20' Long x 10' High Slide With Stainless Steel Bed.....	6,024.56	704.56
		11 68 13 00-0018 EA 6' High, 360 Degree One Piece Molded Polyethylene Slide.....	21,311.10	1,108.32
		11 68 13 00-0019 EA 7' High, 360 Degree Slide, Stainless Steel Bed.....	19,478.53	1,143.34
		11 68 13 00-0020 EA 9' High, 360 Degree Slide, Stainless Steel Bed.....	24,606.28	1,201.70
11 68 13 00-0021 Whirlers (11 68 13 00-0001)				
		11 68 13 00-0022 EA 8' Diameter Whirler.....	6,619.56	763.25
		11 68 13 00-0023 EA 10' Diameter Whirler.....	7,678.28	915.90
11 68 13 00-0024 Other Standalone Playground Equipment (11 68 13 00-0001)				
11 68 13 00-0025 Miscellaneous Standalone Playground Equipment (11 68 13 00-0024)				
		11 68 13 00-0026 EA Horizontal Ladder.....	2,130.73	203.90
		11 68 13 00-0027 EA Tether Ball Post.....	358.72	39.86
		11 68 13 00-0028 PR 10'-6" Long Multiple Purpose Post.....	544.58	70.47
		11 68 13 00-0029 EA 3-Person Fiberglass Golf Tee Shelter Turntable.....	9,616.93	199.13
		11 68 13 00-0030 EA Horizontal Turning Bars, 1 Bar.....	671.82	106.41
		11 68 13 00-0031 EA Horizontal Turning Bars, 2 Bars.....	912.09	127.18
		11 68 13 00-0032 EA Horizontal Turning Bars, 3 Bars.....	1,230.24	169.57
		11 68 13 00-0033 EA Horizontal Turning Bars, 5 Bars.....	1,802.96	233.15
		11 68 13 00-0034 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	1,927.79	97.08
		11 68 13 00-0035 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	2,123.02	104.79
		11 68 13 00-0036 EA Coil Spring With Single Riding Aluminum Saddle Devices.....	2,074.67	112.34
		11 68 13 00-0037 EA "C" Spring With Single Riding Aluminum Saddle Devices.....	2,168.55	96.66
		11 68 13 00-0038 EA Rubber Spring With Single Riding Aluminum Saddle Devices.....	2,667.79	126.58
		11 68 13 00-0039 EA Coil Spring Assembly Only.....	523.05	46.55
		11 68 13 00-0040 EA "C" Spring Assembly Only.....	347.53	31.03
		11 68 13 00-0041 EA Rubber Spring Assembly Only.....	249.56	60.53
		11 68 13 00-0042 EA Footbuck Assembly Only.....	90.31	8.14
		11 68 13 00-0043 EA Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	2,361.23	116.41

11	Equipment
11 60	Entertainment and Recreation Equipment
11 68	Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0044			Freestanding Panels (11 68 13 00-0024) Note: Rotomolded polyethylene.		
11 68 13 00-0045	EA		Tic-Tac-Toe Panel	1,005.37	49.85
11 68 13 00-0046	EA		24" Bubble Panel	1,506.09	74.70
11 68 13 00-0047	EA		Fire Engine Panel	2,210.23	109.63
11 68 13 00-0048	EA		Flat Mirror Panel	1,768.20	87.75
11 68 13 00-0049	EA		Wavy Mirror Panel	2,617.07	129.89
11 68 13 00-0050	EA		Paint Time Panel	1,697.77	84.28
11 68 13 00-0051	EA		Phone Time Panel	1,204.87	59.78
11 68 13 00-0052	EA		Phone Time With Graphic Panel	1,204.87	59.78
11 68 13 00-0053	EA		Race Time Panel	2,112.43	104.79
11 68 13 00-0054	EA		Rescue 911 Panel	2,144.14	104.79
11 68 13 00-0055	EA		Eastern/Central/Western States Panel	1,154.02	57.23
11 68 13 00-0056	EA		Career People Panel	1,310.49	65.03
11 68 13 00-0057	EA		Solar System Panel	1,310.49	65.03
11 68 13 00-0058	EA		Animals Panel	1,310.49	65.03
11 68 13 00-0059			Freestanding Panels Uprights (11 68 13 00-0024)		
11 68 13 00-0060	EA		3-1/2" Outside Diameter End Panel Upright	309.60	27.98
11 68 13 00-0061	EA		3-1/2" Outside Diameter 90 Degree Upright	335.40	30.27
11 68 13 00-0062	EA		3-1/2" Outside Diameter 180 Degree Upright	335.40	30.27
11 68 13 00-0063	EA		3-1/2" Outside Diameter "T-Shaped" Upright	356.90	32.22
11 68 13 00-0064			Coasters (11 68 13 00-0024)		
11 68 13 00-0065	EA		12' Single Metal Coaster With Four Posts	7,785.97	339.13
11 68 13 00-0066	EA		18' Single Metal Coaster With Four Posts	8,698.13	423.92
11 68 13 00-0067	EA		12' Double Metal Coaster With Four Posts	12,602.01	508.70
11 68 13 00-0068	EA		18' Double Metal Coaster With Four Posts	14,320.60	635.88
11 68 13 00-0069			Climbers (11 68 13 00-0024)		
11 68 13 00-0070	EA		Tower Climber, 3.17' Diameter x 7.25' High	1,396.39	226.54
11 68 13 00-0071	EA		Arch Climber, 2' x 12' x 4.5' High	1,268.48	277.42
11 68 13 00-0072	EA		Arch Climber, 2' x 15' x 5.83' High	1,381.55	226.54
11 68 13 00-0073	EA		Arch Climber, 2' x 17' x 6.58' High	1,488.62	277.42
11 68 13 00-0074	EA		Rainbow Climber, 2' x 10'-5" x 4' High	1,597.93	226.29
11 68 13 00-0075	EA		Rainbow Climber, 2' x 10'-5" x 5' High	1,796.14	226.37
11 68 13 00-0076	EA		Rainbow Climber, 2' x 12'-5" x 6' High	2,099.84	226.29
11 68 13 00-0077	EA		Rainbow Climber, 2' x 15'-4" x 7' High	2,298.38	264.95
11 68 13 00-0078	EA		Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	2,774.66	197.85
11 68 13 00-0079	EA		12' Long Horizontal Ladder Climber	2,262.86	197.85
11 68 13 00-0080	EA		14' Long Horizontal Ladder Climber	2,296.26	197.85
11 68 13 00-0081	EA		16' Long Horizontal Ladder Climber	2,517.46	197.85
11 68 13 00-0082	EA		Bell Climber, 7'-5" High With Double Bars	2,354.55	203.90
11 68 13 00-0083	EA		2-Way Climber	1,973.18	203.90
11 68 13 00-0084	EA		4-Way Climber	3,173.93	203.90
11 68 13 00-0085			Swings (11 68 13 00-0001)		
11 68 13 00-0086			Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail (11 68 13 00-0085) Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087	EA		8' High Top Rail, One Section Two Seats	1,834.52	311.49
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	214.47	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	246.84	
11 68 13 00-0088	EA		8' High Top Rail, Two Sections Four Seats	2,934.88	445.74
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	344.60	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	402.29	
11 68 13 00-0089	EA		8' High Top Rail, Three Sections, Six Seats	4,058.79	655.88
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	476.10	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	554.07	
11 68 13 00-0090	EA		8' High Top Rail, Four Sections, Eight Seats	5,091.31	763.25
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	598.24	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	700.12	
11 68 13 00-0091	EA		10' High Top Rail, One Section Two Seats	1,962.47	311.49
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	230.47	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	269.23	
11 68 13 00-0092	EA		10' High Top Rail, Two Section Four Seats	3,061.36	474.74
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	358.28	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	413.81	
11 68 13 00-0093	EA		10' High Top Rail, Three Sections, Six Seats	4,219.79	737.21
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	492.36	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	562.87	
11 68 13 00-0094	EA		10' High Top Rail, Four Sections, Eight Seats	5,600.69	890.46
			<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	655.55	
			<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	757.42	



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0095 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0095)</small>		
<small>Note: Legs, 1-7/8" diameter, traditional.</small>		
11 68 13 00-0096 EA 8' High Top Rail, One Section, Two Seats.....	2,118.34	275.11
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	251.04	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	301.92	
11 68 13 00-0097 EA 8' High Top Rail, Two Sections, Four Seats.....	3,074.65	399.18
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	364.37	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	438.27	
11 68 13 00-0098 EA 8' High Top Rail, Three Sections, Six Seats.....	4,101.61	533.85
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	486.01	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	584.32	
11 68 13 00-0099 EA 8' High Top Rail, Four Sections, Eight Seats.....	5,133.75	636.04
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	609.91	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	739.37	
11 68 13 00-0100 EA 10' High Top Rail, One Section, Two Seats.....	2,388.96	310.05
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	283.12	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	340.56	
11 68 13 00-0101 EA 10' High Top Rail, One Section Three Seats.....	2,498.18	328.79
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	296.61	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	358.87	
11 68 13 00-0102 EA 10' High Top Rail, Two Sections, Four Seats.....	3,334.75	434.03
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	395.14	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	475.06	
11 68 13 00-0103 EA 10' High Top Rail, Two Sections, Six Seats.....	4,024.45	500.36
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	479.22	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	585.09	
11 68 13 00-0104 EA 10' High Top Rail, Three Section, Six Seats.....	4,439.05	577.44
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	526.01	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	632.47	
11 68 13 00-0105 EA 10' High Top Rail, Three Sections, Nine Seats.....	5,551.33	636.29
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	662.11	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	812.45	
11 68 13 00-0106 EA 10' High Top Rail, Four Section, Eight Seats.....	5,621.73	763.25
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	664.55	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	792.95	
11 68 13 00-0107 EA 12' High Top Rail, One Section Three Seats.....	2,614.71	336.76
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	310.79	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	377.35	
11 68 13 00-0108 EA 12' High Top Rail, Two Sections, Six Seats.....	4,255.12	541.82
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	506.08	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	615.59	
11 68 13 00-0109 EA 12' High Top Rail, Three Sections, Nine Seats.....	6,171.54	867.82
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	729.04	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	868.01	
11 68 13 00-0110 Swing Accessories <small>(11 68 13 00-0085)</small>		
11 68 13 00-0111 EA Enclosed Tot Seat With Chain And Hardware.....	636.10	25.54
11 68 13 00-0112 EA Bucket Seat With Chain And Hardware.....	528.80	21.24
11 68 13 00-0113 EA Belt Seat With Chain And Hardware.....	563.30	22.68
11 68 13 00-0114 EA Seat With Chain And Hardware.....	555.63	22.34
11 68 13 00-0115 EA Wide Seat With Chain And Hardware.....	586.51	23.60
11 68 13 00-0116 EA Handi Seat With Chain And Hardware.....	1,751.19	70.40
11 68 13 00-0117 LF 0.4 LB/LF Replacement Chain.....	7.24	0.50
11 68 13 00-0118 LF 1 LB/LF Replacement Chain.....	13.46	1.01
11 68 13 00-0119 EA Swing Hanger Replacement.....	78.67	5.81
11 68 23 Exterior Court Athletic Equipment <small>(11 68)</small>		
11 68 23 13 Exterior Basketball Equipment <small>(11 68 23)</small>		
11 68 23 13-0001 Basketball Systems <small>(11 68 23 13)</small>		
<small>See CSI section 32 31 13 13-0001 for auguring holes and concrete.</small>		
11 68 23 13-0002 EA 4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System.....	2,436.57	267.50
<small>Note: Sportsplay 541-616.</small>		
11 68 23 13-0003 EA 5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	4,337.21	294.25
<small>Note: Porter Athletic 176-234.</small>		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0004 EA 4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	2,799.20	267.50
<small>Note: Porter Athletic 164-234.</small>		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0005 EA 4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	4,337.21	294.25
<small>Note: Porter Athletic 166-234.</small>		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

11 68 23 13-0006 EA Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582).....	7,778.43	432.72
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	

11 68 23 13-0007 Basketball Components (11 68 23 13)
 See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0008 EA Nylon Cord Basketball Net (Porter Athletic 09608120).....	31.91	8.48
11 68 23 13-0009 EA Chain Basketball Net (Porter Athletic 00161000).....	58.28	8.48
11 68 23 13-0010 EA Heavy Duty Goal Ring (Porter Athletic 00235000).....	133.73	42.40
11 68 23 13-0011 EA Goal Ring For Steel Net (Porter Athletic 00251H00).....	246.10	19.08
11 68 23 13-0012 EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000).....	1,441.10	36.03
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0013 EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....	1,854.41	36.03
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014 EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300).....	941.81	31.80
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015 EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000).....	1,030.99	31.80
Note: Includes perimeter and target markings. Excludes pole and goal.		

11 68 23 33 Tennis Equipment (11 68 23)

11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)

11 68 23 33-0002 PR Round, Powder Coated Steel, Tennis Court Net Posts With External Winder.....	1,082.97	144.17
11 68 23 33-0003 PR Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,390.73	144.17
11 68 23 33-0004 PR Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,442.02	144.17
11 68 23 33-0005 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder.....	1,530.72	144.17
11 68 23 33-0006 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder.....	1,846.55	144.17
11 68 23 33-0007 PR Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	269.63	
11 68 23 33-0008 PR Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	307.97	

11 68 23 33-0009 Tennis Court Nets (11 68 23 33)

11 68 23 33-0010 EA 42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	597.07	142.47
11 68 23 33-0011 EA 42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	658.27	142.47
11 68 23 33-0012 EA 42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net.....	1,440.02	219.22
11 68 23 33-0013 EA Galvanized Steel Anchor For Tennis Court Net Center Strap.....	76.51	

11 68 33 Athletic Field Equipment (11 68)

11 68 33 13 Football Field Equipment (11 68 33)

11 68 33 13-0001 Football Goal Posts (11 68 33 13)
 Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002 PR Double Steel Football Goal Posts, "H Shape".....	5,238.02	381.53
11 68 33 13-0003 PR Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....	7,725.36	617.08
11 68 33 13-0004 PR Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....	9,225.24	740.49

11 68 33 23 Soccer and Field Hockey Equipment (11 68 33)

11 68 33 23-0001 Soccer Goal Posts (11 68 33 23)
 Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002 PR Regulation Soccer Goal Posts.....	4,772.43	254.42
11 68 33 23-0003 PR Combination Football/Soccer Goal Post.....	5,728.11	381.53

11 68 33 33 Baseball Field Equipment (11 68 33)

11 68 33 33-0001 Bases (11 68 33 33)

11 68 33 33-0002 SET Bases For Baseball Or Softball.....	588.25	
--	--------	--

11 70 Healthcare Equipment (11)

11 73 Patient Care Equipment (11 70)

11 73 23 Patient Lift (11 73)

11 73 23 00-0001 Ceiling Patient Lift (11 73 23)

11 73 23 00-0002 EA Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	13,745.50	
Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.		

11 80 Facility Maintenance and Operation Equipment (11)

11 81 Maintenance Equipment (11 80)



	Equipment	11
	Facility Maintenance and Operation Equipment	11 80
	Maintenance Equipment	11 81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

11 81 29 Facility Fall Protection (11 81)

11 81 29 00-0001	EA	Safety And Tie-Back Anchors (11 81 29) Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0051 for engineering testing and inspection.		
11 81 29 00-0002		Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001) Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	806.59	95.28
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	693.09	95.28
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	495.58	84.36
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006		Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001) Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	569.72	95.28
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	514.33	95.28
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	435.05	84.36
		For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0010		Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	440.22	
		Note: One cut sheet required per order.		
11 81 29 00-0012		Ladder Safety And Fall Protection (11 81 29)		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280).....	284.88	18.61
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024).....	42.87	2.71
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030).....	53.59	6.77
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040).....	71.45	4.51
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050).....	89.31	5.64
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400).....	58.63	4.23
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054).....	545.19	11.28
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090).....	131.40	11.17
11 81 29 00-0021		Fall-Arrest Systems (11 81 29)		
11 81 29 00-0022		Horizontal (11 81 29 00-0021)		
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System..... Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	771.68	51.15
11 81 29 00-0024		Anchor Points (11 81 29 00-0021)		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post..... Note: Guardian CD-12 series	655.67	
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post..... Note: Guardian CD-18 series	765.35	
11 81 29 00-0027	EA	Bolt On Roof Anchor..... Note: Guardian CD-1-B series	293.31	
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud..... Note: Super Anchor ARS 2x8	140.84	
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud..... Note: Super Anchor ARS 2x12	163.84	

11 82 Facility Solid Waste Handling Equipment (11 80)

11 82 19 Packaged Incinerators (11 82)



Equipment	11	11
Other Equipment	11 90	
Detention Equipment	11 98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0048 EA 2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	793.02	70.51
11 98 12 00-0049 EA 2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	802.34	70.51
11 98 12 00-0050 EA 2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	811.65	70.51
11 98 12 00-0051 EA 2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	820.96	70.51
11 98 12 00-0052 EA 3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	830.27	70.51
11 98 12 00-0053 EA 3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	876.84	70.51
11 98 12 00-0054 EA 2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	850.95	70.51
11 98 12 00-0055 EA 2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	860.63	70.51
11 98 12 00-0056 EA 2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	866.72	70.51
11 98 12 00-0057 EA 2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	951.52	70.51
11 98 12 00-0058 EA 3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	1,156.21	70.51
11 98 12 00-0059 EA 3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	1,261.50	70.51
11 98 12 00-0060 EA 2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	825.62	70.51
11 98 12 00-0061 EA 2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	834.93	70.51
11 98 12 00-0062 EA 2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	844.24	70.51
11 98 12 00-0063 EA 2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	853.56	70.51
11 98 12 00-0064 EA 3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	862.87	70.51
11 98 12 00-0065 EA 3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	909.43	70.51
11 98 12 00-0066 Pneumatic Door Operators <small>(11 98 12)</small>		
11 98 12 00-0067 EA Pneumatic Detention Cell Entry Door Operator With Hardware Set	5,722.93	
11 98 12 00-0068 EA Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	6,371.88	
11 98 12 00-0069 EA Pneumatic MS Detention Cell Door Operator With Hardware Set	8,334.10	
11 98 12 00-0070 EA Pneumatic Sally Port Detention Door Operator With Hardware Set	9,748.83	
11 98 12 00-0071 EA Pneumatic Corridor Detention Door Operator With Hardware Set	12,442.69	
11 98 12 00-0072 EA Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	6,027.85	
11 98 12 00-0073 Security Doors And Frame Assembly <small>(11 98 12)</small>		
11 98 12 00-0074 EA 2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	12,867.99	466.83
Note: Complete, with hardware, single plate. <i>For 5" x 15-1/2" Opening Food Pass Assembly, Add</i>	105.00	
11 98 12 00-0075 EA 2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	15,670.06	463.82
Note: Complete, with hardware, double plate. <i>For 5" x 15-1/2" Opening Food Pass Assembly, Add</i>	105.00	

END OF SECTION 11

11	11	Equipment
	11 90	Other Equipment
	11 98	Detention Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	-----	-------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



		Furnishings	12
		Operation and Maintenance of Furnishings	12 01
		Operation and Maintenance of Multiple Seating	12 01 60

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

12 Furnishings

12 01 Operation and Maintenance of Furnishings ⁽¹²⁾

12 01 60 Operation and Maintenance of Multiple Seating ^(12 01)

12 01 60 00-0001		Repair Fixed Auditorium Seating ^(12 01 60)			
12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	197.22		
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part.....	91.80		
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part.....	127.90		
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part.....	147.13		
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part.....	239.26		
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part.....	194.66		
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part.....	73.02		
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part.....	77.28		
12 01 60 00-0010	EA	Secure Seat To Floor.....	73.33		
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	80.15		
		Note: Includes drilling and fasteners.			
		For Epoxy Anchoring, Add	25.86		
		For Expansion Anchor Mounting With Anchor Caps, Add	29.06		
		For Epoxy Anchor Mounting With Anchor Caps, Add	34.51		
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back.....	224.98		
		Note: Includes removal of existing upholstery.			

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)
 Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)		Aluminum Horizontal Louver Blinds ^(12 21 13 13)			
12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	12.01		1.02
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.85		1.02
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	10.68		1.02
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	12.34		1.02

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)		Vinyl Horizontal Louver Blinds ^(12 21 13 33)			
12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds.....	10.18		1.02
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds.....	11.76		1.02

12 21 16 Vertical Louver Blinds ^(12 21)
 Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)		Aluminum Vertical Louver Blinds ^(12 21 16 13)			
12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	14.09		2.16
12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)		Vinyl Vertical Louver Blinds ^(12 21 16 33)			
12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds.....	9.18		2.16
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds.....	12.76		2.16

12 22 Curtains and Drapes ^(12 20)

12 22 13 Draperies ^(12 22)
 Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0001 Lined Draperies ^(12 22 13)		Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)			
12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies.....	410.34		15.88
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies.....	427.35		15.88
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies.....	455.00		15.88
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies.....	465.64		15.88
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies.....	491.16		15.88
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies.....	525.19		15.88
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies.....	546.46		15.88
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies.....	576.23		15.88

12 Furnishings**12 20 Window Treatments****12 22 Curtains and Drapes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0011 EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	623.03	15.88
12 22 13 00-0012 >48" To 72" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0013 EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	596.17	21.60
12 22 13 00-0014 EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	634.46	21.60
12 22 13 00-0015 EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	664.23	21.60
12 22 13 00-0016 EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	689.75	21.60
12 22 13 00-0017 EA >81" To 90" Long, >48" To 72" Wide Lined Draperies.....	749.31	21.60
12 22 13 00-0018 EA >90" To 99" Long, >48" To 72" Wide Lined Draperies.....	779.08	21.60
12 22 13 00-0019 EA >99" To 108" Long, >48" To 72" Wide Lined Draperies.....	804.60	21.60
12 22 13 00-0020 EA >108" To 120" Long, >48" To 72" Wide Lined Draperies.....	859.90	21.60
12 22 13 00-0021 EA >120" To 130" Long, >48" To 72" Wide Lined Draperies.....	919.45	21.60
12 22 13 00-0022 >72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023 EA Up To 39" Long, >72" To 96" Wide Lined Draperies.....	790.51	27.32
12 22 13 00-0024 EA >39" To 63" Long, >72" To 96" Wide Lined Draperies.....	845.81	27.32
12 22 13 00-0025 EA >63" To 72" Long, >72" To 96" Wide Lined Draperies.....	871.33	27.32
12 22 13 00-0026 EA >72" To 81" Long, >72" To 96" Wide Lined Draperies.....	930.88	27.32
12 22 13 00-0027 EA >81" To 90" Long, >72" To 96" Wide Lined Draperies.....	986.18	27.32
12 22 13 00-0028 EA >90" To 99" Long, >72" To 96" Wide Lined Draperies.....	1,041.48	27.32
12 22 13 00-0029 EA >99" To 108" Long, >72" To 96" Wide Lined Draperies.....	1,071.26	27.32
12 22 13 00-0030 EA >108" To 120" Long, >72" To 96" Wide Lined Draperies.....	1,130.81	27.32
12 22 13 00-0031 EA >120" To 130" Long, >72" To 96" Wide Lined Draperies.....	1,211.63	27.32
12 22 13 00-0032 >96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033 EA Up To 39" Long, >96" To 120" Wide Lined Draperies.....	997.62	33.03
12 22 13 00-0034 EA >39" To 63" Long, >96" To 120" Wide Lined Draperies.....	1,052.92	33.03
12 22 13 00-0035 EA >63" To 72" Long, >96" To 120" Wide Lined Draperies.....	1,082.70	33.03
12 22 13 00-0036 EA >72" To 81" Long, >96" To 120" Wide Lined Draperies.....	1,167.77	33.03
12 22 13 00-0037 EA >81" To 90" Long, >96" To 120" Wide Lined Draperies.....	1,223.07	33.03
12 22 13 00-0038 EA >90" To 99" Long, >96" To 120" Wide Lined Draperies.....	1,282.62	33.03
12 22 13 00-0039 EA >99" To 108" Long, >96" To 120" Wide Lined Draperies.....	1,436.09	33.03
12 22 13 00-0040 EA >108" To 120" Long, >96" To 120" Wide Lined Draperies.....	1,427.25	33.03
12 22 13 00-0041 EA >120" To 130" Long, >96" To 120" Wide Lined Draperies.....	1,469.78	33.03
12 22 13 00-0042 >120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043 EA Up To 39" Long, >120" To 144" Wide Lined Draperies.....	1,179.20	38.74
12 22 13 00-0044 EA >39" To 63" Long, >120" To 144" Wide Lined Draperies.....	1,260.02	38.74
12 22 13 00-0045 EA >63" To 72" Long, >120" To 144" Wide Lined Draperies.....	1,289.80	38.74
12 22 13 00-0046 EA >72" To 81" Long, >120" To 144" Wide Lined Draperies.....	1,374.87	38.74
12 22 13 00-0047 EA >81" To 90" Long, >120" To 144" Wide Lined Draperies.....	1,459.94	38.74
12 22 13 00-0048 EA >90" To 99" Long, >120" To 144" Wide Lined Draperies.....	1,545.02	38.74
12 22 13 00-0049 EA >99" To 108" Long, >120" To 144" Wide Lined Draperies.....	1,630.09	38.74
12 22 13 00-0050 EA >108" To 120" Long, >120" To 144" Wide Lined Draperies.....	1,715.17	38.74
12 22 13 00-0051 EA >120" To 130" Long, >120" To 144" Wide Lined Draperies.....	1,821.51	38.74
12 22 13 00-0052 >144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053 EA Up To 39" Long, >144" To 168" Wide Lined Draperies.....	1,386.31	44.46
12 22 13 00-0054 EA >39" To 63" Long, >144" To 168" Wide Lined Draperies.....	1,471.38	44.46
12 22 13 00-0055 EA >63" To 72" Long, >144" To 168" Wide Lined Draperies.....	1,535.19	44.46
12 22 13 00-0056 EA >72" To 81" Long, >144" To 168" Wide Lined Draperies.....	1,620.26	44.46
12 22 13 00-0057 EA >81" To 90" Long, >144" To 168" Wide Lined Draperies.....	1,705.34	44.46
12 22 13 00-0058 EA >90" To 99" Long, >144" To 168" Wide Lined Draperies.....	1,811.68	44.46
12 22 13 00-0059 EA >99" To 108" Long, >144" To 168" Wide Lined Draperies.....	1,896.75	44.46
12 22 13 00-0060 EA >108" To 120" Long, >144" To 168" Wide Lined Draperies.....	1,981.83	44.46
12 22 13 00-0061 EA >120" To 130" Long, >144" To 168" Wide Lined Draperies.....	2,130.71	44.46
12 22 13 00-0062 >168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063 EA Up To 39" Long, >168" To 192" Wide Lined Draperies.....	1,567.89	50.18
12 22 13 00-0064 EA >39" To 63" Long, >168" To 192" Wide Lined Draperies.....	1,674.23	50.18
12 22 13 00-0065 EA >63" To 72" Long, >168" To 192" Wide Lined Draperies.....	1,738.04	50.18
12 22 13 00-0066 EA >72" To 81" Long, >168" To 192" Wide Lined Draperies.....	1,844.38	50.18
12 22 13 00-0067 EA >81" To 90" Long, >168" To 192" Wide Lined Draperies.....	1,929.45	50.18
12 22 13 00-0068 EA >90" To 99" Long, >168" To 192" Wide Lined Draperies.....	2,035.79	50.18
12 22 13 00-0069 EA >99" To 108" Long, >168" To 192" Wide Lined Draperies.....	2,205.95	50.18
12 22 13 00-0070 EA >108" To 120" Long, >168" To 192" Wide Lined Draperies.....	2,269.75	50.18
12 22 13 00-0071 EA >120" To 130" Long, >168" To 192" Wide Lined Draperies.....	2,418.63	50.18
12 22 13 00-0072 >192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073 EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	1,770.73	55.90
12 22 13 00-0074 EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	1,855.81	55.90
12 22 13 00-0075 EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	1,940.88	55.90
12 22 13 00-0076 EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	2,068.49	55.90



Furnishings	12	12
Window Treatments	12 20	
Curtains and Drapes	12 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077 EA >81" To 90" Long, >192" To 216" Wide Lined Draperies	2,196.10	55.90
12 22 13 00-0078 EA >90" To 99" Long, >192" To 216" Wide Lined Draperies	2,323.72	55.90
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies	2,430.06	55.90
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies	2,536.40	55.90
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies	2,727.82	55.90
12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	1,952.32	61.61
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	2,101.21	61.61
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	2,165.01	61.61
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	2,292.62	61.61
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	2,441.50	61.61
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	2,569.11	61.61
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	2,696.72	61.61
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	2,824.33	61.61
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	3,037.02	61.61
12 22 16 Drapery Track and Accessories (12 22)		
12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	148.68	48.50
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	175.94	48.50
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	210.00	53.89
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	295.13	53.89
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	305.26	59.28
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	174.81	48.50
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	192.41	48.50
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	251.46	53.89
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	288.79	59.28
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	219.67	48.50
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	273.06	48.50
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	344.88	53.89
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	372.28	59.28
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White	12.74	2.28
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	32.33	
Note: Includes storage and cleaning.		
12 23 Interior Shutters (12 20)		
12 23 13 Wood Interior Shutters (12 23)		
12 23 13 00-0001 Interior Plantation Shutters (12 23 13)		
Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002 12" Wide (12 23 13 00-0001)		
12 23 13 00-0003 PR 12" x 36" Plantation Shutter.....	281.09	38.36
12 23 13 00-0004 PR 12" x 40" Plantation Shutter.....	312.39	40.28
12 23 13 00-0005 PR 12" x 44" Plantation Shutter.....	340.82	42.19
12 23 13 00-0006 PR 12" x 48" Plantation Shutter.....	369.24	44.12
12 23 13 00-0007 PR 12" x 52" Plantation Shutter.....	397.66	46.04
12 23 13 00-0008 PR 12" x 56" Plantation Shutter.....	426.09	47.96
12 23 13 00-0009 PR 12" x 60" Plantation Shutter.....	428.64	49.87
12 23 13 00-0010 PR 12" x 64" Plantation Shutter.....	482.94	51.79
12 23 13 00-0011 PR 12" x 68" Plantation Shutter.....	511.37	53.71
12 23 13 00-0012 PR 12" x 72" Plantation Shutter.....	539.80	55.63
12 23 13 00-0013 PR 12" x 76" Plantation Shutter.....	568.22	57.54
12 23 13 00-0014 PR 12" x 80" Plantation Shutter.....	596.65	59.46
12 23 13 00-0015 14" Wide (12 23 13 00-0001)		
12 23 13 00-0016 PR 14" x 36" Plantation Shutter.....	292.59	38.36
12 23 13 00-0017 PR 14" x 40" Plantation Shutter.....	323.89	40.28
12 23 13 00-0018 PR 14" x 44" Plantation Shutter.....	352.32	42.19

12	Furnishings
12 20	Window Treatments
12 23	Interior Shutters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0019 PR 14" x 48" Plantation Shutter	380.73	44.12
12 23 13 00-0020 PR 14" x 52" Plantation Shutter	412.03	46.04
12 23 13 00-0021 PR 14" x 56" Plantation Shutter	440.46	47.96
12 23 13 00-0022 PR 14" x 60" Plantation Shutter	468.88	49.87
12 23 13 00-0023 PR 14" x 64" Plantation Shutter	500.18	51.79
12 23 13 00-0024 PR 14" x 68" Plantation Shutter	528.61	53.71
12 23 13 00-0025 PR 14" x 72" Plantation Shutter	557.04	55.63
12 23 13 00-0026 PR 14" x 76" Plantation Shutter	588.34	57.54
12 23 13 00-0027 PR 14" x 80" Plantation Shutter	616.77	59.46
12 23 13 00-0028 15" Wide (12 23 13 00-0001)		
12 23 13 00-0029 PR 15" x 36" Plantation Shutter	304.08	38.36
12 23 13 00-0030 PR 15" x 40" Plantation Shutter	335.38	40.28
12 23 13 00-0031 PR 15" x 44" Plantation Shutter	363.81	42.19
12 23 13 00-0032 PR 15" x 48" Plantation Shutter	392.23	44.12
12 23 13 00-0033 PR 15" x 52" Plantation Shutter	423.52	46.04
12 23 13 00-0034 PR 15" x 56" Plantation Shutter	454.84	47.96
12 23 13 00-0035 PR 15" x 60" Plantation Shutter	486.13	49.87
12 23 13 00-0036 PR 15" x 64" Plantation Shutter	517.43	51.79
12 23 13 00-0037 PR 15" x 68" Plantation Shutter	548.73	53.71
12 23 13 00-0038 PR 15" x 72" Plantation Shutter	577.16	55.63
12 23 13 00-0039 PR 15" x 76" Plantation Shutter	608.46	57.54
12 23 13 00-0040 PR 15" x 80" Plantation Shutter	639.76	59.46
12 23 13 00-0041 16" Wide (12 23 13 00-0001)		
12 23 13 00-0042 PR 16" x 36" Plantation Shutter	321.33	38.36
12 23 13 00-0043 PR 16" x 40" Plantation Shutter	355.50	40.28
12 23 13 00-0044 PR 16" x 44" Plantation Shutter	386.81	42.19
12 23 13 00-0045 PR 16" x 48" Plantation Shutter	420.97	44.12
12 23 13 00-0046 PR 16" x 52" Plantation Shutter	452.27	46.04
12 23 13 00-0047 PR 16" x 56" Plantation Shutter	483.58	47.96
12 23 13 00-0048 PR 16" x 60" Plantation Shutter	514.87	49.87
12 23 13 00-0049 PR 16" x 64" Plantation Shutter	551.92	51.79
12 23 13 00-0050 PR 16" x 68" Plantation Shutter	583.22	53.71
12 23 13 00-0051 PR 16" x 72" Plantation Shutter	614.53	55.63
12 23 13 00-0052 PR 16" x 76" Plantation Shutter	648.70	57.54
12 23 13 00-0053 PR 16" x 80" Plantation Shutter	680.00	59.46
12 23 13 00-0054 18" Wide (12 23 13 00-0001)		
12 23 13 00-0055 PR 18" x 36" Plantation Shutter	347.20	38.36
12 23 13 00-0056 PR 18" x 40" Plantation Shutter	381.37	40.28
12 23 13 00-0057 PR 18" x 44" Plantation Shutter	415.55	42.19
12 23 13 00-0058 PR 18" x 48" Plantation Shutter	452.59	44.12
12 23 13 00-0059 PR 18" x 52" Plantation Shutter	486.76	46.04
12 23 13 00-0060 PR 18" x 56" Plantation Shutter	523.82	47.96
12 23 13 00-0061 PR 18" x 60" Plantation Shutter	557.98	49.87
12 23 13 00-0062 PR 18" x 64" Plantation Shutter	592.16	51.79
12 23 13 00-0063 PR 18" x 68" Plantation Shutter	626.34	53.71
12 23 13 00-0064 PR 18" x 72" Plantation Shutter	663.39	55.63
12 23 13 00-0065 PR 18" x 76" Plantation Shutter	697.56	57.54
12 23 13 00-0066 PR 18" x 80" Plantation Shutter	734.61	59.46
12 23 13 00-0067 20" Wide (12 23 13 00-0001)		
12 23 13 00-0068 PR 20" x 36" Plantation Shutter	375.94	38.36
12 23 13 00-0069 PR 20" x 40" Plantation Shutter	415.86	40.28
12 23 13 00-0070 PR 20" x 44" Plantation Shutter	452.91	42.19
12 23 13 00-0071 PR 20" x 48" Plantation Shutter	489.95	44.12
12 23 13 00-0072 PR 20" x 52" Plantation Shutter	529.87	46.04
12 23 13 00-0073 PR 20" x 56" Plantation Shutter	566.93	47.96
12 23 13 00-0074 PR 20" x 60" Plantation Shutter	606.85	49.87
12 23 13 00-0075 PR 20" x 64" Plantation Shutter	643.90	51.79
12 23 13 00-0076 PR 20" x 68" Plantation Shutter	683.82	53.71
12 23 13 00-0077 PR 20" x 72" Plantation Shutter	720.87	55.63
12 23 13 00-0078 PR 20" x 76" Plantation Shutter	760.80	57.54
12 23 13 00-0079 PR 20" x 80" Plantation Shutter	797.85	59.46
12 23 13 00-0080 22" Wide (12 23 13 00-0001)		
12 23 13 00-0081 PR 22" x 36" Plantation Shutter	398.93	38.36
12 23 13 00-0082 PR 22" x 40" Plantation Shutter	441.73	40.28
12 23 13 00-0083 PR 22" x 44" Plantation Shutter	481.66	42.19
12 23 13 00-0084 PR 22" x 48" Plantation Shutter	4,832.92	44.12
12 23 13 00-0085 PR 22" x 52" Plantation Shutter	564.36	46.04
12 23 13 00-0086 PR 22" x 56" Plantation Shutter	604.30	47.96
12 23 13 00-0087 PR 22" x 60" Plantation Shutter	644.21	49.87
12 23 13 00-0088 PR 22" x 64" Plantation Shutter	687.01	51.79



Furnishings	12	12
Window Treatments	12 20	
Interior Shutters	12 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23	13 00-0089	PR	22" x 68" Plantation Shutter.....	726.93	53.71
12 23	13 00-0090	PR	22" x 72" Plantation Shutter.....	769.73	55.63
12 23	13 00-0091	PR	22" x 76" Plantation Shutter.....	809.66	57.54
12 23	13 00-0092	PR	22" x 80" Plantation Shutter.....	852.46	59.46
12 23	13 00-0093		24" Wide <small>(12 23 13 00-0001)</small>		
12 23	13 00-0094	PR	24" x 36" Plantation Shutter.....	421.93	38.36
12 23	13 00-0095	PR	24" x 40" Plantation Shutter.....	467.60	40.28
12 23	13 00-0096	PR	24" x 44" Plantation Shutter.....	510.40	42.19
12 23	13 00-0097	PR	24" x 48" Plantation Shutter.....	556.06	44.12
12 23	13 00-0098	PR	24" x 52" Plantation Shutter.....	598.85	46.04
12 23	13 00-0099	PR	24" x 56" Plantation Shutter.....	641.66	47.96
12 23	13 00-0100	PR	24" x 60" Plantation Shutter.....	684.45	49.87
12 23	13 00-0101	PR	24" x 64" Plantation Shutter.....	730.12	51.79
12 23	13 00-0102	PR	24" x 68" Plantation Shutter.....	772.92	53.71
12 23	13 00-0103	PR	24" x 72" Plantation Shutter.....	818.60	55.63
12 23	13 00-0104	PR	24" x 76" Plantation Shutter.....	861.39	57.54
12 23	13 00-0105	PR	24" x 80" Plantation Shutter.....	907.07	59.46

12 24 Window Shades (12 20)

12 24 13 Roller Window Shades (12 24)

12 24	13 00-0001		Roller Window Shades <small>(12 24 13)</small>		
12 24	13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades <small>(12 24 13 00-0001)</small>		
			Note: Includes roller, brackets, and stainless steel chain operator.		
12 24	13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	15.30	0.76
12 24	13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	15.30	0.76

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001)

			Note: Includes roller, brackets, and stainless steel chain operator.		
12 24	13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	19.53	0.76

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001)

			Note: Includes roller, brackets, and stainless steel chain operator.		
12 24	13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	15.30	0.76

12 25 Window Treatment Operating Hardware (12 20)

12 25 09 Window Treatment Control System (12 25)

12 25	09 00-0001		Motorized Lightproof Shades <small>(12 25 09)</small>		
12 25	09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width.....	40.32	2.69

12 25 13 Motorized Drapery Rods (12 25)

12 25	13 00-0001		Motorized Drapery Track <small>(12 25 13)</small>		
12 25	13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,356.59	127.87
12 25	13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,417.02	140.66
12 25	13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,477.44	153.45
12 25	13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,537.85	166.24
12 25	13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,598.28	179.02
12 25	13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,658.71	191.82
12 25	13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,719.12	204.60
12 25	13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,779.55	217.38
12 25	13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,839.97	230.18
12 25	13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,900.39	242.96
12 25	13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,960.81	255.75
12 25	13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,021.23	268.54
12 25	13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,081.65	281.33
12 25	13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,142.08	294.11
12 25	13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,202.50	306.90
12 25	13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,262.92	319.69
12 25	13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,323.34	332.47
12 25	13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,383.77	345.27
12 25	13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,444.19	358.05
12 25	13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,504.60	370.84
12 25	13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,565.03	383.63

12 30 Casework (12)

12 31 Manufactured Metal Casework (12 30)

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16			Manufactured Metal Sandwich Panel Casework <small>(12 31)</small>		
12 31 16 00-0001			34-1/2" High x 24" Deep, Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002			18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0003			18" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004	EA		18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,805.46	297.21
			<i>For 16 Gauge Stainless Steel, Add</i>	260.34	
			<i>For >5 To 9, Deduct</i>	-63.57	
			<i>For >9, Deduct</i>	-127.14	
12 31 16 00-0005	EA		18" Stainless Steel Base Cabinet, With 4 Drawers	2,833.94	297.21
			<i>For 16 Gauge Stainless Steel, Add</i>	481.46	
			<i>For >5 To 9, Deduct</i>	-117.57	
			<i>For >9, Deduct</i>	-235.13	
12 31 16 00-0006	EA		18" Stainless Steel Base Cabinet, With 3 Drawers	2,639.87	297.21
			<i>For 16 Gauge Stainless Steel, Add</i>	439.74	
			<i>For >5 To 9, Deduct</i>	-107.38	
			<i>For >9, Deduct</i>	-214.76	
12 31 16 00-0007	EA		18" Stainless Steel Base Cabinet, With 2 Drawers	2,445.80	297.21
			<i>For 16 Gauge Stainless Steel, Add</i>	398.01	
			<i>For >5 To 9, Deduct</i>	-97.19	
			<i>For >9, Deduct</i>	-194.38	
12 31 16 00-0008	EA		18" Stainless Steel Base Cabinet, With Doors And Drawers	2,379.95	297.21
			<i>For 16 Gauge Stainless Steel, Add</i>	383.85	
			<i>For >5 To 9, Deduct</i>	-93.73	
			<i>For >9, Deduct</i>	-187.46	
12 31 16 00-0009			24" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA		24" Stainless Steel Base Cabinet, With Doors And Locks	2,551.98	321.21
			<i>For 16 Gauge Stainless Steel, Add</i>	410.45	
			<i>For >5 To 9, Deduct</i>	-100.23	
			<i>For >9, Deduct</i>	-200.45	
12 31 16 00-0011	EA		24" Stainless Steel Base Cabinet, With Door, No Locks	2,315.18	321.21
			<i>For 16 Gauge Stainless Steel, Add</i>	359.54	
			<i>For >5 To 9, Deduct</i>	-87.80	
			<i>For >9, Deduct</i>	-175.59	
12 31 16 00-0012	EA		24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,367.02	321.21
			<i>For 16 Gauge Stainless Steel, Add</i>	370.69	
			<i>For >5 To 9, Deduct</i>	-90.52	
			<i>For >9, Deduct</i>	-181.03	
12 31 16 00-0013	EA		24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,608.03	321.21
			<i>For 16 Gauge Stainless Steel, Add</i>	422.51	
			<i>For >5 To 9, Deduct</i>	-103.17	
			<i>For >9, Deduct</i>	-206.34	
12 31 16 00-0014	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,338.76	321.21
			<i>For 16 Gauge Stainless Steel, Add</i>	579.61	
			<i>For >5 To 9, Deduct</i>	-141.53	
			<i>For >9, Deduct</i>	-283.07	
12 31 16 00-0015	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	3,651.93	321.21
			<i>For 16 Gauge Stainless Steel, Add</i>	646.94	
			<i>For >5 To 9, Deduct</i>	-157.97	
			<i>For >9, Deduct</i>	-315.95	
12 31 16 00-0016			30" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,275.67	338.49
			<i>For 16 Gauge Stainless Steel, Add</i>	343.77	
			<i>For >5 To 9, Deduct</i>	-83.94	
			<i>For >9, Deduct</i>	-167.89	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,225.69	338.49
			<i>For 16 Gauge Stainless Steel, Add</i>	548.03	
			<i>For >5 To 9, Deduct</i>	-133.82	
			<i>For >9, Deduct</i>	-267.64	
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	4,099.34	338.49
			<i>For 16 Gauge Stainless Steel, Add</i>	735.86	
			<i>For >5 To 9, Deduct</i>	-179.69	
			<i>For >9, Deduct</i>	-359.37	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,786.17	338.49
			<i>For 16 Gauge Stainless Steel, Add</i>	668.53	
			<i>For >5 To 9, Deduct</i>	-163.25	
			<i>For >9, Deduct</i>	-326.49	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	3,592.10	338.49
			<i>For 16 Gauge Stainless Steel, Add</i>	626.80	
			<i>For >5 To 9, Deduct</i>	-153.06	
			<i>For >9, Deduct</i>	-306.11	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks	2,804.63	338.49
			<i>For 16 Gauge Stainless Steel, Add</i>	457.50	
			<i>For >5 To 9, Deduct</i>	-111.71	
			<i>For >9, Deduct</i>	-223.43	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks	2,780.81	338.49
			<i>For 16 Gauge Stainless Steel, Add</i>	452.38	
			<i>For >5 To 9, Deduct</i>	-110.46	
			<i>For >9, Deduct</i>	-220.93	



Furnishings	12	12
Casework	12 30	
Manufactured Metal Casework	12 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024 36" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025 EA 36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,502.52	351.93
For 16 Gauge Stainless Steel, Add	386.57	
For >5 To 9, Deduct	-94.39	
For >9, Deduct	-188.79	
12 31 16 00-0026 EA 36" Stainless Steel Base Cabinet, With Doors And Locks	3,008.35	351.93
For 16 Gauge Stainless Steel, Add	495.32	
For >5 To 9, Deduct	-120.95	
For >9, Deduct	-241.90	
12 31 16 00-0027 EA 36" Stainless Steel Base Cabinet, With Door, No Lock	2,822.00	351.93
For 16 Gauge Stainless Steel, Add	455.26	
For >5 To 9, Deduct	-111.17	
For >9, Deduct	-222.33	
12 31 16 00-0028 EA 36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	4,324.08	351.93
For 16 Gauge Stainless Steel, Add	778.20	
For >5 To 9, Deduct	-190.03	
For >9, Deduct	-380.05	
12 31 16 00-0029 EA 36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,011.61	351.93
For 16 Gauge Stainless Steel, Add	711.02	
For >5 To 9, Deduct	-173.62	
For >9, Deduct	-347.24	
12 31 16 00-0030 42" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0031 EA 42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,629.32	374.01
For 16 Gauge Stainless Steel, Add	404.46	
For >5 To 9, Deduct	-98.76	
For >9, Deduct	-197.53	
12 31 16 00-0032 EA 42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	4,562.28	374.01
For 16 Gauge Stainless Steel, Add	820.05	
For >5 To 9, Deduct	-200.24	
For >9, Deduct	-400.49	
12 31 16 00-0033 EA 42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	4,249.11	374.01
For 16 Gauge Stainless Steel, Add	752.72	
For >5 To 9, Deduct	-183.80	
For >9, Deduct	-367.61	
12 31 16 00-0034 EA 42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,924.73	374.01
For 16 Gauge Stainless Steel, Add	682.98	
For >5 To 9, Deduct	-166.77	
For >9, Deduct	-333.55	
12 31 16 00-0035 EA 42" Stainless Steel Base Cabinet, With Doors, No Lock	3,060.89	374.01
For 16 Gauge Stainless Steel, Add	497.25	
For >5 To 9, Deduct	-121.42	
For >9, Deduct	-242.84	
12 31 16 00-0036 EA 42" Stainless Steel Base Cabinet, With Doors And Lock	3,244.45	374.01
For 16 Gauge Stainless Steel, Add	536.72	
For >5 To 9, Deduct	-131.06	
For >9, Deduct	-262.12	
12 31 16 00-0037 48" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0038 EA 48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	4,779.52	382.65
For 16 Gauge Stainless Steel, Add	863.17	
For >5 To 9, Deduct	-210.77	
For >9, Deduct	-421.55	
12 31 16 00-0039 EA 48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	4,467.05	382.65
For 16 Gauge Stainless Steel, Add	795.99	
For >5 To 9, Deduct	-194.37	
For >9, Deduct	-388.74	
12 31 16 00-0040 EA 48" Stainless Steel Base Cabinet, No Doors, No Drawers	2,846.56	382.65
For 16 Gauge Stainless Steel, Add	447.58	
For >5 To 9, Deduct	-109.29	
For >9, Deduct	-218.59	
12 31 16 00-0041 EA 48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,142.67	382.65
For 16 Gauge Stainless Steel, Add	726.25	
For >5 To 9, Deduct	-177.34	
For >9, Deduct	-354.68	
12 31 16 00-0042 EA 48" Stainless Steel Base Cabinet, With Doors, And Lock	3,463.79	382.65
For 16 Gauge Stainless Steel, Add	580.29	
For >5 To 9, Deduct	-141.70	
For >9, Deduct	-283.40	
12 31 16 00-0043 EA 48" Stainless Steel Base Cabinet, With Doors, No Locks	3,413.35	382.65
For 16 Gauge Stainless Steel, Add	569.44	
For >5 To 9, Deduct	-139.05	
For >9, Deduct	-278.10	
12 31 16 00-0044 60" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0045 EA 24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	3,385.74	394.31
For 16 Gauge Stainless Steel, Add	558.47	
For >5 To 9, Deduct	-136.37	
For >9, Deduct	-272.74	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0046 18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047 12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0048 EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,336.12	113.15
For 16 Gauge Stainless Steel, Add	238.61	
For >5 To 9, Deduct	-58.26	
For >9, Deduct	-116.53	
12 31 16 00-0049 EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,334.88	120.01
For 16 Gauge Stainless Steel, Add	235.39	
For >5 To 9, Deduct	-57.48	
For >9, Deduct	-114.96	
12 31 16 00-0050 18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0051 EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,402.34	121.66
For 16 Gauge Stainless Steel, Add	249.16	
For >5 To 9, Deduct	-60.84	
For >9, Deduct	-121.68	
12 31 16 00-0052 EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,325.98	121.66
For 16 Gauge Stainless Steel, Add	232.74	
For >5 To 9, Deduct	-56.83	
For >9, Deduct	-113.66	
12 31 16 00-0053 EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,549.85	132.35
For 16 Gauge Stainless Steel, Add	276.29	
For >5 To 9, Deduct	-67.47	
For >9, Deduct	-134.93	
12 31 16 00-0054 EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,502.91	132.35
For 16 Gauge Stainless Steel, Add	266.20	
For >5 To 9, Deduct	-65.00	
For >9, Deduct	-130.00	
12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0056 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door.....	1,182.27	134.68
For 16 Gauge Stainless Steel, Add	196.29	
For >5 To 9, Deduct	-47.93	
For >9, Deduct	-95.86	
12 31 16 00-0057 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,581.62	134.68
For 16 Gauge Stainless Steel, Add	282.15	
For >5 To 9, Deduct	-68.90	
For >9, Deduct	-137.80	
12 31 16 00-0058 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,505.95	134.68
For 16 Gauge Stainless Steel, Add	265.88	
For >5 To 9, Deduct	-64.93	
For >9, Deduct	-129.85	
12 31 16 00-0059 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,488.55	125.76
For 16 Gauge Stainless Steel, Add	265.90	
For >5 To 9, Deduct	-64.93	
For >9, Deduct	-129.86	
12 31 16 00-0060 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,407.98	125.76
For 16 Gauge Stainless Steel, Add	248.58	
For >5 To 9, Deduct	-60.70	
For >9, Deduct	-121.40	
12 31 16 00-0061 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock.....	1,785.61	125.76
For 16 Gauge Stainless Steel, Add	329.77	
For >5 To 9, Deduct	-80.52	
For >9, Deduct	-161.05	
12 31 16 00-0062 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,084.31	125.76
For 16 Gauge Stainless Steel, Add	178.99	
For >5 To 9, Deduct	-43.71	
For >9, Deduct	-87.41	
12 31 16 00-0063 EA 24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,021.72	120.01
For 16 Gauge Stainless Steel, Add	168.06	
For >5 To 9, Deduct	-41.04	
For >9, Deduct	-82.08	
12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0065 EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,035.77	143.04
For 16 Gauge Stainless Steel, Add	376.17	
For >5 To 9, Deduct	-91.86	
For >9, Deduct	-183.71	
12 31 16 00-0066 EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,852.21	143.04
For 16 Gauge Stainless Steel, Add	336.71	
For >5 To 9, Deduct	-82.22	
For >9, Deduct	-164.44	
12 31 16 00-0067 EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,268.61	143.04
For 16 Gauge Stainless Steel, Add	211.23	
For >5 To 9, Deduct	-51.58	
For >9, Deduct	-103.16	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,934.26	131.66
			<i>For 16 Gauge Stainless Steel, Add</i>	359.23	
			<i>For >5 To 9, Deduct</i>	-87.72	
			<i>For >9, Deduct</i>	-175.44	
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,750.70	131.66
			<i>For 16 Gauge Stainless Steel, Add</i>	319.77	
			<i>For >5 To 9, Deduct</i>	-78.08	
			<i>For >9, Deduct</i>	-156.17	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,167.10	131.66
			<i>For 16 Gauge Stainless Steel, Add</i>	194.29	
			<i>For >5 To 9, Deduct</i>	-47.44	
			<i>For >9, Deduct</i>	-94.89	
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,103.99	125.49
			<i>For 16 Gauge Stainless Steel, Add</i>	183.42	
			<i>For >5 To 9, Deduct</i>	-44.79	
			<i>For >9, Deduct</i>	-89.58	
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,116.27	147.16
			<i>For 16 Gauge Stainless Steel, Add</i>	391.72	
			<i>For >5 To 9, Deduct</i>	-95.65	
			<i>For >9, Deduct</i>	-191.30	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,928.50	147.16
			<i>For 16 Gauge Stainless Steel, Add</i>	351.35	
			<i>For >5 To 9, Deduct</i>	-85.79	
			<i>For >9, Deduct</i>	-171.59	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,349.11	147.16
			<i>For 16 Gauge Stainless Steel, Add</i>	226.78	
			<i>For >5 To 9, Deduct</i>	-55.38	
			<i>For >9, Deduct</i>	-110.75	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,013.19	134.68
			<i>For 16 Gauge Stainless Steel, Add</i>	374.94	
			<i>For >5 To 9, Deduct</i>	-91.56	
			<i>For >9, Deduct</i>	-183.11	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,830.33	134.68
			<i>For 16 Gauge Stainless Steel, Add</i>	335.63	
			<i>For >5 To 9, Deduct</i>	-81.96	
			<i>For >9, Deduct</i>	-163.91	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,246.03	134.68
			<i>For 16 Gauge Stainless Steel, Add</i>	210.00	
			<i>For >5 To 9, Deduct</i>	-51.28	
			<i>For >9, Deduct</i>	-102.56	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,184.16	128.24
			<i>For 16 Gauge Stainless Steel, Add</i>	199.44	
			<i>For >5 To 9, Deduct</i>	-48.70	
			<i>For >9, Deduct</i>	-97.40	
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,233.22	185.15
			<i>For 16 Gauge Stainless Steel, Add</i>	400.59	
			<i>For >5 To 9, Deduct</i>	-97.82	
			<i>For >9, Deduct</i>	-195.64	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,231.84	174.72
			<i>For 16 Gauge Stainless Steel, Add</i>	404.75	
			<i>For >5 To 9, Deduct</i>	-98.83	
			<i>For >9, Deduct</i>	-197.67	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,045.48	174.72
			<i>For 16 Gauge Stainless Steel, Add</i>	364.68	
			<i>For >5 To 9, Deduct</i>	-89.05	
			<i>For >9, Deduct</i>	-178.10	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,463.28	174.72
			<i>For 16 Gauge Stainless Steel, Add</i>	239.51	
			<i>For >5 To 9, Deduct</i>	-58.49	
			<i>For >9, Deduct</i>	-116.97	
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,095.37	146.75
			<i>For 16 Gauge Stainless Steel, Add</i>	387.41	
			<i>For >5 To 9, Deduct</i>	-94.60	
			<i>For >9, Deduct</i>	-189.20	
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,910.41	146.75
			<i>For 16 Gauge Stainless Steel, Add</i>	347.64	
			<i>For >5 To 9, Deduct</i>	-84.89	
			<i>For >9, Deduct</i>	-169.78	
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,328.21	146.75
			<i>For 16 Gauge Stainless Steel, Add</i>	222.47	
			<i>For >5 To 9, Deduct</i>	-54.32	
			<i>For >9, Deduct</i>	-108.65	
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks.....	1,978.34	185.15
			<i>For 16 Gauge Stainless Steel, Add</i>	344.18	
			<i>For >5 To 9, Deduct</i>	-84.05	
			<i>For >9, Deduct</i>	-168.09	

12 Furnishings
12 30 Casework
12 31 Manufactured Metal Casework



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,310.72	178.57
			<i>For 16 Gauge Stainless Steel, Add</i>	420.02	
			<i>For >5 To 9, Deduct</i>	-102.56	
			<i>For >9, Deduct</i>	-205.12	
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,127.16	178.57
			<i>For 16 Gauge Stainless Steel, Add</i>	380.55	
			<i>For >5 To 9, Deduct</i>	-92.93	
			<i>For >9, Deduct</i>	-185.85	
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,543.56	178.57
			<i>For 16 Gauge Stainless Steel, Add</i>	255.08	
			<i>For >5 To 9, Deduct</i>	-62.29	
			<i>For >9, Deduct</i>	-124.57	
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,172.34	148.12
			<i>For 16 Gauge Stainless Steel, Add</i>	403.32	
			<i>For >5 To 9, Deduct</i>	-98.49	
			<i>For >9, Deduct</i>	-196.97	
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,989.48	148.12
			<i>For 16 Gauge Stainless Steel, Add</i>	364.01	
			<i>For >5 To 9, Deduct</i>	-88.89	
			<i>For >9, Deduct</i>	-177.77	
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,405.18	148.12
			<i>For 16 Gauge Stainless Steel, Add</i>	238.38	
			<i>For >5 To 9, Deduct</i>	-58.21	
			<i>For >9, Deduct</i>	-116.42	
12 31 16 00-0096			Accessories <small>(12 31 16 00-0001)</small>		
12 31 16 00-0097			Stainless Steel Countertops <small>(12 31 16 00-0096)</small> Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash	115.39	7.55
			<i>For 14 Gauge Stainless Steel, Add</i>	22.17	
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash	106.00	7.55
			<i>For 14 Gauge Stainless Steel, Add</i>	20.09	
12 31 16 00-0100	EA		Cutout For Sink And/or Faucet In Stainless Steel Countertop	190.48	
12 31 16 00-0101			Stainless Steel Wall Panels <small>(12 31 16 00-0096)</small>		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel	38.21	11.24
			<i>For 18 Gauge Stainless Steel, Add</i>	4.28	
			<i>For 16 Gauge Stainless Steel, Add</i>	8.25	
12 31 16 00-0103			Pedestal Legs <small>(12 31 16 00-0096)</small>		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg	287.45	17.14
12 31 16 00-0105			Stainless Steel Slanted Cabinet Top Enclosure <small>(12 31 16 00-0096)</small>		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	320.12	31.76
12 35 Specialty Casework					
12 35 59 Display Casework			<small>(12 35)</small> See CSI section 10 12 00 00-0000 for display cases.		
12 35 70 Healthcare Casework			<small>(12 35)</small>		
12 35 70 13 Hospital Casework			<small>(12 35 70)</small>		
12 35 70 13-0001 Modular Casework			<small>(12 35 70 13)</small> Note: Midmark.		
12 35 70 13-0002	EA		36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	915.17	86.73
12 35 70 13-0003	EA		36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,135.12	108.40
12 35 70 13-0004	EA		36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,594.22	86.73
12 35 70 13-0005	EA		36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,830.47	108.40
12 35 70 13-0006	EA		36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,036.04	86.73
12 35 70 13-0007	EA		36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,393.16	108.40
12 35 70 13-0008	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,040.12	86.73
12 35 70 13-0009	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,120.24	86.73
12 35 70 13-0010	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,189.51	86.73
12 35 70 13-0011	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,486.87	108.40
12 35 70 13-0012	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,509.96	108.40
12 35 70 13-0013	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,397.30	86.73
12 35 70 13-0014	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,622.68	108.40
12 35 70 13-0015	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,672.93	108.40
12 35 70 13-0016	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,222.10	86.73
12 35 70 13-0017	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,257.41	86.73
12 35 70 13-0018	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,348.40	86.73
12 35 70 13-0019	EA		36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,248.77	108.40
12 35 70 13-0020	EA		36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,376.43	108.40
12 35 70 13-0021	EA		36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,577.92	86.73
12 35 70 13-0022	EA		36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,671.63	86.73



Furnishings	12	
Casework	12 30	12
Specialty Casework	12 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0023 EA 36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,833.25	86.73
12 35 70 13-0024 EA 84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,204.53	260.17
12 35 70 13-0025 EA 84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	2,942.42	260.17
12 35 70 13-0026 EA Desk Filler Panel (Midmark MC-SDA003-060501)	119.46	21.68
12 35 70 13-0027 EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	665.28	86.73
12 35 70 13-0028 EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	653.06	86.73
12 35 70 13-0029 EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	696.52	86.73
12 35 70 13-0030 EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	754.92	86.73
12 35 70 13-0031 EA 30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	821.46	86.73
12 35 70 13-0032 EA 30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	939.56	108.40
12 35 70 13-0033 EA 30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,019.69	108.40
12 35 70 13-0034 EA 30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,253.28	108.40
12 35 70 13-0035 EA 30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,394.52	108.40
12 35 70 13-0036 LF 19" Self Edge Laminate Countertop With Backsplash	175.23	19.05
12 35 70 13-0037 LF 25" Self Edge Laminate Countertop With Backsplash	342.28	25.39
12 35 70 13-0038 SF Melamine Wall Cabinet Inner Soffit	42.23	15.88

Note: Includes blocking

12 36 Countertops (12 30)

12 36 23 Plastic Countertops (12 36)

12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)

12 36 23 13-0001

Plastic Laminate Countertops (12 36 23 13)

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002 SF Plastic Laminate Countertop Without Backsplash	18.71	12.70
12 36 23 13-0003 SF Plastic Laminate Countertop With 4" Backsplash	25.26	12.70
12 36 23 13-0004 LF Plastic Laminate End Splash For Plastic Laminate Countertops	29.97	3.81
12 36 23 13-0005 EA Cutout For Sink And/or Faucet In Plastic Laminate Countertop	105.82	

12 36 61 Simulated Stone Countertops (12 36)

12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001

Solid Surface Countertops (12 36 61 16)

12 36 61 16-0002

Solid Surface Countertops (12 36 61 16-0001)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 16-0003 SF 1/4" Thick, Solid Color, Solid Surface Backsplash	49.84	8.47
Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
For Up To 50, Add	16.36	
For >50 To 100, Add	9.40	
12 36 61 16-0004 SF 1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash	78.88	12.70
Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
For Up To 50, Add	25.45	
For >50 To 100, Add	15.06	
For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	248.76	
For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	314.54	
For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	229.63	
For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	218.86	
For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	314.54	
For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	314.54	
For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	314.54	
For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	314.54	
For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	283.45	
Note: Single or double bowl.		
For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	492.74	
Note: Single or double bowl.		
For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	660.18	
Note: Single or double bowl.		
For >3 SF Integral Single Basin Kitchen Sink, Add	715.20	
Note: Single or double bowl.		
For >3 SF Integral Double Basin Kitchen Sink, Add	715.20	

12 Furnishings**12 30 Casework****12 36 Countertops**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61	16-0005	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	86.50	12.70
			For Up To 50, Add	27.74	
			For >50 To 100, Add	16.59	
			For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	248.76	
			For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	314.54	
			For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	229.63	
			For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	218.86	
			For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	314.54	
			For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	314.54	
			For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	314.54	
			For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	314.54	
			For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	283.45	
			Note: Single or double bowl.		
			For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	492.74	
			Note: Single or double bowl.		
			For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	660.18	
			Note: Single or double bowl.		
			For >3 SF Integral Single Basin Kitchen Sink, Add	715.20	
			Note: Single or double bowl.		
			For >3 SF Integral Double Basin Kitchen Sink, Add	715.20	
12 36 61	16-0006	LF	1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops	28.64	5.40
12 36 61	16-0007	EA	Cutout For Undercounter Sink In Solid Surface Countertop	190.48	
			Note: Not including integral seamed sinks		

12 36 61 16-0008 Integral Seamless Solid Surface Lavatory (12 36 61 16-0001)
 Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61	16-0009	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810).....	291.94	
12 36 61	16-0010	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	357.72	
12 36 61	16-0011	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	272.81	
12 36 61	16-0012	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	262.04	
12 36 61	16-0013	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	357.72	
12 36 61	16-0014	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	357.72	
12 36 61	16-0015	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	357.72	
12 36 61	16-0016	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837).....	357.72	

12 36 61 16-0017 Integral Seamless Solid Surface Kitchen Sink (12 36 61 16-0001)
 Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61	16-0018	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	385.04	
12 36 61	16-0019	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	594.33	
12 36 61	16-0020	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	761.77	
12 36 61	16-0021	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	816.79	
12 36 61	16-0022	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink.....	816.79	

12 36 61 19 Quartz Agglomerate Countertops (12 36 61)

12 36 61 19-0001 Quartz Agglomerate Countertops (12 36 61 19)
 Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61	19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	118.75	27.94
12 36 61	19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	143.55	27.94
12 36 61	19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	132.79	32.53
12 36 61	19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	157.57	32.53
12 36 61	19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	21.44	5.40
12 36 61	19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop.....	190.48	

12 40 Furnishings and Accessories (12)

12 41 Office Accessories (12 40)

12 41 11 Office Accessories (12 41)

12 41 11 00-0001 Wall Mounted Office Accessories (12 41 11)

12 41 11	00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK).....	26.43	4.53
12 41 11	00-0003	EA	Wall Mounted Flag.....	19.81	4.53

12 41 11 00-0004 Desk Edge Mounted Clamps (12 41 11)

12 41 11	00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels.....	40.13	
			Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and table tops, clamp adjusts to support 1/8" to 3/8" thick panels.		
			For >10 To 50, Deduct	-9.82	
			For >50, Deduct	-15.72	

12 48 Rugs and Mats (12 40)

12 48 13 Entrance Floor Mats and Frames (12 48)



Furnishings	12	
Furnishings and Accessories	12 40	12
Rugs and Mats	12 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

12 48 13 13 Entrance Floor Mats (12 48 13)

12 48 13 13-0001 Floor Mats (12 48 13 13)

12 48 13 13-0002 SF 3/8" Thick Solid Recessable Floor Mat	33.64	2.69
For Colors, Add	5.65	
12 48 13 13-0003 SF 1/2" Thick Solid Recessable Floor Mat	42.33	2.69
For Colors, Add	7.39	
12 48 13 13-0004 SF 3/8" Thick Perforated Recessable Floor Mat	35.81	2.69
For Colors, Add	6.08	
12 48 13 13-0005 SF 1/2" Thick Perforated Recessable Floor Mat	44.50	2.69
For Colors, Add	7.82	

12 48 13 13-0006 Link Mats (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007 SF 3/8" Link Mats, Aluminum	47.76	2.69
12 48 13 13-0008 SF Black Rubber Link Mats With Galvanized Tie Rods	35.27	2.69
12 48 13 13-0009 SF 3/8" Thick, Galvanized Steel Link Mats	22.36	2.69
12 48 13 13-0010 SF Vinyl Link Mats, Color	38.49	2.69
12 48 13 13-0011 LF Rubber Nosing	4.84	1.18

12 48 13 13-0012 Duckboard (12 48 13 13)

12 48 13 13-0013 SF Aluminum Slats	69.46	3.30
12 48 13 13-0014 SF Hardwood Strips On Rubber Base	16.08	3.30
12 48 13 13-0015 SF Assembled With Brass Rods And Vinyl Spacers	17.48	3.30
12 48 13 13-0016 SF Tire Fabric, 3/4" Thick	23.92	3.30
12 48 13 13-0017 SF Vinyl, 36" Wide, Hollow Top And Bottom	21.49	3.30
12 48 13 13-0018 SF Vinyl, 36" Wide, Solid Top And Bottom	33.25	3.30

12 48 13 16 Entrance Floor Mat Frames (12 48 13)

12 48 13 16-0001 Recessed Frames (12 48 13 16)

12 48 13 16-0002 LF Aluminum Recessed Embedded Frame	30.12	5.08
12 48 13 16-0003 LF Bronze Recessed Embedded Frame	24.35	5.08

12 50 Furniture (12)

12 55 Detention Furniture (12 50)

12 55 13 Detention Bunks (12 55)

12 55 13 00-0001 Wall Mounted Single Bunks (12 55 13)

Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002 EA 27" Wide x 80" Long x 12" High Wall Mounted Bunk	523.49	86.83
12 55 13 00-0003 EA 32" Wide x 80" Long x 12" High Wall Mounted Bunk	597.12	86.83
12 55 13 00-0004 EA 38" Wide x 80" Long x 12" High Wall Mounted Bunk	648.66	86.83

12 55 13 00-0005 Floor Supported Single Bunks (12 55 13)

Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.

12 55 13 00-0006 EA 27" Wide x 80" Long x 12" High Floor Mounted Bunk	523.49	86.83
12 55 13 00-0007 EA 32" Wide x 80" Long x 12" High Floor Mounted Bunk	597.12	86.83
12 55 13 00-0008 EA 38" Wide x 80" Long x 12" High Floor Mounted Bunk	648.66	86.83
12 55 13 00-0009 EA Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	982.60	117.74
12 55 13 00-0010 EA >20, Floor Mounted Single Bunk, 75" x 27" x 16" High	833.18	117.74

12 55 13 00-0011 Floor Mounted Single Bunks (12 55 13)

Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.

12 55 13 00-0012 EA 27" Wide x 80" Long x 16" High Floor Mounted Bunk	523.49	86.83
12 55 13 00-0013 EA 32" Wide x 80" Long x 16" High Floor Mounted Bunk	597.12	86.83
12 55 13 00-0014 EA 38" Wide x 80" Long x 16" High Floor Mounted Bunk	648.66	86.83

12 55 13 00-0015 Single Stackable Bunks (12 55 13)

Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.

12 55 13 00-0016 EA 26" Wide x 76" Long x 32" High Stackable Bunk	538.21	86.83
12 55 13 00-0017 EA 31" Wide x 76" Long x 32" High Stackable Bunk	560.30	86.83

12 55 13 00-0018 Double Bunks (12 55 13)

Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.

12 55 13 00-0019 EA 27" Wide x 80" Long x 52" High Double Bunk	949.54	115.78
12 55 13 00-0020 EA 32" Wide x 80" Long x 52" High Double Bunk	964.27	115.78
12 55 13 00-0021 EA 38" Wide x 80" Long x 52" High Double Bunk	1,026.85	115.78
12 55 13 00-0022 EA Double Bunk Bed, 75" x 27", Up To 20	1,548.62	176.61
12 55 13 00-0023 EA Double Bunk Bed, 75" x 27", Over 20	1,399.20	176.61

12 Furnishings**12 50 Furniture****12 55 Detention Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/Beds <small>(12 55 13)</small> Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025 EA 16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer	230.41	43.42
12 55 13 00-0026 EA 24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer	383.46	46.31
12 55 13 00-0027 Expanded Metal Convertible Beds <small>(12 55 13)</small> Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028 EA 27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	539.88	86.83
12 55 13 00-0029 EA 32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	570.42	86.83
12 55 13 00-0030 EA 38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	600.93	86.83
12 55 13 00-0031 EA Adapter Kit For Converting Single Bed To Double Deck	74.70	
12 55 16 Detention Desks <small>(12 55)</small>		
12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat <small>(12 55 16)</small> Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top.....	1,026.25	92.62
12 55 16 00-0003 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	1,298.06	92.62
12 55 16 00-0004 Institutional Desk And Seat <small>(12 55 16)</small>		
12 55 16 00-0005 EA Institutional Desk And Seat, Up To 20	1,281.46	117.74
12 55 16 00-0006 EA Institutional Desk And Seat, Over 20	1,132.03	117.74
12 55 16 00-0007 EA Institutional Desk, Up To 20	1,132.03	117.74
12 55 16 00-0008 EA Institutional Desk, Over 20	982.60	117.74
12 55 19 Detention Stools <small>(12 55)</small>		
12 55 19 00-0001 Heavy Duty Steel Bench <small>(12 55 19)</small> Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002 EA 48" Long x 18" High x 12" Wide Steel Bench.....	503.50	69.47
12 55 19 00-0003 EA 72" Long x 18" High x 12" Wide Steel Bench.....	610.79	75.26
12 55 19 00-0004 EA 96" Long x 18" High x 12" Wide Steel Bench.....	677.48	81.05
12 55 19 00-0005 Stationary Stools <small>(12 55 19)</small> Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006 EA 12" Diameter Stainless Steel Stationary Stool, 18" High.....	380.11	69.47
12 55 19 00-0007 EA Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	342.32	47.09
12 55 19 00-0008 EA Floor Mounted Stool, 8" x 8" x 20"H, Over 20	366.38	47.09
12 55 19 00-0009 EA Wall Mounted Swivel Stool, Up To 20.....	476.36	58.87
12 55 19 00-0010 EA Wall Mounted Swivel Stool, Over 20.....	386.70	58.87
12 55 19 00-0011 Cell Bench <small>(12 55 19)</small> Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012 EA 48" Long x 12" Wide Cell Bench, Red Oak.....	343.75	69.58
12 55 19 00-0013 EA 72" Long x 12" Wide Cell Bench, Red Oak.....	409.08	75.26
12 55 19 00-0014 EA 96" Long x 12" Wide Cell Bench, Red Oak.....	451.57	81.05
12 55 23 Detention Tables <small>(12 55)</small>		
12 55 23 00-0001 Wall Mounted Table And Seat Set <small>(12 55 23)</small> Note: 7 Gauge steel, painted.		
12 55 23 00-0002 EA 18" x 12" Wall Mounted Table And Seat Set.....	268.11	49.21
12 55 23 00-0003 Heavy Duty Picnic Style Table <small>(12 55 23)</small> Note: 10 Gauge steel, painted.		
12 55 23 00-0004 EA 48" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,370.24	86.83
12 55 23 00-0005 EA 72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,749.96	92.62
12 55 23 00-0006 EA 96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,951.43	101.31
12 55 23 00-0007 Heavy Duty Picnic Style Table <small>(12 55 23)</small> Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0008 EA 48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	2,382.66	86.83
12 55 23 00-0009 EA 72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,406.65	92.62
12 55 23 00-0010 EA 96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	3,608.12	101.31
12 55 23 00-0011 Heavy Duty Pedestal Style Table <small>(12 55 23)</small> Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0012 EA 24" Long x 59" Wide x 30" High Steel Pedestal Table	1,212.36	72.36
12 55 23 00-0013 EA 65" Long x 65" Wide x 30" High Steel Pedestal Table	1,978.65	78.15



Furnishings 12

Furniture 12 50

Detention Furniture 12 55

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 23 00-0014 EA 65" Long x 87" Wide x 30" High Steel Pedestal Table	2,934.89	86.83
12 55 23 00-0015 EA 12" Diameter Stainless Steel Replacement Seat	93.22	11.58
12 55 23 00-0016 Heavy Duty Pedestal Style Table (12 55 23)		
Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0017 EA 24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	1,525.30	72.36
12 55 23 00-0018 EA 65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	2,641.33	78.15
12 55 23 00-0019 EA 65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	3,836.87	86.83
12 55 23 00-0020 EA 12" Diameter Gray-Primed Steel Replacement Seats	65.72	11.58
12 55 23 00-0021 EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,058.01	135.40
12 55 23 00-0022 EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,759.16	135.40
12 55 23 00-0023 EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,679.26	147.18
12 55 23 00-0024 EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	2,380.41	147.18
12 55 23 00-0025 EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,898.21	158.95
12 55 23 00-0026 EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,300.51	158.95
12 55 26 Detention Safety Clothes Hooks (12 55)		
12 55 26 00-0001 EA Collapsible Clothes Hook, Screw Type	84.79	27.44
12 55 26 00-0002 EA Collapsible Clothes Hook, Weld-On Type	72.78	23.16
12 55 26 00-0003 EA 8" x 18" Storage Shelf	362.62	46.31
Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004 EA Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	393.04	47.09
12 55 26 00-0005 EA Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	318.33	47.09
12 55 26 00-0006 EA Safety Clothes Hook, Up To 20	157.58	26.49
12 55 26 00-0007 EA Safety Clothes Hook, Over 20	187.31	26.49
12 55 86 Detention Control Room Furniture (12 55)		
12 55 86 00-0001 EA 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount	315.38	102.87
12 55 86 00-0002 EA Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	774.31	88.30
12 55 86 00-0003 EA >20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	699.60	88.30
12 55 86 00-0004 EA Speaking Device With 6" Diameter Stainless Steel Cover Plates	1,863.74	35.33
Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005 EA 1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	805.99	29.43
12 55 86 00-0006 LF 20" Depth, 10 Gauge Steel, Wall Mounted Bench	393.95	17.66
12 55 86 00-0007 LF 20" Depth, 10 Gauge Steel, Floor Mounted Bench	477.71	14.72
12 59 Systems Furniture (12 50)		
12 59 13 Panel-Hung Component System Furniture (12 59)		
12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)		
Note: Excludes electrical wire and wiring devices. See CSI section 26 05 19 13-0001 for wire, 26 05 19 16-0011 for wire, 26 27 26 00-0000 for wiring devices.		
12 59 13 00-0002 EA 34H 24W Fabric Covered Panel - Component Systems Furniture	295.09	23.21
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>54.54</i>
<i>For Acoustical Panel, Add</i>		<i>59.28</i>
<i>For Enameled Surface, Deduct</i>		<i>-23.71</i>
12 59 13 00-0003 EA 34H 30W Fabric Covered Panel - Component Systems Furniture	327.97	25.82
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>60.61</i>
<i>For Acoustical Panel, Add</i>		<i>65.89</i>
<i>For Enameled Surface, Deduct</i>		<i>-26.35</i>
12 59 13 00-0004 EA 34H 36W Fabric Covered Panel - Component Systems Furniture	350.69	27.50
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>64.81</i>
<i>For Acoustical Panel, Add</i>		<i>70.45</i>
<i>For Enameled Surface, Deduct</i>		<i>-28.18</i>
12 59 13 00-0005 EA 34H 48W Fabric Covered Panel - Component Systems Furniture	392.94	30.89
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>72.62</i>
<i>For Acoustical Panel, Add</i>		<i>78.94</i>
<i>For Enameled Surface, Deduct</i>		<i>-31.58</i>
12 59 13 00-0006 EA 42H 24W Fabric Covered Panel - Component Systems Furniture	299.79	23.54
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>55.41</i>
<i>For Acoustical Panel, Add</i>		<i>60.23</i>
<i>For Enameled Surface, Deduct</i>		<i>-24.09</i>
12 59 13 00-0007 EA 42H 30W Fabric Covered Panel - Component Systems Furniture	338.91	26.58
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>62.64</i>
<i>For Acoustical Panel, Add</i>		<i>68.09</i>
<i>For Enameled Surface, Deduct</i>		<i>-27.24</i>
12 59 13 00-0008 EA 42H 36W Fabric Covered Panel - Component Systems Furniture	379.62	29.87
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>70.16</i>
<i>For Acoustical Panel, Add</i>		<i>76.27</i>
<i>For Enameled Surface, Deduct</i>		<i>-30.51</i>
12 59 13 00-0009 EA 42H 48W Fabric Covered Panel - Component Systems Furniture	446.17	35.01
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>82.46</i>
<i>For Acoustical Panel, Add</i>		<i>89.63</i>
<i>For Enameled Surface, Deduct</i>		<i>-35.85</i>
12 59 13 00-0010 EA 62H 12W Fabric Covered Panel - Component Systems Furniture	288.82	22.69
<i>For Tackable Acoustical Barrier Panel, Add</i>		<i>53.38</i>
<i>For Acoustical Panel, Add</i>		<i>58.02</i>
<i>For Enameled Surface, Deduct</i>		<i>-23.21</i>

12 Furnishings

12 50 Furniture

12 59 Systems Furniture



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0011 EA 62H 24W Fabric Covered Panel - Component Systems Furniture.....	355.37	27.92
For Tackable Acoustical Barrier Panel, Add	65.68	
For Acoustical Panel, Add	71.39	
For Enameled Surface, Deduct	-28.56	
12 59 13 00-0012 EA 62H 36W Fabric Covered Panel - Component Systems Furniture.....	444.63	34.93
For Tackable Acoustical Barrier Panel, Add	82.17	
For Acoustical Panel, Add	89.32	
For Enameled Surface, Deduct	-35.73	
12 59 13 00-0013 EA 62H 48W Fabric Covered Panel - Component Systems Furniture.....	532.26	41.77
For Tackable Acoustical Barrier Panel, Add	98.38	
For Acoustical Panel, Add	106.93	
For Enameled Surface, Deduct	-42.77	
12 59 13 00-0014 EA 34" Draw Rod Panel Connector Hardware	16.11	1.26
12 59 13 00-0015 EA 42" Draw Rod Panel Connector Hardware	16.11	1.26
12 59 13 00-0016 EA 62" Draw Rod Panel Connector Hardware	17.18	1.34
12 59 13 00-0017 EA 34" Two-Way 90 Degree Panel Connector Hardware.....	74.13	5.82
12 59 13 00-0018 EA 42" Two-Way 90 Degree Panel Connector Hardware.....	85.95	6.75
12 59 13 00-0019 EA 62" Two-Way 90 Degree Panel Connector Hardware.....	98.84	7.76
12 59 13 00-0020 EA 34" Three-Way 90 Degree Panel Connector Hardware.....	114.96	9.02
12 59 13 00-0021 EA 42" Three-Way 90 Degree Panel Connector Hardware.....	133.22	10.46
12 59 13 00-0022 EA 62" Three-Way 90 Degree Panel Connector Hardware.....	154.71	12.15
12 59 13 00-0023 EA 34" Four-Way 90 Degree Panel Connector Hardware.....	145.04	11.39
12 59 13 00-0024 EA 42" Four-Way 90 Degree Panel Connector Hardware.....	169.75	13.33
12 59 13 00-0025 EA 62" Four-Way 90 Degree Panel Connector Hardware.....	204.13	16.03
12 59 13 00-0026 EA 34" Panel End Cap Hardware.....	24.72	1.94
12 59 13 00-0027 EA 42" Panel End Cap Hardware.....	27.94	2.20
12 59 13 00-0028 EA 62" Panel End Cap Hardware.....	30.08	2.36
12 59 13 00-0029 EA 28" Variable Height Panel End Filler.....	27.25	2.20
Note: Field cut to appropriate length.		
12 59 13 00-0030 EA Two-Way Trim Cover For Cable Management Raceway.....	14.03	1.09
12 59 13 00-0031 EA Three-Way Trim Cover For Cable Management Raceway.....	14.80	1.18
12 59 13 00-0032 EA Four-Way Trim Cover For Cable Management Raceway.....	17.12	1.34
12 59 13 00-0033 EA Finished End Trim Cover For Cable Management Raceway.....	14.03	1.09
12 59 13 00-0034 EA 12" Cable Management Raceway Assembly.....	28.82	2.28
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035 EA 24" Cable Management Raceway Assembly.....	32.72	2.53
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036 EA 30" Cable Management Raceway Assembly.....	33.48	2.62
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037 EA 36" Cable Management Raceway Assembly.....	37.39	2.95
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038 EA 48" Cable Management Raceway Assembly.....	42.05	3.29
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039 EA 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	226.21	17.72
12 59 13 00-0040 EA 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	278.66	21.85
12 59 13 00-0041 EA 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	263.01	20.67
12 59 13 00-0042 EA 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	328.76	25.82
12 59 13 00-0043 EA 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	331.88	26.07
12 59 13 00-0044 EA 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	418.00	32.90
12 59 13 00-0045 EA 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	403.11	31.64
12 59 13 00-0046 EA 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	506.41	39.74
12 59 13 00-0047 EA 30" x 60" Radiused Edge Table.....	899.60	70.70
12 59 13 00-0048 EA 30" x 72" Radiused Edge Table.....	983.07	77.29
12 59 13 00-0049 EA 14" x 24" Radiused Edge Transaction Surface.....	108.02	8.52
12 59 13 00-0050 EA 14" x 36" Radiused Edge Transaction Surface.....	122.88	9.62
12 59 13 00-0051 EA 14" x 48" Radiused Edge Transaction Surface.....	137.77	10.80
12 59 13 00-0052 EA 14" x 60" Radiused Edge Transaction Surface.....	171.41	13.50
12 59 13 00-0053 EA 14" x 72" Radiused Edge Transaction Surface.....	205.85	16.20
12 59 13 00-0054 EA 14" Right Angle Corner Transaction Surface.....	360.07	28.27
12 59 13 00-0055 EA Transaction Surface Support.....	28.53	2.24
12 59 13 00-0056 EA Plastic Pencil Drawer.....	31.26	2.20
12 59 13 00-0057 EA 15-1/2" x 24" Hanging Shelf.....	105.17	8.27
12 59 13 00-0058 EA 15-1/2" x 36" Hanging Shelf.....	114.50	8.94
12 59 13 00-0059 EA 15-1/2" x 48" Hanging Shelf.....	122.29	9.62
12 59 13 00-0060 EA 24" Flipper Door - Top And Front Closure.....	181.48	14.26
Note: Used with hanging shelf.		
12 59 13 00-0061 EA 36" Flipper Door - Top And Front Closure.....	211.87	16.70
Note: Used with hanging shelf.		
12 59 13 00-0062 EA 48" Flipper Door - Top And Front Closure.....	243.02	19.07
Note: Used with hanging shelf.		
12 59 13 00-0063 EA 24" Suspended Lateral File, Lockable.....	625.89	48.89
12 59 13 00-0064 EA 30" Suspended Lateral File, Lockable.....	661.06	51.64
12 59 13 00-0065 EA 36" Suspended Lateral File, Lockable.....	697.52	54.48
12 59 13 00-0066 EA 48" Suspended Lateral File, Lockable.....	762.88	59.59
12 59 13 00-0067 EA Fully Adjustable Vinyl Keyboard Tray.....	283.55	22.27
12 59 13 00-0068 EA Palm Rest For Vinyl Keyboard Tray.....	44.39	3.54
12 59 13 00-0069 EA 24" x 36" Radiused Edge Corner Work Surface.....	358.22	28.19
12 59 13 00-0070 EA File Drawer Organizer.....	115.29	9.02
12 59 13 00-0071 EA Suspended Lateral File Converter Bracket.....	24.93	1.94
12 59 13 00-0072 EA Utility Task Light.....	124.63	9.79



Furnishings			12
Furniture			12 50
Systems Furniture			12 59

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0073 Disassemble And Store Systems Furniture Components <small>(12 59 13)</small>				
12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel.....	29.00	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel.....	32.22	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel.....	34.46	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel.....	38.60	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel.....	29.45	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel.....	33.30	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel.....	37.30	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel.....	43.83	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel.....	28.38	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel.....	34.92	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel.....	43.68	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel.....	52.30	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware.....	1.59	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware.....	1.59	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware.....	1.69	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware.....	7.29	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware.....	8.44	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware.....	9.72	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware.....	11.29	
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	13.09	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	15.20	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	14.25	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	16.68	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	20.05	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware.....	2.43	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware.....	2.74	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware.....	2.95	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler.....	2.68	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway.....	1.38	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway.....	1.46	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway.....	1.69	
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	1.38	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly.....	2.83	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly.....	3.21	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly.....	3.29	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly.....	3.67	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly.....	4.14	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	22.22	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	27.38	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	25.85	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	32.30	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	32.61	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	41.07	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	39.61	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	49.77	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table.....	76.85	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table.....	96.57	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	10.61	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	12.08	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	13.54	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	16.84	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	20.23	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface.....	35.38	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support.....	2.79	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer.....	2.76	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf.....	10.33	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf.....	11.25	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf.....	12.01	
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf.....	17.83	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf.....	20.82	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf.....	23.88	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File.....	61.12	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File.....	64.54	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File.....	68.10	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File.....	74.50	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	27.86	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface.....	35.20	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light.....	12.25	
12 59 13 00-0142 Reconfigure Systems Furniture Components <small>(12 59 13)</small>				
12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel.....	30.92	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel.....	34.36	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel.....	36.74	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel.....	41.16	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel.....	31.41	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel.....	35.50	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel.....	39.77	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel.....	46.73	

12 Furnishings
12 50 Furniture
 12 59 Systems Furniture



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59	13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel.....	30.26	
12 59	13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel.....	37.23	
12 59	13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel.....	46.57	
12 59	13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel.....	55.76	
12 59	13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware.....	1.69	
12 59	13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware.....	1.69	
12 59	13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware.....	1.80	
12 59	13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware.....	7.77	
12 59	13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware.....	9.00	
12 59	13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware.....	10.36	
12 59	13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	12.04	
12 59	13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	13.95	
12 59	13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	16.21	
12 59	13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	15.20	
12 59	13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	17.79	
12 59	13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	21.38	
12 59	13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware.....	2.59	
12 59	13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware.....	2.93	
12 59	13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware.....	3.15	
12 59	13 00-0170	EA	Reconfigure Variable Height Panel End Filler.....	2.85	
12 59	13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway.....	1.47	
12 59	13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway.....	1.55	
12 59	13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway.....	1.80	
12 59	13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.47	
12 59	13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly.....	3.02	
12 59	13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly.....	3.43	
12 59	13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly.....	3.51	
12 59	13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly.....	3.91	
12 59	13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly.....	4.41	
12 59	13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	23.70	
12 59	13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	29.19	
12 59	13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	27.55	
12 59	13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	34.44	
12 59	13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	34.77	
12 59	13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	43.79	
12 59	13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	42.23	
12 59	13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	53.05	
12 59	13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table.....	94.25	
12 59	13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table.....	102.99	
12 59	13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	11.31	
12 59	13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	12.87	
12 59	13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	14.43	
12 59	13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	17.96	
12 59	13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	21.56	
12 59	13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface.....	37.72	
12 59	13 00-0196	EA	Reconfigure Transaction Surface Support.....	2.98	
12 59	13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf.....	11.02	
12 59	13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf.....	11.99	
12 59	13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf.....	12.81	
12 59	13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf.....	19.01	
12 59	13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf.....	22.19	
12 59	13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf.....	25.46	
12 59	13 00-0203	EA	Reconfigure 24" Suspended Lateral File.....	65.19	
12 59	13 00-0204	EA	Reconfigure 30" Suspended Lateral File.....	68.86	
12 59	13 00-0205	EA	Reconfigure 36" Suspended Lateral File.....	72.65	
12 59	13 00-0206	EA	Reconfigure 48" Suspended Lateral File.....	79.47	
12 59	13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	37.53	

12 60 Multiple Seating (12)

12 61 Fixed Audience Seating (12 60)

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating (12 61)

12 61 13 00-0001 Upholstered Audience Seating (12 61 13)

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	615.69	52.47
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-75.24	
		For >249 To 749, Deduct	-90.29	
		For >749, Deduct	-100.32	
		For Up To 9, Add	817.62	
		For >9 To 24, Add	326.05	
		For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
		For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	



Furnishings	12
Multiple Seating	12 60
Fixed Audience Seating	12 61

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0003 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	648.15	52.47
Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
For >100 To 249, Deduct	-80.11	
For >249 To 749, Deduct	-96.13	
For >749, Deduct	-106.81	
For Up To 9, Add	817.13	
For >9 To 24, Add	325.78	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 13 00-0004 EA Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	795.40	52.47
Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-102.20	
For >249 To 749, Deduct	-122.64	
For >749, Deduct	-136.26	
For Up To 9, Add	817.58	
For >9 To 24, Add	327.03	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 13 00-0005 EA Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	828.29	52.47
Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
For >100 To 249, Deduct	-107.13	
For >249 To 749, Deduct	-128.56	
For >749, Deduct	-142.84	
For Up To 9, Add	814.20	
For >9 To 24, Add	328.54	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 13 00-0006 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	538.54	52.47
Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-63.67	
For >249 To 749, Deduct	-76.40	
For >749, Deduct	-84.89	
For Up To 9, Add	819.21	
For >9 To 24, Add	326.83	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 13 00-0007 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	545.02	52.47
Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-64.64	
For >249 To 749, Deduct	-77.57	
For >749, Deduct	-86.19	
For Up To 9, Add	818.79	
For >9 To 24, Add	327.51	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 13 00-0008 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	572.90	52.47
Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
For >100 To 249, Deduct	-68.82	
For >249 To 749, Deduct	-82.59	
For >749, Deduct	-91.76	
For Up To 9, Add	816.70	
For >9 To 24, Add	325.76	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	

12 61 16 Molded-Plastic Audience Seating (12 61)

12 61 16 00-0001 Molded-Plastic Audience Seating (12 61 16)

12 Furnishings**12 60 Multiple Seating****12 61 Fixed Audience Seating**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 16 00-0002 EA Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	408.17	52.47
Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
For >100 To 249, Deduct	-44.11	
For >249 To 749, Deduct	-52.94	
For >749, Deduct	-58.82	
For Up To 9, Add	805.81	
For >9 To 24, Add	323.50	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 16 00-0003 EA Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30).....	457.21	52.47
Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
For >100 To 249, Deduct	-51.47	
For >249 To 749, Deduct	-61.76	
For >749, Deduct	-68.63	
For Up To 9, Add	806.36	
For >9 To 24, Add	322.54	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 19 Plywood/Hardwood Audience Seating (12 61)		
12 61 19 00-0001 Plywood/Hardwood Audience Seating (12 61 19)		
12 61 19 00-0002 EA Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4).....	646.22	52.47
Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
For >100 To 249, Deduct	-79.82	
For >249 To 749, Deduct	-95.79	
For >749, Deduct	-106.43	
For Up To 9, Add	846.10	
For >9 To 24, Add	340.57	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 19 00-0003 EA Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4).....	672.54	52.47
Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
For >100 To 249, Deduct	-83.77	
For >249 To 749, Deduct	-100.52	
For >749, Deduct	-111.69	
For Up To 9, Add	809.77	
For >9 To 24, Add	323.91	
For Expansion Anchor Mounting With Anchor Caps, Add	29.06	
For Epoxy Anchor Mounting With Anchor Caps, Add	34.51	
12 61 21 Fixed Audience Seating Accessories (12 61)		
12 61 21 00-0001 Fixed Audience Seating Accessories (12 61 21)		
12 61 21 00-0002 EA 100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	210.13	
For >100 To 249, Deduct	-29.81	
For >249 To 749, Deduct	-35.77	
For >749, Deduct	-39.75	
12 61 21 00-0003 EA 120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	213.95	
For >100 To 249, Deduct	-30.38	
For >249 To 749, Deduct	-36.46	
For >749, Deduct	-40.51	
12 61 21 00-0004 EA 151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	223.92	
For >100 To 249, Deduct	-31.88	
For >249 To 749, Deduct	-38.25	
For >749, Deduct	-42.50	
12 61 21 00-0005 EA 98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	210.13	
For >100 To 249, Deduct	-29.81	
For >249 To 749, Deduct	-35.77	
For >749, Deduct	-39.75	
12 61 21 00-0006 EA 105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	224.76	
For >100 To 249, Deduct	-32.00	
For >249 To 749, Deduct	-38.40	
For >749, Deduct	-42.67	
12 61 21 00-0007 EA Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	17.13	

12 62 Portable-Audience Seating (12 60)**12 62 23 Portable Bleachers (12 62)**

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable (12 62 23)

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)



Furnishings	12	12
Multiple Seating	12 60	
Portable-Audience Seating	12 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0003 SEA 2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat..... <i>For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure</i> <i>For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure</i>	144.21 165.00 335.00	4.51
12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001) Note: Includes side and back fence.		
12 62 23 00-0005 SEA 5 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	189.60 35.00	4.51
12 62 23 00-0006 SEA 6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	216.16 35.00	4.73
12 62 23 00-0007 SEA 11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	225.65 35.00	4.97
12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001) Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009 SEA 5 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	297.00 35.00	5.08
12 62 23 00-0010 SEA 6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	339.60 35.00	5.33
12 62 23 00-0011 SEA 11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	368.37 35.00	5.64

END OF SECTION 12

12	12	Furnishings
	12 60	Multiple Seating
	12 62	Portable-Audience Seating



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	-----	-------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



Special Construction	13
Special Facility Components	13 10
Swimming Pools	13 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

13 Special Construction

13 10 Special Facility Components ⁽¹³⁾

13 11 Swimming Pools ^(13 10)

13 11 46 Swimming Pool Accessories ^(13 11)

13 11 46 00-0001 Diving Stand ^(13 11 46)

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	32,526.14	3,175.90
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	39,945.62	3,175.90
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	19,321.62	1,270.36
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	24,856.85	1,270.36
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	7,116.89	589.44

13 11 46 00-0007 Diving Boards ^(13 11 46)

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....	6,953.51	470.03
		<i>For Wheel Adjuster, Add</i>	121.98	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....	5,811.21	470.03
		<i>For Wheel Adjuster, Add</i>	121.98	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....	3,194.34	390.00
		<i>For Wheel Adjuster, Add</i>	113.08	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....	4,199.43	416.68
		<i>For Wheel Adjuster, Add</i>	116.03	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....	5,182.47	444.63
		<i>For Wheel Adjuster, Add</i>	119.11	

13 11 46 00-0013 Heavy Duty Ladders ^(13 11 46)

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	1,750.35	181.66
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	2,854.80	181.66
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	2,009.06	209.61
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	3,515.27	209.61

13 11 46 00-0018 Lifeguard Chair ^(13 11 46)

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	4,515.20	470.03
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	6,425.25	470.03

13 11 46 00-0021 Underwater Lights ^(13 11 46)

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	559.84	192.52
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	551.81	192.52

13 11 46 00-0024 Pool Covers ^(13 11 46)

Note: Includes cover straps and tension springs.				
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....	14.19	5.90
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....	14.40	5.90

13 11 46 00-0027 Slides With Water Tube ^(13 11 46)

13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide.....	5,605.14	714.58
------------------	----	---	----------	--------

13 11 46 00-0029 Curved Slides With Water Tube ^(13 11 46)

13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water.....	10,747.68	972.20
------------------	----	--	-----------	--------

13 12 Fountains ^(13 10)

13 12 13 Exterior Fountains ^(13 12)

13 12 13 00-0001 Fountains/Aerators ^(13 12 13)

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,475.65	222.96
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,724.74	227.86
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,762.14	233.37
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,894.38	238.89
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	3,028.08	245.01
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....	6,311.47	251.13
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....	7,204.62	257.88
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....	7,979.39	264.61
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....	10,058.05	271.96
13 12 13 00-0011	EA	Aerator Nozzle.....	951.31	122.50

13	13 Special Construction
	13 20 Special Purpose Rooms
	13 12 Fountains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13 21 26 Cold Storage Rooms ^(13 21)

13 21 26 13 Walk-in Coolers ^(13 21 26)
See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 16 Grandstands and Bleachers ^(13 34)

13 34 16 13 Grandstands ^(13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame ^(13 34 16 13)

13 34 16 13-0002 3 To 15 Tiers ^(13 34 16 13-0001)

13 34 16 13-0003 SEA 3-15 Tier Permanent Grandstand Price Per Seat84.09 9.02

13 34 16 13-0004 16 To 30 Tiers ^(13 34 16 13-0001)

13 34 16 13-0005 SEA 16-30 Tier Permanent Grandstand Price Per Seat127.85 10.15

13 34 19 Metal Building Systems ^(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004 GSF 10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....30.35 7.87

- For 20' To 29' In Length Only, Add 3.58
- For 30' To 49' In Length Only, Add 2.82
- For 50' To 69' In Length Only, Add 1.65
- For 70' To 99' In Length Only, Add 0.68
- For >1 In 12 Slope To 3 In 12 Slope, Add 0.91
- For >3 In 12 Slope To 5 In 12 Slope, Add 1.52
- For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 2.28
- For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 2.96
- For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 3.64
- For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 5.77
- For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 7.28
- For Single Slope Frame Roof, Add 1.89
- For Each SF Of 24 Gauge Wall Panel, Add 0.88
- For Each SF Of Lap Roof, Deduct -0.76
- For Each SF Of Hip Roof, Add 1.08
- For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97

13 34 19 00-0005 GSF 12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....32.48 8.65

- For 20' To 29' In Length Only, Add 3.69
- For 30' To 49' In Length Only, Add 2.90
- For 50' To 69' In Length Only, Add 1.70
- For 70' To 99' In Length Only, Add 0.70
- For >1 In 12 Slope To 3 In 12 Slope, Add 0.97
- For >3 In 12 Slope To 5 In 12 Slope, Add 1.62
- For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 2.44
- For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 3.17
- For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 3.90
- For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 6.17
- For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 7.80
- For Single Slope Frame Roof, Add 1.94
- For Each SF Of 24 Gauge Wall Panel, Add 0.94
- For Each SF Of Lap Roof, Deduct -0.76
- For Each SF Of Hip Roof, Add 1.17
- For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006 GSF 14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	34.85	9.54
For 20' To 29' In Length Only, Add	3.79	
For 30' To 49' In Length Only, Add	2.98	
For 50' To 69' In Length Only, Add	1.74	
For 70' To 99' In Length Only, Add	0.72	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.05	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.36	
For Single Slope Frame Roof, Add	2.00	
For Each SF Of 24 Gauge Wall Panel, Add	1.00	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.28	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007 GSF 16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.50	10.43
For 20' To 29' In Length Only, Add	3.97	
For 30' To 49' In Length Only, Add	3.12	
For 50' To 69' In Length Only, Add	1.82	
For 70' To 99' In Length Only, Add	0.75	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.13	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.88	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.81	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.13	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.00	
For Single Slope Frame Roof, Add	2.09	
For Each SF Of 24 Gauge Wall Panel, Add	1.08	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008 GSF 18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	40.24	11.32
For 20' To 29' In Length Only, Add	4.18	
For 30' To 49' In Length Only, Add	3.28	
For 50' To 69' In Length Only, Add	1.92	
For 70' To 99' In Length Only, Add	0.79	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.21	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.92	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.83	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.66	
For Single Slope Frame Roof, Add	2.20	
For Each SF Of 24 Gauge Wall Panel, Add	1.15	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009 GSF 20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	44.37	12.16
For 20' To 29' In Length Only, Add	4.82	
For 30' To 49' In Length Only, Add	3.79	
For 50' To 69' In Length Only, Add	2.21	
For 70' To 99' In Length Only, Add	0.91	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.33	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.22	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.33	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.33	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.32	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.43	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.65	
For Single Slope Frame Roof, Add	2.54	
For Each SF Of 24 Gauge Wall Panel, Add	1.28	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.61	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	49.76	13.94
For 20' To 29' In Length Only, Add	5.24	
For 30' To 49' In Length Only, Add	4.11	
For 50' To 69' In Length Only, Add	2.41	
For 70' To 99' In Length Only, Add	0.99	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.49	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.73	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.85	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	9.45	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	11.94	
For Single Slope Frame Roof, Add	2.76	
For Each SF Of 24 Gauge Wall Panel, Add	1.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.83	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0011	>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0002)</small>		
13 34 19 00-0012	GSF 10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.87	6.25
	For 30' To 49' In Length Only, Add	2.63	
	For 50' To 69' In Length Only, Add	1.54	
	For 70' To 99' In Length Only, Add	0.63	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.78	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.29	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.94	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.52	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.10	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.92	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.21	
	For Single Slope Frame Roof, Add	1.76	
	For Each SF Of 24 Gauge Wall Panel, Add	0.76	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.88	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013	GSF 12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.58	6.83
	For 30' To 49' In Length Only, Add	2.71	
	For 50' To 69' In Length Only, Add	1.58	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.38	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.07	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.69	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.31	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.24	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.62	
	For Single Slope Frame Roof, Add	1.81	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.95	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014	GSF 14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.04	7.39
	For 30' To 49' In Length Only, Add	2.76	
	For 50' To 69' In Length Only, Add	1.62	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.87	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.45	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.18	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.83	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.48	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.52	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.97	
	For Single Slope Frame Roof, Add	1.85	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.02	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015	GSF 16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.17	8.05
	For 30' To 49' In Length Only, Add	2.91	
	For 50' To 69' In Length Only, Add	1.70	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.04	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.74	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.92	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.48	
	For Single Slope Frame Roof, Add	1.95	
	For Each SF Of 24 Gauge Wall Panel, Add	0.91	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.10	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016	GSF 18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	33.78	8.65
	For 30' To 49' In Length Only, Add	3.19	
	For 50' To 69' In Length Only, Add	1.87	
	For 70' To 99' In Length Only, Add	0.77	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.01	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.69	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.53	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.29	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.05	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.42	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.11	
	For Single Slope Frame Roof, Add	2.14	
	For Each SF Of 24 Gauge Wall Panel, Add	0.99	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.17	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.16	9.23
For 30' To 49' In Length Only, Add	3.39	
For 50' To 69' In Length Only, Add	1.98	
For 70' To 99' In Length Only, Add	0.82	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.08	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.71	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.53	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.34	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.87	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.68	
For Single Slope Frame Roof, Add	2.27	
For Each SF Of 24 Gauge Wall Panel, Add	1.06	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.26	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	39.57	10.43
For 30' To 49' In Length Only, Add	3.58	
For 50' To 69' In Length Only, Add	2.10	
For 70' To 99' In Length Only, Add	0.86	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.19	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.98	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.86	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.75	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.50	
For Single Slope Frame Roof, Add	2.40	
For Each SF Of 24 Gauge Wall Panel, Add	1.15	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
<small>(13 34 19 00-0002)</small>		
13 34 19 00-0020 GSF 10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.10	4.35
For 30' To 49' In Length Only, Add	2.30	
For 50' To 69' In Length Only, Add	1.35	
For 70' To 99' In Length Only, Add	0.55	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.51	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.96	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.41	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.82	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.82	
For Single Slope Frame Roof, Add	1.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.92	4.57
For 30' To 49' In Length Only, Add	2.37	
For 50' To 69' In Length Only, Add	1.39	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.57	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.04	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.51	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.97	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.02	
For Single Slope Frame Roof, Add	1.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.63	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.67	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022 GSF 14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.73	4.79
For 30' To 49' In Length Only, Add	2.44	
For 50' To 69' In Length Only, Add	1.43	
For 70' To 99' In Length Only, Add	0.59	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.12	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.13	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.22	
For Single Slope Frame Roof, Add	1.64	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.70	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.05	5.54
	For 30' To 49' In Length Only, Add	2.58	
	For 50' To 69' In Length Only, Add	1.51	
	For 70' To 99' In Length Only, Add	0.62	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.80	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.57	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.77	
	For Single Slope Frame Roof, Add	1.73	
	For Each SF Of 24 Gauge Wall Panel, Add	0.72	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.79	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.87	6.16
	For 30' To 49' In Length Only, Add	2.67	
	For 50' To 69' In Length Only, Add	1.56	
	For 70' To 99' In Length Only, Add	0.64	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.78	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.29	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.94	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.52	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.10	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.92	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.21	
	For Single Slope Frame Roof, Add	1.79	
	For Each SF Of 24 Gauge Wall Panel, Add	0.77	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.87	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.60	6.80
	For 30' To 49' In Length Only, Add	2.74	
	For 50' To 69' In Length Only, Add	1.60	
	For 70' To 99' In Length Only, Add	0.66	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.38	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.07	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.69	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.31	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.24	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.62	
	For Single Slope Frame Roof, Add	1.84	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.94	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.78	7.69
	For 30' To 49' In Length Only, Add	3.00	
	For 50' To 69' In Length Only, Add	1.76	
	For 70' To 99' In Length Only, Add	0.72	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.92	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.54	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.31	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.00	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.85	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.39	
	For Single Slope Frame Roof, Add	2.01	
	For Each SF Of 24 Gauge Wall Panel, Add	0.90	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.06	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0029	GSF 10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.25	6.25
	For 20' To 29' In Length Only, Add	3.45	
	For 30' To 49' In Length Only, Add	2.71	
	For 50' To 69' In Length Only, Add	1.59	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.31	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.97	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.56	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.99	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.30	
	For Each SF Of 24 Gauge Wall Panel, Add	0.78	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.88	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030 GSF 12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.22	6.83
For 20' To 29' In Length Only, Add	3.65	
For 30' To 49' In Length Only, Add	2.86	
For 50' To 69' In Length Only, Add	1.68	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.85	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.41	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.12	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.75	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.36	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.77	
For Each SF Of 24 Gauge Wall Panel, Add	0.83	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.95	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031 GSF 14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	30.13	7.39
For 20' To 29' In Length Only, Add	3.83	
For 30' To 49' In Length Only, Add	3.01	
For 50' To 69' In Length Only, Add	1.76	
For 70' To 99' In Length Only, Add	0.73	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.90	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.51	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.26	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.62	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.23	
For Each SF Of 24 Gauge Wall Panel, Add	0.89	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.02	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	32.62	8.05
For 20' To 29' In Length Only, Add	4.11	
For 30' To 49' In Length Only, Add	3.23	
For 50' To 69' In Length Only, Add	1.89	
For 70' To 99' In Length Only, Add	0.78	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.98	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.63	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.45	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.18	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.20	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.83	
For Each SF Of 24 Gauge Wall Panel, Add	0.96	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.10	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	34.80	8.67
For 20' To 29' In Length Only, Add	4.33	
For 30' To 49' In Length Only, Add	3.40	
For 50' To 69' In Length Only, Add	1.99	
For 70' To 99' In Length Only, Add	0.82	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.04	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.39	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.61	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.35	
For Each SF Of 24 Gauge Wall Panel, Add	1.02	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.18	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0034 GSF 20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	36.96	9.30
For 20' To 29' In Length Only, Add	4.55	
For 30' To 49' In Length Only, Add	3.57	
For 50' To 69' In Length Only, Add	2.09	
For 70' To 99' In Length Only, Add	0.86	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.11	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.77	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.87	
For Each SF Of 24 Gauge Wall Panel, Add	1.08	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.26	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
13 34 19 00-0035	GSF	24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	41.44		10.61
		For 20' To 29' In Length Only, Add	4.98		
		For 30' To 49' In Length Only, Add	3.91		
		For 50' To 69' In Length Only, Add	2.29		
		For 70' To 99' In Length Only, Add	0.94		
		For >1 In 12 Slope To 3 In 12 Slope, Add	1.24		
		For >3 In 12 Slope To 5 In 12 Slope, Add	2.07		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.11		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.04		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.97		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.87		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.95		
		For Each SF Of 24 Gauge Wall Panel, Add	1.21		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	1.42		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0036		>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings			
		(13 34 19 00-0027)			
13 34 19 00-0037	GSF	10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.66		5.54
		For 30' To 49' In Length Only, Add	2.49		
		For 50' To 69' In Length Only, Add	1.46		
		For 70' To 99' In Length Only, Add	0.60		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.71		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.18		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.77		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.31		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.84		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.50		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.68		
		For Each SF Of 24 Gauge Wall Panel, Add	0.70		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.79		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0038	GSF	12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.26		6.05
		For 30' To 49' In Length Only, Add	2.60		
		For 50' To 69' In Length Only, Add	1.52		
		For 70' To 99' In Length Only, Add	0.63		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.76		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.26		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.89		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.46		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.03		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.80		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.06		
		For Each SF Of 24 Gauge Wall Panel, Add	0.75		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.85		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0039	GSF	14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.86		6.56
		For 30' To 49' In Length Only, Add	2.70		
		For 50' To 69' In Length Only, Add	1.58		
		For 70' To 99' In Length Only, Add	0.65		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.81		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.34		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.01		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.62		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.10		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.45		
		For Each SF Of 24 Gauge Wall Panel, Add	0.79		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.92		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.58		7.03
		For 30' To 49' In Length Only, Add	2.84		
		For 50' To 69' In Length Only, Add	1.66		
		For 70' To 99' In Length Only, Add	0.68		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.86		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.43		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.14		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.79		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.43		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.43		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.86		
		For Each SF Of 24 Gauge Wall Panel, Add	0.84		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.97		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041 GSF 18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	30.31	7.54
For 30' To 49' In Length Only, Add	2.97	
For 50' To 69' In Length Only, Add	1.74	
For 70' To 99' In Length Only, Add	0.72	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.91	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.52	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.27	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.96	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.27	
For Each SF Of 24 Gauge Wall Panel, Add	0.89	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.04	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	32.03	8.05
For 30' To 49' In Length Only, Add	3.10	
For 50' To 69' In Length Only, Add	1.81	
For 70' To 99' In Length Only, Add	0.75	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.96	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.60	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.12	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.84	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.69	
For Each SF Of 24 Gauge Wall Panel, Add	0.94	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.10	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	35.89	9.18
For 30' To 49' In Length Only, Add	3.39	
For 50' To 69' In Length Only, Add	1.98	
For 70' To 99' In Length Only, Add	0.82	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.08	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.79	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.69	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.50	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.31	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.82	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.61	
For Each SF Of 24 Gauge Wall Panel, Add	1.05	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.24	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0045 GSF 10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.46	4.35
For 30' To 49' In Length Only, Add	2.38	
For 50' To 69' In Length Only, Add	1.39	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.53	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.99	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.89	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.91	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046 GSF 12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.57	4.65
For 30' To 49' In Length Only, Add	2.48	
For 50' To 69' In Length Only, Add	1.45	
For 70' To 99' In Length Only, Add	0.60	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.59	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.10	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.18	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.68	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047 GSF 14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.66	4.94
For 30' To 49' In Length Only, Add	2.57	
For 50' To 69' In Length Only, Add	1.50	
For 70' To 99' In Length Only, Add	0.62	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.70	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.21	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.31	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.44	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.71	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048 GSF 16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.83	5.25
For 30' To 49' In Length Only, Add	2.68	
For 50' To 69' In Length Only, Add	1.57	
For 70' To 99' In Length Only, Add	0.65	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.72	
For Each SF Of 24 Gauge Wall Panel, Add	0.72	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.75	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049 GSF 18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.32	5.60
For 30' To 49' In Length Only, Add	2.83	
For 50' To 69' In Length Only, Add	1.66	
For 70' To 99' In Length Only, Add	0.68	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.27	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.90	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.04	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.81	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.08	
For Each SF Of 24 Gauge Wall Panel, Add	0.76	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.80	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050 GSF 20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.64	5.90
For 30' To 49' In Length Only, Add	2.98	
For 50' To 69' In Length Only, Add	1.74	
For 70' To 99' In Length Only, Add	0.72	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.00	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.20	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.06	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.39	
For Each SF Of 24 Gauge Wall Panel, Add	0.80	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.83	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051 GSF 24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.74	6.71
For 30' To 49' In Length Only, Add	3.27	
For 50' To 69' In Length Only, Add	1.91	
For 70' To 99' In Length Only, Add	0.79	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.89	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.49	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.23	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.90	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.14	
For Each SF Of 24 Gauge Wall Panel, Add	0.89	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.93	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.54	5.13
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.74	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.98	5.49
For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.72	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.24	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.37	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.52	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.78	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.13	5.78
For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.90	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.79	
For Each SF Of 24 Gauge Wall Panel, Add	0.71	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.82	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	25.28	6.08
For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.26	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.90	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.46	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.03	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.80	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.07	
For Each SF Of 24 Gauge Wall Panel, Add	0.75	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.85	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	27.38	6.60
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.67	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.20	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.57	
For Each SF Of 24 Gauge Wall Panel, Add	0.81	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.92	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0052)		
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.92	4.53
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.78	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.78	
For Each SF Of 24 Gauge Wall Panel, Add	0.59	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.66	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.20	4.83
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.64	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.06	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.59	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.07	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.54	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.03	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.09	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.63	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.70	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.36	5.13
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.67	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.12	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.68	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.18	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.68	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.25	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.37	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.67	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.74	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.35	5.36
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.70	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.17	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.75	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.28	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.80	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.44	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.60	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.70	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.77	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	25.29	5.84
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.76	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.26	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.90	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.47	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.03	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.81	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.07	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.75	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.83	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0065		>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0052)</small>		
13 34	19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.42	4.00
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.55	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.92	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.38	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.80	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.21	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.50	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.42	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.55	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.60	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.30	4.18
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.58	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.97	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.45	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.88	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.32	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.67	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.63	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.58	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.62	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.33	4.41
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.98	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.88	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.65	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.19	4.59
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.09	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.67	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.97	5.00
For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.72	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.24	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.36	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.51	
For Each SF Of 24 Gauge Wall Panel, Add	0.69	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.72	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.93	3.82
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.15	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.41	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.30	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.57	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.66	4.00
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.48	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.51	4.18
For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.90	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.34	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.71	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.68	
For Each SF Of 24 Gauge Wall Panel, Add	0.59	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.62	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0075 GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.33	4.35
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.98	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.88	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076 GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.05	4.71
For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.10	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.15	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.65	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.19	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.29	
For Each SF Of 24 Gauge Wall Panel, Add	0.67	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.69	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)		
13 34 19 00-0079 GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.84	4.00
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080 GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.53	4.18
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.45	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.62	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081 GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.59	4.05
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.23	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.46	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0082 GSF 20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.33	4.23
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.45	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.88	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.32	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.67	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.64	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	21.67	4.53
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.11	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.60	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.20	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.66	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)		
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.81	3.64
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.02	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.03	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.37	3.76
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.57	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.05	3.91
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.17	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.43	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.33	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.68	4.05
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.48	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	20.99	4.35
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.57	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.99	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.04	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)		

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.13	3.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.21	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.57	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.94	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.87	
For Each SF Of 24 Gauge Wall Panel, Add	0.49	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.80	3.58
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.02	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.03	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.37	3.69
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.91	3.82
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.15	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.30	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.57	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	20.24	4.18
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.97	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.43	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.85	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.86	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.62	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small>		
13 34 19 00-0098 GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.88	3.34
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.55	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.81	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	16.45	3.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.13	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.95	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	17.06	3.58
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.09	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	17.64	3.69
For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.72	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.12	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.35	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.23	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	19.85	4.00
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.77	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.76	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	15.66	3.22
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.53	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.88	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.76	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	16.13	3.34
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.21	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.57	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.94	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.87	
For Each SF Of 24 Gauge Wall Panel, Add	0.49	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.76	3.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.01	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.02	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.37	3.58
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.59	3.87
For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.35	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.70	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109 Metal Building Options (13 34 19 00-0001)		
Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.		
13 34 19 00-0110 Metal Framing For Rough Openings (13 34 19 00-0109)		
Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening	527.77	133.50
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening	802.85	172.85
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening	949.59	163.90
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening	1,025.40	166.89
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening	1,088.79	172.85
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening	507.71	133.50
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening	570.16	151.75
13 34 19 00-0118 LF Additional Girts	12.94	
13 34 19 00-0119 Wall Panel Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	14.86	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	18.12	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	21.05	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	24.43	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0124 Roofing Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125 SF Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.52	
13 34 19 00-0126 SF Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	24.76	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0127	SF		Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels. <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	26.34 0.24 0.12	
13 34 19 00-0128	SF		Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels. <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	27.60 0.24 0.12	
13 34 19 00-0129	EA		3' x 10' Translucent Fiberglass Panels	190.27	51.25
13 34 19 00-0130	LF		Vented Ridge Vent For Standing Seam Roof	25.38	
13 34 19 00-0131 Insulation For Metal Buildings (13 34 19 00-0109)					
13 34 19 00-0132	SF		1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.46	0.43
13 34 19 00-0133	SF		2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.61	0.43
13 34 19 00-0134	SF		3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.80	0.58
13 34 19 00-0135	SF		3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.07	0.58
13 34 19 00-0136	SF		6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.54	0.58
13 34 19 00-0137	SF		1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.73	0.43
13 34 19 00-0138	SF		2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.88	0.43
13 34 19 00-0139	SF		3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.02	0.58
13 34 19 00-0140	SF		3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.23	0.58
13 34 19 00-0141	SF		6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.63	0.58
13 34 19 00-0142	SF		1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.65	0.43
13 34 19 00-0143	SF		2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.82	0.43
13 34 19 00-0144	SF		3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.13	0.58
13 34 19 00-0145	SF		3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.34	0.58
13 34 19 00-0146	SF		6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.71	0.58
13 34 19 00-0147	SF		2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.55	0.43
13 34 19 00-0148	SF		3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.64	0.43
13 34 19 00-0149	SF		4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.83	0.58
13 34 19 00-0150	SF		6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.25	0.58
13 34 19 00-0151	SF		2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.56	0.43
13 34 19 00-0152	SF		3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.66	0.43
13 34 19 00-0153	SF		4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.86	0.58
13 34 19 00-0154	SF		6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	2.30	0.58
13 34 19 00-0155	SF		2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.01	0.43
13 34 19 00-0156	SF		3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.14	0.43
13 34 19 00-0157	SF		4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.34	0.58
13 34 19 00-0158	SF		6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.78	0.58
13 34 19 00-0159 Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)					
13 34 19 00-0160	LF		2' End Wall Roof Overhang And 26 Gauge Soffit	45.28	9.30
13 34 19 00-0161	LF		4' End Wall Roof Overhang And 26 Gauge Soffit	68.50	6.67
13 34 19 00-0162	SF		Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy..... Note: Up to 7' projection from wall. Includes finished underside and edges.	92.58	14.90
<i>For End Braced (Up To 16' Wall Projection), Add</i>				21.66	
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>				12.40	
13 34 19 00-0163	SF		>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	77.34	12.52
<i>Note: Up to 7' projection from wall. Includes finished underside and edges.</i>					
<i>For End Braced (Up To 16' Wall Projection), Add</i>				18.08	
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>				10.35	
13 34 19 00-0164	SF		>50 SF, Prefinished Aluminum, Wall Hung Canopy	58.71	10.72
<i>Note: Up to 7' projection from wall. Includes finished underside and edges.</i>					
<i>For End Braced (Up To 16' Wall Projection), Add</i>				13.60	
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>				7.73	
13 34 19 00-0165	SF		Up To 50 SF, Prefinished Aluminum, Free Standing Canopy..... Note: Includes finished underside and edges.	113.15	22.65
13 34 19 00-0166	SF		>50 SF, Prefinished Aluminum, Free Standing Canopy	75.99	13.71
<i>Note: Includes finished underside and edges.</i>					
13 34 19 00-0167	LF		1' Standard Eave Overhang Without Soffit	46.36	
13 34 19 00-0168	LF		2' Standard Eave Overhang Without Soffit	58.04	
13 34 19 00-0169	LF		3' Standard Eave Overhang Without Soffit	69.94	
13 34 19 00-0170	LF		4' Standard Eave Overhang Without Soffit	81.68	
13 34 19 00-0171	LF		6' Standard Eave Overhang Without Soffit	104.97	
13 34 19 00-0172	LF		1' Standard Eave Overhang And 26 Gauge Soffit	62.00	
<i>For 24 Gauge, Add</i>				7.01	
13 34 19 00-0173	LF		2' Standard Eave Overhang And 26 Gauge Soffit	77.56	
<i>For 24 Gauge, Add</i>				8.85	
13 34 19 00-0174	LF		3' Standard Eave Overhang And 26 Gauge Soffit	93.27	
<i>For 24 Gauge, Add</i>				10.60	
13 34 19 00-0175	LF		4' Standard Eave Overhang And 26 Gauge Soffit	109.00	
<i>For 24 Gauge, Add</i>				12.35	
13 34 19 00-0176	LF		6' Standard Eave Overhang And 26 Gauge Soffit	139.43	
<i>For 24 Gauge, Add</i>				15.91	
13 34 19 00-0177 Louvers And Vents For Metal Buildings (13 34 19 00-0109)					
13 34 19 00-0178	EA		4' x 3' Fixed Louver	708.76	185.95
13 34 19 00-0179	EA		12" Rotary Vent With Damper.....	429.93	119.20
13 34 19 00-0180	EA		20" Rotary Vent With Damper.....	760.57	159.14

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0181 EA 24" Rotary Vent With Damper.....	1,009.36	178.81
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'.....	1,155.17	238.40
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'.....	1,232.38	238.40
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,434.48	238.40
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,567.49	238.40
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,713.80	238.40
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,860.11	238.40
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen.....	2,444.85	298.01
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen.....	2,684.27	298.01
13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted.....	11.55	2.98
<i>For Galvanized Instead Of Painted, Deduct</i>	-1.40	
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted.....	10.57	4.18
<i>For Galvanized Instead Of Painted, Deduct</i>	-0.56	
13 34 23 Fabricated Structures (13 34)		
13 34 23 13 Portable and Mobile Buildings (13 34 23)		
13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building.....	513.65	
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building.....	440.61	
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building.....	352.67	
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building.....	279.04	
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building.....	249.38	
13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008 SF Single Trailer Up To 14' x 73'.....	67.31	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,419.06	
<i>For Each Knock-Down And Pick-Up, Add</i>	1,139.06	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0009 SF Modular Trailers, Connected.....	94.24	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	3,144.14	
<i>For Each Knock-Down And Pick-Up, Add</i>	2,494.14	
13 34 23 13-0010 EA Add Per Additional Exterior Door With Frame And Hardware.....	1,009.72	
13 34 23 13-0011 Accessories (13 34 23 13)		
13 34 23 13-0012 Skirting (13 34 23 13-0011)		
Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013 Vinyl Covered, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0014 SF 1'-8" High Vinyl Covered Skirt.....	5.63	2.17
13 34 23 13-0015 SF 3' High Vinyl Covered Skirt.....	8.29	3.58
13 34 23 13-0016 Fiberglass, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0017 SF 1'-8" High Fiberglass Skirt.....	10.13	4.09
13 34 23 13-0018 SF 3' High Fiberglass Skirt.....	11.79	4.99
13 34 23 13-0019 Plywood, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0020 SF 1'-8" High 5/8" Plywood Skirt.....	9.77	4.35
13 34 23 13-0021 SF 3' High 5/8" Plywood Skirt.....	11.57	5.25
13 34 23 13-0022 Steel, Painted, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0023 SF 1'-8" High 26 Gauge Steel Skirt.....	11.08	4.09
13 34 23 13-0024 SF 3' High 26 Gauge Steel Skirt.....	12.88	4.99
13 34 23 13-0025 14" x 14" Access Hatch (13 34 23 13-0011)		
Note: Simple design.		
13 34 23 13-0026 EA 14" x 14" Vinyl Covered Access Hatch.....	278.43	96.02
13 34 23 13-0027 EA 14" x 14" Fiberglass Access Hatch.....	238.89	96.02
13 34 23 13-0028 EA 14" x 14" Plywood Access Hatch.....	276.52	96.02
13 34 23 13-0029 EA 14" x 14" 26 Gauge Steel Access Hatch.....	278.09	96.02
13 34 23 13-0030 Aluminum Modular Access Ramp (13 34 23 13-0011)		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0031 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp.....	3,677.33	31.97
13 34 23 13-0032 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp.....	3,715.70	41.56
13 34 23 13-0033 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	7,647.22	63.94
13 34 23 13-0034 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	8,239.72	63.94
13 34 23 13-0035 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	3,863.83	41.56
13 34 23 13-0036 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	3,825.46	31.97
13 34 23 13-0037 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	5,341.38	41.56
13 34 23 13-0038 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	3,791.61	41.56
13 34 23 13-0039 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	3,791.61	41.56
13 34 23 13-0040 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	4,315.61	41.56
13 34 23 13-0041 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	4,835.90	41.56
13 34 23 13-0042 Relocate Portable And Mobile Trailer (13 34 23 13)		
<i>Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0074 for escort vehicle, 13 34 23 13-0012 for skirting, 26 05 46 00-0060 for anchors.</i>		
13 34 23 13-0043 EA Prepare, Up To 12' Wide, Single Trailer For Transporstation.....	851.62	
<i>Note: Includes securing interior, mounting tires, and mounting trailer hitch</i>		
13 34 23 13-0044 EA Separate, 24' Wide Double Trailer And Prepare For Transporstation.....	4,256.91	
<i>Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.</i>		
13 34 23 13-0045 EA Remove Blocking From 8' Wide x Up To 35' Long Trailer.....	374.71	
<i>Note: Per trailer</i>		
13 34 23 13-0046 EA Remove Blocking From 10' Wide x 40' To 50' Long Trailer.....	476.90	
<i>Note: Per trailer</i>		
13 34 23 13-0047 EA Remove Blocking From 12' Wide x 45' To 60' Long Trailer.....	579.10	
<i>Note: Per trailer</i>		
13 34 23 13-0048 EA Remove Blocking From 24' Wide x 45' To 60' Long Trailer.....	1,158.21	
<i>Note: Per trailer</i>		
13 34 23 13-0049 MI Transportation And Delivery Of Trailer.....	19.66	
<i>See CSI section 01 22 20 00-0075 for escort vehicle service (when required).</i>		
13 34 23 13-0050 EA Re-connect 24' Wide Double Trailer.....	8,759.41	
<i>Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0053 for blocking and leveling of each section.</i>		
13 34 23 13-0051 EA Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long.....	468.39	
<i>Note: Per trailer</i>		
13 34 23 13-0052 EA Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long.....	596.14	
<i>Note: Per trailer</i>		
13 34 23 13-0053 EA Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long.....	723.88	
<i>Note: Per trailer</i>		
13 34 23 13-0054 EA Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long.....	1,447.75	
<i>Note: Per trailer</i>		
13 34 23 13-0055 EA Connection Straps To Anchor.....	21.29	
<i>Note: Includes straps per each anchor See CSI section 26 05 46 00-0060 for anchors.</i>		
13 34 23 14 Fabricated Classroom Buildings (13 34 23)		
13 34 23 14-0001 Semi Permanent Modular Transportable Buildings (13 34 23 14)		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom.....	100.30	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
		110.00
<i>For Each Delivery And Set-Up (Block And Level), Add</i>		
		3,144.14
<i>For Each Knock-Down And Pick-Up, Add</i>		
		2,494.14
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room.....	103.27	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
		110.00
<i>For Each Delivery And Set-Up (Block And Level), Add</i>		
		3,144.14
<i>For Each Knock-Down And Pick-Up, Add</i>		
		2,494.14
13 34 23 16 Fabricated Control Booths (13 34 23)		
13 34 23 16-0001 Fabricated Parking Attendant Booths (13 34 23 16)		
<i>Note: Excludes foundations and slab.</i>		
13 34 23 16-0002 EA Parking Booth For Attendant.....	1,778.22	
13 34 23 31 Fabricated Pavilion Style Buildings (13 34 23)		
13 34 23 31-0001 Pavilion Style Metal Shelter Structures (13 34 23 31)		
<i>Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.</i>		
13 34 23 31-0002 EA 12' x 12' Pavilion Style Metal Shelter Structure.....	13,254.10	2,285.84
13 34 23 31-0003 EA 16' x 16' Pavilion Style Metal Shelter Structure.....	15,648.62	2,385.25
13 34 23 31-0004 EA 16' x 32' Pavilion Style Metal Shelter Structure.....	20,098.89	2,544.27
13 34 23 31-0005 EA 20' x 20' Pavilion Style Metal Shelter Structure.....	18,857.54	2,464.76
13 34 23 31-0006 EA 20' x 30' Pavilion Style Metal Shelter Structure.....	23,426.40	2,703.28
13 34 23 31-0007 EA 20' x 40' Pavilion Style Metal Shelter Structure.....	28,038.44	2,782.79
13 34 23 31-0008 EA 24' x 24' Pavilion Style Metal Shelter Structure.....	23,187.47	2,544.27
13 34 23 31-0009 EA 24' x 48' Pavilion Style Metal Shelter Structure.....	32,846.17	3,180.33
13 34 23 31-0010 EA 30' x 30' Pavilion Style Metal Shelter Structure.....	31,541.37	3,180.33
13 34 23 31-0011 EA 30' x 60' Pavilion Style Metal Shelter Structure.....	63,407.84	3,975.42
13 34 23 31-0012 EA 40' x 40' Pavilion Style Metal Shelter Structure.....	58,321.01	4,968.37

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0013 EA 40' x 60' Pavilion Style Metal Shelter Structure.....	84,941.13	5,565.58
13 40 Integrated Construction ⁽¹³⁾		
13 42 Building Modules ^(13 40)		
13 42 63 Detention Cell Modules ^(13 42)		
13 42 63 16 Steel Detention Cell Modules ^(13 42 63)		
13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide..... Note: With hardware.	17,878.05	915.95
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot..... Note: Not including plumbing.	32,322.02	1,226.47
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers..... Note: Includes 12 gauge steel frame and concealment plates.	137.08	8.68
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels..... Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	102.79	8.68
13 42 63 16-0005 SF Perforated Metal Crime Shield.....	99.32	3.59
13 46 Lightning Protection Systems ^(13 40)		
13 46 13 Lightning Protection for Structures ^(13 46)		
13 46 13 00-0001 Lightning Protection ^(13 46 13) See CSI section 26 05 26 00-0001 for conductors.		
13 46 13 00-0002 Air Terminals For Lightning Protection ^(13 46 13 00-0001)		
13 46 13 00-0003 Copper Lightning Protection Air Terminals ^(13 46 13 00-0002)		
13 46 13 00-0004 EA 3/8" x 10" Copper Lightning Protection Air Terminal.....	75.25	15.39
13 46 13 00-0005 EA 1/2" x 12" Copper Lightning Protection Air Terminal.....	94.00	15.39
13 46 13 00-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal.....	120.92	15.39
13 46 13 00-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal.....	134.63	15.39
13 46 13 00-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal.....	258.23	30.76
13 46 13 00-0009 Aluminum Lightning Protection Air Terminals ^(13 46 13 00-0002)		
13 46 13 00-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal.....	87.43	15.39
13 46 13 00-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal.....	111.65	15.39
13 46 13 00-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal.....	141.37	15.39
13 46 13 00-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal.....	157.21	15.39
13 46 13 00-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal.....	304.66	30.76
13 46 13 00-0015 Terminal Bases For Lightning Protection ^(13 46 13 00-0001)		
13 46 13 00-0016 Copper Lightning Protection Terminal Bases ^(13 46 13 00-0015)		
13 46 13 00-0017 EA Adhesive Base For Copper Lightning Protection Terminal.....	112.60	46.15
13 46 13 00-0018 EA Bolted Base For Copper Lightning Protection Terminal.....	153.80	61.53
13 46 13 00-0019 EA Hinged Base For Copper Lightning Protection Terminal.....	204.73	76.91
13 46 13 00-0020 EA Side Mounted Base For Copper Lightning Protection Terminal.....	153.80	61.53
13 46 13 00-0021 EA Offset Point Support For Copper Lightning Protection Terminal.....	162.17	61.53
13 46 13 00-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal.....	290.78	123.05
13 46 13 00-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal.....	202.54	76.91
13 46 13 00-0024 EA Intermediate Base For Copper Lightning Protection Terminal.....	112.60	46.15
13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases ^(13 46 13 00-0015)		
13 46 13 00-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal.....	116.23	46.15
13 46 13 00-0027 EA Bolted Base For Aluminum Lightning Protection Terminal.....	159.76	61.53
13 46 13 00-0028 EA Hinged Base For Aluminum Lightning Protection Terminal.....	214.28	76.91
13 46 13 00-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal.....	160.26	61.53
13 46 13 00-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal.....	167.31	61.53
13 46 13 00-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	304.03	123.05
13 46 13 00-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	204.65	76.91
13 46 13 00-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal.....	116.23	46.15
13 46 13 00-0034 Connectors ^(13 46 13 00-0001)		
13 46 13 00-0035 Copper Cable Connectors ^(13 46 13 00-0034)		
13 46 13 00-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System.....	226.89	76.91
13 46 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System.....	313.39	123.05
13 46 13 00-0038 EA Beam Connector For Copper Lightning Protection System.....	206.25	76.91
13 46 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System.....	48.08	15.39
13 46 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System.....	48.72	15.39
13 46 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal.....	149.14	46.15



Special Construction	13	13
Integrated Construction	13 40	
Lightning Protection Systems	13 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0042 Aluminum Cable Connectors <small>(13 46 13 00-0034)</small>		
13 46 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System.....	235.95	76.91
13 46 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	333.01	123.05
13 46 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System.....	220.83	76.91
13 46 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System.....	52.16	15.39
13 46 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal.....	154.35	46.15
13 46 13 00-0048 Bonding Plates <small>(13 46 13 00-0001)</small>		
13 46 13 00-0049 Copper Bonding Plates <small>(13 46 13 00-0048)</small>		
13 46 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	186.31	76.91
13 46 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	191.42	76.91
13 46 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System.....	282.59	123.05
13 46 13 00-0053 Aluminum Bonding Plates <small>(13 46 13 00-0048)</small>		
13 46 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	188.08	76.91
13 46 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	196.14	76.91
13 46 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System.....	283.37	123.05
13 46 13 00-0057 Cable Supports <small>(13 46 13 00-0001)</small>		
13 46 13 00-0058 Copper Cable Supports <small>(13 46 13 00-0057)</small>		
13 46 13 00-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System.....	34.82	15.39
13 46 13 00-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	35.39	15.39
13 46 13 00-0061 Aluminum Cable Supports <small>(13 46 13 00-0057)</small>		
13 46 13 00-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System.....	34.36	15.39
13 46 13 00-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	34.17	15.39
13 46 13 00-0064 Bonding Straps <small>(13 46 13 00-0001)</small>		
13 46 13 00-0065 Copper Bonding Straps <small>(13 46 13 00-0064)</small>		
13 46 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System.....	97.23	46.15
13 46 13 00-0067 Aluminum Bonding Straps <small>(13 46 13 00-0064)</small>		
13 46 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	99.10	46.15
13 46 13 00-0069 Accessories For Lightning Protection <small>(13 46 13 00-0001)</small>		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070 Copper Adapters <small>(13 46 13 00-0069)</small>		
13 46 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System.....	34.62	7.69
13 46 13 00-0072 Aluminum Adapters <small>(13 46 13 00-0069)</small>		
13 46 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System.....	43.75	7.69
13 46 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System.....	229.02	76.91

13 47 Facility Protection (13 40)

13 47 13 Cathodic Protection (13 47)

13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)

13 47 13 13-0001 Anodes <small>(13 47 13 13)</small>		
13 47 13 13-0002 Magnesium Type, Conventional <small>(13 47 13 13-0001)</small>		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	475.59	214.32
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	701.56	309.75
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	945.93	398.50
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	1,342.31	557.55
13 47 13 13-0007 Graphite Type <small>(13 47 13 13-0001)</small>		
Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap.....	723.78	312.03
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap.....	1,102.48	435.71
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap.....	801.08	272.67
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap.....	1,199.80	364.03
13 47 13 13-0012 Rectifiers <small>(13 47 13 13)</small>		

13 Special Construction**13 40 Integrated Construction****13 47 Facility Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0013 Air Cooled, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,305.46	443.00
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,482.61	443.00
13 47 13 13-0016 Oil Immersed, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,427.57	512.22
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,617.37	512.22
13 47 13 13-0019 Anode Backfill <small>(13 47 13 13)</small>		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze	1.45	0.56
13 47 13 13-0021 Cathodic Protection Cable <small>(13 47 13 13)</small>		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	2,647.41	1,090.68
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	2,853.71	1,090.68
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	3,163.15	1,090.68
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	3,678.89	1,090.68
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	4,462.13	1,201.72
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	4,848.94	1,201.72
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	5,493.62	1,201.72
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	7,256.33	1,309.93
13 47 13 13-0030 Cathodic Test Stations <small>(13 47 13 13)</small>		
13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box <small>(13 47 13 13-0030)</small>		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	355.53	127.67
13 47 13 16 Cathodic Protection for Underground Storage Tanks <small>(13 47 13)</small>		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48 Sound, Vibration, and Seismic Control <small>(13 40)</small>		
13 48 63 Fabricated Seismic Control Assemblies <small>(13 48)</small>		
13 48 63 00-0001 Seismic Bracing Assembly <small>(13 48 63)</small>		
13 48 63 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace.....	181.23	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	172.45	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	257.80	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	333.54	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	360.19	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	534.59	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	709.00	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener	213.38	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener	314.38	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener	415.38	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012 Seismic Brace Components <small>(13 48 63)</small>		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1)	37.79	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2)	50.92	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3)	66.68	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4)	90.29	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor (Mason SSB-1).....	35.65	
Note: To be used with angle or channel.		
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor (Mason SSB-2).....	47.20	
Note: To be used with angle or channel.		
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor (Mason SSB-3).....	61.24	
Note: To be used with angle or channel.		
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor (Mason SSB-4).....	81.87	
Note: To be used with angle or channel.		
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1).....	42.66	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2).....	55.46	
Note: To be used with 7x19 stranded cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3).....	76.09	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1)	72.79	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2)	101.27	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3)	137.17	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0027 EA Seismic Rod Clamp (Mason SRC-1)	31.30	
Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0028 EA Seismic Rod Clamp (Mason SRC-1 1/2)	37.90	
Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0029 EA Seismic Rod Clamp (Mason SRC-2)	46.98	
Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0030 Seismic Restraints <small>(13 48 63)</small>		
13 48 63 00-0031 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole	5.57	1.27
Note: Adhesive applied.		
13 48 63 00-0032 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.30	0.63
13 48 63 00-0033 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole.....	7.29	1.59
Note: Adhesive applied.		
13 48 63 00-0034 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.49	0.79
13 48 63 00-0035 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied	6.94	0.93
13 48 63 00-0036 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied	11.65	1.12
13 48 63 00-0037 LF 3/4" Wide Seismic Strap, Gray	4.97	0.96
13 48 63 00-0038 LF 1" Wide Seismic Strap, Gray	7.29	0.96
13 48 63 00-0039 EA 3/4" Wide x 4" Long Seismic Strap, Gray.....	2.41	0.63
13 48 63 00-0040 EA 3/4" Wide x 12" Long Seismic Strap, Gray.....	10.82	1.90
13 48 63 00-0041 LF Seismic Chord, Black.....	3.01	0.96
13 48 63 00-0042 LF SAFELOK Seismic Fastener, Black.....	3.97	0.96
13 49 Radiation Protection <small>(13 49)</small>		
13 49 13 Integrated X-Ray Shielding Assemblies <small>(13 49)</small>		
13 49 13 00-0001 Lead Shielding <small>(13 49 13)</small>		
See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding	48.55	7.63
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding	83.12	8.26
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding	148.81	8.89
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding	284.83	11.43
13 49 16 Modular X-Ray Shielding Rooms <small>(13 49)</small>		
13 49 16 00-0001 X-Ray Barriers, Modular <small>(13 49 16)</small>		
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small>		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,102.05	171.43
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,663.54	171.43
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,956.69	205.72
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	10,630.47	205.72
13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small>		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	19,526.80	274.30
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	20,312.88	274.30
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	20,943.01	308.59
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	22,583.69	342.88
13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small>		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	29,658.40	342.88
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	31,118.26	342.88
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	31,816.89	411.44
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	34,131.29	445.73
13 49 16 00-0017 X-Ray Barriers, Mobile <small>(13 49 16)</small>		
Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small>		
Note: Includes Framework		
13 49 16 00-0019 EA 24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,239.85	31.76
13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small>		
Note: Includes Framework		

13 Special Construction**13 40 Integrated Construction****13 49 Radiation Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0021	EA		36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	11,068.62	31.76
13 49 16 00-0022	EA		36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,314.56	31.76
13 49 16 00-0023			72" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small>		
			Note: Includes Framework		
13 49 16 00-0024	EA		36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,089.97	31.76
13 49 16 00-0025	EA		36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	16,571.18	31.76
13 49 19			Lead-Lined Materials <small>(13 49)</small>		
13 49 19 16			Lead-Lined Drywall <small>(13 49 19)</small>		
13 49 19 16-0001			Lead Lined Drywall <small>(13 49 19 16)</small>		
			See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 19 16-0002	SF		1/32" Lead Lined 5/8" Fire Rated Drywall	26.64	1.66
13 49 19 16-0003	SF		1/16" Lead Lined 5/8" Fire Rated Drywall	47.06	1.99
13 49 19 16-0004	SF		1/8" Lead Lined 5/8" Fire Rated Drywall	86.25	2.40

END OF SECTION 13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation and Maintenance of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20 71)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	582.77	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	777.03	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	485.64	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	485.64	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	291.38	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	191.34	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	239.17	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,389.31	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,736.63	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	694.65	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,562.96	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,041.98	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,431.29	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,778.61	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,083.96	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,604.94	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,389.31	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,204.55	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,480.12	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,204.55	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,204.55	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,204.55	

14 01 20 71-0024 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	40,519.35	8,596.52
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	9,398.14	
		Note: Includes Pump.		
		For An Additional Stop, Add	10,045.97	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	43,742.27	10,387.45
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	9,491.49	
		Note: Includes Pump.		
		For An Additional Stop, Add	10,647.93	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	52,129.60	11,820.20
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	10,985.09	
		Note: Includes Pump.		
		For An Additional Stop, Add	13,576.01	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	5,441.41	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	74.95	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	825.49	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	4,272.66	716.38
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	3,607.26	716.38
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	7,836.99	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	8,583.79	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	8,316.81	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	9,063.61	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring	89.41	20.47
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring	76.16	20.47
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	14.01	2.68
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,279.34	537.28
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	20,232.76	2,999.82
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,412.00	716.38
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	455.31	179.09
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	442.21	358.19
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	618.08	313.42
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	2,913.52	716.38
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	615.10	331.32

14 Conveying Equipment
14 01 Operation and Maintenance of Conveying Equipment
14 01 20 Operation and Maintenance of Elevators



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048 EA Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL).....	442.21	358.19
14 01 20 71-0049 EA Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing).....	759.59	358.19
14 01 20 71-0050 EA Fire Service Key Switch Controller	3,848.10	716.38
14 01 20 71-0051 EA ADA Telephone (Rath Microtech).....	1,217.80	358.19
14 01 20 71-0052 EA Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing).....	8,723.05	1,432.75
14 01 20 71-0053 EA Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing).....	9,432.51	1,432.75
14 01 20 71-0054 EA Car Door Safety Edge (Infrared Proximity Type Edge).....	2,706.89	358.19
14 01 20 71-0055 EA Car Operating Panel (ADA, Fire, Position, Chime).....	9,227.14	1,432.75
14 01 20 71-0056 EA Car Position LED Indicator And Cover Plate, Stainless Steel.....	1,976.60	358.19
14 01 20 71-0057 EA Car Traveling Lanterns With Audible Signal	1,690.67	358.19
14 01 20 71-0058 EA Hoistway Door Jamb Floor Tags (Braille)	246.30	179.09
14 01 20 71-0059 EA Lobby Vandal Resistant Call Station.....	1,587.98	358.19
14 01 20 71-0060 LF Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	21.58	
Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0061 EA Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	5,731.01	2,865.51
Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.		
14 01 20 71-0062 LF Governor Cable	1.68	
Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0063 EA Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels.....	6,614.72	716.38
14 01 20 71-0064 EA Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels.....	9,601.92	716.38
14 01 20 71-0065 EA Removal And Replacement Of Governor.....	5,547.07	716.38
14 01 20 71-0066 EA Removal And Replacement Of Car Station.....	8,779.06	1,432.75
14 01 20 71-0067 EA Removal And Replacement Of Telephone.....	1,830.70	358.19
14 01 20 71-0068 EA Removal And Replacement Of Hall Lanterns	1,369.83	358.19
14 01 20 71-0069 EA Hall Call Buttons, Vandal Resistant	1,089.78	358.19
14 01 20 71-0070 EA Hall Traveling Lanterns With Audible Signal.....	1,728.01	358.19
14 01 20 71-0071 EA Add Raised Character (Braille) Signage To Control Panel	200.93	179.09
14 01 20 71-0072 EA New Microprocessor Based Controller (Non-Proprietary).....	47,616.82	5,731.01
14 01 20 71-0073 EA New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab.....	27,266.52	5,731.01
14 01 20 71-0074 EA New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	42,332.52	5,731.01
14 01 20 71-0075 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,381.35	
14 01 20 71-0076 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	3,586.72	
14 01 20 71-0077 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	3,812.63	
14 01 20 71-0078 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	4,059.07	
14 01 20 71-0079 EA Elevator Pit Ladder, Steel	3,175.98	358.19
Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0080 EA New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	52,666.02	5,731.01
14 01 20 71-0081 LF Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	131.52	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082 LF Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	140.23	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083 LF Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	146.20	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0084 EA Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	9,669.41	716.38
14 01 20 71-0085 EA 6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,829.43	716.38
Note: Cladding typically done by metal company.		
14 01 20 71-0086 EA 8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,922.78	716.38
Note: Cladding typically done by metal company.		
14 01 20 71-0087 EA 10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	4,016.13	716.38
Note: Cladding typically done by metal company.		
14 01 20 71-0088 EA 12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	4,128.15	716.38
Note: Cladding typically done by metal company.		
14 01 20 71-0089 EA "Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	8,683.63	716.38
14 01 20 71-0090 EA "Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	8,683.63	716.38
14 01 20 71-0091 EA "Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	12,417.63	716.38
14 01 20 71-0092 EA "Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	14,284.63	716.38
14 01 20 71-0093 EA 60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	5,009.38	181.95
14 01 20 71-0094 EA 100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	5,233.75	218.34
14 01 20 71-0095 EA 200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	6,927.16	254.74
14 01 20 71-0096 EA Aluminum Handrail Spacers With Set Screw	217.87	179.09
14 01 20 71-0097 EA Bronze Handrail Spacers With Set Screw	223.04	179.09
14 01 20 71-0098 LF 1/2" x 2" Round Stainless Steel Elevator Handrail.....	152.43	42.14
14 01 20 71-0099 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	146.34	42.14
14 01 20 71-0100 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	174.79	42.14
14 01 20 71-0101 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	194.06	42.14
14 01 20 71-0102 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	222.74	42.14
14 01 20 71-0103 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	178.38	42.14
14 01 20 71-0104 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	203.69	42.14
14 01 20 71-0105 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	319.86	42.14
14 01 20 71-0106 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	360.04	42.14
14 01 20 71-0107 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	145.37	42.14
14 01 20 71-0108 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	146.92	42.14
14 01 20 71-0109 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	188.98	42.14
14 01 20 71-0110 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	176.58	42.14
14 01 20 71-0111 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	189.80	42.14
14 01 20 71-0112 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	239.11	42.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	182.86	42.14
14 01 20 71-0114 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	187.11	42.14
14 01 20 71-0115 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	316.83	42.14
14 01 20 71-0116 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	206.16	42.14
14 01 20 71-0117 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	317.66	42.14
14 01 20 71-0118 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	360.04	42.14

14 01 30 Operation and Maintenance of Escalators and Moving Walks ⁽¹⁴⁾

14 01 30 71 Escalators and Moving Walks Rehabilitation ^(14 01 30)

14 01 30 71-0001 Maintenance ^(14 01 30 71)

14 01 30 71-0002 EA Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	820.78
14 01 30 71-0003 HR Escalator Servicing, Labor Only	191.34
14 01 30 71-0004 EA Acceptance Test Of Escalators And Moving Walks	4,514.29

14 01 30 71-0005 Modernization ^(14 01 30 71)

14 01 30 71-0006 EA Removal And Replacement Of 28" Wide Escalator Stair Tread	1,997.51
14 01 30 71-0007 EA Removal And Replacement Of 36" Wide Escalator Stair Tread	2,140.00
14 01 30 71-0008 EA Removal And Replacement Of 48" Wide Escalator Stair Tread	2,244.54
14 01 30 71-0009 EA Removal And Replacement Of 54" Wide Escalator Stair Tread	2,420.53
14 01 30 71-0010 LF Removal And Replacement Of Sliding Handrail	187.59

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002 EA Electric Traction Freight Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings	368,262.06
For Each Opening With Bonderized Steel Door, Add	304.36
For Each Opening With Stainless Steel Doors, Add	760.90
For Each Opening With Two Speed Doors, Add	913.08
For Custom Plastic Laminated Cab Interiors, Add	4,252.40
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60
For Stainless Steel Cab Interior, Add	8,504.80
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-1" Loading, Add	1,771.12
For Class "C-2" Loading, Add	2,126.20
For Class "C-3" Loading, Add	2,908.64
For Removal Of Existing Stop, Add	9,010.21
For Each Additional Stop, Add	37,408.94
For Each Floor < 6 Stops, Deduct	-30,894.13
For Each Additional 50 FPM, Add	6,378.60
For Removal Of Existing Elevator, Add	45,051.07
14 21 13 00-0003 EA Electric Traction Freight Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings	391,730.07
For Each Opening With Bonderized Steel Door, Add	304.36
For Each Opening With Stainless Steel Doors, Add	760.90
For Each Opening With Two Speed Doors, Add	913.08
For Custom Plastic Laminated Cab Interiors, Add	4,252.40
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60
For Stainless Steel Cab Interior, Add	8,504.80
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-1" Loading, Add	3,542.25
For Class "C-2" Loading, Add	4,252.40
For Class "C-3" Loading, Add	5,893.83
For Removal Of Existing Stop, Add	9,010.21
For Each Additional Stop, Add	37,408.94
For Each Floor < 6 Stops, Deduct	-30,894.13
For Each Additional 50 FPM, Add	6,378.60
For Removal Of Existing Elevator, Add	45,051.07
14 21 13 00-0004 EA Electric Traction Freight Elevator, 6,000 LB x 200 FPM, 6 Stops, 6 Openings	416,606.59
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-1" Loading, Add	3,542.25
For Class "C-2" Loading, Add	4,252.40
For Class "C-3" Loading, Add	5,893.83
For Custom Plastic Laminated Cab Interiors, Add	5,315.50
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,441.70
For Stainless Steel Cab Interior, Add	9,567.90
For Removal Of Existing Stop, Add	9,010.21
For Each Additional Stop, Add	38,472.04
For Each Additional 50 FPM, Add	6,378.60
For Each Opening With Bonderized Steel Door, Add	318.93
For Each Opening With Stainless Steel Doors, Add	637.86
For Each Opening With Two Speed Doors, Add	797.32
For Removal Of Existing Elevator, Add	45,051.07
For Each Floor < 6 Stops, Deduct	-31,894.13

14 Conveying Equipment

14 20 Elevators

14 21 Electric Traction Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21	13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM, 6 Stops, 6 Openings.....	426,980.83	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-1" Loading, Add</i>	3,542.25	
			<i>For Class "C-2" Loading, Add</i>	4,252.40	
			<i>For Class "C-3" Loading, Add</i>	5,893.83	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,315.50	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,441.70	
			<i>For Stainless Steel Cab Interior, Add</i>	9,567.90	
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Each Additional Stop, Add</i>	38,472.04	
			<i>For Each Additional 50 FPM, Add</i>	6,378.60	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	318.93	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	637.86	
			<i>For Each Opening With Two Speed Doors, Add</i>	797.32	
			<i>For Removal Of Existing Elevator, Add</i>	45,051.07	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,894.13	
14 21	13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM, 6 Stops, 6 Openings.....	440,170.51	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	15,218.00	
			<i>For Class "C-1" Loading, Add</i>	7,086.62	
			<i>For Class "C-2" Loading, Add</i>	8,504.80	
			<i>For Class "C-3" Loading, Add</i>	11,634.57	
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Each Additional Stop, Add</i>	38,472.04	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	425.24	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	744.17	
			<i>For Each Opening With Two Speed Doors, Add</i>	903.64	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,378.60	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,504.80	
			<i>For Stainless Steel Cab Interior, Add</i>	10,631.00	
			<i>For Removal Of Existing Elevator, Add</i>	45,051.07	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,894.13	
14 21	13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM, 6 Stops, 6 Openings.....	455,476.29	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	15,218.00	
			<i>For Class "C-1" Loading, Add</i>	7,086.62	
			<i>For Class "C-2" Loading, Add</i>	8,504.80	
			<i>For Class "C-3" Loading, Add</i>	11,634.57	
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Each Additional Stop, Add</i>	38,472.04	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	425.24	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	744.17	
			<i>For Each Opening With Two Speed Doors, Add</i>	903.64	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,378.60	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,504.80	
			<i>For Stainless Steel Cab Interior, Add</i>	10,631.00	
			<i>For Removal Of Existing Elevator, Add</i>	45,051.07	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,894.13	
14 21	13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM, 6 Stops, 6 Openings.....	468,230.02	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	15,218.00	
			<i>For Class "C-1" Loading, Add</i>	7,086.62	
			<i>For Class "C-2" Loading, Add</i>	8,504.80	
			<i>For Class "C-3" Loading, Add</i>	11,634.57	
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Each Additional Stop, Add</i>	38,472.04	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	425.24	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	744.17	
			<i>For Each Opening With Two Speed Doors, Add</i>	903.64	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,378.60	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,504.80	
			<i>For Stainless Steel Cab Interior, Add</i>	10,631.00	
			<i>For Removal Of Existing Elevator, Add</i>	45,051.07	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,894.13	

14 21 23 Electric Traction Passenger Elevators (14 21)

14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)

14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21	23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM, 6 Stops, 6 Openings.....	282,853.80	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,252.40	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,378.60	
			<i>For Stainless Steel Cab Interior, Add</i>	8,504.80	
			<i>For Each Additional 50 FPM, Add</i>	6,277.42	
			<i>For Removal Of Existing Stop, Add</i>	4,505.11	
			<i>For Each Additional Stop, Add</i>	37,408.94	
			<i>For Each Floor < 6 Stops, Deduct</i>	-21,262.75	
			<i>For Removal Of Existing Elevator, Add</i>	33,788.31	



Conveying Equipment	14
Elevators	14 20
Electric Traction Elevators	14 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003 EA Electric Traction Passenger Elevator, 2,500 LB x 200 FPM, 6 Stops, 6 Openings.....	290,267.25	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Stop, Add	4,505.11	
For Each Additional Stop, Add	37,408.94	
For Each Floor < 6 Stops, Deduct	-21,262.75	
For Removal Of Existing Elevator, Add	33,788.31	
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM, 6 Stops, 6 Openings.....	296,062.96	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Stop, Add	4,505.11	
For Each Additional Stop, Add	37,408.94	
For Each Floor < 6 Stops, Deduct	-21,262.75	
For Removal Of Existing Elevator, Add	33,788.31	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 LB x 200 FPM, 6 Stops, 6 Openings.....	300,407.39	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Stop, Add	4,505.11	
For Each Additional Stop, Add	37,408.94	
For Each Floor < 6 Stops, Deduct	-21,262.75	
For Removal Of Existing Elevator, Add	33,788.31	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings.....	305,775.14	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Stop, Add	4,505.11	
For Each Additional Stop, Add	37,408.94	
For Each Floor < 6 Stops, Deduct	-21,262.75	
For Removal Of Existing Elevator, Add	33,788.31	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM, 6 Stops, 6 Openings.....	311,433.52	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Stop, Add	4,505.11	
For Each Additional Stop, Add	37,408.94	
For Each Floor < 6 Stops, Deduct	-21,262.75	
For Removal Of Existing Elevator, Add	33,788.31	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings.....	317,252.24	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Stop, Add	4,505.11	
For Each Additional Stop, Add	37,408.94	
For Each Floor < 6 Stops, Deduct	-21,262.75	
For Removal Of Existing Elevator, Add	33,788.31	

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0002	EA	Hydraulic Freight Elevator, 3,000 LB x 50 FPM, 3 Stops, 3 Openings.....	225,420.10	
			For Each Additional Stop, Add	28,062.86	
			For 2 Stops, Deduct	-15,941.96	
			For Each Opening With Bonderized Steel Door, Add	304.36	
			For Each Opening With Stainless Steel Doors, Add	760.90	
			For Each Opening With Two Speed Doors, Add	913.08	
			For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
			For Stainless Steel Cab Interior, Add	8,504.80	
			For Each Additional 50 FPM, Add	3,043.60	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,771.12	
			For Class "C-2" Loading, Add	2,126.20	
			For Class "C-3" Loading, Add	2,908.64	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	61.23	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	95.68	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,010.21	
			For Removal Of Existing Elevator, Add	22,525.54	
14 24	13 00-0003	EA	Hydraulic Freight Elevator, 3,500 LB x 50 FPM, 3 Stops, 3 Openings.....	232,755.55	
			For Each Additional Stop, Add	28,062.86	
			For 2 Stops, Deduct	-15,941.96	
			For Each Opening With Bonderized Steel Door, Add	304.36	
			For Each Opening With Stainless Steel Doors, Add	760.90	
			For Each Opening With Two Speed Doors, Add	913.08	
			For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
			For Stainless Steel Cab Interior, Add	8,504.80	
			For Each Additional 50 FPM, Add	3,043.60	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,771.12	
			For Class "C-2" Loading, Add	2,126.20	
			For Class "C-3" Loading, Add	2,908.64	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	61.23	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	95.68	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,010.21	
			For Removal Of Existing Elevator, Add	22,525.54	
14 24	13 00-0004	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM, 3 Stops, 3 Openings.....	239,915.76	
			For Each Additional Stop, Add	28,062.86	
			For 2 Stops, Deduct	-15,941.96	
			For Each Opening With Bonderized Steel Door, Add	304.36	
			For Each Opening With Stainless Steel Doors, Add	760.90	
			For Each Opening With Two Speed Doors, Add	913.08	
			For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
			For Stainless Steel Cab Interior, Add	8,504.80	
			For Each Additional 50 FPM, Add	3,043.60	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,771.12	
			For Class "C-2" Loading, Add	2,126.20	
			For Class "C-3" Loading, Add	2,908.64	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	61.23	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	95.68	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,010.21	
			For Removal Of Existing Elevator, Add	22,525.54	
14 24	13 00-0005	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM, 3 Stops, 3 Openings.....	246,847.54	
			For Each Opening With Bonderized Steel Door, Add	304.36	
			For Each Opening With Stainless Steel Doors, Add	760.90	
			For Each Opening With Two Speed Doors, Add	913.08	
			For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
			For Stainless Steel Cab Interior, Add	8,504.80	
			For Each Additional 50 FPM, Add	3,043.60	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	29,584.66	
			For 2 Stops, Deduct	-16,941.96	
			For Class "C-1" Loading, Add	3,542.25	
			For Class "C-2" Loading, Add	4,252.40	
			For Class "C-3" Loading, Add	5,893.83	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	61.23	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	95.68	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,010.21	
			For Removal Of Existing Elevator, Add	22,525.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM, 3 Stops, 3 Openings.....	261,274.50	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Each Opening With Two Speed Doors, Add</i>	913.08	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	29,584.66	
			<i>For 2 Stops, Deduct</i>	-16,941.96	
			<i>For Class "C-1" Loading, Add</i>	3,542.25	
			<i>For Class "C-2" Loading, Add</i>	4,252.40	
			<i>For Class "C-3" Loading, Add</i>	5,893.83	
			<i>For Each Additional 50 FPM, Add</i>	15,218.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,315.50	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,441.70	
			<i>For Stainless Steel Cab Interior, Add</i>	9,567.90	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Removal Of Existing Elevator, Add</i>	22,525.54	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM, 3 Stops, 3 Openings.....	268,183.56	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Each Opening With Two Speed Doors, Add</i>	913.08	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	29,584.66	
			<i>For 2 Stops, Deduct</i>	-16,941.96	
			<i>For Class "C-1" Loading, Add</i>	3,542.25	
			<i>For Class "C-2" Loading, Add</i>	4,252.40	
			<i>For Class "C-3" Loading, Add</i>	5,893.83	
			<i>For Each Additional 50 FPM, Add</i>	15,218.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,315.50	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,441.70	
			<i>For Stainless Steel Cab Interior, Add</i>	9,567.90	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Removal Of Existing Elevator, Add</i>	33,788.31	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM, 3 Stops, 3 Openings.....	278,745.06	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Each Opening With Two Speed Doors, Add</i>	913.08	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	29,584.66	
			<i>For 2 Stops, Deduct</i>	-16,941.96	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,315.50	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,441.70	
			<i>For Stainless Steel Cab Interior, Add</i>	9,567.90	
			<i>For Each Additional 50 FPM, Add</i>	16,739.80	
			<i>For Class "C-1" Loading, Add</i>	8,855.62	
			<i>For Class "C-2" Loading, Add</i>	10,631.00	
			<i>For Class "C-3" Loading, Add</i>	14,543.21	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Removal Of Existing Elevator, Add</i>	33,788.31	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM, 3 Stops, 3 Openings.....	286,167.95	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Each Opening With Two Speed Doors, Add</i>	913.08	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	29,584.66	
			<i>For 2 Stops, Deduct</i>	-16,941.96	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,315.50	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,441.70	
			<i>For Stainless Steel Cab Interior, Add</i>	9,567.90	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,010.21	
			<i>For Removal Of Existing Elevator, Add</i>	33,788.31	
			<i>For Each Additional 50 FPM, Add</i>	18,261.60	
			<i>For Class "C-1" Loading, Add</i>	11,778.08	
			<i>For Class "C-2" Loading, Add</i>	14,139.23	
			<i>For Class "C-3" Loading, Add</i>	19,342.04	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010 EA Hydraulic Freight Elevator, 12,000 LB x 50 FPM, 3 Stops, 3 Openings.....	299,202.30	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Each Opening With Two Speed Doors, Add	913.08	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	29,584.66	
For 2 Stops, Deduct	-16,941.96	
For Custom Plastic Laminated Cab Interiors, Add	5,315.50	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,441.70	
For Stainless Steel Cab Interior, Add	9,567.90	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	61.23	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	95.68	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	9,010.21	
For Removal Of Existing Elevator, Add	33,788.31	
For Each Additional 50 FPM, Add	18,261.60	
For Class "C-1" Loading, Add	11,778.08	
For Class "C-2" Loading, Add	14,139.23	
For Class "C-3" Loading, Add	19,342.04	
14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)		
14 24 13 00-0012 VLF Up To 6" Diameter Piston Drilling	98.93	
Note: Includes casing.		
14 24 13 00-0013 VLF 8" To 10" Diameter Piston Drilling.....	118.06	
Note: Includes casing.		
14 24 23 Hydraulic Passenger Elevators (14 24)		
14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)		
Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,100 LB x 100 FPM, 3 Stops, 3 Openings.....	160,707.87	
For Each Additional Stop, Add	28,062.86	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	61.23	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	95.68	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Elevator, Add	22,525.54	
For Removal Of Existing Stop, Add	4,505.11	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 100 FPM, 3 Stops, 3 Openings.....	163,751.47	
For Each Additional Stop, Add	28,062.86	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	61.23	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	95.68	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Elevator, Add	22,525.54	
For Removal Of Existing Stop, Add	4,505.11	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0004 EA Hydraulic Passenger Elevator, 3,000 LB x 100 FPM, 3 Stops, 3 Openings.....	165,843.95	
For Each Additional Stop, Add	28,062.86	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	4,252.40	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,378.60	
For Stainless Steel Cab Interior, Add	8,504.80	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	319.66	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	61.23	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	95.68	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	6,277.42	
For Removal Of Existing Elevator, Add	22,525.54	
For Removal Of Existing Stop, Add	4,505.11	
For 2 Stops, Deduct	-10,000.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM, 3 Stops, 3 Openings.....	173,613.03	
			<i>For Each Additional Stop, Add</i>	28,062.86	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,252.40	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,378.60	
			<i>For Stainless Steel Cab Interior, Add</i>	8,504.80	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	6,277.42	
			<i>For Removal Of Existing Elevator, Add</i>	22,525.54	
			<i>For Removal Of Existing Stop, Add</i>	4,505.11	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 LB x 100 FPM, 3 Stops, 3 Openings.....	176,816.55	
			<i>For Each Additional Stop, Add</i>	28,062.86	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,252.40	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,378.60	
			<i>For Stainless Steel Cab Interior, Add</i>	8,504.80	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	6,277.42	
			<i>For Removal Of Existing Elevator, Add</i>	22,525.54	
			<i>For Removal Of Existing Stop, Add</i>	4,505.11	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 LB x 100 FPM, 3 Stops, 3 Openings.....	181,267.82	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,252.40	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,378.60	
			<i>For Stainless Steel Cab Interior, Add</i>	8,504.80	
			<i>For Each Additional Stop, Add</i>	29,584.66	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	6,277.42	
			<i>For Removal Of Existing Elevator, Add</i>	22,525.54	
			<i>For Removal Of Existing Stop, Add</i>	4,505.11	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM, 3 Stops, 3 Openings.....	185,559.52	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Each Opening With Two Speed Doors, Add</i>	913.08	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,252.40	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,378.60	
			<i>For Stainless Steel Cab Interior, Add</i>	8,504.80	
			<i>For Each Additional Stop, Add</i>	29,584.66	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	319.66	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	61.23	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	95.68	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	6,277.42	
			<i>For Removal Of Existing Elevator, Add</i>	22,525.54	
			<i>For Removal Of Existing Stop, Add</i>	4,505.11	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0009			Twin Holeless Hydraulic Passenger Elevator (14 24 23)		
			<i>Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.</i>		
14 24 23 00-0010	EA		Twin Holeless Hydraulic Passenger Elevator, 2,100 LB x 100 FPM.....	139,249.04	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	304.36	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	760.90	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,720.85	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,315.50	
			<i>For Stainless Steel Cab Interior, Add</i>	6,378.60	
			<i>For Removal Of Existing Elevator, Add</i>	22,525.54	
			<i>For Each Additional Stop, Add</i>	29,752.28	
			<i>For An Additional 25 FPM, Add</i>	2,564.23	

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011 EA Twin Holeless Hydraulic Passenger Elevator, 2,500 LB x 100 FPM.....	144,523.11	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	3,720.85	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,315.50	
For Stainless Steel Cab Interior, Add	6,378.60	
For Removal Of Existing Elevator, Add	22,525.54	
For Each Additional Stop, Add	29,752.28	
For An Additional 25 FPM, Add	2,564.23	
14 24 23 00-0012 EA Twin Holeless Hydraulic Passenger Elevator, 3,000 LB x 100 FPM.....	149,586.23	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	3,720.85	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,315.50	
For Stainless Steel Cab Interior, Add	6,378.60	
For Removal Of Existing Elevator, Add	22,525.54	
For Each Additional Stop, Add	29,752.28	
For An Additional 25 FPM, Add	2,564.23	
14 24 23 00-0013 EA Twin Holeless Hydraulic Passenger Elevator, 3,500 LB x 100 FPM.....	174,160.62	
For Each Opening With Bonderized Steel Door, Add	304.36	
For Each Opening With Stainless Steel Doors, Add	760.90	
For Custom Plastic Laminated Cab Interiors, Add	3,720.85	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,315.50	
For Stainless Steel Cab Interior, Add	6,378.60	
For Removal Of Existing Elevator, Add	22,525.54	
For Each Additional Stop, Add	29,752.28	
For An Additional 25 FPM, Add	2,564.23	

14 26 Limited-Use/Limited-Application Elevators (14 20)

14 26 00 00-0001 Small Elevators (LULA) (14 26)

14 26 00 00-0002 EA Small Elevators (LULA), 1,400 LB x 30 FPM, 2 Stops, 2 Openings.....	92,938.78	
Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
For Each Additional Stop, Add	18,451.76	
For Removal Of Existing Elevator, Add	6,757.66	

14 27 Custom Elevator Cabs and Doors (14 20)

14 27 13 Custom Elevator Cab Finishes (14 27)

14 27 13 00-0001 Custom Elevator Cab Finish Options (14 27 13)

14 27 13 00-0002 EA Intercom Service.....	1,451.98	
Note: Review elevator task modifiers for additional cab finishes.		

14 27 13 00-0003 Custom Elevator Hall Finish Options (14 27 13)

14 27 13 00-0004 EA Stainless Steel Door, Hall Finishes.....	1,846.85	
14 27 13 00-0005 EA Stainless Steel Frames, Hall Finishes.....	1,940.76	
14 27 13 00-0006 EA Hall Lantern, Signal Devices.....	957.70	

14 27 16 Custom Elevator Doors (14 27)

14 27 16 00-0001 Custom Elevator Door Options (14 27 16)

14 27 16 00-0002 EA Center Opening, 1 Speed Doors.....	3,724.38	
14 27 16 00-0003 EA Center Opening, 2 Speed Doors.....	4,788.66	
14 27 16 00-0004 EA Rear Opening Doors (Opposite Front).....	6,698.11	
14 27 16 00-0005 EA Side Opening, 2 Speed Doors.....	10,673.53	
14 27 16 00-0006 EA Bi-Parting Doors.....	11,238.52	
14 27 16 00-0007 EA Power Operated Door And Gate.....	34,965.82	

14 28 Elevator Equipment and Controls (14 20)

14 28 16 Elevator Controls (14 28)

14 28 16 00-0001 Passenger Or Freight Elevator Options (14 28 16)

14 28 16 00-0002 EA 2 Car Group, Elevator Automatic Controls.....	9,072.55	1,086.20
14 28 16 00-0003 EA 3 Car Group, Elevator Automatic Controls.....	13,746.47	1,628.14
14 28 16 00-0004 EA 4 Car Group, Elevator Automatic Controls.....	21,318.87	2,170.84
14 28 16 00-0005 EA 5 Car Group, Elevator Automatic Controls.....	30,040.45	2,755.28
14 28 16 00-0006 EA 6 Car Group, Elevator Automatic Controls.....	41,989.48	3,256.25
14 28 16 00-0007 EA Duplex Care Selective Collective.....	8,421.30	
14 28 16 00-0008 EA Automatic Emergency Power Switching.....	5,009.33	
14 28 16 00-0009 EA Manual Emergency Power Switching.....	951.44	
14 28 16 00-0010 EA Up To 3, Position Indicator, Signal Devices.....	225.91	
14 28 16 00-0011 EA >3, Position Indicator, Signal Devices.....	189.34	
14 28 16 00-0012 EA High Speed Heavy Duty Door Opener.....	3,443.28	
14 28 16 00-0013 EA Variable Voltage, Overhead Gearless Machine, Minimum.....	57,150.70	
14 28 16 00-0014 EA Variable Voltage, Overhead Gearless Machine, Average.....	93,284.46	



		Conveying Equipment	14
		Elevators	14 20
		Elevator Equipment and Controls	14 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA		Variable Voltage, Overhead Gearless Machine, Maximum	129,277.42	
14 28 16 00-0016	EA		Variable Voltage, Basement Installed Geared Machine, Minimum	23,854.50	
14 28 16 00-0017	EA		Variable Voltage, Basement Installed Geared Machine, Average	29,614.16	
14 28 16 00-0018	EA		Variable Voltage, Basement Installed Geared Machine, Maximum	32,869.62	

14 30 Escalators and Moving Walks ⁽¹⁴⁾

14 31 Escalators ^(14 30)

14 31 00 00-0001 Stainless Steel Escalator Construction ^(14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA		Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	151,124.26	13,874.56
14 31 00 00-0003	EA		Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	167,654.59	16,397.22
14 31 00 00-0004	EA		Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	182,639.23	18,919.86
14 31 00 00-0005	EA		Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	202,120.47	22,703.84
14 31 00 00-0006	EA		Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	223,116.17	25,226.48
14 31 00 00-0007	EA		Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	159,773.55	14,757.50
14 31 00 00-0008	EA		Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	177,603.61	17,658.54
14 31 00 00-0009	EA		Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	192,582.56	20,181.19
14 31 00 00-0010	EA		Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	217,324.17	25,352.61
14 31 00 00-0011	EA		Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	234,047.63	27,244.61
14 31 00 00-0012	EA		Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	168,843.37	15,640.42
14 31 00 00-0013	EA		Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	188,288.55	18,919.86
14 31 00 00-0014	EA		Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	202,941.22	21,442.51
14 31 00 00-0015	EA		Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	233,608.76	26,740.08
14 31 00 00-0016	EA		Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	247,895.59	29,262.72
14 31 00 00-0017	EA		Escalator Fire Shutter Fusible Link.....	22,055.17	504.53

14 32 Moving Walks ^(14 30)

14 32 00 00-0001 Moving Sidewalks ^(14 32)

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF		Moving Sidewalks, 28" Wide.....	1,619.04	302.71
			For Each LF Of Ramp Or Sloped Sections, Add	251.16	
14 32 00 00-0003	LF		Moving Sidewalks, 36" Wide.....	2,147.18	309.02
			For Each LF Of Ramp Or Sloped Sections, Add	355.28	
14 32 00 00-0004	LF		Moving Sidewalks, 48" Wide.....	2,416.97	321.64
			For Each LF Of Ramp Or Sloped Sections, Add	406.21	
14 32 00 00-0005	LF		Moving Sidewalks, 54" Wide.....	2,775.60	348.88
			For Each LF Of Ramp Or Sloped Sections, Add	471.39	

14 40 Lifts ⁽¹⁴⁾

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001 Chair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA		Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	7,772.68	1,094.37
			Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) ^(14 42 16)

14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift.....	9,059.00	766.07
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			For Accordion Safety Skirt, Add	1,002.44	
			For Removable Handrails, Add	102.16	
			For Power Operated Ramp, Add	893.90	
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift.....	11,144.97	957.58
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			For 2,000 LB Capacity, Add	600.19	
			For 3,000 LB Capacity, Add	1,002.44	
			For 4,000 LB Capacity, Add	1,500.48	
			For Accordion Safety Skirt, Add	1,002.44	
			For Removable Handrails, Add	102.16	
			For Power Operated Ramp, Add	893.90	
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift.....	13,306.62	1,244.85
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			For 2,000 LB Capacity, Add	600.19	
			For 3,000 LB Capacity, Add	1,002.44	
			For 4,000 LB Capacity, Add	1,500.48	
			For Accordion Safety Skirt, Add	1,002.44	
			For Removable Handrails, Add	102.16	
			For Power Operated Ramp, Add	893.90	

14 Conveying Equipment

14 40 Lifts

14 42 Wheelchair Lifts



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp.	14,958.40	1,436.36
For 2,000 LB Capacity, Add	600.19	
For 3,000 LB Capacity, Add	1,002.44	
For 4,000 LB Capacity, Add	1,500.48	
For Accordion Safety Skirt, Add	1,002.44	
For Removable Handrails, Add	102.16	
For Power Operated Ramp, Add	893.90	
14 42 16 00-0006 EA 18' Travel Wheelchair Incline Lift Note: 500 LB capacity, interior installation.	15,371.85	683.98

14 90 Other Conveying Equipment ⁽¹⁴⁾

14 91 Facility Chutes ^(14 90)

14 91 82 Trash Chutes ^(14 91)

14 91 82 00-0001 Trash Chutes ^(14 91 82)

14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... For Aluminum, Add	40.45 2.95	5.75
For Stainless Steel, Add	10.31	
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... For Aluminum, Add	51.84 3.99	5.75
For Stainless Steel, Add	13.96	
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... For Aluminum, Add	57.13 4.42	7.19
For Stainless Steel, Add	15.47	
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... For Aluminum, Add	86.84 7.28	7.19
For Stainless Steel, Add	25.49	
14 91 82 00-0006 EA Trash Chutes, Hopper..... For Aluminum, Add	783.10 70.21	40.25
For Stainless Steel, Add	245.73	
14 91 82 00-0007 EA Trash Chutes, Skylight..... For Aluminum, Add	402.69 24.42	79.06
For Stainless Steel, Add	85.47	
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top..... For Aluminum, Add	289.10 10.68	86.24
For Stainless Steel, Add	37.39	
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper..... For Aluminum, Add	79.07 1.83	30.18
For Stainless Steel, Add	6.41	
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit..... For Aluminum, Add	679.61 45.18	107.80
For Stainless Steel, Add	158.12	
14 91 82 00-0011 EA Hopper Doors.....	1,488.32	70.55

14 92 Pneumatic Tube Systems ^(14 90)

14 92 00 00-0001 Pneumatic Message Tube Station ^(14 92)

Note: Twin tube, two or more stations, conventional

14 92 00 00-0002 LF 2-1/2" Tube With Bracketing.....	50.72	16.71
14 92 00 00-0003 LF 3" Tube With Bracketing.....	61.24	22.49
14 92 00 00-0004 LF 4" Tube With Bracketing.....	68.68	20.57
14 92 00 00-0005 LF 6" Tube With Bracketing.....	83.37	25.70
14 92 00 00-0006 LF 4" x 7" Oval Tube With Bracketing.....	87.22	27.64
14 92 00 00-0007 EA Blower Assembly.....	7,673.44	514.08
14 92 00 00-0008 EA Receiving Station, Round Or Oval.....	728.78	136.88
14 92 00 00-0009 EA Multi-Sided Dispatching Station, 3 Carrier.....	2,615.11	192.79
14 92 00 00-0010 EA Laboratory Receiving Station, Round Or Oval.....	1,835.26	173.51
14 92 00 00-0011 EA 2-Way Diverter Station.....	3,271.52	192.79
14 92 00 00-0012 EA 3-Way Diverter Station.....	4,184.61	224.91
14 92 00 00-0013 EA 4-Way Diverter Station.....	5,029.76	257.04

END OF SECTION 14



Fire Suppression	21	12
Operation and Maintenance of Fire Suppression	21 01	
Operation and Maintenance of Water-Based Fire-Suppression Systems	21 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91) See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).	
21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	717.48
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	430.49
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	172.20
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	86.09

21 01 10 91-0006	EA	Purge And Refill System Sprinkler Piping ^(21 01 10 91) Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.	
21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	504.00
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	719.82
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	862.49
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	1,078.11
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	1,401.55
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	0.70
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	705.62
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,007.76
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,207.49
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,509.36
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,962.17
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	0.99
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	970.21
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,385.67
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,660.29
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,075.36
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,697.98
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.35
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,309.79
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,870.64
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,985.77
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,482.21
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	3,226.87
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.61

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001	EA	Inspection And Recharge ^(21 01 30 91)	
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide.....	308.52
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide.....	2.89
21 01 30 91-0004	EA	Inspection, Halon 1301.....	308.52
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301.....	69.37
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical.....	186.54
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	65.04
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	186.54
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	5.78
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents..... See CSI section 23 05 93 00-0046 for testing existing piping systems.	57.40
21 01 30 91-0011	EA	Disarm/Arm System.....	100.45

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements for Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 Fire Suppression
21 05 Common Work Results for Fire Suppression
 21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping (21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems (21 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge (21 05 19)

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	56.43	16.90
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	58.29	16.90
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	66.97	16.90
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	70.53	16.90
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	74.10	16.90
		Note: For fire sprinkler systems		

21 05 19 00-0007 Fire Service Meter Cast Iron Housing (21 05 19)

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	5,335.53	239.67
		For >10 To 25, Deduct	-266.78	
		For >25, Deduct	-770.33	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	10,848.63	401.80
		For >10 To 25, Deduct	-542.43	
		For >25, Deduct	-1,576.94	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	14,627.66	510.84
		For >10 To 25, Deduct	-731.38	
		For >25, Deduct	-2,130.06	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	19,072.45	652.74
		For >10 To 25, Deduct	-953.62	
		For >25, Deduct	-2,779.78	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	26,836.18	794.65
		For >10 To 25, Deduct	-1,341.81	
		For >25, Deduct	-3,926.10	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

(21 05)
 See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 Globe Valves (21 05 23)

21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves (21 05 23 00-0001)

		Note: Non-rising stem		
21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	75.26	15.31
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	96.77	16.08
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	130.57	16.08
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	191.88	20.37
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	225.24	23.58
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	266.75	27.87

21 05 23 00-0009 Butterfly Valves (21 05 23)

21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves (21 05 23 00-0009)

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	515.66	24.96
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	567.33	29.89
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	597.89	39.34
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	852.31	64.43
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	1,226.13	90.65

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves (21 05 23 00-0009)

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	516.11	20.16
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	527.23	24.96
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	582.75	29.89
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	607.53	39.34
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	850.38	64.43
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,262.76	90.65
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,948.69	122.51

21 05 23 00-0024 Check Valves (21 05 23)

21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves (21 05 23 00-0024)

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	234.85	15.31
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	279.44	16.08
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	379.67	16.08
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	504.33	20.37
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	657.16	23.58
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	951.53	27.87



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032				Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(21 05 23 00-0024)</small>		
21 05 23 00-0033	EA			2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	797.35	204.42
21 05 23 00-0034	EA			3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	909.84	239.67
21 05 23 00-0035	EA			4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,312.33	401.80
21 05 23 00-0036	EA			6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,856.67	449.69
21 05 23 00-0037	EA			8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	2,866.41	574.61
21 05 23 00-0038	EA			10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	4,424.16	699.52
21 05 23 00-0039	EA			12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	6,106.59	849.42
21 05 23 00-0040				Iron Body Wafer Type Check Valve <small>(21 05 23 00-0024)</small>		
21 05 23 00-0041	EA			2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	650.94	204.51
21 05 23 00-0042	EA			3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	752.19	239.77
21 05 23 00-0043	EA			4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	968.90	401.96
21 05 23 00-0044	EA			6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,526.47	564.16
21 05 23 00-0045	EA			8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,130.80	648.78
21 05 23 00-0046	EA			10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	3,022.45	70.52
21 05 23 00-0047	EA			12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	4,052.33	959.06
21 05 23 00-0048				Grooved End, Check Valves <small>(21 05 23 00-0024)</small>		
21 05 23 00-0049	EA			2-1/2" Check Valve, Grooved (Victaulic FireLock® 717).....	458.97	25.38
21 05 23 00-0050	EA			3" Check Valve, Grooved (Victaulic FireLock® 717).....	465.83	30.03
21 05 23 00-0051	EA			4" Check Valve, Grooved (Victaulic FireLock® 717).....	496.97	39.48
21 05 23 00-0052	EA			6" Check Valve, Grooved (Victaulic FireLock® 717).....	1,459.74	64.43
21 05 23 00-0053	EA			8" Check Valve, Grooved (Victaulic FireLock® 717).....	2,028.56	90.65
21 05 23 00-0054				Gate Valves <small>(21 05 23)</small>		
21 05 23 00-0055				Threaded, Bronze Gate Valves <small>(21 05 23 00-0054)</small>		
Note: Class 175						
21 05 23 00-0056	EA			1" Threaded, Bronze Gate Valve (Crane 459).....	714.21	19.14
21 05 23 00-0057	EA			1-1/4" Threaded, Bronze Gate Valve (Crane 459).....	874.04	20.37
21 05 23 00-0058	EA			1-1/2" Threaded, Bronze Gate Valve (Crane 459).....	1,039.00	23.58
21 05 23 00-0059	EA			2" Threaded, Bronze Gate Valve (Crane 459).....	1,294.53	27.87
21 05 23 00-0060				Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(21 05 23 00-0054)</small>		
Note: Class 175						
21 05 23 00-0061	EA			2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	1,043.00	204.42
21 05 23 00-0062	EA			3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	1,227.80	239.67
21 05 23 00-0063	EA			4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	1,748.73	401.80
21 05 23 00-0064	EA			6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	2,501.59	449.69
21 05 23 00-0065	EA			8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	3,648.22	574.61
21 05 23 00-0066	EA			10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	6,509.58	699.52
21 05 23 00-0067	EA			12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	8,807.76	849.42
21 05 23 00-0068				Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves <small>(21 05 23 00-0054)</small>		
Note: Class 175						
21 05 23 00-0069	EA			2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	1,717.04	204.42
21 05 23 00-0070	EA			3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	2,000.72	239.67
21 05 23 00-0071	EA			4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	2,451.97	401.80
21 05 23 00-0072	EA			6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	3,094.84	449.69
21 05 23 00-0073	EA			8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	4,580.10	574.61
21 05 23 00-0074	EA			10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	6,569.14	699.52
21 05 23 00-0075	EA			12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	8,474.54	849.42
21 05 23 00-0076				Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves <small>(21 05 23 00-0054)</small>		
Note: Class 250. Square operating nut actuation type.						
21 05 23 00-0077	EA			3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	1,636.82	239.67
21 05 23 00-0078	EA			4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	2,100.84	401.80
21 05 23 00-0079	EA			6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	2,632.62	449.69
21 05 23 00-0080	EA			8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	3,931.46	574.61
21 05 23 00-0081	EA			10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	5,875.81	699.52

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	7,381.55	849.42
21 05 23 00-0083		Ball Valves ^(21 05 23)		
21 05 23 00-0084		Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) ^(21 05 23 00-0083)		
21 05 23 00-0085	EA	1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	469.78	19.14
21 05 23 00-0086	EA	1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	516.09	20.37
21 05 23 00-0087	EA	1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	609.49	23.58
21 05 23 00-0088	EA	2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	732.78	27.87
21 05 23 00-0089		TESTanDRAIN® Valve ^(21 05 23)		
21 05 23 00-0090	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600).....	250.26	19.47
21 05 23 00-0091	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000).....	283.71	23.53
21 05 23 00-0092	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000).....	347.60	29.75
21 05 23 00-0093	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000).....	534.40	34.35
21 05 23 00-0094	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000).....	564.75	40.57
21 05 23 00-0095	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	392.36	23.53
21 05 23 00-0096	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	455.20	29.75
21 05 23 00-0097	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	645.27	34.35
21 05 23 00-0098	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	678.57	40.57
21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment		^(21 05) See CSI section 23 05 29 00-0000 for hangers and supports.		
21 05 33 Heat Tracing for Fire-Suppression Piping		^(21 05) See CSI section 23 83 13 13-0000 for heat tracing cables.		
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment		^(21 05)		
21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment		^(21 05 48) See CSI section 23 05 48 13-0000 for vibration and seismic control.		
21 05 53 Identification for Fire-Suppression Piping and Equipment		^(21 05) See CSI section 23 05 53 00-0000 for identification.		
21 07 Fire-Suppression Systems Insulation		⁽²¹⁾		
21 07 16 Fire-Suppression Equipment Insulation		^(21 07) See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.		
21 07 19 Fire-Suppression Piping Insulation		^(21 07) See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.		
21 10 Water-Based Fire-Suppression Systems		⁽²¹⁾ See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.		
21 11 Facility Fire-Suppression Water-Service Piping		^(21 10)		
21 11 19 Fire-Department Connections		^(21 11)		
21 11 19 00-0001 Fire Department Connections		^(21 11 19)		
21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,160.98	435.44
		<i>For Polished Chrome, Add</i>	62.67	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,592.29	544.30
		<i>For Polished Chrome, Add</i>	95.92	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass.....	1,631.86	435.44
		<i>For Polished Chrome, Add</i>	121.49	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass.....	2,144.77	544.30
		<i>For Polished Chrome, Add</i>	164.98	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	2,279.82	544.30
		<i>For Polished Chrome, Add</i>	181.86	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,994.45	576.08
		<i>For Polished Chrome, Add</i>	140.25	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass.....	1,303.43	435.44
		<i>For Polished Chrome, Add</i>	80.47	
21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated		^(21 11 19) See CSI section 33 14 19 00-0159 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	1,849.69	401.80



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0011			Upright Indicator Post, Wheel Operated <small>(21 11 19)</small>		
21 11 19 00-0012	EA		Upright Indicator Post With Flange For Valve (Victaulic 774)	7,003.61	401.80
21 12			Fire-Suppression Standpipes <small>(21 10)</small>		
			<small>See CSI section 23 21 13 23-0000 for black steel pipe.</small>		
21 12 13			Fire-Suppression Hoses and Nozzles <small>(21 12)</small>		
21 12 13 00-0001			Fire Hose <small>(21 12 13)</small>		
21 12 13 00-0002			Fire Hose Without Couplings <small>(21 12 13 00-0001)</small>		
21 12 13 00-0003	LF		1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.57	2.87
21 12 13 00-0004	LF		2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	4.12	2.87
21 12 13 00-0005	LF		2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.79	2.87
21 12 13 00-0006	LF		3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	4.38	2.87
21 12 13 00-0007	LF		1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	3.90	2.87
21 12 13 00-0008	LF		2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	4.72	2.87
21 12 13 00-0009	LF		1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.99	2.87
21 12 13 00-0010	LF		2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	4.93	2.87
21 12 13 00-0011			Fire Hose With Aluminum Couplings <small>(21 12 13 00-0001)</small>		
21 12 13 00-0012	LF		1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	8.72	1.58
21 12 13 00-0013	LF		2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	10.87	1.86
21 12 13 00-0014	LF		3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	18.26	1.86
21 12 13 00-0015			Fire Hose Accessories <small>(21 12 13 00-0001)</small>		
21 12 13 00-0016	EA		Hose Coupling With 1-1/2" Pin Lug.....	274.98	47.36
21 12 13 00-0017	EA		Hose Coupling With 2-1/2" Pin Lug.....	430.76	53.09
21 12 13 00-0018	EA		1-1/2" x 10" Brass Straight Nozzle.....	103.07	37.31
21 12 13 00-0019	EA		2-1/2" x 12" Brass Straight Nozzle.....	189.83	37.31
21 12 13 00-0020	EA		1-1/2" Brass Fog Type Nozzle.....	152.98	37.31
21 12 13 00-0021	EA		2-1/2" Brass Fog Type Nozzle.....	214.25	37.31
21 12 13 00-0022	EA		1-1/2" Brass 100' Hose Rack.....	366.60	157.84
21 12 13 00-0023	EA		2-1/2" Brass 100' Hose Rack.....	483.42	157.84
21 12 23			Fire-Suppression Hose Valves <small>(21 12)</small>		
21 12 23 00-0001			Standpipe Valves <small>(21 12 23)</small>		
21 12 23 00-0002	EA		2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	759.04	288.04
			<i>For Polished Chrome, Add</i>	48.42	
21 12 23 00-0003	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,141.16	287.91
			<i>For Polished Chrome, Add</i>	105.74	
21 12 23 00-0004	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,444.24	311.43
			<i>For Polished Chrome, Add</i>	145.84	
21 12 23 00-0005	EA		3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	1,691.80	287.91
			<i>For Polished Chrome, Add</i>	188.34	
21 12 23 00-0006	EA		3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	1,974.93	311.43
			<i>For Polished Chrome, Add</i>	225.44	
21 12 23 00-0007	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,082.63	287.91
			<i>For Polished Chrome, Add</i>	96.96	
21 12 23 00-0008	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,536.01	311.43
			<i>For Polished Chrome, Add</i>	159.61	
21 12 23 00-0009	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,920.06	297.24
			<i>For Polished Chrome, Add</i>	176.37	
21 12 23 00-0010	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	2,704.97	330.23
			<i>For Polished Chrome, Add</i>	264.55	
21 12 23 00-0011	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	2,051.73	297.24
			<i>For Polished Chrome, Add</i>	192.17	
21 12 23 00-0012	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	2,903.36	330.23
			<i>For Polished Chrome, Add</i>	288.35	
21 12 23 00-0013	EA		2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass.....	12,881.80	396.22
			<i>For Polished Chrome, Add</i>	1,228.13	
21 12 23 00-0014			Fire Hose Angle Valves <small>(21 12 23)</small>		
21 12 23 00-0015	EA		1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	249.34	38.75
21 12 23 00-0016	EA		1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	294.08	38.75
21 12 23 00-0017	EA		1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	277.81	38.75
21 12 23 00-0018	EA		1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	322.55	38.75
21 12 23 00-0019	EA		2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	441.28	64.58
21 12 23 00-0020	EA		2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	506.35	64.58
21 12 23 00-0021	EA		2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	511.78	64.58
21 12 23 00-0022	EA		2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	576.85	64.58
21 12 29			Fire-Suppression Fire Hose Equipment <small>(21 12)</small>		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 12 Fire-Suppression Standpipes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 29 00-0001 Standpipe And Fire Hose Equipment <small>(21 12 29)</small>		
21 12 29 00-0002 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	4,423.37	714.02
21 12 29 00-0003 EA Water Motor Gong	1,546.88	199.28
21 12 29 00-0004 EA Fire Riser Flow Switch (National Fire Protection Association 13)	1,453.75	23.18
21 12 29 00-0005 EA Water Flow Supervisory (Tamper) Switch Mounted On Valve	259.12	39.66
21 12 29 00-0006 EA Lever Type Bleeder Valve (Potter BVL)	181.46	39.66
21 12 29 00-0007 Water Flow Detector <small>(21 12 29)</small>		
21 12 29 00-0008 Pressure-Type Water Flow Detector <small>(21 12 29 00-0007)</small>		
21 12 29 00-0009 EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	427.66	122.03
21 12 29 00-0010 EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	617.93	161.70
21 12 29 00-0011 EA Pressure-Type Water Flow Detector For >4" To 8" Pipe	942.76	183.05
21 12 29 00-0012 Vane-Type Water Flow Detector <small>(21 12 29 00-0007)</small>		
21 12 29 00-0013 EA Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	527.01	122.03
21 12 29 00-0014 EA Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	739.63	161.70
21 12 29 00-0015 EA Vane-Type Water Flow Detector For >4" To 8" Pipe	1,135.69	183.05
21 13 Fire-Suppression Sprinkler Systems <small>(21 10)</small>		
21 13 13 Wet-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies <small>(21 13 13)</small>		
Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and tanks, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1411 for individual grooved pipe, 23 21 13 23-1484 for individual grooved pipe fittings.		
21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies <small>(21 13 13 00-0001)</small>		
21 13 13 00-0003 EA Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,050.64	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Copper Pipe, Add	134.59	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-187.13	
For Up To 5, Add	466.26	
For >5 To 10, Add	279.14	
For >10 To 20, Add	174.07	
For >20 To 40, Add	75.53	
For >100 To 150, Deduct	-105.06	
For >150, Deduct	-210.13	
21 13 13 00-0004 EA Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,316.32	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Copper Pipe, Add	163.58	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-229.39	
For Up To 5, Add	594.27	
For >5 To 10, Add	364.88	
For >10 To 20, Add	233.25	
For >20 To 40, Add	99.69	
For >100 To 150, Deduct	-131.63	
For >150, Deduct	-263.26	
For Work In Restricted Working Space, Add	203.24	
21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies <small>(21 13 13 00-0001)</small>		
21 13 13 00-0006 EA Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,026.84	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Copper Pipe, Add	131.30	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-182.64	
For Up To 5, Add	456.19	
For >5 To 10, Add	273.55	
For >10 To 20, Add	170.86	
For >20 To 40, Add	74.07	
For >100 To 150, Deduct	-102.68	
For >150, Deduct	-205.37	
21 13 13 00-0007 EA Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,282.26	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Copper Pipe, Add	158.91	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-223.03	
For Up To 5, Add	579.76	
For >5 To 10, Add	356.73	
For >10 To 20, Add	228.50	
For >20 To 40, Add	97.54	
For >100 To 150, Deduct	-128.23	
For >150, Deduct	-256.45	
For Work In Restricted Working Space, Add	200.55	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies <small>(21 13 13 00-0001)</small>		
21 13 13 00-0009 EA Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	947.46	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Copper Pipe, Add	120.95	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-168.33	
For Up To 5, Add	421.32	
For >5 To 10, Add	252.99	
For >10 To 20, Add	158.24	
For >20 To 40, Add	68.54	
For >100 To 150, Deduct	-94.75	
For >150, Deduct	-189.49	
21 13 13 00-0010 EA Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,185.80	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Copper Pipe, Add	146.73	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-206.02	
For Up To 5, Add	536.60	
For >5 To 10, Add	330.58	
For >10 To 20, Add	212.00	
For >20 To 40, Add	90.43	
For >100 To 150, Deduct	-118.58	
For >150, Deduct	-237.16	
For Work In Restricted Working Space, Add	186.83	
21 13 13 00-0011 Wet Pipe Sprinkler Components <small>(21 13 13)</small>		
Note: Excludes hydraulic calculations.		
21 13 13 00-0012 Wet Pipe Alarm Check Valves <small>(21 13 13 00-0011)</small>		
Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013 EA 2-1/2" Wet Pipe Alarm Check Valve	2,031.39	167.79
21 13 13 00-0014 EA 3" Wet Pipe Alarm Check Valve	2,080.20	192.20
21 13 13 00-0015 EA 4" Wet Pipe Alarm Check Valve	2,348.67	326.44
21 13 13 00-0016 EA 6" Wet Pipe Alarm Check Valve	2,285.63	411.86
21 13 13 00-0017 EA 8" Wet Pipe Alarm Check Valve	4,042.31	521.70
21 13 13 00-0018 Wet Pipe Valve Trim <small>(21 13 13 00-0011)</small>		
Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019 EA 2-1/2" Wet Pipe Valve Trim.....	1,714.41	355.12
21 13 13 00-0020 EA 3" Wet Pipe Valve Trim.....	1,806.08	355.12
21 13 13 00-0021 EA 4" Wet Pipe Valve Trim.....	2,191.31	486.92
21 13 13 00-0022 EA 6" Wet Pipe Valve Trim.....	2,600.27	677.29
21 13 13 00-0023 EA 8" Wet Pipe Valve Trim.....	2,868.74	838.37
21 13 13 00-0024 Wet Pipe Sprinkler Heads <small>(21 13 13 00-0011)</small>		
21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0026 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	95.23	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-7.99	
For >100 To 500, Deduct	-13.52	
For >500 To 1,000, Deduct	-28.12	
For >1,000, Deduct	-41.04	
21 13 13 00-0027 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	98.35	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.15	
For >100 To 500, Deduct	-13.91	
For >500 To 1,000, Deduct	-28.68	
For >1,000, Deduct	-41.60	
21 13 13 00-0028 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	100.34	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.25	
For >100 To 500, Deduct	-14.16	
For >500 To 1,000, Deduct	-29.04	
For >1,000, Deduct	-41.96	
21 13 13 00-0029 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	96.80	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.07	
For >100 To 500, Deduct	-13.71	
For >500 To 1,000, Deduct	-28.40	
For >1,000, Deduct	-41.32	
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	100.04	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.23	
For >100 To 500, Deduct	-14.12	
For >500 To 1,000, Deduct	-28.99	
For >1,000, Deduct	-41.90	

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	102.12	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-8.34	
<i>For>100 To 500, Deduct</i>	-14.38	
<i>For>500 To 1,000, Deduct</i>	-29.36	
<i>For>1,000, Deduct</i>	-42.28	
21 13 13 00-0032 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	117.24	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-9.09	
<i>For>100 To 500, Deduct</i>	-16.27	
<i>For>500 To 1,000, Deduct</i>	-32.08	
<i>For>1,000, Deduct</i>	-45.00	
21 13 13 00-0033 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	125.60	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-9.51	
<i>For>100 To 500, Deduct</i>	-17.31	
<i>For>500 To 1,000, Deduct</i>	-33.59	
<i>For>1,000, Deduct</i>	-46.50	
21 13 13 00-0034 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	117.24	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-9.09	
<i>For>100 To 500, Deduct</i>	-16.27	
<i>For>500 To 1,000, Deduct</i>	-32.08	
<i>For>1,000, Deduct</i>	-45.00	
21 13 13 00-0035 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	125.60	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-9.51	
<i>For>100 To 500, Deduct</i>	-17.31	
<i>For>500 To 1,000, Deduct</i>	-33.59	
<i>For>1,000, Deduct</i>	-46.50	
21 13 13 00-0036 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	106.41	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-8.55	
<i>For>100 To 500, Deduct</i>	-14.92	
<i>For>500 To 1,000, Deduct</i>	-30.13	
<i>For>1,000, Deduct</i>	-43.05	
21 13 13 00-0037 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	110.49	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-8.75	
<i>For>100 To 500, Deduct</i>	-15.43	
<i>For>500 To 1,000, Deduct</i>	-30.87	
<i>For>1,000, Deduct</i>	-43.78	
21 13 13 00-0038 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.03	17.93
<i>For>25 To 50, Deduct</i>	-3.59	
<i>For>50 To 100, Deduct</i>	-9.04	
<i>For>100 To 500, Deduct</i>	-15.42	
<i>For>500 To 1,000, Deduct</i>	-31.82	
<i>For>1,000, Deduct</i>	-46.17	
21 13 13 00-0039 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	113.80	17.93
<i>For>25 To 50, Deduct</i>	-3.59	
<i>For>50 To 100, Deduct</i>	-9.28	
<i>For>100 To 500, Deduct</i>	-16.02	
<i>For>500 To 1,000, Deduct</i>	-32.68	
<i>For>1,000, Deduct</i>	-47.03	
21 13 13 00-0040 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	114.77	17.93
<i>For>25 To 50, Deduct</i>	-3.59	
<i>For>50 To 100, Deduct</i>	-9.33	
<i>For>100 To 500, Deduct</i>	-16.14	
<i>For>500 To 1,000, Deduct</i>	-32.86	
<i>For>1,000, Deduct</i>	-47.21	
21 13 13 00-0041 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	109.03	17.93
<i>For>25 To 50, Deduct</i>	-3.59	
<i>For>50 To 100, Deduct</i>	-9.04	
<i>For>100 To 500, Deduct</i>	-15.42	
<i>For>500 To 1,000, Deduct</i>	-31.82	
<i>For>1,000, Deduct</i>	-46.17	
21 13 13 00-0042 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	113.80	17.93
<i>For>25 To 50, Deduct</i>	-3.59	
<i>For>50 To 100, Deduct</i>	-9.28	
<i>For>100 To 500, Deduct</i>	-16.02	
<i>For>500 To 1,000, Deduct</i>	-32.68	
<i>For>1,000, Deduct</i>	-47.03	
21 13 13 00-0043 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	114.77	17.93
<i>For>25 To 50, Deduct</i>	-3.59	
<i>For>50 To 100, Deduct</i>	-9.33	
<i>For>100 To 500, Deduct</i>	-16.14	
<i>For>500 To 1,000, Deduct</i>	-32.86	
<i>For>1,000, Deduct</i>	-47.21	
21 13 13 00-0044 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	104.25	16.14
<i>For>25 To 50, Deduct</i>	-3.23	
<i>For>50 To 100, Deduct</i>	-8.44	
<i>For>100 To 500, Deduct</i>	-14.65	
<i>For>500 To 1,000, Deduct</i>	-29.74	
<i>For>1,000, Deduct</i>	-42.66	



		Fire Suppression	21
		Water-Based Fire-Suppression Systems	21 10
		Fire-Suppression Sprinkler Systems	21 13

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0045 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	107.37	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.60	
For >100 To 500, Deduct	-15.04	
For >500 To 1,000, Deduct	-30.31	
For >1,000, Deduct	-43.22	
21 13 13 00-0046 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	107.97	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.63	
For >100 To 500, Deduct	-15.11	
For >500 To 1,000, Deduct	-30.41	
For >1,000, Deduct	-43.33	
21 13 13 00-0047 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	104.25	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.44	
For >100 To 500, Deduct	-14.65	
For >500 To 1,000, Deduct	-29.74	
For >1,000, Deduct	-42.66	
21 13 13 00-0048 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	107.37	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.60	
For >100 To 500, Deduct	-15.04	
For >500 To 1,000, Deduct	-30.31	
For >1,000, Deduct	-43.22	
21 13 13 00-0049 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	107.97	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.63	
For >100 To 500, Deduct	-15.11	
For >500 To 1,000, Deduct	-30.41	
For >1,000, Deduct	-43.33	
21 13 13 00-0050 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	107.96	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.63	
For >100 To 500, Deduct	-15.11	
For >500 To 1,000, Deduct	-30.41	
For >1,000, Deduct	-43.33	
21 13 13 00-0051 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	142.51	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-10.71	
For >100 To 500, Deduct	-19.61	
For >500 To 1,000, Deduct	-37.85	
For >1,000, Deduct	-52.20	
21 13 13 00-0052 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	146.10	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-10.89	
For >100 To 500, Deduct	-20.06	
For >500 To 1,000, Deduct	-38.50	
For >1,000, Deduct	-52.85	
21 13 13 00-0053 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	146.10	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-10.89	
For >100 To 500, Deduct	-20.06	
For >500 To 1,000, Deduct	-38.50	
For >1,000, Deduct	-52.85	
21 13 13 00-0054 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	118.29	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.50	
For >100 To 500, Deduct	-16.58	
For >500 To 1,000, Deduct	-33.49	
For >1,000, Deduct	-47.84	
21 13 13 00-0055 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	120.75	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.63	
For >100 To 500, Deduct	-16.89	
For >500 To 1,000, Deduct	-33.93	
For >1,000, Deduct	-48.28	
21 13 13 00-0056 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	120.75	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.63	
For >100 To 500, Deduct	-16.89	
For >500 To 1,000, Deduct	-33.93	
For >1,000, Deduct	-48.28	
21 13 13 00-0057 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	320.36	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-19.25	
For >100 To 500, Deduct	-41.66	
For >500 To 1,000, Deduct	-68.64	
For >1,000, Deduct	-81.56	
21 13 13 00-0058 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	352.88	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-21.23	
For >100 To 500, Deduct	-45.90	
For >500 To 1,000, Deduct	-75.72	
For >1,000, Deduct	-90.07	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	176.58	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-12.06	
		<i>For >100 To 500, Deduct</i>	-23.69	
		<i>For >500 To 1,000, Deduct</i>	-42.76	
		<i>For >1,000, Deduct</i>	-55.68	
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	214.04	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-13.93	
		<i>For >100 To 500, Deduct</i>	-28.37	
		<i>For >500 To 1,000, Deduct</i>	-49.51	
		<i>For >1,000, Deduct</i>	-62.42	
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	370.69	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-21.76	
		<i>For >100 To 500, Deduct</i>	-47.95	
		<i>For >500 To 1,000, Deduct</i>	-77.70	
		<i>For >1,000, Deduct</i>	-90.62	
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	468.31	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-26.64	
		<i>For >100 To 500, Deduct</i>	-60.15	
		<i>For >500 To 1,000, Deduct</i>	-95.27	
		<i>For >1,000, Deduct</i>	-108.19	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	221.21	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-14.65	
		<i>For >100 To 500, Deduct</i>	-29.45	
		<i>For >500 To 1,000, Deduct</i>	-52.02	
		<i>For >1,000, Deduct</i>	-66.37	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	222.34	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-14.70	
		<i>For >100 To 500, Deduct</i>	-29.59	
		<i>For >500 To 1,000, Deduct</i>	-52.22	
		<i>For >1,000, Deduct</i>	-66.57	
21 13 13 00-0065		Conventional Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	95.23	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-7.99	
		<i>For >100 To 500, Deduct</i>	-13.52	
		<i>For >500 To 1,000, Deduct</i>	-28.12	
		<i>For >1,000, Deduct</i>	-41.04	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	98.35	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.15	
		<i>For >100 To 500, Deduct</i>	-13.91	
		<i>For >500 To 1,000, Deduct</i>	-28.68	
		<i>For >1,000, Deduct</i>	-41.60	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	100.34	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.25	
		<i>For >100 To 500, Deduct</i>	-14.16	
		<i>For >500 To 1,000, Deduct</i>	-29.04	
		<i>For >1,000, Deduct</i>	-41.96	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	110.14	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-9.09	
		<i>For >100 To 500, Deduct</i>	-15.56	
		<i>For >500 To 1,000, Deduct</i>	-32.02	
		<i>For >1,000, Deduct</i>	-46.37	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	113.80	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-9.28	
		<i>For >100 To 500, Deduct</i>	-16.02	
		<i>For >500 To 1,000, Deduct</i>	-32.68	
		<i>For >1,000, Deduct</i>	-47.03	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	114.37	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-9.31	
		<i>For >100 To 500, Deduct</i>	-16.09	
		<i>For >500 To 1,000, Deduct</i>	-32.78	
		<i>For >1,000, Deduct</i>	-47.13	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	320.36	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-19.25	
		<i>For >100 To 500, Deduct</i>	-41.66	
		<i>For >500 To 1,000, Deduct</i>	-68.64	
		<i>For >1,000, Deduct</i>	-81.56	
21 13 13 00-0073		Pendant Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
		See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0074 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	95.23	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-7.99	
For >100 To 500, Deduct	-13.52	
For >500 To 1,000, Deduct	-28.12	
For >1,000, Deduct	-41.04	
21 13 13 00-0075 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	98.35	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.15	
For >100 To 500, Deduct	-13.91	
For >500 To 1,000, Deduct	-28.68	
For >1,000, Deduct	-41.60	
21 13 13 00-0076 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	100.34	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.25	
For >100 To 500, Deduct	-14.16	
For >500 To 1,000, Deduct	-29.04	
For >1,000, Deduct	-41.96	
21 13 13 00-0077 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	109.03	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.04	
For >100 To 500, Deduct	-15.42	
For >500 To 1,000, Deduct	-31.82	
For >1,000, Deduct	-46.17	
21 13 13 00-0078 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	113.80	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.28	
For >100 To 500, Deduct	-16.02	
For >500 To 1,000, Deduct	-32.68	
For >1,000, Deduct	-47.03	
21 13 13 00-0079 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	114.77	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.33	
For >100 To 500, Deduct	-16.14	
For >500 To 1,000, Deduct	-32.86	
For >1,000, Deduct	-47.21	
21 13 13 00-0080 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	104.25	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.44	
For >100 To 500, Deduct	-14.65	
For >500 To 1,000, Deduct	-29.74	
For >1,000, Deduct	-42.66	
21 13 13 00-0081 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	107.37	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.60	
For >100 To 500, Deduct	-15.04	
For >500 To 1,000, Deduct	-30.31	
For >1,000, Deduct	-43.22	
21 13 13 00-0082 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.97	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.63	
For >100 To 500, Deduct	-15.11	
For >500 To 1,000, Deduct	-30.41	
For >1,000, Deduct	-43.33	
21 13 13 00-0083 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	104.25	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.44	
For >100 To 500, Deduct	-14.65	
For >500 To 1,000, Deduct	-29.74	
For >1,000, Deduct	-42.66	
21 13 13 00-0084 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	107.37	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.60	
For >100 To 500, Deduct	-15.04	
For >500 To 1,000, Deduct	-30.31	
For >1,000, Deduct	-43.22	
21 13 13 00-0085 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.97	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.63	
For >100 To 500, Deduct	-15.11	
For >500 To 1,000, Deduct	-30.41	
For >1,000, Deduct	-43.33	
21 13 13 00-0086 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	104.25	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.44	
For >100 To 500, Deduct	-14.65	
For >500 To 1,000, Deduct	-29.74	
For >1,000, Deduct	-42.66	
21 13 13 00-0087 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	107.37	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.60	
For >100 To 500, Deduct	-15.04	
For >500 To 1,000, Deduct	-30.31	
For >1,000, Deduct	-43.22	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	107.97	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.63	
		<i>For >100 To 500, Deduct</i>	-15.11	
		<i>For >500 To 1,000, Deduct</i>	-30.41	
		<i>For >1,000, Deduct</i>	-43.33	
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	95.23	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-7.99	
		<i>For >100 To 500, Deduct</i>	-13.52	
		<i>For >500 To 1,000, Deduct</i>	-28.12	
		<i>For >1,000, Deduct</i>	-41.04	
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	98.35	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.15	
		<i>For >100 To 500, Deduct</i>	-13.91	
		<i>For >500 To 1,000, Deduct</i>	-28.68	
		<i>For >1,000, Deduct</i>	-41.60	
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	100.34	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.25	
		<i>For >100 To 500, Deduct</i>	-14.16	
		<i>For >500 To 1,000, Deduct</i>	-29.04	
		<i>For >1,000, Deduct</i>	-41.96	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	96.80	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.07	
		<i>For >100 To 500, Deduct</i>	-13.71	
		<i>For >500 To 1,000, Deduct</i>	-28.40	
		<i>For >1,000, Deduct</i>	-41.32	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	99.01	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.18	
		<i>For >100 To 500, Deduct</i>	-13.99	
		<i>For >500 To 1,000, Deduct</i>	-28.80	
		<i>For >1,000, Deduct</i>	-41.72	
21 13 13 00-0094	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	101.03	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.28	
		<i>For >100 To 500, Deduct</i>	-14.24	
		<i>For >500 To 1,000, Deduct</i>	-29.16	
		<i>For >1,000, Deduct</i>	-42.08	
21 13 13 00-0095	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	111.98	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-9.19	
		<i>For >100 To 500, Deduct</i>	-15.79	
		<i>For >500 To 1,000, Deduct</i>	-32.35	
		<i>For >1,000, Deduct</i>	-46.70	
21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	116.03	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-9.39	
		<i>For >100 To 500, Deduct</i>	-16.30	
		<i>For >500 To 1,000, Deduct</i>	-33.08	
		<i>For >1,000, Deduct</i>	-47.43	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	116.03	17.93
		<i>For >25 To 50, Deduct</i>	-3.59	
		<i>For >50 To 100, Deduct</i>	-9.39	
		<i>For >100 To 500, Deduct</i>	-16.30	
		<i>For >500 To 1,000, Deduct</i>	-33.08	
		<i>For >1,000, Deduct</i>	-47.43	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	106.41	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.55	
		<i>For >100 To 500, Deduct</i>	-14.92	
		<i>For >500 To 1,000, Deduct</i>	-30.13	
		<i>For >1,000, Deduct</i>	-43.05	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	110.49	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-8.75	
		<i>For >100 To 500, Deduct</i>	-15.43	
		<i>For >500 To 1,000, Deduct</i>	-30.87	
		<i>For >1,000, Deduct</i>	-43.78	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	116.61	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-9.06	
		<i>For >100 To 500, Deduct</i>	-16.19	
		<i>For >500 To 1,000, Deduct</i>	-31.97	
		<i>For >1,000, Deduct</i>	-44.88	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	123.31	16.14
		<i>For >25 To 50, Deduct</i>	-3.23	
		<i>For >50 To 100, Deduct</i>	-9.39	
		<i>For >100 To 500, Deduct</i>	-17.03	
		<i>For >500 To 1,000, Deduct</i>	-33.17	
		<i>For >1,000, Deduct</i>	-46.09	



		Fire Suppression	21
		Water-Based Fire-Suppression Systems	21 10
		Fire-Suppression Sprinkler Systems	21 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0102 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	116.61	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-9.06	
For >100 To 500, Deduct	-16.19	
For >500 To 1,000, Deduct	-31.97	
For >1,000, Deduct	-44.88	
21 13 13 00-0103 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	123.31	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-9.39	
For >100 To 500, Deduct	-17.03	
For >500 To 1,000, Deduct	-33.17	
For >1,000, Deduct	-46.09	
21 13 13 00-0104 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	101.12	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.29	
For >100 To 500, Deduct	-14.25	
For >500 To 1,000, Deduct	-29.18	
For >1,000, Deduct	-42.10	
21 13 13 00-0105 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	104.64	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.46	
For >100 To 500, Deduct	-14.69	
For >500 To 1,000, Deduct	-29.81	
For >1,000, Deduct	-42.73	
21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	106.47	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.55	
For >100 To 500, Deduct	-14.92	
For >500 To 1,000, Deduct	-30.14	
For >1,000, Deduct	-43.06	
21 13 13 00-0107 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	110.51	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.11	
For >100 To 500, Deduct	-15.61	
For >500 To 1,000, Deduct	-32.09	
For >1,000, Deduct	-46.44	
21 13 13 00-0108 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	113.98	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.29	
For >100 To 500, Deduct	-16.04	
For >500 To 1,000, Deduct	-32.71	
For >1,000, Deduct	-47.06	
21 13 13 00-0109 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	117.34	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.45	
For >100 To 500, Deduct	-16.46	
For >500 To 1,000, Deduct	-33.32	
For >1,000, Deduct	-47.67	
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	103.11	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.38	
For >100 To 500, Deduct	-14.50	
For >500 To 1,000, Deduct	-29.54	
For >1,000, Deduct	-42.45	
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	106.55	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.56	
For >100 To 500, Deduct	-14.93	
For >500 To 1,000, Deduct	-30.16	
For >1,000, Deduct	-43.07	
21 13 13 00-0112 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	108.43	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.65	
For >100 To 500, Deduct	-15.17	
For >500 To 1,000, Deduct	-30.50	
For >1,000, Deduct	-43.41	
21 13 13 00-0113 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	111.98	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.19	
For >100 To 500, Deduct	-15.79	
For >500 To 1,000, Deduct	-32.35	
For >1,000, Deduct	-46.70	
21 13 13 00-0114 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	115.60	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.37	
For >100 To 500, Deduct	-16.24	
For >500 To 1,000, Deduct	-33.01	
For >1,000, Deduct	-47.36	

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0115	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	119.09	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.54	
			<i>For >100 To 500, Deduct</i>	-16.68	
			<i>For >500 To 1,000, Deduct</i>	-33.63	
			<i>For >1,000, Deduct</i>	-47.98	
21 13 13 00-0116	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	157.84	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-11.12	
			<i>For >100 To 500, Deduct</i>	-21.34	
			<i>For >500 To 1,000, Deduct</i>	-39.39	
			<i>For >1,000, Deduct</i>	-52.31	
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	157.84	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-11.12	
			<i>For >100 To 500, Deduct</i>	-21.34	
			<i>For >500 To 1,000, Deduct</i>	-39.39	
			<i>For >1,000, Deduct</i>	-52.31	
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	121.89	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.68	
			<i>For >100 To 500, Deduct</i>	-17.03	
			<i>For >500 To 1,000, Deduct</i>	-34.14	
			<i>For >1,000, Deduct</i>	-48.49	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	124.53	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.81	
			<i>For >100 To 500, Deduct</i>	-17.36	
			<i>For >500 To 1,000, Deduct</i>	-34.61	
			<i>For >1,000, Deduct</i>	-48.96	
21 13 13 00-0120	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	124.53	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.81	
			<i>For >100 To 500, Deduct</i>	-17.36	
			<i>For >500 To 1,000, Deduct</i>	-34.61	
			<i>For >1,000, Deduct</i>	-48.96	
21 13 13 00-0121	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	118.29	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.50	
			<i>For >100 To 500, Deduct</i>	-16.58	
			<i>For >500 To 1,000, Deduct</i>	-33.49	
			<i>For >1,000, Deduct</i>	-47.84	
21 13 13 00-0122	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	120.75	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.63	
			<i>For >100 To 500, Deduct</i>	-16.89	
			<i>For >500 To 1,000, Deduct</i>	-33.93	
			<i>For >1,000, Deduct</i>	-48.28	
21 13 13 00-0123	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	120.75	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.63	
			<i>For >100 To 500, Deduct</i>	-16.89	
			<i>For >500 To 1,000, Deduct</i>	-33.93	
			<i>For >1,000, Deduct</i>	-48.28	
21 13 13 00-0124	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	320.36	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-19.25	
			<i>For >100 To 500, Deduct</i>	-41.66	
			<i>For >500 To 1,000, Deduct</i>	-68.64	
			<i>For >1,000, Deduct</i>	-81.56	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	352.88	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-21.23	
			<i>For >100 To 500, Deduct</i>	-45.90	
			<i>For >500 To 1,000, Deduct</i>	-75.72	
			<i>For >1,000, Deduct</i>	-90.07	
21 13 13 00-0126	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	176.58	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-12.06	
			<i>For >100 To 500, Deduct</i>	-23.69	
			<i>For >500 To 1,000, Deduct</i>	-42.76	
			<i>For >1,000, Deduct</i>	-55.68	
21 13 13 00-0127	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	214.04	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-13.93	
			<i>For >100 To 500, Deduct</i>	-28.37	
			<i>For >500 To 1,000, Deduct</i>	-49.51	
			<i>For >1,000, Deduct</i>	-62.42	
21 13 13 00-0128	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	370.69	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-21.76	
			<i>For >100 To 500, Deduct</i>	-47.95	
			<i>For >500 To 1,000, Deduct</i>	-77.70	
			<i>For >1,000, Deduct</i>	-90.62	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0129 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	468.31	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-26.64	
For >100 To 500, Deduct	-60.15	
For >500 To 1,000, Deduct	-95.27	
For >1,000, Deduct	-108.19	
21 13 13 00-0130 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	221.21	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-14.65	
For >100 To 500, Deduct	-29.45	
For >500 To 1,000, Deduct	-52.02	
For >1,000, Deduct	-66.37	
21 13 13 00-0131 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	222.34	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-14.70	
For >100 To 500, Deduct	-29.59	
For >500 To 1,000, Deduct	-52.22	
For >1,000, Deduct	-66.57	
21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)		
21 13 13 00-0134 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	99.90	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.22	
For >100 To 500, Deduct	-14.10	
For >500 To 1,000, Deduct	-28.96	
For >1,000, Deduct	-41.88	
21 13 13 00-0135 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	102.40	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.35	
For >100 To 500, Deduct	-14.41	
For >500 To 1,000, Deduct	-29.41	
For >1,000, Deduct	-42.33	
21 13 13 00-0136 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	106.35	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.55	
For >100 To 500, Deduct	-14.91	
For >500 To 1,000, Deduct	-30.12	
For >1,000, Deduct	-43.04	
21 13 13 00-0137 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	101.31	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.29	
For >100 To 500, Deduct	-14.28	
For >500 To 1,000, Deduct	-29.21	
For >1,000, Deduct	-42.13	
21 13 13 00-0138 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	103.86	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.42	
For >100 To 500, Deduct	-14.60	
For >500 To 1,000, Deduct	-29.67	
For >1,000, Deduct	-42.59	
21 13 13 00-0139 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	107.89	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.62	
For >100 To 500, Deduct	-15.10	
For >500 To 1,000, Deduct	-30.40	
For >1,000, Deduct	-43.31	
21 13 13 00-0140 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	110.49	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.75	
For >100 To 500, Deduct	-15.43	
For >500 To 1,000, Deduct	-30.87	
For >1,000, Deduct	-43.78	
21 13 13 00-0141 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	114.56	16.14
For >25 To 50, Deduct	-3.23	
For >50 To 100, Deduct	-8.96	
For >100 To 500, Deduct	-15.93	
For >500 To 1,000, Deduct	-31.60	
For >1,000, Deduct	-44.52	
21 13 13 00-0142 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	119.73	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.57	
For >100 To 500, Deduct	-16.76	
For >500 To 1,000, Deduct	-33.75	
For >1,000, Deduct	-48.10	
21 13 13 00-0143 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	125.83	17.93
For >25 To 50, Deduct	-3.59	
For >50 To 100, Deduct	-9.88	
For >100 To 500, Deduct	-17.52	
For >500 To 1,000, Deduct	-34.85	
For >1,000, Deduct	-49.20	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13	13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	119.27	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-9.19	
			<i>For >100 To 500, Deduct</i>	-16.52	
			<i>For >500 To 1,000, Deduct</i>	-32.45	
			<i>For >1,000, Deduct</i>	-45.36	
21 13	13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	123.31	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-9.39	
			<i>For >100 To 500, Deduct</i>	-17.03	
			<i>For >500 To 1,000, Deduct</i>	-33.17	
			<i>For >1,000, Deduct</i>	-46.09	
21 13	13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	119.27	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-9.19	
			<i>For >100 To 500, Deduct</i>	-16.52	
			<i>For >500 To 1,000, Deduct</i>	-32.45	
			<i>For >1,000, Deduct</i>	-45.36	
21 13	13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	123.31	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-9.39	
			<i>For >100 To 500, Deduct</i>	-17.03	
			<i>For >500 To 1,000, Deduct</i>	-33.17	
			<i>For >1,000, Deduct</i>	-46.09	
21 13	13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	97.77	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-8.12	
			<i>For >100 To 500, Deduct</i>	-13.84	
			<i>For >500 To 1,000, Deduct</i>	-28.58	
			<i>For >1,000, Deduct</i>	-41.49	
21 13	13 00-0149	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	99.84	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-8.22	
			<i>For >100 To 500, Deduct</i>	-14.09	
			<i>For >500 To 1,000, Deduct</i>	-28.95	
			<i>For >1,000, Deduct</i>	-41.87	
21 13	13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	102.41	16.14
			<i>For >25 To 50, Deduct</i>	-3.23	
			<i>For >50 To 100, Deduct</i>	-8.35	
			<i>For >100 To 500, Deduct</i>	-14.42	
			<i>For >500 To 1,000, Deduct</i>	-29.41	
			<i>For >1,000, Deduct</i>	-42.33	
21 13	13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	107.36	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-8.96	
			<i>For >100 To 500, Deduct</i>	-15.21	
			<i>For >500 To 1,000, Deduct</i>	-31.52	
			<i>For >1,000, Deduct</i>	-45.87	
21 13	13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	109.58	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.07	
			<i>For >100 To 500, Deduct</i>	-15.49	
			<i>For >500 To 1,000, Deduct</i>	-31.92	
			<i>For >1,000, Deduct</i>	-46.27	
21 13	13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	111.97	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.19	
			<i>For >100 To 500, Deduct</i>	-15.79	
			<i>For >500 To 1,000, Deduct</i>	-32.35	
			<i>For >1,000, Deduct</i>	-46.70	
21 13	13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.12	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.04	
			<i>For >100 To 500, Deduct</i>	-15.43	
			<i>For >500 To 1,000, Deduct</i>	-31.84	
			<i>For >1,000, Deduct</i>	-46.19	
21 13	13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	111.42	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.16	
			<i>For >100 To 500, Deduct</i>	-15.72	
			<i>For >500 To 1,000, Deduct</i>	-32.25	
			<i>For >1,000, Deduct</i>	-46.60	
21 13	13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	113.91	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-9.28	
			<i>For >100 To 500, Deduct</i>	-16.03	
			<i>For >500 To 1,000, Deduct</i>	-32.70	
			<i>For >1,000, Deduct</i>	-47.05	

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST
21 13 13 00-0172	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	110.81	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-9.85	
	For >100 To 500, Deduct	-16.00	
	For >500 To 1,000, Deduct	-34.58	
	For >1,000, Deduct	-51.80	
21 13 13 00-0173	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	112.15	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-9.91	
	For >100 To 500, Deduct	-16.17	
	For >500 To 1,000, Deduct	-34.82	
	For >1,000, Deduct	-52.04	
21 13 13 00-0174	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	137.49	23.32
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.66	
	For >50 To 100, Deduct	-11.54	
	For >100 To 500, Deduct	-19.52	
	For >500 To 1,000, Deduct	-40.61	
	For >1,000, Deduct	-59.26	
21 13 13 00-0175	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	130.30	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-10.82	
	For >100 To 500, Deduct	-18.44	
	For >500 To 1,000, Deduct	-38.09	
	For >1,000, Deduct	-55.31	
21 13 13 00-0176	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	130.30	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-10.82	
	For >100 To 500, Deduct	-18.44	
	For >500 To 1,000, Deduct	-38.09	
	For >1,000, Deduct	-55.31	
21 13 13 00-0177	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	137.49	23.32
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.66	
	For >50 To 100, Deduct	-11.54	
	For >100 To 500, Deduct	-19.52	
	For >500 To 1,000, Deduct	-40.61	
	For >1,000, Deduct	-59.26	
21 13 13 00-0178	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	121.73	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-10.39	
	For >100 To 500, Deduct	-17.37	
	For >500 To 1,000, Deduct	-36.55	
	For >1,000, Deduct	-53.76	
21 13 13 00-0179	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	130.30	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-10.82	
	For >100 To 500, Deduct	-18.44	
	For >500 To 1,000, Deduct	-38.09	
	For >1,000, Deduct	-55.31	
21 13 13 00-0180	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	130.30	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-10.82	
	For >100 To 500, Deduct	-18.44	
	For >500 To 1,000, Deduct	-38.09	
	For >1,000, Deduct	-55.31	
21 13 13 00-0181	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	123.76	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-10.49	
	For >100 To 500, Deduct	-17.62	
	For >500 To 1,000, Deduct	-36.91	
	For >1,000, Deduct	-54.13	
21 13 13 00-0182	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....	195.70	25.11
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-5.02	
	For >50 To 100, Deduct	-14.81	
	For >100 To 500, Deduct	-26.97	
	For >500 To 1,000, Deduct	-52.30	
	For >1,000, Deduct	-72.39	
21 13 13 00-0183	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	117.47	21.53
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-4.30	
	For >50 To 100, Deduct	-10.18	
	For >100 To 500, Deduct	-16.84	
	For >500 To 1,000, Deduct	-35.78	
	For >1,000, Deduct	-53.00	



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0184 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	124.10	23.32
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-10.87	
For >100 To 500, Deduct	-17.84	
For >500 To 1,000, Deduct	-38.20	
For >1,000, Deduct	-56.85	
21 13 13 00-0185 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	118.67	21.53
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.30	
For >50 To 100, Deduct	-10.24	
For >100 To 500, Deduct	-16.99	
For >500 To 1,000, Deduct	-36.00	
For >1,000, Deduct	-53.21	
21 13 13 00-0186 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	125.86	23.32
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-10.96	
For >100 To 500, Deduct	-18.06	
For >500 To 1,000, Deduct	-38.51	
For >1,000, Deduct	-57.17	
21 13 13 00-0187 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	138.05	23.32
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-11.57	
For >100 To 500, Deduct	-19.59	
For >500 To 1,000, Deduct	-40.71	
For >1,000, Deduct	-59.36	
21 13 13 00-0188 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	223.48	25.11
For >25 To 50, Deduct	-5.02	
For >50 To 100, Deduct	-16.20	
For >100 To 500, Deduct	-30.45	
For >500 To 1,000, Deduct	-57.30	
For >1,000, Deduct	-77.39	
21 13 13 00-0189 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	223.48	25.11
For >25 To 50, Deduct	-5.02	
For >50 To 100, Deduct	-16.20	
For >100 To 500, Deduct	-30.45	
For >500 To 1,000, Deduct	-57.30	
For >1,000, Deduct	-77.39	
21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0169)		
21 13 13 00-0191 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	157.60	21.53
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.30	
For >50 To 100, Deduct	-12.18	
For >100 To 500, Deduct	-21.85	
For >500 To 1,000, Deduct	-43.00	
For >1,000, Deduct	-60.22	
21 13 13 00-0192 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	176.71	23.32
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-13.50	
For >100 To 500, Deduct	-24.42	
For >500 To 1,000, Deduct	-47.67	
For >1,000, Deduct	-66.32	
21 13 13 00-0193 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	127.83	21.53
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.30	
For >50 To 100, Deduct	-10.70	
For >100 To 500, Deduct	-18.13	
For >500 To 1,000, Deduct	-37.64	
For >1,000, Deduct	-54.86	
21 13 13 00-0194 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	130.49	23.32
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-11.19	
For >100 To 500, Deduct	-18.64	
For >500 To 1,000, Deduct	-39.35	
For >1,000, Deduct	-58.00	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	348.72	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-21.02	
			<i>For >100 To 500, Deduct</i>	-45.38	
			<i>For >500 To 1,000, Deduct</i>	-74.97	
			<i>For >1,000, Deduct</i>	-89.32	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	340.72	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-20.62	
			<i>For >100 To 500, Deduct</i>	-44.38	
			<i>For >500 To 1,000, Deduct</i>	-73.53	
			<i>For >1,000, Deduct</i>	-87.88	
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	156.44	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-11.41	
			<i>For >100 To 500, Deduct</i>	-21.35	
			<i>For >500 To 1,000, Deduct</i>	-40.36	
			<i>For >1,000, Deduct</i>	-54.71	
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	173.04	17.93
			<i>For >25 To 50, Deduct</i>	-3.59	
			<i>For >50 To 100, Deduct</i>	-12.24	
			<i>For >100 To 500, Deduct</i>	-23.42	
			<i>For >500 To 1,000, Deduct</i>	-43.34	
			<i>For >1,000, Deduct</i>	-57.69	
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories <i>(21 13 13 00-0011)</i>		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple <i>(21 13 13 00-0200)</i>		
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	60.03	16.84
			<i>For >25 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-4.41	
			<i>For >100 To 500, Deduct</i>	-8.21	
			<i>For >500 To 1,000, Deduct</i>	-15.58	
			<i>For >1,000, Deduct</i>	-21.19	
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	60.03	16.84
			<i>For >25 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-4.41	
			<i>For >100 To 500, Deduct</i>	-8.21	
			<i>For >500 To 1,000, Deduct</i>	-15.58	
			<i>For >1,000, Deduct</i>	-21.19	
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	60.68	16.84
			<i>For >25 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-4.44	
			<i>For >100 To 500, Deduct</i>	-8.29	
			<i>For >500 To 1,000, Deduct</i>	-15.69	
			<i>For >1,000, Deduct</i>	-21.31	
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	53.95	16.84
			<i>For >25 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-4.10	
			<i>For >100 To 500, Deduct</i>	-7.45	
			<i>For >500 To 1,000, Deduct</i>	-14.48	
			<i>For >1,000, Deduct</i>	-20.10	
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	53.95	16.84
			<i>For >25 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-4.10	
			<i>For >100 To 500, Deduct</i>	-7.45	
			<i>For >500 To 1,000, Deduct</i>	-14.48	
			<i>For >1,000, Deduct</i>	-20.10	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	53.95	16.84
			<i>For >25 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-4.10	
			<i>For >100 To 500, Deduct</i>	-7.45	
			<i>For >500 To 1,000, Deduct</i>	-14.48	
			<i>For >1,000, Deduct</i>	-20.10	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	60.16	18.31
			<i>For >25 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-4.53	
			<i>For >100 To 500, Deduct</i>	-8.28	
			<i>For >500 To 1,000, Deduct</i>	-16.02	
			<i>For >1,000, Deduct</i>	-22.12	
21 13 13 00-0209			Sprinkler Head Escutcheon <i>(21 13 13 00-0200)</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0210 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	23.86	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.73	
For >100 To 500, Deduct	-3.25	
For >500 To 1,000, Deduct	-6.12	
For >1,000, Deduct	-8.28	
21 13 13 00-0211 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0212 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0213 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	23.86	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.73	
For >100 To 500, Deduct	-3.25	
For >500 To 1,000, Deduct	-6.12	
For >1,000, Deduct	-8.28	
21 13 13 00-0214 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0215 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0216 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	22.66	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.67	
For >100 To 500, Deduct	-3.10	
For >500 To 1,000, Deduct	-5.91	
For >1,000, Deduct	-8.06	
21 13 13 00-0217 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0218 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0219 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	22.66	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.67	
For >100 To 500, Deduct	-3.10	
For >500 To 1,000, Deduct	-5.91	
For >1,000, Deduct	-8.06	
21 13 13 00-0220 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0221 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	17.25	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-7.09	
21 13 13 00-0222 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	23.26	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.70	
For >100 To 500, Deduct	-3.18	
For >500 To 1,000, Deduct	-6.02	
For >1,000, Deduct	-8.17	
21 13 13 00-0223 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	23.26	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.70	
For >100 To 500, Deduct	-3.18	
For >500 To 1,000, Deduct	-6.02	
For >1,000, Deduct	-8.17	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	9.82	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.85	
		For>100 To 500, Deduct	-1.41	
		For>500 To 1,000, Deduct	-2.99	
		For>1,000, Deduct	-4.42	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.99	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.81	
		For>100 To 500, Deduct	-1.30	
		For>500 To 1,000, Deduct	-2.84	
		For>1,000, Deduct	-4.27	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	9.21	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.82	
		For>100 To 500, Deduct	-1.33	
		For>500 To 1,000, Deduct	-2.88	
		For>1,000, Deduct	-4.31	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	9.97	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.86	
		For>100 To 500, Deduct	-1.43	
		For>500 To 1,000, Deduct	-3.01	
		For>1,000, Deduct	-4.45	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	9.14	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.82	
		For>100 To 500, Deduct	-1.32	
		For>500 To 1,000, Deduct	-2.86	
		For>1,000, Deduct	-4.30	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	9.14	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.82	
		For>100 To 500, Deduct	-1.32	
		For>500 To 1,000, Deduct	-2.86	
		For>1,000, Deduct	-4.30	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	10.83	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.90	
		For>100 To 500, Deduct	-1.53	
		For>500 To 1,000, Deduct	-3.17	
		For>1,000, Deduct	-4.60	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	9.11	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.81	
		For>100 To 500, Deduct	-1.32	
		For>500 To 1,000, Deduct	-2.86	
		For>1,000, Deduct	-4.29	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	9.11	4.74
		For>25 To 50, Deduct	-0.36	
		For>50 To 100, Deduct	-0.81	
		For>100 To 500, Deduct	-1.32	
		For>500 To 1,000, Deduct	-2.86	
		For>1,000, Deduct	-4.29	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	14.67	6.63
		For>25 To 50, Deduct	-0.50	
		For>50 To 100, Deduct	-1.24	
		For>100 To 500, Deduct	-2.09	
		For>500 To 1,000, Deduct	-4.35	
		For>1,000, Deduct	-6.36	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	14.21	6.63
		For>25 To 50, Deduct	-0.50	
		For>50 To 100, Deduct	-1.21	
		For>100 To 500, Deduct	-2.03	
		For>500 To 1,000, Deduct	-4.27	
		For>1,000, Deduct	-6.28	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	14.36	6.63
		For>25 To 50, Deduct	-0.50	
		For>50 To 100, Deduct	-1.22	
		For>100 To 500, Deduct	-2.05	
		For>500 To 1,000, Deduct	-4.29	
		For>1,000, Deduct	-6.30	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	14.82	6.63
		For>25 To 50, Deduct	-0.50	
		For>50 To 100, Deduct	-1.24	
		For>100 To 500, Deduct	-2.10	
		For>500 To 1,000, Deduct	-4.38	
		For>1,000, Deduct	-6.39	



Fire Suppression	21
Water-Based Fire-Suppression Systems	21 10
Fire-Suppression Sprinkler Systems	21 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0237 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	14.36	6.63
For >25 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.22	
For >100 To 500, Deduct	-2.05	
For >500 To 1,000, Deduct	-4.29	
For >1,000, Deduct	-6.30	
21 13 13 00-0238 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	14.67	6.63
For >25 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.24	
For >100 To 500, Deduct	-2.09	
For >500 To 1,000, Deduct	-4.35	
For >1,000, Deduct	-6.36	
21 13 13 00-0239 EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.71	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-3.86	
For >500 To 1,000, Deduct	-7.00	
For >1,000, Deduct	-9.15	
21 13 13 00-0240 EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.71	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-3.86	
For >500 To 1,000, Deduct	-7.00	
For >1,000, Deduct	-9.15	
21 13 13 00-0241 EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.71	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-3.86	
For >500 To 1,000, Deduct	-7.00	
For >1,000, Deduct	-9.15	
21 13 13 00-0242 EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.71	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-3.86	
For >500 To 1,000, Deduct	-7.00	
For >1,000, Deduct	-9.15	
21 13 13 00-0243 EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	28.71	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-3.86	
For >500 To 1,000, Deduct	-7.00	
For >1,000, Deduct	-9.15	
21 13 13 00-0244 EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	28.71	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-3.86	
For >500 To 1,000, Deduct	-7.00	
For >1,000, Deduct	-9.15	
21 13 13 00-0245 EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	32.81	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-2.18	
For >100 To 500, Deduct	-4.37	
For >500 To 1,000, Deduct	-7.74	
For >1,000, Deduct	-9.89	
21 13 13 00-0246 EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	33.77	6.46
For >25 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-2.23	
For >100 To 500, Deduct	-4.49	
For >500 To 1,000, Deduct	-7.91	
For >1,000, Deduct	-10.06	
21 13 13 00-0247 Coverplate For Sprinkler Heads (21 13 13 00-0200)		
21 13 13 00-0248 EA Chrome Coverplate For Concealed Pendent Sprinkler Head	65.56	7.32
For >25 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-3.89	
For >100 To 500, Deduct	-8.50	
For >500 To 1,000, Deduct	-13.87	
For >1,000, Deduct	-16.31	
21 13 13 00-0249 EA White Coverplate For Concealed Pendent Sprinkler Head	33.00	7.32
For >25 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-2.26	
For >100 To 500, Deduct	-4.43	
For >500 To 1,000, Deduct	-8.01	
For >1,000, Deduct	-10.45	
21 13 13 00-0250 EA Specialty Coverplate For Concealed Pendent Sprinkler Head	47.12	7.32
For >25 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-2.97	
For >100 To 500, Deduct	-6.20	
For >500 To 1,000, Deduct	-10.56	
For >1,000, Deduct	-13.00	

21 Fire Suppression

21 10 Water-Based Fire-Suppression Systems

21 13 Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0251 EA Brass Coverplate For Concealed Sidewall Sprinkler Head	43.45	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-2.78	
For>100 To 500, Deduct	-5.74	
For>500 To 1,000, Deduct	-9.90	
For>1,000, Deduct	-12.34	
21 13 13 00-0252 EA Chrome Coverplate For Concealed Sidewall Sprinkler Head	35.14	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-2.37	
For>100 To 500, Deduct	-4.70	
For>500 To 1,000, Deduct	-8.40	
For>1,000, Deduct	-10.84	
21 13 13 00-0253 EA White Coverplate For Concealed Sidewall Sprinkler Head	35.14	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-2.37	
For>100 To 500, Deduct	-4.70	
For>500 To 1,000, Deduct	-8.40	
For>1,000, Deduct	-10.84	
21 13 13 00-0254 EA Off-White Coverplate For Concealed Sidewall Sprinkler Head	43.45	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-2.78	
For>100 To 500, Deduct	-5.74	
For>500 To 1,000, Deduct	-9.90	
For>1,000, Deduct	-12.34	
21 13 13 00-0255 EA Black Painted Coverplate For Concealed Sidewall Sprinkler Head	43.45	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-2.78	
For>100 To 500, Deduct	-5.74	
For>500 To 1,000, Deduct	-9.90	
For>1,000, Deduct	-12.34	
21 13 13 00-0256 EA Black Plated Coverplate For Concealed Sidewall Sprinkler Head	50.04	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-3.11	
For>100 To 500, Deduct	-6.56	
For>500 To 1,000, Deduct	-11.08	
For>1,000, Deduct	-13.52	
21 13 13 00-0257 EA Bright Brass Coverplate For Concealed Sidewall Sprinkler Head	50.04	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-3.11	
For>100 To 500, Deduct	-6.56	
For>500 To 1,000, Deduct	-11.08	
For>1,000, Deduct	-13.52	
21 13 13 00-0258 EA Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head	50.04	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-3.11	
For>100 To 500, Deduct	-6.56	
For>500 To 1,000, Deduct	-11.08	
For>1,000, Deduct	-13.52	
21 13 13 00-0259 EA Specialty Coverplate For Concealed Sidewall Sprinkler Head	43.49	7.32
For>25 To 50, Deduct	-0.61	
For>50 To 100, Deduct	-2.78	
For>100 To 500, Deduct	-5.74	
For>500 To 1,000, Deduct	-9.90	
For>1,000, Deduct	-12.34	
21 13 13 00-0260 EA White Coverplate For Quick Release Concealed Sidewall Sprinkler Head	73.04	8.61
For>25 To 50, Deduct	-0.72	
For>50 To 100, Deduct	-4.37	
For>100 To 500, Deduct	-9.49	
For>500 To 1,000, Deduct	-15.59	
For>1,000, Deduct	-18.46	
21 13 13 00-0261 Sprinkler Escutcheon Extension Tube <small>(21 13 13 00-0200)</small>		
21 13 13 00-0262 EA 2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	17.49	4.31
Note: For use with 2 piece escutcheons		
For>25 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-1.23	
For>100 To 500, Deduct	-2.37	
For>500 To 1,000, Deduct	-4.37	
For>1,000, Deduct	-5.80	
21 13 13 00-0263 EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	22.44	4.52
Note: For use with 2 piece escutcheons		
For>25 To 50, Deduct	-0.38	
For>50 To 100, Deduct	-1.50	
For>100 To 500, Deduct	-2.99	
For>500 To 1,000, Deduct	-5.32	
For>1,000, Deduct	-6.83	
21 13 13 00-0264 EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	27.97	4.74
Note: For use with 2 piece escutcheons		
For>25 To 50, Deduct	-0.40	
For>50 To 100, Deduct	-1.79	
For>100 To 500, Deduct	-3.69	
For>500 To 1,000, Deduct	-6.38	
For>1,000, Deduct	-7.96	



Fire Suppression	21	21
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0265 EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	32.90	4.95
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-2.06	
For >100 To 500, Deduct	-4.32	
For >500 To 1,000, Deduct	-7.32	
For >1,000, Deduct	-8.97	
21 13 13 00-0266 Sprinkler Head Guards <small>(21 13 13 00-0200)</small>		
21 13 13 00-0267 EA Universal Sprinkler Head Guard, C-1	28.10	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.48	
For >100 To 500, Deduct	-4.05	
For >500 To 1,000, Deduct	-8.72	
For >1,000, Deduct	-13.02	
21 13 13 00-0268 EA Dry Pendent Sprinkler Head Guard, C-2	30.64	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.61	
For >100 To 500, Deduct	-4.37	
For >500 To 1,000, Deduct	-9.18	
For >1,000, Deduct	-13.48	
21 13 13 00-0269 EA Upright Sprinkler Head Guard With Water Shield, C-3	34.98	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.83	
For >100 To 500, Deduct	-4.91	
For >500 To 1,000, Deduct	-9.96	
For >1,000, Deduct	-14.26	
21 13 13 00-0270 EA Pendent Sprinkler Head Guard With Water Shield, C-5	40.33	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-3.09	
For >100 To 500, Deduct	-5.58	
For >500 To 1,000, Deduct	-10.92	
For >1,000, Deduct	-15.23	
21 13 13 00-0271 EA Universal Sprinkler Head Guard, D-1	30.54	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.60	
For >100 To 500, Deduct	-4.36	
For >500 To 1,000, Deduct	-9.16	
For >1,000, Deduct	-13.46	
21 13 13 00-0272 EA Upright Sprinkler Head Guard With Water Shield, D-3	32.19	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-2.69	
For >100 To 500, Deduct	-4.56	
For >500 To 1,000, Deduct	-9.45	
For >1,000, Deduct	-13.76	
21 13 13 00-0273 EA Pendent Sprinkler Head Guard With Large Water Shield, D-4	44.46	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-3.30	
For >100 To 500, Deduct	-6.10	
For >500 To 1,000, Deduct	-11.66	
For >1,000, Deduct	-15.97	
21 13 13 00-0274 EA Pendent Sprinkler Head Guard With Small Water Shield, D-5	42.00	12.92
For >25 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-3.18	
For >100 To 500, Deduct	-5.79	
For >500 To 1,000, Deduct	-11.22	
For >1,000, Deduct	-15.53	
21 13 13 00-0275 Replacement Sprinkler Escutcheon <small>(21 13 13 00-0200)</small>		
21 13 13 00-0276 EA Push On, Brass Replacement Sprinkler Escutcheon	12.85	4.74
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.00	
For >100 To 500, Deduct	-1.79	
For >500 To 1,000, Deduct	-3.53	
For >1,000, Deduct	-4.97	
21 13 13 00-0277 EA Push On, Chrome Replacement Sprinkler Escutcheon	12.77	4.74
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.00	
For >100 To 500, Deduct	-1.78	
For >500 To 1,000, Deduct	-3.52	
For >1,000, Deduct	-4.95	
21 13 13 00-0278 EA Push On, White Replacement Sprinkler Escutcheon	12.77	4.74
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.00	
For >100 To 500, Deduct	-1.78	
For >500 To 1,000, Deduct	-3.52	
For >1,000, Deduct	-4.95	
21 13 13 00-0279 EA Flush, Brass Replacement Sprinkler Escutcheon	12.77	4.74
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.00	
For >100 To 500, Deduct	-1.78	
For >500 To 1,000, Deduct	-3.52	
For >1,000, Deduct	-4.95	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0280 EA Flush, Chrome Replacement Sprinkler Escutcheon	12.77	4.74
For>25 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-1.00	
For>100 To 500, Deduct	-1.78	
For>500 To 1,000, Deduct	-3.52	
For>1,000, Deduct	-4.95	
21 13 13 00-0281 EA Flush, White Replacement Sprinkler Escutcheon	15.27	4.74
For>25 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-1.12	
For>100 To 500, Deduct	-2.09	
For>500 To 1,000, Deduct	-3.97	
For>1,000, Deduct	-5.40	
21 13 13 00-0282 EA Deep, Brass Replacement Sprinkler Escutcheon	12.77	4.74
For>25 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-1.00	
For>100 To 500, Deduct	-1.78	
For>500 To 1,000, Deduct	-3.52	
For>1,000, Deduct	-4.95	
21 13 13 00-0283 EA Deep, Chrome Replacement Sprinkler Escutcheon	12.77	4.74
For>25 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-1.00	
For>100 To 500, Deduct	-1.78	
For>500 To 1,000, Deduct	-3.52	
For>1,000, Deduct	-4.95	
21 13 13 00-0284 EA Deep, White Replacement Sprinkler Escutcheon	12.77	4.74
For>25 To 50, Deduct	-0.36	
For>50 To 100, Deduct	-1.00	
For>100 To 500, Deduct	-1.78	
For>500 To 1,000, Deduct	-3.52	
For>1,000, Deduct	-4.95	
21 13 13 00-0285 Pendent Shield And O-Ring Assembly (21 13 13 00-0200)		
21 13 13 00-0286 EA Pendent Shield And O-Ring Assembly	21.09	9.48
For>25 To 50, Deduct	-0.72	
For>50 To 100, Deduct	-1.77	
For>100 To 500, Deduct	-3.00	
For>500 To 1,000, Deduct	-6.24	
For>1,000, Deduct	-9.11	
21 13 13 00-0287 Replacement Insulating Sealing Assembly (21 13 13 00-0200)		
21 13 13 00-0288 EA Insulating Sealing Assembly	83.54	21.53
For>100 To 500, Deduct	-11.52	
For>500 To 1,000, Deduct	-22.36	
21 13 13 00-0289 Flexible Sprinkler Piping (21 13 13 00-0011)		
Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290 EA 2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	86.15	22.24
Note: Includes ceiling mounting bracket.		
For>25 To 50, Deduct	-2.24	
For>50 To 100, Deduct	-6.55	
For>100 To 500, Deduct	-11.89	
For>500 To 1,000, Deduct	-23.13	
For>1,000, Deduct	-32.10	
21 13 13 00-0291 EA 3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	94.81	22.96
Note: Includes ceiling mounting bracket.		
For>25 To 50, Deduct	-2.36	
For>50 To 100, Deduct	-7.10	
For>100 To 500, Deduct	-13.03	
For>500 To 1,000, Deduct	-25.09	
For>1,000, Deduct	-34.53	
21 13 13 00-0292 EA 4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	103.68	24.39
Note: Includes ceiling mounting bracket.		
For>25 To 50, Deduct	-2.49	
For>50 To 100, Deduct	-7.68	
For>100 To 500, Deduct	-14.21	
For>500 To 1,000, Deduct	-27.13	
For>1,000, Deduct	-37.10	
21 13 13 00-0293 EA 5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	112.91	25.83
Note: Includes ceiling mounting bracket.		
For>25 To 50, Deduct	-2.64	
For>50 To 100, Deduct	-8.28	
For>100 To 500, Deduct	-15.43	
For>500 To 1,000, Deduct	-29.29	
For>1,000, Deduct	-39.85	
21 13 13 00-0294 EA 6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	122.49	28.70
Note: Includes ceiling mounting bracket.		
For>25 To 50, Deduct	-2.80	
For>50 To 100, Deduct	-8.93	
For>100 To 500, Deduct	-16.71	
For>500 To 1,000, Deduct	-31.58	
For>1,000, Deduct	-42.79	



Fire Suppression	21	21
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0295 Sprinkler Emergency Cabinets <small>(21 13 13 00-0011)</small>		
21 13 13 00-0296 EA 3 Capacity Emergency Sprinkler Cabinet, A4.....	150.93	
21 13 13 00-0297 EA 6 Capacity Emergency Sprinkler Cabinet, A4.....	158.10	
21 13 13 00-0298 EA 12 Capacity Emergency Sprinkler Cabinet, A4.....	168.68	
21 13 13 00-0299 EA 12 Capacity Emergency Sprinkler Cabinet, A3.....	535.91	
21 13 13 00-0300 EA Sprinkler Wrench, RC1.....	261.88	
21 13 13 00-0301 EA Sprinkler Wrench, FC.....	260.87	
21 13 13 00-0302 EA Sprinkler Wrench, W2.....	86.62	
21 13 16 Dry-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly <small>(21 13 16)</small>		
Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1411 for individual grooved pipe, 23 21 13 23-1484 for individual grooved pipe fittings.		
21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003 EA Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,176.80	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	521.09	
For >5 To 10, Add	243.60	
For >10 To 20, Add	193.23	
For >20 To 40, Add	84.02	
For >100 To 150, Deduct	-117.68	
For >150, Deduct	-235.36	
For Copper Pipe, Add	151.34	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-210.18	
21 13 16 00-0004 EA Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,406.75	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	631.02	
For >5 To 10, Add	311.48	
For >10 To 20, Add	243.16	
For >20 To 40, Add	104.50	
For >100 To 150, Deduct	-140.68	
For >150, Deduct	-281.35	
For Copper Pipe, Add	176.85	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-247.19	
For Work In Restricted Working Space, Add	204.97	
21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies <small>(21 13 16 00-0001)</small>		
21 13 16 00-0006 EA Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,138.47	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	505.13	
For >5 To 10, Add	238.19	
For >10 To 20, Add	188.46	
For >20 To 40, Add	81.79	
For >100 To 150, Deduct	-113.85	
For >150, Deduct	-227.69	
For Copper Pipe, Add	145.90	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-202.82	
21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,364.11	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	613.14	
For >5 To 10, Add	305.15	
For >10 To 20, Add	237.66	
For >20 To 40, Add	101.95	
For >100 To 150, Deduct	-136.41	
For >150, Deduct	-272.82	
For Copper Pipe, Add	170.87	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-239.07	
For Work In Restricted Working Space, Add	202.49	
21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies <small>(21 13 16 00-0001)</small>		
21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,070.93	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	474.72	
For >5 To 10, Add	222.97	
For >10 To 20, Add	176.62	
For >20 To 40, Add	76.72	
For >100 To 150, Deduct	-107.09	
For >150, Deduct	-214.19	
For Copper Pipe, Add	137.47	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-191.01	

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0010 EA Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,269.57	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	570.70	
For >5 To 10, Add	284.13	
For >10 To 20, Add	221.26	
For >20 To 40, Add	94.91	
For >100 To 150, Deduct	-126.96	
For >150, Deduct	-253.91	
For Copper Pipe, Add	159.00	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-222.48	
For Work In Restricted Working Space, Add	188.61	
21 13 16 00-0011 Dry-Pipe Sprinkler System Compressors (21 13 16 00-0001)		
21 13 16 00-0012 EA Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	2,767.80	415.16
21 13 16 00-0013 EA Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	2,883.48	415.16
21 13 16 00-0014 EA Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,981.08	415.16
21 13 16 00-0015 EA Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	3,360.63	415.16
21 13 16 00-0016 Dry Pipe Sprinkler System Components (21 13 16)		
21 13 16 00-0017 Dry Pipe Valves (21 13 16 00-0016)		
Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018 EA 2-1/2" Dry Pipe Valve.....	4,236.93	167.79
21 13 16 00-0019 EA 3" Dry Pipe Valve.....	4,717.76	192.20
21 13 16 00-0020 EA 4" Dry Pipe Valve.....	5,271.89	326.44
21 13 16 00-0021 EA 6" Dry Pipe Valve.....	6,685.31	411.86
21 13 16 00-0022 Dry Pipe Valve Trim (21 13 16 00-0016)		
Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023 EA 2-1/2" Dry Pipe Valve Trim.....	1,975.40	355.12
21 13 16 00-0024 EA 3" Dry Pipe Valve Trim.....	1,975.40	355.12
21 13 16 00-0025 EA 4" Dry Pipe Valve Trim.....	2,296.08	486.92
21 13 16 00-0026 EA 6" Dry Pipe Valve Trim.....	2,613.37	677.29
21 13 16 00-0027 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0028 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	259.93	28.42
For >25 To 50, Deduct	-4.31	
For >50 To 100, Deduct	-17.30	
For >100 To 500, Deduct	-34.64	
For >500 To 1,000, Deduct	-61.42	
For >1,000, Deduct	-78.64	
21 13 16 00-0029 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	269.94	28.42
For >25 To 50, Deduct	-4.31	
For >50 To 100, Deduct	-17.80	
For >100 To 500, Deduct	-35.90	
For >500 To 1,000, Deduct	-63.23	
For >1,000, Deduct	-80.45	
21 13 16 00-0030 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	279.96	28.42
For >25 To 50, Deduct	-4.31	
For >50 To 100, Deduct	-18.30	
For >100 To 500, Deduct	-37.15	
For >500 To 1,000, Deduct	-65.03	
For >1,000, Deduct	-82.25	
21 13 16 00-0031 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	290.00	28.42
For >25 To 50, Deduct	-4.31	
For >50 To 100, Deduct	-18.81	
For >100 To 500, Deduct	-38.40	
For >500 To 1,000, Deduct	-66.84	
For >1,000, Deduct	-84.06	
21 13 16 00-0032 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	300.02	28.42
For >25 To 50, Deduct	-4.31	
For >50 To 100, Deduct	-19.31	
For >100 To 500, Deduct	-39.66	
For >500 To 1,000, Deduct	-68.64	
For >1,000, Deduct	-85.86	
21 13 16 00-0033 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	310.04	28.42
For >25 To 50, Deduct	-4.31	
For >50 To 100, Deduct	-19.81	
For >100 To 500, Deduct	-40.91	
For >500 To 1,000, Deduct	-70.44	
For >1,000, Deduct	-87.66	
21 13 16 00-0034 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	320.05	28.42
For >25 To 50, Deduct	-4.31	
For >50 To 100, Deduct	-20.31	
For >100 To 500, Deduct	-42.16	
For >500 To 1,000, Deduct	-72.25	
For >1,000, Deduct	-89.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0035 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	330.09	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-20.81	
<i>For >100 To 500, Deduct</i>	-43.41	
<i>For >500 To 1,000, Deduct</i>	-74.05	
<i>For >1,000, Deduct</i>	-91.27	
21 13 16 00-0036 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	340.10	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-21.31	
<i>For >100 To 500, Deduct</i>	-44.67	
<i>For >500 To 1,000, Deduct</i>	-75.86	
<i>For >1,000, Deduct</i>	-93.08	
21 13 16 00-0037 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	350.12	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-21.81	
<i>For >100 To 500, Deduct</i>	-45.92	
<i>For >500 To 1,000, Deduct</i>	-77.66	
<i>For >1,000, Deduct</i>	-94.88	
21 13 16 00-0038 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	360.16	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-22.31	
<i>For >100 To 500, Deduct</i>	-47.17	
<i>For >500 To 1,000, Deduct</i>	-79.47	
<i>For >1,000, Deduct</i>	-96.69	
21 13 16 00-0039 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	370.18	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-22.81	
<i>For >100 To 500, Deduct</i>	-48.43	
<i>For >500 To 1,000, Deduct</i>	-81.27	
<i>For >1,000, Deduct</i>	-98.49	
21 13 16 00-0040 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	380.22	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-23.32	
<i>For >100 To 500, Deduct</i>	-49.68	
<i>For >500 To 1,000, Deduct</i>	-83.08	
<i>For >1,000, Deduct</i>	-100.30	
21 13 16 00-0041 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	390.22	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-23.82	
<i>For >100 To 500, Deduct</i>	-50.93	
<i>For >500 To 1,000, Deduct</i>	-84.88	
<i>For >1,000, Deduct</i>	-102.10	
21 13 16 00-0042 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	400.25	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-24.32	
<i>For >100 To 500, Deduct</i>	-52.18	
<i>For >500 To 1,000, Deduct</i>	-86.68	
<i>For >1,000, Deduct</i>	-103.90	
21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0044 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	257.51	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-17.18	
<i>For >100 To 500, Deduct</i>	-34.34	
<i>For >500 To 1,000, Deduct</i>	-60.99	
<i>For >1,000, Deduct</i>	-78.21	
21 13 16 00-0045 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	267.55	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-17.68	
<i>For >100 To 500, Deduct</i>	-35.60	
<i>For >500 To 1,000, Deduct</i>	-62.80	
<i>For >1,000, Deduct</i>	-80.02	
21 13 16 00-0046 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	277.59	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-18.18	
<i>For >100 To 500, Deduct</i>	-36.85	
<i>For >500 To 1,000, Deduct</i>	-64.60	
<i>For >1,000, Deduct</i>	-81.82	
21 13 16 00-0047 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	287.58	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-18.68	
<i>For >100 To 500, Deduct</i>	-38.10	
<i>For >500 To 1,000, Deduct</i>	-66.40	
<i>For >1,000, Deduct</i>	-83.62	
21 13 16 00-0048 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	297.61	28.42
<i>For >25 To 50, Deduct</i>	-4.31	
<i>For >50 To 100, Deduct</i>	-19.19	
<i>For >100 To 500, Deduct</i>	-39.35	
<i>For >500 To 1,000, Deduct</i>	-68.21	
<i>For >1,000, Deduct</i>	-85.43	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0049 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	307.62	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-19.69	
For>100 To 500, Deduct	-40.61	
For>500 To 1,000, Deduct	-70.01	
For>1,000, Deduct	-87.23	
21 13 16 00-0050 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	317.67	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-20.19	
For>100 To 500, Deduct	-41.86	
For>500 To 1,000, Deduct	-71.82	
For>1,000, Deduct	-89.04	
21 13 16 00-0051 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	327.69	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-20.69	
For>100 To 500, Deduct	-43.11	
For>500 To 1,000, Deduct	-73.62	
For>1,000, Deduct	-90.84	
21 13 16 00-0052 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	337.69	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-21.19	
For>100 To 500, Deduct	-44.36	
For>500 To 1,000, Deduct	-75.42	
For>1,000, Deduct	-92.64	
21 13 16 00-0053 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	347.71	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-21.69	
For>100 To 500, Deduct	-45.62	
For>500 To 1,000, Deduct	-77.22	
For>1,000, Deduct	-94.44	
21 13 16 00-0054 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	357.75	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-22.19	
For>100 To 500, Deduct	-46.87	
For>500 To 1,000, Deduct	-79.03	
For>1,000, Deduct	-96.25	
21 13 16 00-0055 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	367.76	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-22.69	
For>100 To 500, Deduct	-48.12	
For>500 To 1,000, Deduct	-80.83	
For>1,000, Deduct	-98.05	
21 13 16 00-0056 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	397.85	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-24.20	
For>100 To 500, Deduct	-51.88	
For>500 To 1,000, Deduct	-86.25	
For>1,000, Deduct	-103.47	
21 13 16 00-0057 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	407.87	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-24.70	
For>100 To 500, Deduct	-53.14	
For>500 To 1,000, Deduct	-88.05	
For>1,000, Deduct	-105.27	
21 13 16 00-0058 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	411.87	28.42
For>25 To 50, Deduct	-4.31	
For>50 To 100, Deduct	-24.90	
For>100 To 500, Deduct	-53.64	
For>500 To 1,000, Deduct	-88.77	
For>1,000, Deduct	-105.99	
21 13 16 00-0059 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0060 EA 23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,114.14	28.42
For>25 To 50, Deduct	-4.66	
For>50 To 100, Deduct	-60.37	
For>100 To 500, Deduct	-141.60	
For>500 To 1,000, Deduct	-216.40	
For>1,000, Deduct	-235.06	
21 13 16 00-0061 EA 30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,114.14	28.42
For>25 To 50, Deduct	-4.66	
For>50 To 100, Deduct	-60.37	
For>100 To 500, Deduct	-141.60	
For>500 To 1,000, Deduct	-216.40	
For>1,000, Deduct	-235.06	
21 13 16 00-0062 EA 36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,114.14	28.42
For>25 To 50, Deduct	-4.66	
For>50 To 100, Deduct	-60.37	
For>100 To 500, Deduct	-141.60	
For>500 To 1,000, Deduct	-216.40	
For>1,000, Deduct	-235.06	



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0063 EA 36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,114.14	28.42
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-60.37	
For >100 To 500, Deduct	-141.60	
For >500 To 1,000, Deduct	-216.40	
For >1,000, Deduct	-235.06	
21 13 19 Preaction Sprinkler Systems (21 13)		
21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies (21 13 19)		
Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1411 for individual grooved pipe, 23 21 13 23-1484 for individual grooved pipe fittings.		
21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)		
21 13 19 00-0003 EA Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly	1,049.09	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	469.38	
For >5 To 10, Add	284.43	
For >10 To 20, Add	179.52	
For >20 To 40, Add	77.32	
For >100 To 150, Deduct	-104.91	
For >150, Deduct	-209.82	
21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)		
21 13 19 00-0005 EA Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly	976.42	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	436.92	
For >5 To 10, Add	264.81	
For >10 To 20, Add	167.17	
For >20 To 40, Add	72.00	
For >100 To 150, Deduct	-97.64	
For >150, Deduct	-195.28	
21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)		
21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)		
See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)		
21 13 26 00-0003 EA 3" Deluge Valve With Trim And Release Equipment	7,746.27	797.27
21 13 26 00-0004 EA 4" Deluge Valve With Trim And Release Equipment	8,876.08	896.85
21 13 26 00-0005 EA 6" Deluge Valve With Trim And Release Equipment	11,074.73	1,304.53
21 13 39 Foam-Water Systems (21 13)		
21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002 Control Valves (21 13 39 00-0001)		
21 13 39 00-0003 EA 3" Foam Control Valve.....	3,826.50	797.27
21 13 39 00-0004 Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve	3,529.78	896.85
21 13 39 00-0006 Proportioners (21 13 39 00-0001)		
21 13 39 00-0007 EA 8" Foam Proportioner.....	3,164.03	1,304.53
21 13 39 00-0008 Monitors (21 13 39 00-0001)		
21 13 39 00-0009 EA Oscillating Foam Monitor.....	3,683.21	179.37
21 13 41 Fire-Suppression Sprinkler Piping (21 13)		
See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0813 for flanged black steel pipe fittings, 23 21 13 23-1411 for grooved pipe, 23 21 13 23-1484 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
Note: SDR 13.5		
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	7.20 1.72	2.29
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	8.41 1.85	2.44
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	10.26 2.02	2.73
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	12.34 2.24	3.02
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	15.47 2.50	3.30
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	20.62 2.84	3.73
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	28.17 3.36	4.45
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	36.34 10.33	13.78
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	47.32 12.96	17.22
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	59.18 16.19	21.53
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	67.09 17.91	23.82
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	75.79 19.97	26.69
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	93.46 22.73	30.28
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	113.62 26.86	35.87
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	37.01 10.33	13.78
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	46.25 12.96	17.22
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	58.37 16.19	21.53
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	65.80 17.91	23.82
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	74.17 19.97	26.69
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	89.39 22.73	30.28
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	109.14 26.86	35.87
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	54.23 15.50	20.66
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	69.94 19.46	25.97
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	88.59 24.28	32.43
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	100.80 26.86	35.87
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	116.56 29.96	39.89
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	140.77 34.10	45.49
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	166.32 40.30	53.66
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	64.74 18.12	24.25
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	83.42 22.64	30.28
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	93.14 25.06	33.44
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	108.61 27.98	37.31
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	127.12 31.81	42.48



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	149.75 37.62	50.08
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	72.95 20.66	27.55
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	91.47 25.92	34.58
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	114.96 32.37	43.19
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	129.01 35.82	47.78
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	149.03 39.95	53.24
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	186.11 45.46	60.55
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	24.78 6.89	9.18
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	33.22 9.26	12.34
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	43.93 12.14	16.21
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	49.71 13.43	17.93
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	56.63 14.98	19.95
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	67.07 17.05	22.67
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	80.52 20.15	26.84
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	12.57 3.44	4.59
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	20.07 5.55	7.46
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	22.74 6.07	8.04
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	25.84 6.71	8.89
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	30.19 7.49	10.05
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	35.95 8.53	11.34
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	45.79 10.07	13.49
21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	35.43 10.20	13.63
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	46.79 13.34	17.79
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	51.73 14.77	19.66
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	58.63 16.49	21.96
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	68.87 18.77	24.97
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	83.40 22.17	29.56
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	30.00 7.58	10.05
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	39.03 10.20	13.63
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	30.00 7.58	10.05
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	39.03 10.20	13.63
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	35.40 9.30	12.34
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	45.07 11.67	15.50
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	46.42 11.67	15.50
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	58.36 15.50	20.66
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	72.11 19.46	25.97
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	93.00 24.28	32.43
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	105.48 26.86	35.87
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	122.25 29.96	39.89

21 20 Fire-Extinguishing Systems (21)**21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)****21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)****21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)**

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB.....	4,881.26	310.16
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	9,762.51	620.32
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	571.85	163.26
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle.....	274.78	56.68
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	60.73	22.98

21 22 Clean-Agent Fire-Extinguishing Systems (21 20)**21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)****21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)****21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)**

Note: ANSUL® SAPPHERE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635)..... Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.	1,661.44	105.74
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636)..... Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	1,887.49	105.74
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637)..... Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.	1,917.21	105.74
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638)..... Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.	2,717.21	140.98
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639)..... Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.	2,866.64	140.98
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640)..... Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.	3,075.97	176.23
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641)..... Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.	3,258.18	176.23
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586)..... Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.	4,889.51	211.47
21 22 16 00-0012	LB	Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	40.37	211.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	162.51	17.62
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	166.36	17.62
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	176.01	17.62
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	182.76	17.62
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	192.40	17.62
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	221.31	17.62
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	162.51	17.62
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	166.36	17.62
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	176.01	17.62
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	182.76	17.62
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	192.40	17.62
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	221.31	17.62
21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	16.52	5.29
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	18.18	5.29
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	27.38	12.34
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	57.77	15.79
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	81.71	15.79
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	96.97	15.79
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	52.26	15.79
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	379.33	140.98
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	350.29	105.74
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	737.97	140.98
21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	58.39	17.62
21 22 16 00-0039 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	62.74	17.62
21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	179.01	52.86
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	187.69	52.86
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	198.78	52.86
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	429.50	56.11
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	609.38	96.29
21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	146.65	35.25
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	501.44	35.25
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	425.27	35.25
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,851.48	140.98
21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	55.12	24.67
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	91.16	24.67
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	237.71	17.62
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	309.95	17.62
21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	205.09	70.49
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	185.51	29.60
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	587.03	123.35
21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	625.85	24.67
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	654.79	24.67
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	705.81	35.25
21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	57.71	21.15
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	71.41	24.67
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	250.22	105.74

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	283.29	105.74
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	310.77	105.74
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	399.46	105.74
21 22 16 00-0072 Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	70.26	28.20
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	101.28	17.62
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	142.33	35.25
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	399.58	140.98
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	568.29	140.98
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,751.20	140.98
21 22 16 00-0079 Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080 Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	198.09	34.92
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	228.92	37.53
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	409.72	67.93
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	833.05	154.71
21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,883.72	204.19
21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	59.01	10.71
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	688.40	114.73
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	2,143.85	358.97
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	2,055.11	365.72
21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,802.38	328.53
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	2,044.46	372.22
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,900.14	482.36
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,928.02	589.43
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	2,129.73	415.04
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,986.04	525.32
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	3,128.03	633.39
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	67.86	11.94
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	67.86	11.94
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	81.27	13.27
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,293.23	227.98
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	21.60	3.49
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	30.68	4.99
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	23.84	3.90
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	22.18	3.90
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	96.32	16.82
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	101.14	17.62
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714).....	117.35	20.35
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717).....	131.00	22.98
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720).....	150.26	26.42
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	147.70	26.04
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	153.15	26.81
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	141.26	24.82
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	145.43	26.81
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	167.92	29.49
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	179.47	31.40



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0124	EA			1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	193.28	33.69
21 22 16 00-0125	EA			2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	332.95	58.97
21 22 16 00-0126	EA			2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	440.17	77.35
21 22 16 00-0127	EA			3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	480.03	85.02
21 22 16 00-0128	EA			1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	172.09	30.61
21 22 16 00-0129	EA			3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	202.90	35.85
21 22 16 00-0130	EA			1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	166.94	29.49
21 22 16 00-0131	EA			3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	178.20	31.25
21 22 16 00-0132	EA			1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	179.80	31.40
21 22 16 00-0133	EA			1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	217.05	38.14
21 22 16 00-0134	EA			1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	234.05	41.35
21 22 16 00-0135	EA			2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	359.27	63.46
21 22 16 00-0136	EA			2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	419.63	74.29
21 22 16 00-0137	EA			3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	459.76	81.19
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)						
21 22 16 00-0139	EA			1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677).....	193.28	33.69
21 22 16 00-0140	EA			3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678).....	237.29	41.97
21 22 16 00-0141	EA			1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679).....	255.25	45.19
21 22 16 00-0142	EA			1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	359.27	63.46
21 22 16 00-0143	EA			1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	392.66	69.54
21 22 16 00-0144	EA			2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682).....	461.36	81.19
21 22 16 00-0145	EA			2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057).....	536.49	95.19
21 22 16 00-0146	EA			3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058).....	634.41	112.59
21 22 16 00-0147	EA			2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823).....	806.83	222.11
21 22 16 00-0148	EA			3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824).....	1,030.64	260.40
21 22 16 00-0149	EA			4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825).....	1,351.10	436.55
21 22 16 00-0150	EA			2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847).....	788.51	222.11
21 22 16 00-0151	EA			3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848).....	873.29	155.13
21 22 16 00-0152	EA			4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849).....	1,351.10	436.55
21 22 16 00-0153	EA			2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853).....	803.93	222.11
21 22 16 00-0154	EA			3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854).....	907.65	161.22
21 22 16 00-0155	EA			4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855).....	1,327.96	436.55
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)						
21 22 16 00-0157	EA			3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344).....	912.87	169.26
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)						
21 22 16 00-0159	EA			12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728).....	1,490.37	262.59
21 22 16 00-0160	EA			24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492).....	2,109.16	349.91
21 22 16 00-0161	EA			120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525).....	2,228.36	355.94
21 22 16 00-0162	EA			Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	104.99	18.10
21 22 16 00-0163	EA			LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	126.71	23.97
21 22 16 00-0164	EA			Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939).....	1,191.88	187.34
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)						
21 22 16 00-0166	EA			1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095).....	128.94	17.78
21 22 16 00-0167	EA			3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096).....	135.19	18.73
21 22 16 00-0168	EA			1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097).....	141.62	19.05
21 22 16 00-0169	EA			1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098).....	151.58	19.69
21 22 16 00-0170	EA			1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099).....	158.31	21.59
21 22 16 00-0171	EA			2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100).....	159.92	23.34
21 22 16 00-0172	EA			2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984).....	356.68	62.55
21 22 16 00-0173	EA			3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985).....	359.91	63.19
21 22 16 00-0174	EA			4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986).....	461.36	80.96
21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)						
21 22 16 00-0176	EA			Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704).....	167.92	29.49
21 22 16 00-0177	EA			Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....	244.21	67.40
<i>Note: Includes saddle, padding and fasteners.</i>						
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)						
21 22 16 00-0179	EA			2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856).....	420.33	43.58
<i>Note: Includes gasket and fasteners.</i>						
21 22 16 00-0180	EA			3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857).....	368.26	65.07
<i>Note: Includes gasket and fasteners.</i>						

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	817.05	436.55
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	230.85	40.70
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)..... Note: Includes gasket and fasteners.	270.97	47.48
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)..... Note: Includes gasket and fasteners.	812.18	436.55
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	240.47	42.63
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	281.58	49.68
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	836.28	436.55
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	44.45	3.23
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	45.09	3.56
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	48.78	4.21
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508) <small>(21 22 16 00-0079)</small>	29.44	5.18
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	240.48	39.38
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	184.59	39.38
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>		
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	190.07	33.98
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	216.08	38.74
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	274.82	49.22
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	296.02	53.03
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	370.81	66.68
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	394.58	70.81
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	756.74	136.54
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	60.49	10.16
21 22 16 00-0205		Alarm Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	164.70	29.53
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699).....	241.44	43.19
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	22.03	3.94
21 22 16 00-0209		Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,898.94	342.61
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,591.79	287.03
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,235.73	222.90
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,076.19	194.00
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,076.19	194.00
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	862.03	155.27
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,591.79	287.03
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	323.62	58.11
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	405.81	73.03
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	813.87	146.69
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	137.42	24.60
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)..... Note: For up to 4 LDM modules.	187.17	33.98
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	323.63	58.11



Fire Suppression	21	12
Fire-Extinguishing Systems	21 20	
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	252.66	47.31
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639).....	15.79	3.24
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640).....	100.51	3.94
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	17.31	3.94
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	562.14	106.05
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	336.78	63.19
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0232 EA 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	245.04	40.64
21 22 16 00-0233 EA 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	513.03	86.05
21 22 16 00-0234 EA 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	579.15	97.47
21 22 16 00-0235 EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	752.29	118.75
21 22 16 00-0236 EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	1,220.73	206.07
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	183.65	32.71
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	328.44	59.05
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	668.12	120.34
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,942.69	350.54
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,420.66	256.24
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	149.77	27.15
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	140.77	26.99
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	191.97	38.74
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	281.25	50.49
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	219.59	40.96
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	206.75	39.38
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487).....	32.94	6.28
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125).....	121.04	22.22
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066).....	120.71	21.59
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067).....	48.35	17.78
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138).....	11.09	1.97
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945).....	116.21	20.79
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699).....	68.12	12.26
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078).....	183.96	32.39
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	96.32	17.14
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661).....	27.54	4.61
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	16.91	2.54



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0261		Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262	EA	Transformer Only, VSP-TRAN-120, Vesda® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	241.44	43.19
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	723.05	124.15
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,387.29	250.20
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	36.90	6.48
21 22 16 00-0266		Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267		Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	186.24	30.48
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	432.92	45.95
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,040.12	177.82
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,040.12	177.82
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,562.55	266.71
		Note: Includes housing and battery cab.		
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,562.55	266.71
		Note: Includes housing and battery cab.		
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,256.74	339.74
21 22 16 00-0275		Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	33.54	5.71
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	49.06	5.71
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	72.51	10.80
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	110.47	12.07
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	143.56	24.13
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	258.55	30.48
21 22 16 00-0282		Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)..... Note: Includes 3 blank plates.	7,932.85	1,492.34
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)..... Note: Includes centrally mounted LCD programmer module and standard display.	10,089.02	1,841.62
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)..... Note: Includes centrally mounted LCD programmer.	9,131.89	1,682.86
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	12,636.79	2,222.65
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,309.39	2,349.65
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	12,779.63	2,254.39
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360)	13,497.12	2,381.40
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)..... Note: Includes 2 blank plates and scan display module at far right.	13,896.93	2,476.66
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363)..... Note: Includes 2 blank plates and scanner display.	14,510.09	2,603.67
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365)..... Note: Includes centrally mounted programmer module.	15,248.27	2,730.67
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367)..... Note: Includes centrally mounted LCD programmer module and scanner display module.	15,904.80	2,857.68
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369)..... Note: Includes centrally mounted LCD programmer.	14,904.73	2,603.67
21 22 16 00-0295		Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381)..... Note: Includes a remote termination card and 7 relays.	2,358.62	349.28
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385)	2,369.24	349.28
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383)	2,136.66	317.52
		Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387)	2,148.99	317.52
		Note: Includes a remote termination card.		
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389)	2,650.30	381.03
		Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	2,255.59	330.22



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	21 22 16 00-0302 EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,473.98	370.86
21 22 16 00-0303		Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
	21 22 16 00-0304 EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	6,020.01	1,047.82
	21 22 16 00-0305 EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,944.97	838.26
	21 22 16 00-0306 EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,759.47	317.52
	21 22 16 00-0307 EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,255.00	206.39
	21 22 16 00-0308 EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,743.60	278.15
	21 22 16 00-0309 EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)	2,547.87	342.92
	21 22 16 00-0310 EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	328.35	51.44
	21 22 16 00-0311 EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,181.76	317.52
	21 22 16 00-0312 EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,577.66	263.55
	21 22 16 00-0313 EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,237.07	203.21
	21 22 16 00-0314 EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,579.97	263.55
	21 22 16 00-0315 EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,577.66	263.55
	21 22 16 00-0316 EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,553.17	247.67
	21 22 16 00-0317 EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	183.66	22.22
	21 22 16 00-0318 EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,516.34	1,219.28
	21 22 16 00-0319 EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	13,102.06	2,133.74
	21 22 16 00-0320 EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,019.65	158.76
	21 22 16 00-0321 EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	22.98	3.18
	21 22 16 00-0322 EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	12.36	0.63
	21 22 16 00-0323 EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	564.15	92.08
	21 22 16 00-0324 EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	683.59	111.76
	21 22 16 00-0325 EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	987.12	161.94
	21 22 16 00-0326 EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	145.59	24.13
	21 22 16 00-0327 EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	23.43	5.08
21 22 16 00-0328		Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
	21 22 16 00-0329 EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	20.86	3.81
	21 22 16 00-0330 EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	22.15	4.44
	21 22 16 00-0331 EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	33.54	5.71
	21 22 16 00-0332 EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	33.58	5.71
	21 22 16 00-0333 EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	122.18	21.59
21 22 16 00-0334		Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
	21 22 16 00-0335 EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	297.70	45.72
	21 22 16 00-0336 EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	400.77	60.96
	21 22 16 00-0337 EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	412.30	66.68
	21 22 16 00-0338 EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	967.28	95.25
	21 22 16 00-0339 EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,460.52	209.56
21 22 16 00-0340		Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
	21 22 16 00-0341 LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	7.17	2.29
	21 22 16 00-0342 EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	12.67	4.59
	21 22 16 00-0343 EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	35.61	13.78
	21 22 16 00-0344 EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	36.48	13.78
	21 22 16 00-0345 EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	24.94	9.18
	21 22 16 00-0346 EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	39.51	13.78
	21 22 16 00-0347 EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	54.38	20.66
	21 22 16 00-0348 EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	66.91	24.25
	21 22 16 00-0349 LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	6.22	2.30
	21 22 16 00-0350 EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	23.49	6.99

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	26.82	5.08
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	38.31	6.99
21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,707.90	243.86
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,758.16	280.69
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,065.03	171.46
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,215.74	193.69
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,707.90	243.86
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	2,053.68	280.69
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	586.20	86.36
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	882.85	132.08
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,675.82	273.07
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,458.18	400.07
21 22 16 00-0364 Preferred® Low Pressure CO2 System (21 22 16 00-0001)		
21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)		
21 22 16 00-0366 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	133.04	22.22
Note: Excludes FMM-101.		
21 22 16 00-0367 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	99.45	16.51
21 22 16 00-0368 Industrial Fire Control System (21 22 16 00-0001)		
21 22 16 00-0369 Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0370 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,245.85	585.82
21 22 16 00-0371 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	96.89	13.46
21 22 16 00-0372 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	97.92	17.47
21 22 16 00-0373 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	58.37	10.48
21 22 16 00-0374 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	23.84	4.25
21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0376 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	109.96	18.42
21 22 16 00-0377 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	155.08	26.03
21 22 16 00-0378 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,211.38	204.48
21 22 16 00-0379 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	35.20	5.90
21 22 16 00-0380 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	15.77	2.63
21 22 16 00-0381 Marine Fire Control System (21 22 16 00-0001)		
21 22 16 00-0382 Alarm Devices, Marine Fire Control System (21 22 16 00-0381)		
21 22 16 00-0383 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	63.77	10.67
21 22 16 00-0384 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	118.04	20.64
21 22 16 00-0385 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	118.04	20.64
21 22 16 00-0386 FM200 System Equipment (21 22 16)		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system	3,672.86	153.18
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system	5,247.46	175.39
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system	6,228.41	206.79
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system	8,243.28	245.08
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system	12,854.52	306.36
21 22 16 00-0392 EA Electro/Mechanical Release, For FM200 Fire Protection system	918.76	306.36
21 22 16 00-0393 EA Manual Pull Station, For FM200 Fire Protection system	318.47	101.86
21 22 16 00-0394 EA Pneumatic Damper Release, For FM200 Fire Protection system	369.96	76.59
21 22 16 00-0395 LB FM200 Gas	29.09	
21 22 16 00-0396 EA Master Cylinder, For FM200 Fire Protection system	5,926.43	82.41
21 22 16 00-0397 EA Shuttle Check Valve, For FM200 Fire Protection system	892.48	115.19
21 22 16 00-0398 EA Flex Head Cylinder, For FM200 Fire Protection system	892.92	123.46
21 22 16 00-0399 EA Nozzles, For FM200 Fire Protection system	227.60	43.66
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system	279.15	82.41
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system	1,142.27	123.46
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system	953.76	325.66
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system	4,538.96	611.80
21 22 16 00-0404 EA Control Panel, Multi Zone, For FM200 Fire Protection system	7,448.81	1,224.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system	394.58	123.46
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system.....	3,663.06	463.67
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system.....	424.00	123.46
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system.....	391.74	123.46
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system.....	1,703.52	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system.....	259.56	57.45

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)
Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003 EA 125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent.....	978.83	126.88
21 23 16 00-0004 EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,131.09	158.04
21 23 16 00-0005 EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,386.75	194.98
21 23 16 00-0006 EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,638.15	231.35
21 23 16 00-0007 EA Discharge Adapter Kit (One Required Per Cylinder).....	54.60	6.63
21 23 16 00-0008 EA System Valve Actuator	197.54	26.37
21 23 16 00-0009 EA Vent Plug	37.26	5.36
21 23 16 00-0010 EA Gauge Shield.....	100.21	14.10
21 23 16 00-0011 EA 125 Cylinder Wall Mounting Bracket.....	102.07	14.10
21 23 16 00-0012 EA 260 Cylinder Wall Mounting Bracket.....	108.20	14.94
21 23 16 00-0013 EA 400S And M Cylinder Wall Mounting Bracket.....	205.53	28.20
21 23 16 00-0014 EA 600 And 400M Cylinder Shelf Bracket.....	204.27	32.01
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit	292.51	32.08
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	40.84	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	42.90	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)

21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle	91.66	12.97
21 23 16 00-0020 EA LPF Or DM Nozzle.....	99.04	12.97
21 23 16 00-0021 EA LPR Nozzle.....	114.25	12.97
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles	68.48	9.16
21 23 16 00-0023 EA Removal And Replacement Of Nozzle Seals	10.83	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap	6.65	0.84
21 23 16 00-0025 EA LPR Nozzle Disc Cap	42.26	12.90

21 23 16 00-0026 Control Systems (21 23 16 00-0001)

21 23 16 00-0027 EA XV Control System	1,220.46	84.59
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028 EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	106.38	14.10
21 23 16 00-0029 EA 24" High Pressure Hose	124.89	14.10
21 23 16 00-0030 EA 60" High Pressure Hose	166.04	14.10
21 23 16 00-0031 EA XV Solenoid Kit (Electric Actuator), 24 Volt DC.....	243.60	28.20
21 23 16 00-0032 EA XV Microswitch Kit, SPDT	82.06	13.25
21 23 16 00-0033 EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	88.23	13.25
21 23 16 00-0034 EA EMT Connector Kit (EMT Connector And O-Ring).....	37.61	10.57
21 23 16 00-0035 EA KRS-50 Control Box Assembly.....	689.42	54.63
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036 EA SPDT Microswitch For KRS-50.....	95.88	13.25
21 23 16 00-0037 EA DPDT Microswitch For KRS-50	172.99	22.98
21 23 16 00-0038 EA SPDT Pressure Switch (Fire Department Tie-In).....	532.76	73.73

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040 EA Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	67.39	21.15
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041 EA XV Low Profile Link Detector Housing Kit.....	95.78	21.15
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	242.16	14.10
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip	186.61	14.10
21 23 16 00-0044 EA Corner Pulley, Mechanical Actuation Systems	26.80	3.81
21 23 16 00-0045 EA Double Tee Pulley, Mechanical Actuation Systems.....	355.05	23.26
21 23 16 00-0046 EA In-Line Tee Pulley, Mechanical Actuation Systems	44.80	6.20
21 23 16 00-0047 EA Corner Pulley / Quik-Seal Adapter Combination.....	98.45	7.05
21 23 16 00-0048 LF 1/16" Cable, Mechanical Actuation Systems	3.28	1.41
21 23 16 00-0049 EA Cable Clamp.....	13.75	0.70
21 23 16 00-0050 EA Cable Crimp Sleeve, Mechanical Actuation Systems	1.95	0.56
21 23 16 00-0051 EA "S" Hook, Mechanical Actuation Systems.....	1.89	0.56
21 23 16 00-0052 EA 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	95.56	13.11

21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0054 EA KGS Standard Response Link	22.66	7.05
21 23 16 00-0055 EA KGS Rapid Response Link	31.23	7.05
21 23 16 00-0056 EA KFA Type "A" Fusible Link.....	27.39	7.05
21 23 16 00-0057 EA KML Type "ML" Fusible Link.....	28.50	7.05
21 23 16 00-0058 EA 500 Degree, KML Type "ML" Fusible Link	40.84	7.05
21 23 16 00-0059 Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060 EA 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	416.73	30.45
21 23 16 00-0061 EA 1" NPT Mechanical Cable Operated Gas Shut-off Valve	455.99	37.50
21 23 16 00-0062 EA 1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	526.02	47.37
21 23 16 00-0063 EA 1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	578.56	54.56
21 23 16 00-0064 EA 2" NPT Mechanical Cable Operated Gas Shut-off Valve	627.91	64.43
21 23 16 00-0065 EA 2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	1,034.36	94.17
21 23 16 00-0066 EA 3" NPT Mechanical Cable Operated Gas Shut-off Valve	1,157.13	108.97
21 23 16 00-0067 EA Pneumatic Release (Single Unit).....	473.25	34.40
21 23 16 00-0068 EA Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	66.41	
21 23 16 00-0069 EA 1/2" Electric Solenoid Gas Shut-off Valve	433.15	28.34
21 23 16 00-0070 EA 3/4" Electric Solenoid Gas Shut-off Valve	437.40	30.45
21 23 16 00-0071 EA 1" Electric Solenoid Gas Shut-off Valve.....	670.10	37.50
21 23 16 00-0072 EA 1-1/4" Electric Solenoid Gas Shut-off Valve.....	713.55	47.37
21 23 16 00-0073 EA 1-1/2" Electric Solenoid Gas Shut-off Valve	819.24	54.56
21 23 16 00-0074 EA 2" Electric Solenoid Gas Shut-off Valve	1,050.22	64.43
21 23 16 00-0075 EA 2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,729.84	94.17
21 23 16 00-0076 EA 3" Electric Solenoid Gas Shut-off Valve	2,168.60	108.97
21 23 16 00-0077 EA Manual Reset Relay.....	645.18	141.69
21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)		
21 23 16 00-0079 EA 3/8" Tubing, Compression Seal Adapter	48.75	5.92
21 23 16 00-0080 EA 1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	48.31	6.49
21 23 16 00-0081 EA 5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	56.81	7.75
21 23 16 00-0082 EA 3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	65.25	8.32
21 23 16 00-0083 EA 1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	56.81	7.75
21 23 16 00-0084 EA 3/8" NPT Female, Quik-Seal Adapter	48.31	6.49
21 23 16 00-0085 EA 1/2" NPT Female, Quik-Seal Adapter	48.31	6.49
21 23 16 00-0086 EA 3/4" NPT Female, Quik-Seal Adapter	79.53	11.00
21 23 16 00-0087 EA 1" NPT Female, Quik-Seal Adapter	105.85	14.52
21 23 16 00-0088 EA Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	48.31	
21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	349.41	42.58
21 23 16 00-0091 EA KRS-100 Actuator Assembly	315.68	43.42
21 23 16 00-0092 EA KRS-100 Mounting Bracket	236.88	10.72
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder	905.56	122.79
21 23 16 00-0094 EA KRS-700 Mounting Bracket	192.83	26.23
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit.....	285.61	26.23
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems	279.33	18.61
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems	88.78	11.85
21 23 16 00-0098 EA Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	11.62	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch.....	725.99	98.69
21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	925.04	100.10
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	1,332.51	144.22
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,753.24	197.23
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	190.85	23.54
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	1,256.21	153.95
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	766.98	93.89
21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	24.77	3.10
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	24.77	3.10
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	25.33	3.10
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	24.77	3.10
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	24.77	3.10
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	26.82	3.10
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	42.91	5.22
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	55.71	6.91
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	80.03	35.67
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	541.76	79.37
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	436.97	30.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	498.96	37.50
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	541.55	47.37
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	596.73	54.42
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	687.18	64.29
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	1,576.42	94.03
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	1,685.89	108.83
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	345.75	30.45
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	583.33	37.50
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	612.22	47.37
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	697.04	54.42
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	960.78	64.29
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	1,845.43	94.03
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,950.38	108.83
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	88.61	10.43
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	125.16	13.25
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	467.05	13.25
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	32.79	4.09
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	1,074.22	132.38
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	1,369.08	169.32
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	702.26	86.70
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	847.32	104.47
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	774.78	95.59
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	808.76	99.95
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	1,053.38	129.98
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	1,208.53	149.44
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	98.16	12.13
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	24.12	1.97
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	25.01	2.53
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	78.70	9.72
21 23 16 00-0155 EA Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	1.04	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	85.57	10.57
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	171.38	21.01
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	362.69	44.55
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.81	0.42
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	1.15	0.42
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	4.25	0.56
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.79	
21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166 EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	81.35	10.15
21 23 16 00-0167 EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	84.92	10.57
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	9.94	1.27
21 23 16 00-0169 EA 225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236).....	116.47	13.82
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	16.36	1.97
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	22.78	2.82
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715).....	9.94	1.27
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	14.01	1.69
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	13.70	1.69
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	3.92	0.42
21 23 16 00-0176 EA Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	6.63	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	126.89	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	858.12	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	1,117.02	

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	1,291.68	
21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	39.80	4.80
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	41.24	5.08
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	79.40	9.72
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	112.36	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	241.50	
21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	160.51	19.88
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	174.44	27.91
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	42.91	5.22
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	6.18	1.83
21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,655.44	310.16
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,739.94	310.16
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	880.04	70.49
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19)	824.85	70.49
21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
Note: Amerex or equal.		
21 24 16 00-0002 EA 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	627.70	109.40
21 24 16 00-0003 EA 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	866.45	137.97
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon).....	205.79	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon).....	361.74	
21 24 16 00-0006 EA 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	144.05	22.97
21 24 16 00-0007 EA 6 Gallon, Bracket Assembly Agent Cylinder	83.91	13.32
21 24 16 00-0008 EA 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	36.39	
21 24 16 00-0009 EA 6 Gallon, Pneumatic Actuator, Agent Cylinder	144.05	22.97
21 24 16 00-0010 EA MRM Actuator (Less N2 Cylinder And Enclosure).....	361.74	57.58
21 24 16 00-0011 EA Painted Steel, MRM Enclosure	192.79	30.63
21 24 16 00-0012 EA Stainless Steel, MRM Enclosure.....	231.18	30.63
21 24 16 00-0013 EA Stainless Steel, Single Cylinder System Cabinet.....	574.04	91.42
21 24 16 00-0014 EA N2 - 1/4" x 16" Actuation Hose	43.32	6.90
21 24 16 00-0015 EA 10 CU. Inch, Nitrogen Cylinder	192.79	30.63
Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016 EA Vent Check	34.67	5.51
21 24 16 00-0017 EA Detector	25.99	4.13
Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018 EA 280 To 450 Degree F, Fusible Link.....	9.75	1.53
21 24 16 00-0019 EA Test Link	3.77	
21 24 16 00-0020 EA Corner Pulley	13.42	2.14
21 24 16 00-0021 EA 1/16", 500 Foot Spool, Cable.....	216.60	34.46
21 24 16 00-0022 EA Pulley Tee.....	97.47	15.47
21 24 16 00-0023 EA Manual Pull Station (Standard).....	86.63	13.78
21 24 16 00-0024 EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station)	40.65	6.43
21 24 16 00-0025 EA Manual Pull Station (Oversized)	96.61	15.31
21 24 16 00-0026 EA Conduit Offset.....	19.27	3.07
21 24 16 00-0027 EA 3/8" Pipe Thread, Seal (Quick-Seal).....	26.57	4.29
21 24 16 00-0028 EA 1/2" Pipe Thread, Seal (Quick-Seal)	21.67	3.52
21 24 16 00-0029 EA 3/8" Pipe Compression Seal	36.17	5.82
21 24 16 00-0030 EA 1/2" Pipe Compression Seal.....	36.17	5.82
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard).....	11.62	3.98
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature)	24.17	3.98
21 24 16 00-0033 EA 2 Flow Points, Fryer/Griddle Nozzle	43.32	6.90
21 24 16 00-0034 EA 1 Flow Point Each, Appliance, Plenum Nozzle	43.32	6.90
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	43.32	6.90
21 24 16 00-0036 EA 1/2 Flow Points Each, Upright Charbroiler Nozzle	43.32	6.90
21 24 16 00-0037 EA 2 Flow Points Each, Duct (Only) Nozzle	43.32	6.90
21 24 16 00-0038 EA 2 Flow Points Each, Four Burner Range Nozzle.....	62.30	9.95
21 24 16 00-0039 EA 3/4" Or 1" Mechanical Gas Valve.....	336.61	40.58
21 24 16 00-0040 EA 1-1/4" Or 1-1/2" Mechanical Gas Valve	402.90	58.96
21 24 16 00-0041 EA 2" Mechanical Gas Valve	499.64	69.67
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve)	545.84	86.83
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads	28.73	4.59
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	46.36	7.35
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	97.48	15.47
21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)		
Note: Range Guard or equal.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve	667.67	118.29
21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve	833.43	147.61
21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve	1,028.91	182.29
21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve	1,222.12	216.41
21 24 16 00-0051 EA Vent Plug	28.06	4.94
21 24 16 00-0052 EA Discharge Adapter Kit	36.13	
21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket	74.32	13.11
21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket	78.66	13.96
21 24 16 00-0055 EA 4 Gallon Wall Bracket	148.55	26.37
21 24 16 00-0056 EA 6 Gallon Wall Bracket	164.63	29.18
21 24 16 00-0057 EA Mechanical Control Head, No Microswitch	580.77	102.92
21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch	605.92	107.28
21 24 16 00-0059 EA Mechanical Control Head, 2 Microswitches	695.11	123.07
21 24 16 00-0060 EA Tandem Control Head	528.18	93.61
21 24 16 00-0061 EA Electric Control Head, 120 Volt AC / 24 Volt DC	894.02	158.32
21 24 16 00-0062 EA Mechanical Control Box	397.85	70.49
21 24 16 00-0063 EA Tandem Control Box	397.85	70.49
21 24 16 00-0064 EA Mechanical Control Box Adapter	116.61	20.72
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator	350.45	62.03
21 24 16 00-0066 EA Pressure Operated Actuator	144.05	25.52
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder	233.22	41.31
21 24 16 00-0068 EA BMCS-1 Actuator Assembly	237.80	42.15
21 24 16 00-0069 EA BMCS-1 Mounting Bracket	58.30	10.29
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder	672.94	119.13
21 24 16 00-0071 EA BMCS-7 Mounting Bracket	144.05	25.52
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit	144.05	25.52
21 24 16 00-0073 EA Check Valve	126.22	30.31
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems	65.16	11.56
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	28.36	5.02
21 24 16 00-0076 EA Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	7.47	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders	148.62	26.37
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW	68.13	12.13
21 24 16 00-0079 EA Nozzles; DM And LPF	75.91	13.39
21 24 16 00-0080 EA Swivel Adapter	48.01	8.46
21 24 16 00-0081 EA Corner Pulley	20.58	3.67
21 24 16 00-0082 LF 1/16" Stainless Steel Cable	1.02	0.42
21 24 16 00-0083 EA Cable Crimp Sleeve	1.22	0.42
21 24 16 00-0084 EA "S" Hook	0.91	0.28
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	70.84	12.55
21 24 16 00-0086 EA Cable Clamp	6.32	1.13
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable	0.91	0.28
21 24 16 00-0088 EA 3/8" Cable Anchor	74.88	13.25
21 24 16 00-0089 EA 1/2" Cable Anchor	74.88	13.25
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable)	121.11	21.43
21 24 16 00-0091 EA Tee Pulley, Use For Mechanical Pull And Gas Valve	129.25	22.84
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line	151.42	26.79
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit	47.45	8.46
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line	198.79	35.10
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line	151.42	26.79
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit	180.51	32.01
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only	32.45	5.78
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	36.03	6.35
21 24 16 00-0099 EA Fusible Link 165F To 360F	11.80	2.11
21 24 16 00-0100 EA Fusible Link 500F	17.93	2.11
21 24 16 00-0101 EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	36.03	6.35
21 24 16 00-0102 EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	27.54	6.35
21 24 16 00-0103 EA Quartzoid Link 400 F	194.22	34.40
21 24 16 00-0104 EA Quartzoid Link 500 F	194.22	34.40
21 24 16 00-0105 EA SPDT Micro Switch For Use With A Plus Control Box	69.62	12.27
21 24 16 00-0106 EA DPDT Micro Switch For Use With A Plus Control Box	121.10	21.43
21 24 16 00-0107 EA SPDT Micro Switch For Use With A Mechanical Control Box	71.97	12.69
21 24 16 00-0108 EA DPDT Micro Switch For Use With A Mechanical Control Box	124.74	22.13
21 24 16 00-0109 EA SPDT Micro Switch For Use With PRCB	91.39	16.21
21 24 16 00-0110 EA DPDT Micro Switch For Use With PRCB	131.84	23.26
21 24 16 00-0111 EA Pressure Switch, SPDT (Fire Dept. Tie In)	386.17	68.38
21 24 16 00-0112 EA Circuit Monitor 12 Or 24 Volt DC	173.66	30.73
21 24 16 00-0113 EA Circuit Monitor 120 Volt AC	173.66	30.73
21 24 16 00-0114 EA Electric Manual Pull Station	126.82	22.41
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell	70.83	12.55
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell	100.54	17.77
21 24 16 00-0117 EA Fuse, 1.2 For ECH	8.15	1.41
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC	36.03	6.35
21 24 16 00-0119 EA Indicator Lamp 120 Volt AC	36.03	6.35
21 24 16 00-0120 EA B-10 Manual Station Dual Action, SPDT	132.53	23.40
21 24 16 00-0121 EA B-11 Manual Station Dual Action, DPDT	146.24	25.94
21 24 16 00-0122 EA Break Rods For B10/B11 Manual Pull Station	4.51	1.83
21 24 16 00-0123 EA Spare Key For B10/B11 Manual Stations	18.28	3.24
21 24 16 00-0124 EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	196.51	34.82
21 24 16 00-0125 EA Suppression Abort Station	207.93	36.79
21 24 16 00-0126 EA Suppression Abort Station With Surface Mount Back Box	242.21	42.86

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0127	EA		Surface Mount Back Box	79.98	14.10
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP	1,485.21	262.65
21 24 16 00-0129	EA		Single Hazard Control Unit, 240 Volt AC IP	1,485.21	262.65
21 24 16 00-0130	EA		1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	123.39	21.85
21 24 16 00-0131	EA		Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.85	0.99
21 24 16 00-0132	EA		Spare Scorpio Circuit Board	1,073.84	
21 24 16 00-0133	EA		Extra Scorpio Key	18.28	
21 24 16 00-0134	EA		Extra Scorpio Manual.....	11.42	
21 24 16 00-0135	EA		Compression Seal Adapter 3/8" Pipe.....	31.07	5.50
21 24 16 00-0136	EA		Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	33.74	5.92
21 24 16 00-0137	EA		Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	40.60	7.19
21 24 16 00-0138	EA		Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	43.42	7.61
21 24 16 00-0139	EA		Quik Seal Adapter 3/8" NPT Female	33.74	5.92
21 24 16 00-0140	EA		Quik Seal Adapter 1/2" NPT Female	33.74	5.92
21 24 16 00-0141	EA		Quik Seal Adapter 3/4" NPT Female	57.72	10.29
21 24 16 00-0142	EA		Quik Seal Adapter 1" NPT Female	76.54	13.54
21 24 16 00-0143	EA		Quik Patch (Up To 1-1/8" Diameter)	33.74	5.92
21 24 16 00-0144	EA		1-1/4 Gallon Karbaloy Charge	75.10	
21 24 16 00-0145	EA		2-1/2 Gallon Karbaloy Charge	129.09	
21 24 16 00-0146	EA		4 Gallon Karbaloy Charge.....	195.11	
21 24 16 00-0147	EA		6 Gallon Karbaloy Charge.....	285.52	
21 24 16 00-0148	EA		Inlet Flushing Adapter.....	55.98	9.86
21 24 16 00-0149	EA		1/2" Flushing Adapter (Outlet).....	55.98	9.86
21 24 16 00-0150	EA		1/8" Flushing Adapter (Outlet).....	55.98	9.86
21 24 16 00-0151	EA		1/4" Flushing Adapter (Outlet).....	55.98	9.86
21 24 16 00-0152	EA		3/8" Flushing Adapter (Outlet).....	55.98	9.86
21 24 16 00-0153	EA		Recharge Adapter (Old Style Cylinder Valve Assembly Only)	77.68	
21 24 16 00-0154	EA		Instruction Label (In Case Of Fire) - MCB.....	6.35	
21 24 16 00-0155	EA		Caution Sign (Turn On Fan).....	7.46	
21 24 16 00-0156	EA		Inspection Label (Authorized installers only).....	5.47	
21 24 16 00-0157	EA		Label, Warning, A+ Control Box.....	4.14	
21 24 16 00-0158	EA		Wet Chemical System Kits, RG-1.25G Kit; #23315	982.46	173.83
21 24 16 00-0159	EA		Wet Chemical System Kits, RG-2.5G Kit; #23316	1,146.97	202.87
21 24 16 00-0160	EA		Wet Chemical System Kits, RG-4GS Kit; #23317	1,428.04	252.64
21 24 16 00-0161	EA		Wet Chemical System Kits, RG-4GT Kit; #23318	1,428.04	252.64
21 24 16 00-0162	EA		Wet Chemical System Kits, RG-6G Kit; #23319	1,795.89	317.63
21 24 16 00-0163	EA		Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	851.09	150.56
21 24 16 00-0164	EA		Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	799.68	141.40
21 24 16 00-0165	EA		Wet Chemical System Kits, A Plus Control Box Kit; #23322	646.60	114.33
21 24 16 00-0166	EA		Wet Chemical System Kits, Valve Rebuild Kit; #23210.....	1,119.55	198.08
21 24 16 00-0167	EA		Wet Chemical System Kits, BMCS-1 Package; #23208	1,025.85	181.45

21 30 Fire Pumps ⁽²¹⁾**21 31 Centrifugal Fire Pumps** ^(21 30)**21 31 13 Electric-Drive, Centrifugal Fire Pumps** ^(21 31)**21 31 13 00-0001 Electric-Drive Fire Pumps** ^(21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA		20 HP Electric Fire Pump.....	61,007.39	2,704.61
			<i>For Duplex Pumping System, Add</i>	<i>58,302.79</i>	
21 31 13 00-0003	EA		30 HP Electric Fire Pump.....	71,075.52	3,042.68
			<i>For Duplex Pumping System, Add</i>	<i>68,258.22</i>	
21 31 13 00-0004	EA		40 HP Electric Fire Pump.....	96,707.46	3,380.76
			<i>For Duplex Pumping System, Add</i>	<i>93,577.13</i>	
21 31 13 00-0005	EA		50 HP Electric Fire Pump.....	119,234.32	3,752.97
			<i>For Duplex Pumping System, Add</i>	<i>115,481.36</i>	
21 31 13 00-0006	EA		75 HP Electric Fire Pump.....	133,084.69	4,094.14
			<i>For Duplex Pumping System, Add</i>	<i>128,990.54</i>	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps ^(21 31)**21 31 16 00-0001 Diesel-Drive Fire Pumps** ^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA		30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	89,558.94	3,070.61
21 31 16 00-0003	EA		40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	101,300.30	3,411.79
21 31 16 00-0004	EA		50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	106,466.62	3,752.97
21 31 16 00-0005	EA		75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	121,126.50	4,094.14
21 31 16 00-0006	EA		150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	128,641.42	4,776.50
21 31 16 00-0007	EA		175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	138,639.04	6,141.22
21 31 16 00-0008	EA		200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	150,514.84	6,823.58
21 31 16 00-0009	EA		250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	172,105.90	7,778.88
21 31 16 00-0010	EA		300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	205,985.61	8,393.00
21 31 16 00-0011	EA		350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	241,627.54	9,553.01
21 31 16 00-0012	EA		400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	286,602.34	10,235.37
21 31 16 00-0013	EA		500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	322,631.26	10,917.73



Fire Suppression	21	21
Fire Pumps	21 30	
Centrifugal Fire Pumps	21 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 31	Centrifugal Fire Pumps



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	-----	-------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing⁽²²⁾

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	49.19
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	51.51
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	56.68
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	60.62
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	65.92
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	84.30
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	108.57
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	127.05
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	145.90
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	76.82
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	81.32
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	90.05
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	98.97
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	109.33
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	141.42
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	173.99
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	199.73
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	227.10
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	108.40
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	113.29
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	125.22
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	137.37
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	155.18
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	190.65
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	227.36
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	274.76
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	336.99
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	346.46
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	370.99

22 01 40 Operation and Maintenance of Plumbing Fixtures^(22 01)

22 01 40 81 Plumbing Fixtures Replacement^(22 01 40)

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	77.12
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	26.64

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	36.86	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	52.17	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	80.51	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	48.10	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	47.14	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	52.49	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	44.46	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim	135.35	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	34.85	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	19.56	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	20.45	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	19.56	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	11.62	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	34.37	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	54.72	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	33.49	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	40.08	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	44.47	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	34.78	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover	24.33	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	48.08	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax	9.26	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	183.97	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	239.97	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	254.91	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	269.33	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	244.99	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	31.25	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	21.58	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	23.82	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	114.08	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	108.56	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	167.90	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	64.68	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	48.34	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	13.76	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	91.99	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	49.51	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	53.58	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	34.01	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	44.62	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	49.54	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	36.97	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	216.05	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	266.10	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	170.04	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements for Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves ^(22 05 23)**22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves** ^(22 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	97.78	15.31
		For 150 LB Rating, Add	5.32	
		For 200 LB Rating, Add	7.98	
		For Work In Restricted Working Space, Add	13.38	
22 05 23 00-0004	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	100.12	15.31
		For 150 LB Rating, Add	5.32	
		For 200 LB Rating, Add	7.98	
		For Work In Restricted Working Space, Add	14.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0005 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	102.90	15.31
<i>For 150 LB Rating, Add</i>	5.35	
<i>For 200 LB Rating, Add</i>	8.03	
<i>For Work In Restricted Working Space, Add</i>	14.82	
22 05 23 00-0006 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	124.07	16.85
<i>For 150 LB Rating, Add</i>	5.75	
<i>For 200 LB Rating, Add</i>	8.63	
<i>For Work In Restricted Working Space, Add</i>	19.97	
22 05 23 00-0007 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	151.03	19.14
<i>For 150 LB Rating, Add</i>	7.04	
<i>For 200 LB Rating, Add</i>	10.56	
<i>For Work In Restricted Working Space, Add</i>	24.18	
22 05 23 00-0008 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	217.09	20.37
<i>For 150 LB Rating, Add</i>	11.50	
<i>For 200 LB Rating, Add</i>	17.25	
<i>For Work In Restricted Working Space, Add</i>	30.63	
22 05 23 00-0009 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	242.78	23.58
<i>For 150 LB Rating, Add</i>	12.50	
<i>For 200 LB Rating, Add</i>	18.75	
<i>For Work In Restricted Working Space, Add</i>	35.34	
22 05 23 00-0010 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	290.64	27.87
<i>For 150 LB Rating, Add</i>	15.14	
<i>For 200 LB Rating, Add</i>	22.71	
<i>For Work In Restricted Working Space, Add</i>	41.76	
22 05 23 00-0011 EA 2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	627.21	37.64
<i>For 150 LB Rating, Add</i>	43.92	
<i>For 200 LB Rating, Add</i>	65.89	
<i>For Work In Restricted Working Space, Add</i>	56.39	
<i>For Chain Operated Type, Add</i>	197.66	
22 05 23 00-0012 EA 3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	735.20	43.70
<i>For 150 LB Rating, Add</i>	51.83	
<i>For 200 LB Rating, Add</i>	77.75	
<i>For Work In Restricted Working Space, Add</i>	65.07	
22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves <small>(22 05 23 00-0001)</small>		
<small>Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)</small>		
22 05 23 00-0014 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	115.50	15.31
<i>For 150 LB Rating, Add</i>	7.09	
<i>For 200 LB Rating, Add</i>	10.64	
<i>For Work In Restricted Working Space, Add</i>	13.38	
22 05 23 00-0015 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	117.69	15.31
<i>For 150 LB Rating, Add</i>	7.08	
<i>For 200 LB Rating, Add</i>	10.61	
<i>For Work In Restricted Working Space, Add</i>	14.08	
22 05 23 00-0016 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	135.65	15.31
<i>For 150 LB Rating, Add</i>	8.63	
<i>For 200 LB Rating, Add</i>	12.94	
<i>For Work In Restricted Working Space, Add</i>	14.82	
22 05 23 00-0017 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	156.82	16.85
<i>For 150 LB Rating, Add</i>	9.03	
<i>For 200 LB Rating, Add</i>	13.54	
<i>For Work In Restricted Working Space, Add</i>	19.97	
22 05 23 00-0018 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	188.40	19.14
<i>For 150 LB Rating, Add</i>	10.78	
<i>For 200 LB Rating, Add</i>	16.17	
<i>For Work In Restricted Working Space, Add</i>	24.18	
22 05 23 00-0019 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	268.20	20.37
<i>For 150 LB Rating, Add</i>	16.61	
<i>For 200 LB Rating, Add</i>	24.92	
<i>For Work In Restricted Working Space, Add</i>	30.63	
22 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	307.07	23.58
<i>For 150 LB Rating, Add</i>	18.93	
<i>For 200 LB Rating, Add</i>	28.39	
<i>For Work In Restricted Working Space, Add</i>	35.34	
22 05 23 00-0021 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	389.97	27.87
<i>For 150 LB Rating, Add</i>	25.08	
<i>For 200 LB Rating, Add</i>	37.61	
<i>For Work In Restricted Working Space, Add</i>	41.76	
22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves <small>(22 05 23 00-0001)</small>		
<small>Note: 200 psi cold working pressure.</small>		
22 05 23 00-0023 EA 1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	136.12	15.31
<i>For Work In Restricted Working Space, Add</i>	10.34	
22 05 23 00-0024 EA 3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	153.38	16.85
<i>For Work In Restricted Working Space, Add</i>	11.77	
22 05 23 00-0025 EA 1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	200.61	19.14
<i>For Work In Restricted Working Space, Add</i>	14.07	
22 05 23 00-0026 EA 1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	270.99	20.37
<i>For Work In Restricted Working Space, Add</i>	15.50	
22 05 23 00-0027 EA 1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	313.64	23.58
<i>For Work In Restricted Working Space, Add</i>	17.23	
22 05 23 00-0028 EA 2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	429.60	27.87
<i>For Work In Restricted Working Space, Add</i>	20.67	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0029 Ball Valves <small>(22 05 23)</small>		
22 05 23 00-0030 Crimped Bronze, Ball Valves <small>(22 05 23 00-0029)</small>		
22 05 23 00-0031 Crimped Bronze, 250 PSI, Ball Valves <small>(22 05 23 00-0030)</small>		
Note: Nibco®		
22 05 23 00-0032 EA 1/2" Crimped Bronze, 250 PSI, Ball Valve .....95.86		15.31
For Work In Restricted Working Space, Add	10.34	
22 05 23 00-0033 EA 3/4" Crimped Bronze, 250 PSI, Ball Valve .....122.91		16.85
For Work In Restricted Working Space, Add	11.77	
22 05 23 00-0034 EA 1" Crimped Bronze, 250 PSI, Ball Valve .....157.02		19.14
For Work In Restricted Working Space, Add	14.07	
22 05 23 00-0035 EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve .....248.66		20.37
For Work In Restricted Working Space, Add	15.50	
22 05 23 00-0036 EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve .....326.39		23.58
For Work In Restricted Working Space, Add	17.23	
22 05 23 00-0037 EA 2" Crimped Bronze, 250 PSI, Ball Valve .....488.23		27.87
For Work In Restricted Working Space, Add	20.67	
22 05 23 00-0038 Crimped Bronze, 200 PSI, Full Port Ball Valves <small>(22 05 23 00-0030)</small>		
22 05 23 00-0039 EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....60.94		15.31
For Work In Restricted Working Space, Add	10.34	
22 05 23 00-0040 EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....76.46		16.85
For Work In Restricted Working Space, Add	11.77	
22 05 23 00-0041 EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....92.71		19.14
For Work In Restricted Working Space, Add	14.07	
22 05 23 00-0042 EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....126.14		20.37
For Work In Restricted Working Space, Add	15.50	
22 05 23 00-0043 EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....160.51		23.58
For Work In Restricted Working Space, Add	17.23	
22 05 23 00-0044 EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....233.57		27.87
For Work In Restricted Working Space, Add	20.67	
22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves <small>(22 05 23 00-0030)</small>		
22 05 23 00-0046 EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....68.82		15.31
For Work In Restricted Working Space, Add	10.34	
22 05 23 00-0047 EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....82.19		16.85
For Work In Restricted Working Space, Add	11.77	
22 05 23 00-0048 EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....101.87		19.14
For Work In Restricted Working Space, Add	14.07	
22 05 23 00-0049 EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....154.76		20.37
For Work In Restricted Working Space, Add	15.50	
22 05 23 00-0050 EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....222.09		23.58
For Work In Restricted Working Space, Add	17.23	
22 05 23 00-0051 EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....305.15		27.87
For Work In Restricted Working Space, Add	20.67	
22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves <small>(22 05 23 00-0030)</small>		
22 05 23 00-0053 EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....66.67		15.31
For Work In Restricted Working Space, Add	10.34	
22 05 23 00-0054 EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....80.19		16.85
For Work In Restricted Working Space, Add	11.77	
22 05 23 00-0055 EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....97.29		19.14
For Work In Restricted Working Space, Add	14.07	
22 05 23 00-0056 Check Valves <small>(22 05 23)</small>		
22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves <small>(22 05 23 00-0056)</small>		
Note: Nibco®		
22 05 23 00-0058 EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....176.35		15.31
For Work In Restricted Working Space, Add	10.34	
22 05 23 00-0059 EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....223.50		16.85
For Work In Restricted Working Space, Add	11.77	
22 05 23 00-0060 EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....307.38		19.14
For Work In Restricted Working Space, Add	14.07	
22 05 23 00-0061 EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....407.47		20.37
For Work In Restricted Working Space, Add	15.50	
22 05 23 00-0062 EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....485.23		23.58
For Work In Restricted Working Space, Add	17.23	
22 05 23 00-0063 EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....691.55		27.87
For Work In Restricted Working Space, Add	20.67	
22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves <small>(22 05 23 00-0056)</small>		
22 05 23 00-0065 EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve .....54.90		15.31
For Work In Restricted Working Space, Add	10.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0066 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	65.40	16.85
<i>For Work In Restricted Working Space, Add</i>	11.77	
22 05 23 00-0067 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve.....	77.04	19.14
<i>For Work In Restricted Working Space, Add</i>	14.07	
22 05 23 00-0068 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	95.28	20.37
<i>For Work In Restricted Working Space, Add</i>	15.50	
22 05 23 00-0069 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	119.32	23.58
<i>For Work In Restricted Working Space, Add</i>	17.23	
22 05 23 00-0070 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	181.55	27.87
<i>For Work In Restricted Working Space, Add</i>	20.67	
22 05 23 00-0071 Butterfly Valves (22 05 23)		
22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)		
22 05 23 00-0073 EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,279.35	40.88
<i>For Work In Restricted Working Space, Add</i>	24.12	
22 05 23 00-0074 EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,386.90	47.47
<i>For Work In Restricted Working Space, Add</i>	28.71	
22 05 23 00-0075 EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,735.18	53.60
<i>For Work In Restricted Working Space, Add</i>	37.90	
22 05 23 00-0076 Earthquake-Sensitive Gas Shut-Off Valve (22 05 23)		
22 05 23 00-0077 0.5 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0078 EA 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	180.93	16.85
22 05 23 00-0079 EA 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	206.50	19.14
22 05 23 00-0080 7 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0081 EA 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	243.73	20.37
22 05 23 00-0082 EA 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	322.38	23.58
22 05 23 00-0083 60 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0084 EA 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	218.70	16.85
22 05 23 00-0085 EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	232.73	19.14
22 05 23 00-0086 EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	264.72	20.37
22 05 23 00-0087 EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	353.86	23.58
22 05 23 00-0088 EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	768.73	27.87
22 05 23 00-0089 EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	921.80	37.51
22 05 23 00-0090 EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,187.40	43.70
22 05 23 00-0091 EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,374.62	49.34
22 05 23 00-0092 60 PSI Flanged Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0093 EA 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,094.58	204.13
22 05 23 00-0094 EA 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,343.91	239.67
22 05 23 00-0095 EA 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,919.92	401.80
22 05 23 00-0096 EA 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	3,029.75	449.69
22 05 23 00-0097 EA 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,953.28	574.61
22 05 23 00-0098 Emergency Shut-Off Valve With Fusible Link (22 05 23)		
22 05 23 00-0099 Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) (22 05 23 00-0098)		
<i>Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.</i>		
22 05 23 00-0100 EA 1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	94.52	24.66
<i>For Work In Restricted Working Space, Add</i>	13.38	
22 05 23 00-0101 EA 3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	96.92	26.03
<i>For Work In Restricted Working Space, Add</i>	14.10	
22 05 23 00-0102 EA 1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	152.14	24.66
<i>For Work In Restricted Working Space, Add</i>	14.82	
22 05 23 00-0103 EA 3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	294.71	33.23
<i>For Work In Restricted Working Space, Add</i>	19.97	
22 05 23 00-0104 EA 1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	727.39	40.27
<i>For Work In Restricted Working Space, Add</i>	24.18	
22 05 23 00-0105 Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (22 05 23 00-0098)		
<i>Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.</i>		
22 05 23 00-0106 EA 1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	564.54	23.58
22 05 23 00-0107 EA 2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	611.16	27.87
22 05 23 00-0108 EA 3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	1,023.51	43.70

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 05 23 00-0109		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0098)</small> Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0110	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	736.68	204.13
22 05 23 00-0111	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	1,162.82	239.67
22 05 23 00-0112	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	2,601.37	401.80

22 05 29 Hangers and Supports for Plumbing Piping and Equipment (22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping (22 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment (22 05)**22 05 48 13 Vibration Controls for Plumbing Piping and Equipment** (22 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment (22 05)

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts (22 05)**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** (22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)

22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	714.48	81.46
		<i>For Vandal Proof, Add</i>	19.50	
		<i>For Galvanized Ferrule, Add</i>	45.00	
		<i>For Carpet Marker, Add</i>	16.00	
		<i>For Carpet Flange, Add</i>	58.50	
		<i>For Wide Flange, Add</i>	97.00	
		<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	778.68	102.14
		<i>For Vandal Proof, Add</i>	19.50	
		<i>For Galvanized Ferrule, Add</i>	45.00	
		<i>For Carpet Marker, Add</i>	16.00	
		<i>For Carpet Flange, Add</i>	58.50	
		<i>For Wide Flange, Add</i>	97.00	
		<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	970.43	123.42
		<i>For Vandal Proof, Add</i>	19.50	
		<i>For Galvanized Ferrule, Add</i>	45.00	
		<i>For Carpet Marker, Add</i>	16.00	
		<i>For Carpet Flange, Add</i>	58.50	
		<i>For Wide Flange, Add</i>	97.00	
		<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,374.38	138.13
		<i>For Vandal Proof, Add</i>	19.50	
		<i>For Galvanized Ferrule, Add</i>	45.00	
		<i>For Carpet Marker, Add</i>	16.00	
		<i>For Carpet Flange, Add</i>	58.50	
		<i>For Wide Flange, Add</i>	97.00	
		<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,682.18	149.61
		<i>For Vandal Proof, Add</i>	19.50	
		<i>For Galvanized Ferrule, Add</i>	45.00	
		<i>For Carpet Marker, Add</i>	16.00	
		<i>For Carpet Flange, Add</i>	58.50	
		<i>For Wide Flange, Add</i>	97.00	
		<i>For Satin Bronze Top, Deduct</i>	-24.00	

22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)

22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	817.60	81.46
		<i>For Vandal Proof, Add</i>	19.50	
		<i>For Galvanized Ferrule, Add</i>	45.00	
		<i>For Carpet Marker, Add</i>	16.00	
		<i>For Carpet Flange, Add</i>	58.50	
		<i>For Wide Flange, Add</i>	97.00	
		<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	883.43	102.14
		<i>For Vandal Proof, Add</i>	19.50	
		<i>For Galvanized Ferrule, Add</i>	45.00	
		<i>For Carpet Marker, Add</i>	16.00	
		<i>For Carpet Flange, Add</i>	58.50	
		<i>For Wide Flange, Add</i>	97.00	
		<i>For Satin Bronze Top, Deduct</i>	-24.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,075.18	123.42
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,479.13	138.13
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,786.93	149.61
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	113.24	25.57
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	123.46	30.63
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	155.66	34.46
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	254.97	38.28
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	377.21	42.11
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	549.73	25.57
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	787.78	26.80
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	841.63	28.33
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	941.63	32.16
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	559.48	25.57
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	802.14	26.80
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	856.99	28.33
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel.....	958.79	32.16
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	543.01	25.57
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	748.00	26.80
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,057.07 19.50 22.50	28.33
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,278.92 19.50 22.50	32.16
22 05 76 00-0036 Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	529.04 18.00 45.00	81.46
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	608.39 18.00 45.00	101.99
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	790.13 18.00 45.00	123.42
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,824.38 18.00 45.00	149.61
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	895.18 18.00 45.00	81.46
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	974.53 18.00 45.00	101.99
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,131.97 18.00 45.00	123.42
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,318.93 18.00 45.00	149.61
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug.....	433.47	66.62
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug.....	483.90	72.74
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug.....	644.39	95.71
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug.....	955.57	113.32
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug.....	1,604.36	133.99
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	89.89 9.50	19.14
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	107.01 9.50	20.83
22 05 76 00-0057 EA 3" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	179.38 9.50	22.97
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	201.09 9.50	26.80
22 05 76 00-0059 EA 4" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	227.47 9.50	30.63
22 05 76 00-0060 EA 5" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	317.03 9.50	34.46
22 05 76 00-0061 EA 6" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	462.72 9.50	38.28
22 05 76 00-0062 EA 8" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	774.40 9.50	42.11
22 05 76 00-0063 EA 10" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	1,109.58 9.50	45.94
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	41.74 9.50	19.14
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	42.35 9.50	19.14
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	46.10 9.50	20.83
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	52.01 9.50	22.97
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	61.30 9.50	26.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head	71.69	30.63
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head	76.86	32.25
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head	82.41	34.46
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head	104.70	38.28
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head	41.27	19.14
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head	41.94	19.14
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head	47.41	20.83
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head	52.20	22.97
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head	60.74	26.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head	70.80	30.63
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head	81.93	34.46
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head	96.85	38.28
For Plug Tapped For Center Screw, Add	9.50	

22 07 Plumbing Insulation ⁽²²⁾

22 07 16 Plumbing Equipment Insulation ^(22 07)

22 07 16 00-0001 Lavatory Insulation ^(22 07 16)		
22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories	344.67	32.76

22 07 19 Plumbing Piping Insulation ^(22 07)

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation ^(22 07 19)		
<p>Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.</p>		
22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation ^(22 07 19 00-0001)		
22 07 19 00-0003 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.49	3.21
For Single Layer Of Felt Finish, Add	0.19	
For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0004 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.68	3.21
For Single Layer Of Felt Finish, Add	0.21	
For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0005 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.35	3.35
For Single Layer Of Felt Finish, Add	0.23	
For Work In Restricted Working Space, Add	2.76	
22 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.74	3.50
For Single Layer Of Felt Finish, Add	0.25	
For Work In Restricted Working Space, Add	2.81	
22 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.05	3.50
For Single Layer Of Felt Finish, Add	0.26	
For Work In Restricted Working Space, Add	2.86	
22 07 19 00-0008 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.76	3.64
For Single Layer Of Felt Finish, Add	0.28	
For Work In Restricted Working Space, Add	3.02	
22 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.33	3.79
For Single Layer Of Felt Finish, Add	0.33	
For Work In Restricted Working Space, Add	3.07	
22 07 19 00-0010 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.04	3.93
For Single Layer Of Felt Finish, Add	0.36	
For Work In Restricted Working Space, Add	3.17	
22 07 19 00-0011 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.88	4.22
For Single Layer Of Felt Finish, Add	0.47	
For Work In Restricted Working Space, Add	3.43	
22 07 19 00-0012 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.72	4.95
For Single Layer Of Felt Finish, Add	0.56	
For Work In Restricted Working Space, Add	4.00	
22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation ^(22 07 19 00-0001)		
22 07 19 00-0014 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.13	4.36
For Single Layer Of Felt Finish, Add	0.23	
For Work In Restricted Working Space, Add	3.59	
22 07 19 00-0015 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.45	4.36
For Single Layer Of Felt Finish, Add	0.26	
For Work In Restricted Working Space, Add	3.59	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0016 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.66	4.36
For Single Layer Of Felt Finish, Add	0.26	
For Work In Restricted Working Space, Add	3.64	
22 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.16	4.51
For Single Layer Of Felt Finish, Add	0.30	
For Work In Restricted Working Space, Add	3.69	
22 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.55	4.51
For Single Layer Of Felt Finish, Add	0.32	
For Work In Restricted Working Space, Add	3.74	
22 07 19 00-0019 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.18	4.66
For Single Layer Of Felt Finish, Add	0.35	
For Work In Restricted Working Space, Add	3.85	
22 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.04	4.95
For Single Layer Of Felt Finish, Add	0.39	
For Work In Restricted Working Space, Add	4.00	
22 07 19 00-0021 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.86	5.10
For Single Layer Of Felt Finish, Add	0.44	
For Work In Restricted Working Space, Add	4.11	
22 07 19 00-0022 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.11	5.39
For Single Layer Of Felt Finish, Add	0.56	
For Work In Restricted Working Space, Add	4.42	
22 07 19 00-0023 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.20	6.26
For Single Layer Of Felt Finish, Add	0.69	
For Work In Restricted Working Space, Add	4.99	
22 07 19 00-0024 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.46	6.99
For Single Layer Of Felt Finish, Add	0.99	
For Work In Restricted Working Space, Add	5.72	
22 07 19 00-0025 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.50	8.30
For Single Layer Of Felt Finish, Add	1.15	
For Work In Restricted Working Space, Add	6.76	
22 07 19 00-0026 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.46	9.46
For Single Layer Of Felt Finish, Add	1.31	
For Work In Restricted Working Space, Add	7.80	
22 07 19 00-0027 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.35	10.34
For Single Layer Of Felt Finish, Add	1.52	
For Work In Restricted Working Space, Add	8.07	
22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.86	4.49
For Single Layer Of Felt Finish, Add	0.46	
For Work In Restricted Working Space, Add	3.74	
22 07 19 00-0030 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.06	4.49
For Single Layer Of Felt Finish, Add	0.48	
For Work In Restricted Working Space, Add	3.74	
22 07 19 00-0031 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.02	4.77
For Single Layer Of Felt Finish, Add	0.51	
For Work In Restricted Working Space, Add	3.96	
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.63	4.87
For Single Layer Of Felt Finish, Add	0.54	
For Work In Restricted Working Space, Add	4.04	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.16	4.95
For Single Layer Of Felt Finish, Add	0.57	
For Work In Restricted Working Space, Add	4.11	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.42	5.21
For Single Layer Of Felt Finish, Add	0.63	
For Work In Restricted Working Space, Add	4.34	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.26	5.30
For Single Layer Of Felt Finish, Add	0.69	
For Work In Restricted Working Space, Add	4.41	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.95	5.49
For Single Layer Of Felt Finish, Add	0.71	
For Work In Restricted Working Space, Add	4.56	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.18	5.94
For Single Layer Of Felt Finish, Add	0.81	
For Work In Restricted Working Space, Add	4.93	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.02	6.93
For Single Layer Of Felt Finish, Add	0.93	
For Work In Restricted Working Space, Add	5.76	
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.30	7.31
For Single Layer Of Felt Finish, Add	1.16	
For Work In Restricted Working Space, Add	6.08	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.18	8.75
For Single Layer Of Felt Finish, Add	1.46	
For Work In Restricted Working Space, Add	7.27	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.41	10.20
For Single Layer Of Felt Finish, Add	1.59	
For Work In Restricted Working Space, Add	8.47	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.51	11.17
For Single Layer Of Felt Finish, Add	1.84	
For Work In Restricted Working Space, Add	9.28	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.57	4.95
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	4.11	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.80	4.95
<i>For Single Layer Of Felt Finish, Add</i>	0.75	
<i>For Work In Restricted Working Space, Add</i>	4.11	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.48	5.10
<i>For Single Layer Of Felt Finish, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	4.16	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.07	5.10
<i>For Single Layer Of Felt Finish, Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	4.21	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.72	5.24
<i>For Single Layer Of Felt Finish, Add</i>	0.89	
<i>For Work In Restricted Working Space, Add</i>	4.27	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.56	5.39
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	4.42	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.74	5.53
<i>For Single Layer Of Felt Finish, Add</i>	1.00	
<i>For Work In Restricted Working Space, Add</i>	4.58	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.01	5.82
<i>For Single Layer Of Felt Finish, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	4.73	
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.35	6.11
<i>For Single Layer Of Felt Finish, Add</i>	1.23	
<i>For Work In Restricted Working Space, Add</i>	4.99	
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.57	7.18
<i>For Single Layer Of Felt Finish, Add</i>	1.43	
<i>For Work In Restricted Working Space, Add</i>	5.99	
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.89	7.58
<i>For Single Layer Of Felt Finish, Add</i>	1.77	
<i>For Work In Restricted Working Space, Add</i>	6.32	
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.35	9.07
<i>For Single Layer Of Felt Finish, Add</i>	2.11	
<i>For Work In Restricted Working Space, Add</i>	7.57	
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.30	10.88
<i>For Single Layer Of Felt Finish, Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	9.06	
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	67.14	11.86
<i>For Single Layer Of Felt Finish, Add</i>	2.63	
<i>For Work In Restricted Working Space, Add</i>	12.64	
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.60	13.91
<i>For Single Layer Of Felt Finish, Add</i>	2.99	
<i>For Work In Restricted Working Space, Add</i>	12.64	
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.05	14.60
<i>For Single Layer Of Felt Finish, Add</i>	3.55	
<i>For Work In Restricted Working Space, Add</i>	13.27	
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.52	16.69
<i>For Single Layer Of Felt Finish, Add</i>	3.98	
<i>For Work In Restricted Working Space, Add</i>	15.17	
22 07 19 00-0061 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	103.16	20.17
<i>For Single Layer Of Felt Finish, Add</i>	4.42	
<i>For Work In Restricted Working Space, Add</i>	18.33	
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0063 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.37	5.82
<i>For Single Layer Of Felt Finish, Add</i>	1.00	
<i>For Work In Restricted Working Space, Add</i>	4.74	
22 07 19 00-0064 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.70	5.82
<i>For Single Layer Of Felt Finish, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	4.74	
22 07 19 00-0065 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.67	5.82
<i>For Single Layer Of Felt Finish, Add</i>	1.12	
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 07 19 00-0066 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.38	5.97
<i>For Single Layer Of Felt Finish, Add</i>	1.18	
<i>For Work In Restricted Working Space, Add</i>	4.85	
22 07 19 00-0067 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.12	5.97
<i>For Single Layer Of Felt Finish, Add</i>	1.24	
<i>For Work In Restricted Working Space, Add</i>	4.89	
22 07 19 00-0068 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.28	6.26
<i>For Single Layer Of Felt Finish, Add</i>	1.29	
<i>For Work In Restricted Working Space, Add</i>	5.09	
22 07 19 00-0069 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.89	6.40
<i>For Single Layer Of Felt Finish, Add</i>	1.40	
<i>For Work In Restricted Working Space, Add</i>	5.27	
22 07 19 00-0070 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.35	6.70
<i>For Single Layer Of Felt Finish, Add</i>	1.49	
<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0071 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.67	6.99
<i>For Single Layer Of Felt Finish, Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	5.75	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0072 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.88	7.43
For Single Layer Of Felt Finish, Add	2.01	
For Work In Restricted Working Space, Add	6.53	
22 07 19 00-0073 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	54.00	8.88
For Single Layer Of Felt Finish, Add	3.12	
For Work In Restricted Working Space, Add	7.28	
22 07 19 00-0074 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	64.36	10.20
For Single Layer Of Felt Finish, Add	3.82	
For Work In Restricted Working Space, Add	8.39	
22 07 19 00-0075 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	73.52	12.67
For Single Layer Of Felt Finish, Add	4.07	
For Work In Restricted Working Space, Add	10.43	
22 07 19 00-0076 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	82.97	13.98
For Single Layer Of Felt Finish, Add	4.72	
For Work In Restricted Working Space, Add	11.39	
22 07 19 00-0077 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	98.11	17.77
For Single Layer Of Felt Finish, Add	5.21	
For Work In Restricted Working Space, Add	14.56	
22 07 19 00-0078 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	105.36	18.64
For Single Layer Of Felt Finish, Add	5.71	
For Work In Restricted Working Space, Add	15.29	
22 07 19 00-0079 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	119.63	21.26
For Single Layer Of Felt Finish, Add	6.44	
For Work In Restricted Working Space, Add	17.48	
22 07 19 00-0080 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	140.93	25.68
For Single Layer Of Felt Finish, Add	7.41	
For Work In Restricted Working Space, Add	21.11	
22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0082 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.98	6.44
For Single Layer Of Felt Finish, Add	1.10	
For Work In Restricted Working Space, Add	5.24	
22 07 19 00-0083 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.34	6.44
For Single Layer Of Felt Finish, Add	1.14	
For Work In Restricted Working Space, Add	5.24	
22 07 19 00-0084 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.32	6.50
For Single Layer Of Felt Finish, Add	1.22	
For Work In Restricted Working Space, Add	5.30	
22 07 19 00-0085 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.08	6.54
For Single Layer Of Felt Finish, Add	1.29	
For Work In Restricted Working Space, Add	5.33	
22 07 19 00-0086 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.96	6.61
For Single Layer Of Felt Finish, Add	1.36	
For Work In Restricted Working Space, Add	5.39	
22 07 19 00-0087 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.16	6.86
For Single Layer Of Felt Finish, Add	1.42	
For Work In Restricted Working Space, Add	5.59	
22 07 19 00-0088 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.91	7.09
For Single Layer Of Felt Finish, Add	1.54	
For Work In Restricted Working Space, Add	5.78	
22 07 19 00-0089 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.54	7.35
For Single Layer Of Felt Finish, Add	1.64	
For Work In Restricted Working Space, Add	5.99	
22 07 19 00-0090 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.21	7.76
For Single Layer Of Felt Finish, Add	1.90	
For Work In Restricted Working Space, Add	6.32	
22 07 19 00-0091 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	44.91	8.81
For Single Layer Of Felt Finish, Add	2.20	
For Work In Restricted Working Space, Add	7.18	
22 07 19 00-0092 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	59.30	9.81
For Single Layer Of Felt Finish, Add	3.43	
For Work In Restricted Working Space, Add	8.00	
22 07 19 00-0093 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.71	11.33
For Single Layer Of Felt Finish, Add	4.19	
For Work In Restricted Working Space, Add	9.23	
22 07 19 00-0094 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	80.78	14.08
For Single Layer Of Felt Finish, Add	4.46	
For Work In Restricted Working Space, Add	11.48	
22 07 19 00-0095 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	91.16	15.37
For Single Layer Of Felt Finish, Add	5.18	
For Work In Restricted Working Space, Add	12.53	
22 07 19 00-0096 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	107.80	19.65
For Single Layer Of Felt Finish, Add	5.71	
For Work In Restricted Working Space, Add	16.01	
22 07 19 00-0097 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	115.77	20.63
For Single Layer Of Felt Finish, Add	6.27	
For Work In Restricted Working Space, Add	16.82	
22 07 19 00-0098 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	131.46	23.59
For Single Layer Of Felt Finish, Add	7.07	
For Work In Restricted Working Space, Add	19.23	
22 07 19 00-0099 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	154.86	28.49
For Single Layer Of Felt Finish, Add	8.13	
For Work In Restricted Working Space, Add	23.23	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0100	3-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>			
	22 07 19 00-0101 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.20	6.99	
	<i>For Single Layer Of Felt Finish, Add</i>	1.16		
	<i>For Work In Restricted Working Space, Add</i>	5.75		
	22 07 19 00-0102 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.62	6.99	
	<i>For Single Layer Of Felt Finish, Add</i>	1.20		
	<i>For Work In Restricted Working Space, Add</i>	5.75		
	22 07 19 00-0103 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.02	6.99	
	<i>For Single Layer Of Felt Finish, Add</i>	1.34		
	<i>For Work In Restricted Working Space, Add</i>	5.78		
	22 07 19 00-0104 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.85	7.14	
	<i>For Single Layer Of Felt Finish, Add</i>	1.41		
	<i>For Work In Restricted Working Space, Add</i>	5.82		
	22 07 19 00-0105 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.84	7.14	
	<i>For Single Layer Of Felt Finish, Add</i>	1.49		
	<i>For Work In Restricted Working Space, Add</i>	5.90		
	22 07 19 00-0106 LF 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.09	7.43	
	<i>For Single Layer Of Felt Finish, Add</i>	1.55		
	<i>For Work In Restricted Working Space, Add</i>	6.09		
	22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.01	7.72	
	<i>For Single Layer Of Felt Finish, Add</i>	1.68		
	<i>For Work In Restricted Working Space, Add</i>	6.31		
	22 07 19 00-0108 LF 3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.68	8.00	
	<i>For Single Layer Of Felt Finish, Add</i>	1.78		
	<i>For Work In Restricted Working Space, Add</i>	6.53		
	22 07 19 00-0109 LF 4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.84	8.45	
	<i>For Single Layer Of Felt Finish, Add</i>	2.08		
	<i>For Work In Restricted Working Space, Add</i>	6.90		
	22 07 19 00-0110 LF 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.03	9.61	
	<i>For Single Layer Of Felt Finish, Add</i>	2.41		
	<i>For Work In Restricted Working Space, Add</i>	7.84		
	22 07 19 00-0111 LF 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	64.75	10.63	
	<i>For Single Layer Of Felt Finish, Add</i>	3.74		
	<i>For Work In Restricted Working Space, Add</i>	8.73		
	22 07 19 00-0112 LF 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.23	12.23	
	<i>For Single Layer Of Felt Finish, Add</i>	4.58		
	<i>For Work In Restricted Working Space, Add</i>	10.07		
	22 07 19 00-0113 LF 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.21	15.29	
	<i>For Single Layer Of Felt Finish, Add</i>	4.88		
	<i>For Work In Restricted Working Space, Add</i>	12.52		
	22 07 19 00-0114 LF 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	99.58	16.74	
	<i>For Single Layer Of Felt Finish, Add</i>	5.67		
	<i>For Work In Restricted Working Space, Add</i>	13.67		
	22 07 19 00-0115 LF 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	117.75	21.26	
	<i>For Single Layer Of Felt Finish, Add</i>	6.25		
	<i>For Work In Restricted Working Space, Add</i>	17.47		
	22 07 19 00-0116 LF 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	126.43	22.42	
	<i>For Single Layer Of Felt Finish, Add</i>	6.85		
	<i>For Work In Restricted Working Space, Add</i>	18.35		
	22 07 19 00-0117 LF 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	143.61	25.63	
	<i>For Single Layer Of Felt Finish, Add</i>	7.74		
	<i>For Work In Restricted Working Space, Add</i>	20.98		
	22 07 19 00-0118 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	169.13	30.87	
	<i>For Single Layer Of Felt Finish, Add</i>	8.89		
	<i>For Work In Restricted Working Space, Add</i>	25.34		
22 07 19 00-0119	4" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>			
	22 07 19 00-0120 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.18	7.86	
	<i>For Single Layer Of Felt Finish, Add</i>	1.36		
	<i>For Work In Restricted Working Space, Add</i>	6.38		
	22 07 19 00-0121 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.64	7.86	
	<i>For Single Layer Of Felt Finish, Add</i>	1.40		
	<i>For Work In Restricted Working Space, Add</i>	6.38		
	22 07 19 00-0122 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.96	7.86	
	<i>For Single Layer Of Felt Finish, Add</i>	1.50		
	<i>For Work In Restricted Working Space, Add</i>	6.49		
	22 07 19 00-0123 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.03	8.00	
	<i>For Single Layer Of Felt Finish, Add</i>	1.59		
	<i>For Work In Restricted Working Space, Add</i>	6.57		
	22 07 19 00-0124 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.54	8.30	
	<i>For Single Layer Of Felt Finish, Add</i>	1.68		
	<i>For Work In Restricted Working Space, Add</i>	6.77		
	22 07 19 00-0125 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.93	8.59	
	<i>For Single Layer Of Felt Finish, Add</i>	1.75		
	<i>For Work In Restricted Working Space, Add</i>	6.98		
	22 07 19 00-0126 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.63	8.59	
	<i>For Single Layer Of Felt Finish, Add</i>	1.89		
	<i>For Work In Restricted Working Space, Add</i>	7.09		
	22 07 19 00-0127 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.67	9.03	
	<i>For Single Layer Of Felt Finish, Add</i>	2.01		
	<i>For Work In Restricted Working Space, Add</i>	7.35		

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0128 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.16	9.46
For Single Layer Of Felt Finish, Add	2.34	
For Work In Restricted Working Space, Add	7.76	
22 07 19 00-0129 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.14	10.78
For Single Layer Of Felt Finish, Add	2.71	
For Work In Restricted Working Space, Add	8.81	
22 07 19 00-0130 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	72.85	11.64
For Single Layer Of Felt Finish, Add	4.21	
For Work In Restricted Working Space, Add	9.82	
22 07 19 00-0131 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	86.90	13.84
For Single Layer Of Felt Finish, Add	5.15	
For Work In Restricted Working Space, Add	11.34	
22 07 19 00-0132 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	99.26	17.18
For Single Layer Of Felt Finish, Add	5.49	
For Work In Restricted Working Space, Add	14.09	
22 07 19 00-0133 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	112.06	18.78
For Single Layer Of Felt Finish, Add	6.38	
For Work In Restricted Working Space, Add	15.39	
22 07 19 00-0134 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	132.53	24.02
For Single Layer Of Felt Finish, Add	7.03	
For Work In Restricted Working Space, Add	19.67	
22 07 19 00-0135 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	142.17	25.19
For Single Layer Of Felt Finish, Add	7.71	
For Work In Restricted Working Space, Add	20.62	
22 07 19 00-0136 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	159.64	28.83
For Single Layer Of Felt Finish, Add	8.50	
For Work In Restricted Working Space, Add	23.60	
22 07 19 00-0137 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	190.31	34.80
For Single Layer Of Felt Finish, Add	10.00	
For Work In Restricted Working Space, Add	28.51	
22 07 19 00-0138 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	217.71	41.06
For Single Layer Of Felt Finish, Add	11.10	
For Work In Restricted Working Space, Add	33.60	
22 07 19 00-0139 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	246.10	48.34
For Single Layer Of Felt Finish, Add	11.99	
For Work In Restricted Working Space, Add	39.57	
22 07 19 00-0140 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	278.44	57.08
For Single Layer Of Felt Finish, Add	12.83	
For Work In Restricted Working Space, Add	46.87	
22 07 19 00-0141 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	337.49	72.57
For Single Layer Of Felt Finish, Add	14.58	
For Work In Restricted Working Space, Add	59.60	
22 07 19 00-0142 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	396.54	88.38
For Single Layer Of Felt Finish, Add	16.32	
For Work In Restricted Working Space, Add	72.32	
22 07 19 00-0143 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	427.18	97.12
For Single Layer Of Felt Finish, Add	16.95	
For Work In Restricted Working Space, Add	79.71	
22 07 19 00-0144 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	454.58	104.55
For Single Layer Of Felt Finish, Add	17.64	
For Work In Restricted Working Space, Add	85.99	
22 07 19 00-0145 4-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0146 LF 1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.54	8.46
For Single Layer Of Felt Finish, Add	1.54	
For Work In Restricted Working Space, Add	6.86	
22 07 19 00-0147 LF 3/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.08	8.46
For Single Layer Of Felt Finish, Add	1.60	
For Work In Restricted Working Space, Add	6.86	
22 07 19 00-0148 LF 1" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.57	8.46
For Single Layer Of Felt Finish, Add	1.71	
For Work In Restricted Working Space, Add	6.98	
22 07 19 00-0149 LF 1-1/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.76	8.61
For Single Layer Of Felt Finish, Add	1.81	
For Work In Restricted Working Space, Add	7.06	
22 07 19 00-0150 LF 1-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.42	8.92
For Single Layer Of Felt Finish, Add	1.91	
For Work In Restricted Working Space, Add	7.28	
22 07 19 00-0151 LF 2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.97	9.23
For Single Layer Of Felt Finish, Add	1.99	
For Work In Restricted Working Space, Add	7.51	
22 07 19 00-0152 LF 2-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.89	9.23
For Single Layer Of Felt Finish, Add	2.15	
For Work In Restricted Working Space, Add	7.62	
22 07 19 00-0153 LF 3" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.16	9.70
For Single Layer Of Felt Finish, Add	2.29	
For Work In Restricted Working Space, Add	7.90	
22 07 19 00-0154 LF 4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	53.16	10.18
For Single Layer Of Felt Finish, Add	2.66	
For Work In Restricted Working Space, Add	8.34	
22 07 19 00-0155 LF 6" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.90	11.58
For Single Layer Of Felt Finish, Add	3.08	
For Work In Restricted Working Space, Add	9.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0156 LF 8" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	80.82	12.52
<i>For Single Layer Of Felt Finish, Add</i>	4.79	
<i>For Work In Restricted Working Space, Add</i>	10.56	
22 07 19 00-0157 LF 10" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	96.50	14.87
<i>For Single Layer Of Felt Finish, Add</i>	5.87	
<i>For Work In Restricted Working Space, Add</i>	12.19	
22 07 19 00-0158 LF 12" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	110.00	18.47
<i>For Single Layer Of Felt Finish, Add</i>	6.25	
<i>For Work In Restricted Working Space, Add</i>	15.15	
22 07 19 00-0159 LF 14" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	124.27	20.19
<i>For Single Layer Of Felt Finish, Add</i>	7.26	
<i>For Work In Restricted Working Space, Add</i>	16.54	
22 07 19 00-0160 LF 16" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	146.67	25.83
<i>For Single Layer Of Felt Finish, Add</i>	8.00	
<i>For Work In Restricted Working Space, Add</i>	21.15	
22 07 19 00-0161 LF 18" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	157.44	27.08
<i>For Single Layer Of Felt Finish, Add</i>	8.77	
<i>For Work In Restricted Working Space, Add</i>	22.16	
22 07 19 00-0162 LF 20" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	176.67	30.99
<i>For Single Layer Of Felt Finish, Add</i>	9.67	
<i>For Work In Restricted Working Space, Add</i>	25.37	
22 07 19 00-0163 LF 24" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	210.54	37.41
<i>For Single Layer Of Felt Finish, Add</i>	11.38	
<i>For Work In Restricted Working Space, Add</i>	30.65	
22 07 19 00-0164 LF 26" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	240.67	44.14
<i>For Single Layer Of Felt Finish, Add</i>	12.63	
<i>For Work In Restricted Working Space, Add</i>	36.12	
22 07 19 00-0165 LF 28" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	271.70	51.96
<i>For Single Layer Of Felt Finish, Add</i>	13.64	
<i>For Work In Restricted Working Space, Add</i>	42.53	
22 07 19 00-0166 LF 30" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	306.99	61.35
<i>For Single Layer Of Felt Finish, Add</i>	14.60	
<i>For Work In Restricted Working Space, Add</i>	50.39	
22 07 19 00-0167 LF 36" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	371.50	78.01
<i>For Single Layer Of Felt Finish, Add</i>	16.59	
<i>For Work In Restricted Working Space, Add</i>	64.06	
22 07 19 00-0168 LF 42" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	436.03	95.01
<i>For Single Layer Of Felt Finish, Add</i>	18.57	
<i>For Work In Restricted Working Space, Add</i>	77.75	
22 07 19 00-0169 LF 44" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	469.34	104.40
<i>For Single Layer Of Felt Finish, Add</i>	19.29	
<i>For Work In Restricted Working Space, Add</i>	85.69	
22 07 19 00-0170 LF 46" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	499.20	112.38
<i>For Single Layer Of Felt Finish, Add</i>	20.06	
<i>For Work In Restricted Working Space, Add</i>	92.44	
22 07 19 00-0171 5" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0172 LF 1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.67	9.30
<i>For Single Layer Of Felt Finish, Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	7.55	
22 07 19 00-0173 LF 3/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.25	9.30
<i>For Single Layer Of Felt Finish, Add</i>	1.80	
<i>For Work In Restricted Working Space, Add</i>	7.55	
22 07 19 00-0174 LF 1" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.91	9.30
<i>For Single Layer Of Felt Finish, Add</i>	1.92	
<i>For Work In Restricted Working Space, Add</i>	7.67	
22 07 19 00-0175 LF 1-1/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.27	9.47
<i>For Single Layer Of Felt Finish, Add</i>	2.03	
<i>For Work In Restricted Working Space, Add</i>	7.77	
22 07 19 00-0176 LF 1-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.13	9.81
<i>For Single Layer Of Felt Finish, Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	8.01	
22 07 19 00-0177 LF 2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.82	10.16
<i>For Single Layer Of Felt Finish, Add</i>	2.24	
<i>For Work In Restricted Working Space, Add</i>	8.26	
22 07 19 00-0178 LF 2-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	50.98	10.16
<i>For Single Layer Of Felt Finish, Add</i>	2.42	
<i>For Work In Restricted Working Space, Add</i>	8.39	
22 07 19 00-0179 LF 3" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	53.53	10.68
<i>For Single Layer Of Felt Finish, Add</i>	2.58	
<i>For Work In Restricted Working Space, Add</i>	8.69	
22 07 19 00-0180 LF 4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	59.13	11.19
<i>For Single Layer Of Felt Finish, Add</i>	3.00	
<i>For Work In Restricted Working Space, Add</i>	9.18	
22 07 19 00-0181 LF 6" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	67.73	12.74
<i>For Single Layer Of Felt Finish, Add</i>	3.47	
<i>For Work In Restricted Working Space, Add</i>	10.41	
22 07 19 00-0182 LF 8" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	90.03	13.78
<i>For Single Layer Of Felt Finish, Add</i>	5.39	
<i>For Work In Restricted Working Space, Add</i>	11.61	
22 07 19 00-0183 LF 10" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	107.54	16.36
<i>For Single Layer Of Felt Finish, Add</i>	6.60	
<i>For Work In Restricted Working Space, Add</i>	13.41	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0184 LF 12" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	122.48	20.32
For Single Layer Of Felt Finish, Add	7.03	
For Work In Restricted Working Space, Add	16.66	
22 07 19 00-0185 LF 14" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	138.43	22.21
For Single Layer Of Felt Finish, Add	8.17	
For Work In Restricted Working Space, Add	18.20	
22 07 19 00-0186 LF 16" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	163.24	28.40
For Single Layer Of Felt Finish, Add	9.00	
For Work In Restricted Working Space, Add	23.27	
22 07 19 00-0187 LF 18" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	175.26	29.78
For Single Layer Of Felt Finish, Add	9.87	
For Work In Restricted Working Space, Add	24.38	
22 07 19 00-0188 LF 20" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	196.66	34.10
For Single Layer Of Felt Finish, Add	10.88	
For Work In Restricted Working Space, Add	27.91	
22 07 19 00-0189 LF 24" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	234.31	41.15
For Single Layer Of Felt Finish, Add	12.80	
For Work In Restricted Working Space, Add	33.71	
22 07 19 00-0190 LF 26" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	267.74	48.55
For Single Layer Of Felt Finish, Add	14.21	
For Work In Restricted Working Space, Add	39.73	
22 07 19 00-0191 LF 28" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	302.13	57.16
For Single Layer Of Felt Finish, Add	15.35	
For Work In Restricted Working Space, Add	46.79	
22 07 19 00-0192 LF 30" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	341.17	67.50
For Single Layer Of Felt Finish, Add	16.42	
For Work In Restricted Working Space, Add	55.43	
22 07 19 00-0193 LF 36" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	412.61	85.82
For Single Layer Of Felt Finish, Add	18.66	
For Work In Restricted Working Space, Add	70.47	
22 07 19 00-0194 LF 42" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	484.05	104.51
For Single Layer Of Felt Finish, Add	20.89	
For Work In Restricted Working Space, Add	85.52	
22 07 19 00-0195 LF 44" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	520.86	114.85
For Single Layer Of Felt Finish, Add	21.70	
For Work In Restricted Working Space, Add	94.26	
22 07 19 00-0196 LF 46" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	553.91	123.62
For Single Layer Of Felt Finish, Add	22.57	
For Work In Restricted Working Space, Add	101.68	
22 07 19 00-0197 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell (22 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0198 1" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0199 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	24.31	7.11
For Work In Restricted Working Space, Add	6.46	
22 07 19 00-0200 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	25.02	7.11
For Work In Restricted Working Space, Add	6.46	
22 07 19 00-0201 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation.....	26.05	7.21
For Work In Restricted Working Space, Add	6.55	
22 07 19 00-0202 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	26.60	7.31
For Work In Restricted Working Space, Add	6.65	
22 07 19 00-0203 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	27.38	7.41
For Work In Restricted Working Space, Add	6.74	
22 07 19 00-0204 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation.....	28.92	7.61
For Work In Restricted Working Space, Add	6.93	
22 07 19 00-0205 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	30.88	7.93
For Work In Restricted Working Space, Add	7.21	
22 07 19 00-0206 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation.....	32.89	8.14
For Work In Restricted Working Space, Add	7.40	
22 07 19 00-0207 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation.....	37.36	8.75
For Work In Restricted Working Space, Add	7.96	
22 07 19 00-0208 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation.....	46.32	9.87
For Work In Restricted Working Space, Add	8.98	
22 07 19 00-0209 1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0210 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	28.02	7.87
For Work In Restricted Working Space, Add	6.93	
22 07 19 00-0211 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	28.47	7.87
For Work In Restricted Working Space, Add	6.93	
22 07 19 00-0212 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	29.22	7.98
For Work In Restricted Working Space, Add	7.02	
22 07 19 00-0213 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	29.86	8.08
For Work In Restricted Working Space, Add	7.11	
22 07 19 00-0214 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	30.45	8.19
For Work In Restricted Working Space, Add	7.21	
22 07 19 00-0215 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	32.63	8.46
For Work In Restricted Working Space, Add	7.45	
22 07 19 00-0216 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	36.19	8.78
For Work In Restricted Working Space, Add	7.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0217 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.33 7.96	9.04
22 07 19 00-0218 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.97 8.47	9.62
22 07 19 00-0219 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.36 9.59	10.91
22 07 19 00-0220 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.40 10.70	12.16
22 07 19 00-0221 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	68.97 12.34	14.03
22 07 19 00-0222 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	82.56 15.33	17.43
22 07 19 00-0223 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	91.35 16.66	18.33
22 07 19 00-0224 LF 16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.85 18.61	20.47
22 07 19 00-0225 LF 18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	115.29 22.02	24.21
22 07 19 00-0226 LF 20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	128.56 24.38	26.81
22 07 19 00-0227 LF 24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation <i>For Work In Restricted Working Space, Add</i>	156.86 27.00	29.70
22 07 19 00-0228 2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0229 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.09 7.40	8.14
22 07 19 00-0230 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.78 7.40	8.14
22 07 19 00-0231 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.77 7.49	8.22
22 07 19 00-0232 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.16 7.58	8.35
22 07 19 00-0233 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.59 7.67	8.45
22 07 19 00-0234 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.12 7.96	8.75
22 07 19 00-0235 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.92 8.24	9.07
22 07 19 00-0236 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.56 8.51	9.36
22 07 19 00-0237 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.42 8.99	9.88
22 07 19 00-0238 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.35 10.21	11.22
22 07 19 00-0239 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.86 11.38	12.52
22 07 19 00-0240 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	76.95 13.12	14.43
22 07 19 00-0241 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.38 16.31	17.94
22 07 19 00-0242 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	102.29 17.80	19.59
22 07 19 00-0243 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	122.72 22.75	25.03
22 07 19 00-0244 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	132.83 23.88	26.28
22 07 19 00-0245 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	147.87 27.31	30.03
22 07 19 00-0246 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	184.17 32.99	36.29
22 07 19 00-0247 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0248 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.75 8.02	8.83
22 07 19 00-0249 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.91 8.01	8.81
22 07 19 00-0250 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.55 8.15	8.96
22 07 19 00-0251 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.93 8.21	9.03
22 07 19 00-0252 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.33 8.27	9.10
22 07 19 00-0253 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.11 8.61	9.46
22 07 19 00-0254 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	47.74 8.91	9.80
22 07 19 00-0255 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.38 9.22	10.14
22 07 19 00-0256 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.94 9.72	10.69
22 07 19 00-0257 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	67.50 11.05	12.16

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0258 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	75.21	13.55
<i>For Work In Restricted Working Space, Add</i>	12.32	
22 07 19 00-0259 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	85.97	15.63
<i>For Work In Restricted Working Space, Add</i>	14.21	
22 07 19 00-0260 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	107.01	19.43
<i>For Work In Restricted Working Space, Add</i>	17.66	
22 07 19 00-0261 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	112.49	21.20
<i>For Work In Restricted Working Space, Add</i>	19.28	
22 07 19 00-0262 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	134.59	27.10
<i>For Work In Restricted Working Space, Add</i>	24.63	
22 07 19 00-0263 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	145.41	28.46
<i>For Work In Restricted Working Space, Add</i>	25.87	
22 07 19 00-0264 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	167.00	32.52
<i>For Work In Restricted Working Space, Add</i>	29.57	
22 07 19 00-0265 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	207.80	39.29
<i>For Work In Restricted Working Space, Add</i>	35.72	
22 07 19 00-0266 3" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0267 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation	43.20	9.38
<i>For Work In Restricted Working Space, Add</i>	8.53	
22 07 19 00-0268 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation	43.91	9.38
<i>For Work In Restricted Working Space, Add</i>	8.53	
22 07 19 00-0269 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation	45.09	9.54
<i>For Work In Restricted Working Space, Add</i>	8.67	
22 07 19 00-0270 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	46.00	9.59
<i>For Work In Restricted Working Space, Add</i>	8.73	
22 07 19 00-0271 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	46.97	9.68
<i>For Work In Restricted Working Space, Add</i>	8.80	
22 07 19 00-0272 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation	50.17	10.07
<i>For Work In Restricted Working Space, Add</i>	9.16	
22 07 19 00-0273 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	53.21	10.43
<i>For Work In Restricted Working Space, Add</i>	9.47	
22 07 19 00-0274 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation	59.48	10.79
<i>For Work In Restricted Working Space, Add</i>	9.81	
22 07 19 00-0275 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation	67.02	11.37
<i>For Work In Restricted Working Space, Add</i>	10.34	
22 07 19 00-0276 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation	73.82	12.93
<i>For Work In Restricted Working Space, Add</i>	11.75	
22 07 19 00-0277 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation	83.21	14.42
<i>For Work In Restricted Working Space, Add</i>	13.11	
22 07 19 00-0278 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation	98.74	16.63
<i>For Work In Restricted Working Space, Add</i>	15.11	
22 07 19 00-0279 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation	115.92	20.66
<i>For Work In Restricted Working Space, Add</i>	18.78	
22 07 19 00-0280 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation	124.52	22.55
<i>For Work In Restricted Working Space, Add</i>	20.51	
22 07 19 00-0281 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation	150.39	28.83
<i>For Work In Restricted Working Space, Add</i>	26.21	
22 07 19 00-0282 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation	160.46	30.27
<i>For Work In Restricted Working Space, Add</i>	27.52	
22 07 19 00-0283 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation	187.23	34.60
<i>For Work In Restricted Working Space, Add</i>	31.45	
22 07 19 00-0284 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation	228.45	41.81
<i>For Work In Restricted Working Space, Add</i>	38.00	
22 07 19 00-0285 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0286 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.11	11.37
<i>For Work In Restricted Working Space, Add</i>	10.34	
22 07 19 00-0287 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.00	11.37
<i>For Work In Restricted Working Space, Add</i>	10.34	
22 07 19 00-0288 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.12	11.44
<i>For Work In Restricted Working Space, Add</i>	10.41	
22 07 19 00-0289 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	55.23	11.51
<i>For Work In Restricted Working Space, Add</i>	10.48	
22 07 19 00-0290 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	56.56	11.66
<i>For Work In Restricted Working Space, Add</i>	10.61	
22 07 19 00-0291 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	61.53	12.07
<i>For Work In Restricted Working Space, Add</i>	10.97	
22 07 19 00-0292 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	66.58	12.49
<i>For Work In Restricted Working Space, Add</i>	11.36	
22 07 19 00-0293 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	70.08	12.93
<i>For Work In Restricted Working Space, Add</i>	11.75	
22 07 19 00-0294 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	74.89	13.67
<i>For Work In Restricted Working Space, Add</i>	12.42	
22 07 19 00-0295 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	86.02	15.52
<i>For Work In Restricted Working Space, Add</i>	14.11	
22 07 19 00-0296 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	97.50	17.28
<i>For Work In Restricted Working Space, Add</i>	15.71	
22 07 19 00-0297 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	115.95	19.95
<i>For Work In Restricted Working Space, Add</i>	18.13	
22 07 19 00-0298 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	138.11	24.80
<i>For Work In Restricted Working Space, Add</i>	22.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0299 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	145.15 24.61	27.07
22 07 19 00-0300 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	175.92 31.45	34.60
22 07 19 00-0301 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	191.84 33.02	36.33
22 07 19 00-0302 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	218.59 37.77	41.55
22 07 19 00-0303 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	267.65 45.60	50.16
22 07 19 00-0304 4" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0305 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.55 12.70	13.98
22 07 19 00-0306 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	64.70 12.70	13.98
22 07 19 00-0307 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	66.58 12.92	14.21
22 07 19 00-0308 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.23 13.07	14.39
22 07 19 00-0309 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	70.75 13.48	14.84
22 07 19 00-0310 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	75.79 13.90	15.29
22 07 19 00-0311 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	80.13 14.12	15.53
22 07 19 00-0312 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	83.95 14.64	16.11
22 07 19 00-0313 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	92.07 16.33	17.96
22 07 19 00-0314 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	105.18 17.53	19.27
22 07 19 00-0315 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	118.00 19.01	20.91
22 07 19 00-0316 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	135.93 22.58	24.84
22 07 19 00-0317 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	160.42 28.04	30.86
22 07 19 00-0318 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	174.57 30.64	33.69
22 07 19 00-0319 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	209.92 39.17	43.08
22 07 19 00-0320 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	231.11 41.05	45.16
22 07 19 00-0321 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	260.00 46.98	51.67
22 07 19 00-0322 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	327.02 56.75	62.44
22 07 19 00-0323 Flexible Polyethylene Tubing Closed Cell Foam Insulation <small>(22 07 19)</small>		
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0324 3/8" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0323)</small>		
22 07 19 00-0325 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.21 2.62	4.35
22 07 19 00-0326 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.23 2.62	4.35
22 07 19 00-0327 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.60 2.71	4.51
22 07 19 00-0328 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.97 2.80	4.66
22 07 19 00-0329 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.31 2.84	4.75
22 07 19 00-0330 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.70 2.89	4.82
22 07 19 00-0331 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.85 2.90	4.82
22 07 19 00-0332 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.27 2.92	4.82
22 07 19 00-0333 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.13 3.00	4.97
22 07 19 00-0334 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.51 3.05	5.05
22 07 19 00-0335 1/2" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0323)</small>		
22 07 19 00-0336 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.20 2.84	4.75
22 07 19 00-0337 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.31 2.87	4.75

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0338	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.47 2.89	4.82
22 07 19 00-0339	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.66 2.91	4.85
22 07 19 00-0340	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.15 2.98	4.97
22 07 19 00-0341	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.57 3.03	5.05
22 07 19 00-0342	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.03 3.08	5.13
22 07 19 00-0343	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.59 3.12	5.20
22 07 19 00-0344	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.57 3.21	5.36
22 07 19 00-0345	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.57 3.26	5.43
22 07 19 00-0346	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.51 3.30	5.50
22 07 19 00-0347	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.09 3.35	5.58
22 07 19 00-0348		3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0349	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.31 3.08	5.13
22 07 19 00-0350	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.46 3.12	5.20
22 07 19 00-0351	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.14 3.21	5.36
22 07 19 00-0352	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.45 3.26	5.43
22 07 19 00-0353	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.29 3.35	5.58
22 07 19 00-0354	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.11 3.39	5.66
22 07 19 00-0355	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.48 3.41	5.69
22 07 19 00-0356	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.97 3.44	5.74
22 07 19 00-0357	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.06 3.53	5.88
22 07 19 00-0358	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.20 3.58	5.97
22 07 19 00-0359	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.69 3.63	6.04
22 07 19 00-0360	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.32 3.67	6.11
22 07 19 00-0361		1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0362	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.82 3.39	5.66
22 07 19 00-0363	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.13 3.44	5.74
22 07 19 00-0364	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.09 3.53	5.88
22 07 19 00-0365	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.38 3.58	5.97
22 07 19 00-0366	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.78 3.67	6.11
22 07 19 00-0367	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.51 3.76	6.27
22 07 19 00-0368	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.80 3.80	6.34
22 07 19 00-0369	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.13 3.85	6.43
22 07 19 00-0370	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.12 3.95	6.59
22 07 19 00-0371	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.97 3.99	6.66
22 07 19 00-0372		Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0373		3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0374	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.48 2.62	4.35
22 07 19 00-0375	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.62 2.62	4.35
22 07 19 00-0376	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.99 2.71	4.51
22 07 19 00-0377	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.20 2.75	4.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0378 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.43	4.66
<i>For Work In Restricted Working Space, Add</i>	2.80	
22 07 19 00-0379 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.73	4.75
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-0380 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.00	4.82
<i>For Work In Restricted Working Space, Add</i>	2.89	
22 07 19 00-0381 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.24	4.82
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0382 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.45	4.82
<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0383 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.68	4.90
<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0384 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.02	4.97
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0385 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.30	4.97
<i>For Work In Restricted Working Space, Add</i>	3.00	
22 07 19 00-0386 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.52	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0387 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.80	5.05
<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0388 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.40	5.13
<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0389 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.12	5.20
<i>For Work In Restricted Working Space, Add</i>	3.12	
22 07 19 00-0390 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.89	5.23
<i>For Work In Restricted Working Space, Add</i>	3.14	
22 07 19 00-0391 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0392 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.64	4.75
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-0393 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.77	4.75
<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0394 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.93	4.82
<i>For Work In Restricted Working Space, Add</i>	2.89	
22 07 19 00-0395 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.12	4.82
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0396 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.28	4.82
<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0397 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.70	4.97
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0398 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.10	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0399 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.44	5.13
<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0400 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.78	5.17
<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0401 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.05	5.20
<i>For Work In Restricted Working Space, Add</i>	3.12	
22 07 19 00-0402 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.07	5.29
<i>For Work In Restricted Working Space, Add</i>	3.17	
22 07 19 00-0403 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.68	5.36
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0404 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.15	5.40
<i>For Work In Restricted Working Space, Add</i>	3.24	
22 07 19 00-0405 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.54	5.43
<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0406 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.84	5.47
<i>For Work In Restricted Working Space, Add</i>	3.28	
22 07 19 00-0407 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.09	5.50
<i>For Work In Restricted Working Space, Add</i>	3.30	
22 07 19 00-0408 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.25	5.58
<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0409 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.53	5.62
<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0410 LF 5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.64	5.66
<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0411 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.01	5.81
<i>For Work In Restricted Working Space, Add</i>	3.49	
22 07 19 00-0412 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.53	5.97
<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0413 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0414 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.10	5.13
<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0415 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.41	5.20
<i>For Work In Restricted Working Space, Add</i>	3.12	
22 07 19 00-0416 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.89	5.36
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0417 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.16	5.40
<i>For Work In Restricted Working Space, Add</i>	3.24	
22 07 19 00-0418 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.29	5.43
<i>For Work In Restricted Working Space, Add</i>	3.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0419	LF	1"	1 I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.97 3.35	5.58
22 07 19 00-0420	LF	1-1/4"	1 I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.48 3.39	5.66
22 07 19 00-0421	LF	1-1/2"	1 I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.01 3.44	5.74
22 07 19 00-0422	LF	1-1/2"	IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.14 3.44	5.74
22 07 19 00-0423	LF	2"	1 I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.35 3.47	5.78
22 07 19 00-0424	LF	2"	IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.94 3.49	5.81
22 07 19 00-0425	LF	2-1/2"	1 I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.29 3.53	5.88
22 07 19 00-0426	LF	2-1/2"	IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.96 3.56	5.92
22 07 19 00-0427	LF	3"	1 I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.43 3.58	5.97
22 07 19 00-0428	LF	3"	IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.15 3.61	6.01
22 07 19 00-0429	LF	3-1/2"	1 I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.43 3.63	6.04
22 07 19 00-0430	LF	4"	1 I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.50 3.67	6.11
22 07 19 00-0431	LF	4"	IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.36 3.69	6.16
22 07 19 00-0432	LF	5"	IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.77 3.71	6.18
22 07 19 00-0433	LF	6"	IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.29 3.76	6.27
22 07 19 00-0434	LF	8"	IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.14 3.85	6.43
22 07 19 00-0435			1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0436	LF	1/4"	1 I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.03 3.39	5.65
22 07 19 00-0437	LF	3/8"	1 I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.41 3.44	5.74
22 07 19 00-0438	LF	1/2"	1 I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.92 3.53	5.88
22 07 19 00-0439	LF	5/8"	1 I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.30 3.56	5.92
22 07 19 00-0440	LF	3/4"	1 I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.64 3.58	5.97
22 07 19 00-0441	LF	1"	1 I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.27 3.67	6.11
22 07 19 00-0442	LF	1-1/4"	1 I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.22 3.76	6.27
22 07 19 00-0443	LF	1-1/2"	1 I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.70 3.80	6.27
22 07 19 00-0444	LF	1-1/2"	IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.32 3.83	6.34
22 07 19 00-0445	LF	2"	1 I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.55 3.85	6.43
22 07 19 00-0446	LF	2"	IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.87 3.90	6.51
22 07 19 00-0447	LF	2-1/2"	1 I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.92 3.95	6.59
22 07 19 00-0448	LF	2-1/2"	IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.20 3.97	6.63
22 07 19 00-0449	LF	3"	1 I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.60 3.99	6.66
22 07 19 00-0450	LF	3"	IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.28 4.01	6.70
22 07 19 00-0451	LF	3-1/2"	1 I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.62 4.04	6.73
22 07 19 00-0452	LF	4"	1 I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.13 4.13	6.89
22 07 19 00-0453	LF	4"	IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	27.81 4.18	6.96
22 07 19 00-0454	LF	5"	IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.28 4.22	7.03
22 07 19 00-0455	LF	6"	IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.92 4.31	7.19
22 07 19 00-0456			1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0457	LF	3/8"	1 I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.38 3.80	6.33
22 07 19 00-0458	LF	1/2"	1 I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.89 3.89	6.47
22 07 19 00-0459	LF	5/8"	1 I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.28 3.91	6.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0460	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.67 3.93	6.57
22 07 19 00-0461	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.26 4.02	6.72
22 07 19 00-0462	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.25 4.17	6.96
22 07 19 00-0463	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.49 4.21	6.86
22 07 19 00-0464	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.56 4.26	7.02
22 07 19 00-0465	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.25 4.31	7.19
22 07 19 00-0466	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.29 4.36	7.28
22 07 19 00-0467	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.22 4.40	7.37
22 07 19 00-0468	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.13 4.43	7.40
22 07 19 00-0469	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.04 4.46	7.41
22 07 19 00-0470	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	33.10 4.47	7.45
22 07 19 00-0471	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	33.76 4.49	7.48
22 07 19 00-0472	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	37.43 4.64	7.76
22 07 19 00-0473	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	39.40 4.72	7.87
22 07 19 00-0474	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	44.06 4.80	7.99
22 07 19 00-0475	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	48.76 4.94	8.24
22 07 19 00-0476			2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0477	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.51 4.19	6.99
22 07 19 00-0478	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	29.58 4.28	7.09
22 07 19 00-0479	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.31 4.30	7.15
22 07 19 00-0480	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.90 4.31	7.21
22 07 19 00-0481	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	33.43 4.40	7.35
22 07 19 00-0482	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	35.38 4.62	7.70
22 07 19 00-0483	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	36.46 4.65	7.51
22 07 19 00-0484	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	38.40 4.74	7.77
22 07 19 00-0485	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	40.27 4.83	8.03
22 07 19 00-0486	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	41.51 4.87	8.14
22 07 19 00-0487	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	44.02 4.91	8.24
22 07 19 00-0488	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	44.34 4.94	8.25
22 07 19 00-0489	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	46.68 4.97	8.28
22 07 19 00-0490	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	48.30 4.99	8.30
22 07 19 00-0491	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	50.02 5.00	8.35
22 07 19 00-0492	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	55.89 5.22	8.74
22 07 19 00-0493	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	59.29 5.34	8.91
22 07 19 00-0494	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	60.36 5.45	9.09
22 07 19 00-0495	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	67.40 5.66	9.45
22 07 19 00-0496			Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19) Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0497			3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0496)		
22 07 19 00-0498	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.23 2.62	4.35
22 07 19 00-0499	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.32 2.62	4.35

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0500 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.65 2.71	4.51
22 07 19 00-0501 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.04 2.80	4.66
22 07 19 00-0502 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.29 2.84	4.75
22 07 19 00-0503 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.68 2.89	4.82
22 07 19 00-0504 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.95 2.90	4.82
22 07 19 00-0505 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.15 2.92	4.97
22 07 19 00-0506 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.08 3.00	4.97
22 07 19 00-0507 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.89 3.05	5.05
22 07 19 00-0508 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.89 3.12	5.20
22 07 19 00-0509 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0496)		
22 07 19 00-0510 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.26 2.84	4.75
22 07 19 00-0511 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.36 2.87	4.75
22 07 19 00-0512 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.54 2.89	4.82
22 07 19 00-0513 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.77 2.91	4.82
22 07 19 00-0514 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.09 2.98	4.97
22 07 19 00-0515 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.53 3.03	5.05
22 07 19 00-0516 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.98 3.08	5.13
22 07 19 00-0517 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.43 3.12	5.20
22 07 19 00-0518 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.42 3.21	5.36
22 07 19 00-0519 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.27 3.26	5.43
22 07 19 00-0520 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.89 3.35	5.58
22 07 19 00-0521 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0496)		
22 07 19 00-0522 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.42 3.08	5.13
22 07 19 00-0523 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.76 3.12	5.20
22 07 19 00-0524 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.20 3.21	5.36
22 07 19 00-0525 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.79 3.26	5.43
22 07 19 00-0526 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.40 3.35	5.58
22 07 19 00-0527 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.32 3.39	5.66
22 07 19 00-0528 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.92 3.41	5.66
22 07 19 00-0529 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.61 3.44	5.74
22 07 19 00-0530 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.98 3.53	5.88
22 07 19 00-0531 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.18 3.58	5.97
22 07 19 00-0532 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.49 3.67	6.11
22 07 19 00-0533 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0496)		
22 07 19 00-0534 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.36 3.39	5.66
22 07 19 00-0535 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.56 3.44	5.74
22 07 19 00-0536 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.01 3.53	5.88
22 07 19 00-0537 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.84 3.58	5.97
22 07 19 00-0538 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.59 3.67	6.11
22 07 19 00-0539 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.36 3.76	6.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0540 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.05 3.80	6.27
22 07 19 00-0541 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.57 3.85	6.43
22 07 19 00-0542 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.63 3.95	6.59
22 07 19 00-0543 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.08 3.99	6.66
22 07 19 00-0544 Flexible Elastomeric Unicellular Insulation <small>(22 07 19)</small> Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0545 3/8" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0544)</small>		
22 07 19 00-0546 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	10.30 2.61	4.35
22 07 19 00-0547 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	10.86 2.71	4.51
22 07 19 00-0548 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	11.36 2.80	4.68
22 07 19 00-0549 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	11.79 2.84	4.75
22 07 19 00-0550 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.25 2.89	4.82
22 07 19 00-0551 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.92 2.90	4.85
22 07 19 00-0552 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	13.80 2.98	4.98
22 07 19 00-0553 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	15.83 3.00	5.01
22 07 19 00-0554 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.32 3.05	5.08
22 07 19 00-0555 1/2" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0544)</small>		
22 07 19 00-0556 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	11.75 2.81	4.68
22 07 19 00-0557 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.29 2.89	4.82
22 07 19 00-0558 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.66 2.91	4.82
22 07 19 00-0559 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	13.25 2.98	4.97
22 07 19 00-0560 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.74 3.03	5.05
22 07 19 00-0561 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.43 3.08	5.13
22 07 19 00-0562 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	15.74 3.12	5.20
22 07 19 00-0563 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.91 3.21	5.36
22 07 19 00-0564 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	19.33 3.26	5.43
22 07 19 00-0565 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	22.18 3.30	5.50
22 07 19 00-0566 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	23.53 3.35	5.58
22 07 19 00-0567 3/4" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0544)</small>		
22 07 19 00-0568 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	13.87 3.05	5.10
22 07 19 00-0569 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.72 3.21	5.36
22 07 19 00-0570 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	15.67 3.26	5.43
22 07 19 00-0571 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.04 3.35	5.59
22 07 19 00-0572 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	18.01 3.39	5.66
22 07 19 00-0573 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	20.38 3.44	5.74
22 07 19 00-0574 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	22.39 3.47	5.78
22 07 19 00-0575 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	25.46 3.53	5.89
22 07 19 00-0576 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	27.56 3.58	5.97
22 07 19 00-0577 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	31.05 3.63	6.04
22 07 19 00-0578 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	32.65 3.67	6.11



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0579		1" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0544)		
22 07 19 00-0580	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.07	5.66
		<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0581	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.97	5.89
		<i>For Work In Restricted Working Space, Add</i>	3.53	
22 07 19 00-0582	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	20.80	5.97
		<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0583	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	23.01	6.11
		<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0584	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	25.03	6.27
		<i>For Work In Restricted Working Space, Add</i>	3.76	
22 07 19 00-0585	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	26.53	6.34
		<i>For Work In Restricted Working Space, Add</i>	3.80	
22 07 19 00-0586	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	29.50	6.43
		<i>For Work In Restricted Working Space, Add</i>	3.85	
22 07 19 00-0587	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	36.67	6.59
		<i>For Work In Restricted Working Space, Add</i>	3.95	
22 07 19 00-0588	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	41.81	6.66
		<i>For Work In Restricted Working Space, Add</i>	3.99	
22 07 19 00-0589	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	44.60	6.73
		<i>For Work In Restricted Working Space, Add</i>	4.04	
22 07 19 00-0590	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	50.34	6.89
		<i>For Work In Restricted Working Space, Add</i>	4.13	
22 07 19 00-0591		Insulation Foam Rubber (22 07 19)		
22 07 19 00-0592		Covering 4x6 Sheet (22 07 19 00-0591)		
22 07 19 00-0593	SF	1" Thick Foam Rubber Sheet Insulation	27.65	10.34
22 07 19 00-0594		Insulation Protective Jacketing (22 07 19)		
		Note: Jacketing only and to be added to insulation prices when required.		
22 07 19 00-0595		Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0594)		
22 07 19 00-0596		Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0595)		
22 07 19 00-0597	SF	0.006" Aluminum Insulation Jacket With Bands	21.81	9.32
22 07 19 00-0598	SF	0.010" Aluminum Insulation Jacket With Bands	22.15	9.32
22 07 19 00-0599	SF	0.016" Aluminum Insulation Jacket With Bands	22.48	9.32
22 07 19 00-0600	SF	0.020" Aluminum Insulation Jacket With Bands	22.77	9.32
22 07 19 00-0601	SF	0.024" Aluminum Insulation Jacket With Bands	23.05	9.32
22 07 19 00-0602		16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0603	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	11.00	2.64
		<i>For Stucco Embossed, Add</i>	0.00	
		<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0604	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	11.37	2.70
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0605	LF	1" ID, 0.016" Aluminum Insulation Jacketing	11.74	2.78
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0606	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.14	2.85
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0607	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.43	2.89
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0608	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.72	2.93
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0609	LF	2" ID, 0.016" Aluminum Insulation Jacketing	13.09	2.99
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0610	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	13.46	3.05
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0611	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.86	3.12
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0612	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	14.18	3.17
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0613	LF	3" ID, 0.016" Aluminum Insulation Jacketing	14.60	3.24
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0614	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	15.01	3.31
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0615 LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.44 0.02 0.05	3.39
22 07 19 00-0616 LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.81 0.02 0.05	3.45
22 07 19 00-0617 LF 4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.26 0.02 0.05	3.53
22 07 19 00-0618 LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.73 0.02 0.06	3.62
22 07 19 00-0619 LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.24 0.02 0.06	3.71
22 07 19 00-0620 LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.65 0.03 0.06	3.78
22 07 19 00-0621 LF 5" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.17 0.03 0.07	3.88
22 07 19 00-0622 LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.73 0.03 0.07	3.99
22 07 19 00-0623 LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.18 0.03 0.07	4.07
22 07 19 00-0624 LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.78 0.03 0.08	4.19
22 07 19 00-0625 LF 6" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.40 0.03 0.08	4.31
22 07 19 00-0626 LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.79 0.03 0.08	4.38
22 07 19 00-0627 LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.18 0.03 0.08	4.44
22 07 19 00-0628 LF 7" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.82 0.04 0.09	4.55
22 07 19 00-0629 LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.38 0.04 0.09	4.66
22 07 19 00-0630 LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.80 0.04 0.10	4.74
22 07 19 00-0631 LF 8" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.36 0.04 0.10	4.82
22 07 19 00-0632 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.93 0.04 0.11	4.90
22 07 19 00-0633 LF 9" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.67 0.05 0.11	5.02
22 07 19 00-0634 LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.28 0.05 0.12	5.11
22 07 19 00-0635 LF 10" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.89 0.05 0.13	5.20
22 07 19 00-0636 LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.51 0.05 0.13	5.30
22 07 19 00-0637 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.35 0.06 0.14	5.44
22 07 19 00-0638 LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.03 0.06 0.15	5.55
22 07 19 00-0639 LF 12" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.70 0.06 0.15	5.65
22 07 19 00-0640 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.62 0.06 0.16	5.82
22 07 19 00-0641 LF 13" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.10 0.07 0.16	5.88
22 07 19 00-0642 LF 14" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.84 0.07 0.18	5.94

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0643	LF	15" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.82 0.08 0.19	6.06
22 07 19 00-0644	LF	16" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.57 0.08 0.20	6.13
22 07 19 00-0645	LF	17" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.59 0.09 0.21	6.26
22 07 19 00-0646	LF	18" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.20 0.09 0.22	6.33
22 07 19 00-0647	LF	19" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.41 0.10 0.24	6.48
22 07 19 00-0648	LF	20" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.20 0.10 0.25	6.55
22 07 19 00-0649	LF	21" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.30 0.11 0.26	6.70
22 07 19 00-0650	LF	22" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.09 0.11 0.28	6.78
22 07 19 00-0651	LF	23" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.23 0.12 0.29	6.94
22 07 19 00-0652	LF	24" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.06 0.12 0.30	7.02
22 07 19 00-0653		20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0595)</small>		
22 07 19 00-0654	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.17 0.01 0.01	2.92
22 07 19 00-0655	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.59 0.01 0.02	2.98
22 07 19 00-0656	LF	1" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.04 0.01 0.02	3.05
22 07 19 00-0657	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.48 0.01 0.02	3.13
22 07 19 00-0658	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.83 0.01 0.03	3.17
22 07 19 00-0659	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.17 0.01 0.03	3.22
22 07 19 00-0660	LF	2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.59 0.01 0.04	3.29
22 07 19 00-0661	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.01 0.02 0.04	3.36
22 07 19 00-0662	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.48 0.02 0.04	3.43
22 07 19 00-0663	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.86 0.02 0.05	3.48
22 07 19 00-0664	LF	3" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.34 0.02 0.05	3.56
22 07 19 00-0665	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.82 0.02 0.06	3.64
22 07 19 00-0666	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.31 0.02 0.06	3.72
22 07 19 00-0667	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.73 0.03 0.06	3.79
22 07 19 00-0668	LF	4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.25 0.03 0.07	3.88
22 07 19 00-0669	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.80 0.03 0.07	3.98
22 07 19 00-0670	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.37 0.03 0.08	4.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0671 LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.84 0.03 0.08	4.16
22 07 19 00-0672 LF 5" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.44 0.03 0.08	4.27
22 07 19 00-0673 LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.07 0.04 0.09	4.38
22 07 19 00-0674 LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.59 0.04 0.09	4.48
22 07 19 00-0675 LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.28 0.04 0.10	4.61
22 07 19 00-0676 LF 6" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.98 0.04 0.10	4.75
22 07 19 00-0677 LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.41 0.04 0.10	4.82
22 07 19 00-0678 LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.87 0.04 0.11	4.89
22 07 19 00-0679 LF 7" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.61 0.05 0.11	5.01
22 07 19 00-0680 LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.25 0.05 0.12	5.13
22 07 19 00-0681 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.73 0.05 0.12	5.21
22 07 19 00-0682 LF 8" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.41 0.05 0.13	5.30
22 07 19 00-0683 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.06 0.06 0.14	5.38
22 07 19 00-0684 LF 9" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.92 0.06 0.15	5.52
22 07 19 00-0685 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.64 0.06 0.15	5.62
22 07 19 00-0686 LF 10" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.35 0.06 0.16	5.72
22 07 19 00-0687 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.07 0.07 0.17	5.82
22 07 19 00-0688 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.03 0.07 0.18	5.98
22 07 19 00-0689 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.81 0.07 0.19	6.10
22 07 19 00-0690 LF 12" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.60 0.08 0.19	6.22
22 07 19 00-0691 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.66 0.08 0.20	6.40
22 07 19 00-0692 LF 13" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.23 0.08 0.21	6.48
22 07 19 00-0693 LF 14" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.13 0.09 0.22	6.54
22 07 19 00-0694 LF 15" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.29 0.10 0.24	6.68
22 07 19 00-0695 LF 16" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.21 0.10 0.26	6.75
22 07 19 00-0696 LF 17" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.40 0.11 0.27	6.89
22 07 19 00-0697 LF 18" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.12 0.11 0.28	6.97
22 07 19 00-0698 LF 19" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.58 0.12 0.30	7.12

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0699 LF 20" ID, 0.020" Aluminum Insulation Jacketing	41.54	7.20
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.32	
22 07 19 00-0700 LF 21" ID, 0.020" Aluminum Insulation Jacketing	42.82	7.36
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.33	
22 07 19 00-0701 LF 22" ID, 0.020" Aluminum Insulation Jacketing	43.77	7.45
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.35	
22 07 19 00-0702 LF 23" ID, 0.020" Aluminum Insulation Jacketing	45.12	7.63
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.37	
22 07 19 00-0703 LF 24" ID, 0.020" Aluminum Insulation Jacketing	46.11	7.72
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.38	
22 07 19 00-0704 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0595)</small>		
22 07 19 00-0705 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing	13.33	3.18
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0706 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing	13.81	3.25
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0707 LF 1" ID, 0.024" Aluminum Insulation Jacketing	14.30	3.33
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0708 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing	14.81	3.41
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0709 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.20	3.46
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0710 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing	15.60	3.51
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0711 LF 2" ID, 0.024" Aluminum Insulation Jacketing	16.07	3.58
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0712 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing	16.56	3.66
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0713 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing	17.08	3.74
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0714 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing	17.50	3.80
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0715 LF 3" ID, 0.024" Aluminum Insulation Jacketing	18.05	3.88
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.06	
22 07 19 00-0716 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing	18.59	3.97
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0717 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.14	4.06
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0718 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing	19.61	4.13
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0719 LF 4" ID, 0.024" Aluminum Insulation Jacketing	20.20	4.23
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0720 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing	20.80	4.34
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.09	
22 07 19 00-0721 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing	21.46	4.45
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0722 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing	21.99	4.53
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0723 LF 5" ID, 0.024" Aluminum Insulation Jacketing	22.66	4.66
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0724 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing	23.34	4.79
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0725 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing	23.94	4.89
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0726 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing	24.71	5.03
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0727 LF 6" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.49 0.05 0.12	5.18
22 07 19 00-0728 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.99 0.05 0.12	5.26
22 07 19 00-0729 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.49 0.05 0.13	5.34
22 07 19 00-0730 LF 7" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.34 0.06 0.14	5.46
22 07 19 00-0731 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.04 0.06 0.14	5.59
22 07 19 00-0732 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.59 0.06 0.15	5.68
22 07 19 00-0733 LF 8" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.37 0.06 0.16	5.78
22 07 19 00-0734 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.10 0.07 0.17	5.87
22 07 19 00-0735 LF 9" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.08 0.07 0.17	6.02
22 07 19 00-0736 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.89 0.07 0.18	6.13
22 07 19 00-0737 LF 10" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.71 0.08 0.19	6.24
22 07 19 00-0738 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.53 0.08 0.20	6.35
22 07 19 00-0739 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.60 0.08 0.21	6.54
22 07 19 00-0740 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.50 0.09 0.22	6.66
22 07 19 00-0741 LF 12" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.38 0.09 0.23	6.79
22 07 19 00-0742 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.56 0.10 0.24	6.99
22 07 19 00-0743 LF 13" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.22 0.10 0.25	7.06
22 07 19 00-0744 LF 14" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.27 0.11 0.27	7.13
22 07 19 00-0745 LF 15" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.60 0.11 0.29	7.28
22 07 19 00-0746 LF 16" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.67 0.12 0.31	7.36
22 07 19 00-0747 LF 17" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.04 0.13 0.32	7.51
22 07 19 00-0748 LF 18" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.88 0.13 0.34	7.60
22 07 19 00-0749 LF 19" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.54 0.14 0.36	7.76
22 07 19 00-0750 LF 20" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.66 0.15 0.38	7.85
22 07 19 00-0751 LF 21" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.13 0.16 0.40	8.03
22 07 19 00-0752 LF 22" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.24 0.17 0.42	8.12
22 07 19 00-0753 LF 23" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.77 0.17 0.44	8.33
22 07 19 00-0754 LF 24" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.91 0.18 0.46	8.42

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0755			32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0595)</small>		
22 07 19 00-0756	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing	14.93	3.52
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0757	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing	15.50	3.60
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0758	LF		1" ID, 0.032" Aluminum Insulation Jacketing	16.08	3.69
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0759	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing	16.69	3.78
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0760	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing	17.17	3.83
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0761	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing	17.65	3.89
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0762	LF		2" ID, 0.032" Aluminum Insulation Jacketing	18.22	3.97
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0763	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing	18.79	4.05
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0764	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing	19.42	4.14
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0765	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing	19.94	4.21
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0766	LF		3" ID, 0.032" Aluminum Insulation Jacketing	20.59	4.30
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0767	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing	21.24	4.40
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0768	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.90	4.50
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0769	LF		3-3/4" ID, 0.032" Aluminum Insulation Jacketing	22.45	4.58
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0770	LF		4" ID, 0.032" Aluminum Insulation Jacketing	23.15	4.70
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0771	LF		4-1/4" ID, 0.032" Aluminum Insulation Jacketing	23.86	4.82
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0772	LF		4-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.64	4.94
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0773	LF		4-3/4" ID, 0.032" Aluminum Insulation Jacketing	25.27	5.03
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0774	LF		5" ID, 0.032" Aluminum Insulation Jacketing	26.04	5.17
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0775	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing	26.87	5.31
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0776	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing	27.56	5.42
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0777	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing	28.46	5.57
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0778	LF		6" ID, 0.032" Aluminum Insulation Jacketing	29.38	5.74
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0779	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing	29.97	5.82
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0780	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing	30.56	5.91
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0781	LF		7" ID, 0.032" Aluminum Insulation Jacketing	31.59	6.05
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0782	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing	32.42	6.19
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0783 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.07 0.08 0.20	6.29
22 07 19 00-0784 LF 8" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.00 0.08 0.21	6.40
22 07 19 00-0785 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.91 0.09 0.22	6.51
22 07 19 00-0786 LF 9" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.08 0.09 0.23	6.68
22 07 19 00-0787 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.07 0.10 0.25	6.80
22 07 19 00-0788 LF 10" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.06 0.10 0.26	6.92
22 07 19 00-0789 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.04 0.11 0.27	7.04
22 07 19 00-0790 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.34 0.11 0.28	7.24
22 07 19 00-0791 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.42 0.12 0.30	7.38
22 07 19 00-0792 LF 12" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.48 0.12 0.31	7.52
22 07 19 00-0793 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.89 0.13 0.32	7.74
22 07 19 00-0794 LF 13" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.69 0.13 0.33	7.82
22 07 19 00-0795 LF 14" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.04 0.14 0.36	7.90
22 07 19 00-0796 LF 15" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.69 0.15 0.39	8.07
22 07 19 00-0797 LF 16" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.05 0.16 0.41	8.15
22 07 19 00-0798 LF 17" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.74 0.17 0.44	8.33
22 07 19 00-0799 LF 18" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.79 0.18 0.45	8.42
22 07 19 00-0800 LF 19" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	53.87 0.19 0.49	8.61
22 07 19 00-0801 LF 20" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	55.28 0.20 0.51	8.71
22 07 19 00-0802 LF 21" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	57.06 0.21 0.54	8.91
22 07 19 00-0803 LF 22" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	58.48 0.22 0.56	9.01
22 07 19 00-0804 LF 23" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	60.36 0.23 0.59	9.22
22 07 19 00-0805 LF 24" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	61.79 0.24 0.61	9.33
22 07 19 00-0806 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0807 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.25 0.01 0.03	4.05
22 07 19 00-0808 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.94 0.01 0.03	4.14
22 07 19 00-0809 LF 1" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.64 0.02 0.04	4.24
22 07 19 00-0810 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.36 0.02 0.05	4.34

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0811	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.95	4.41
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0812	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	20.52	4.47
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0813	LF	2" ID, 0.040" Aluminum Insulation Jacketing	21.20	4.56
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0814	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	21.89	4.67
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0815	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	22.64	4.77
		<i>For Stucco Embossed, Add</i>	0.04	
		<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0816	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	23.27	4.85
		<i>For Stucco Embossed, Add</i>	0.04	
		<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0817	LF	3" ID, 0.040" Aluminum Insulation Jacketing	24.04	4.95
		<i>For Stucco Embossed, Add</i>	0.04	
		<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0818	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	24.80	5.07
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0819	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	25.58	5.18
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0820	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	26.26	5.27
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0821	LF	4" ID, 0.040" Aluminum Insulation Jacketing	27.09	5.40
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0822	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	27.94	5.53
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0823	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	28.85	5.67
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0824	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	29.61	5.79
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0825	LF	5" ID, 0.040" Aluminum Insulation Jacketing	30.53	5.94
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0826	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	31.49	6.10
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0827	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	32.32	6.23
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0828	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	33.38	6.41
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0829	LF	6" ID, 0.040" Aluminum Insulation Jacketing	34.45	6.60
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0830	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	35.16	6.70
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0831	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	35.89	6.81
		<i>For Stucco Embossed, Add</i>	0.09	
		<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0832	LF	7" ID, 0.040" Aluminum Insulation Jacketing	37.11	6.96
		<i>For Stucco Embossed, Add</i>	0.09	
		<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0833	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	38.09	7.13
		<i>For Stucco Embossed, Add</i>	0.10	
		<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0834	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	38.86	7.25
		<i>For Stucco Embossed, Add</i>	0.10	
		<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0835	LF	8" ID, 0.040" Aluminum Insulation Jacketing	39.98	7.37
		<i>For Stucco Embossed, Add</i>	0.11	
		<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0836	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	41.08	7.49
		<i>For Stucco Embossed, Add</i>	0.11	
		<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0837	LF	9" ID, 0.040" Aluminum Insulation Jacketing	42.48	7.68
		<i>For Stucco Embossed, Add</i>	0.12	
		<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0838	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	43.68	7.81
		<i>For Stucco Embossed, Add</i>	0.12	
		<i>For Corrugated, Add</i>	0.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0839 LF 10" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.85 0.13 0.33	7.95
22 07 19 00-0840 LF 10-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.07 0.14 0.34	8.10
22 07 19 00-0841 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.59 0.14 0.36	8.33
22 07 19 00-0842 LF 11-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.88 0.15 0.37	8.49
22 07 19 00-0843 LF 12" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.17 0.16 0.39	8.65
22 07 19 00-0844 LF 12-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.83 0.16 0.40	8.91
22 07 19 00-0845 LF 13" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	52.82 0.17 0.42	9.00
22 07 19 00-0846 LF 14" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	54.46 0.18 0.45	9.09
22 07 19 00-0847 LF 15" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	56.47 0.19 0.48	9.28
22 07 19 00-0848 LF 16" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	58.14 0.21 0.52	9.38
22 07 19 00-0849 LF 17" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	60.20 0.22 0.55	9.58
22 07 19 00-0850 LF 18" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	61.46 0.23 0.57	9.68
22 07 19 00-0851 LF 19" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	64.00 0.24 0.61	9.90
22 07 19 00-0852 LF 20" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	65.73 0.26 0.64	10.01
22 07 19 00-0853 LF 21" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	67.89 0.27 0.67	10.25
22 07 19 00-0854 LF 22" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	69.62 0.28 0.70	10.37
22 07 19 00-0855 LF 23" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	71.88 0.29 0.74	10.61
22 07 19 00-0856 LF 24" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	73.64 0.31 0.77	10.74
22 07 19 00-0857 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0595)		
22 07 19 00-0858 EA 1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.81	4.16
22 07 19 00-0859 EA 1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.42	4.31
22 07 19 00-0860 EA 2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.69	4.48
22 07 19 00-0861 EA 2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.97	4.55
22 07 19 00-0862 EA 2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.26	4.63
22 07 19 00-0863 EA 2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.71	4.74
22 07 19 00-0864 EA 3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.84	4.86
22 07 19 00-0865 EA 3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.33	4.98
22 07 19 00-0866 EA 3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.21	5.07
22 07 19 00-0867 EA 3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.82	5.16
22 07 19 00-0868 EA 4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	31.86	5.30
22 07 19 00-0869 EA 4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.56	5.39
22 07 19 00-0870 EA 4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.97	5.49
22 07 19 00-0871 EA 4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.39	5.60
22 07 19 00-0872 EA 5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.23	5.71
22 07 19 00-0873 EA 5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.59	5.82
22 07 19 00-0874 EA 5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.82	6.00
22 07 19 00-0875 EA 5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.32	6.13
22 07 19 00-0876 EA 6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.50	6.33
22 07 19 00-0877 EA 6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.06	6.48
22 07 19 00-0878 EA 6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.06	6.70
22 07 19 00-0879 EA 7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	49.60	6.85
22 07 19 00-0880 EA 7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.92	6.94
22 07 19 00-0881 EA 7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	60.70	7.02
22 07 19 00-0882 EA 8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	52.74	7.10
22 07 19 00-0883 EA 8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	74.08	7.28
22 07 19 00-0884 EA 9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	74.83	7.47

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0885 EA 9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	63.32	7.56
22 07 19 00-0886 EA 10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	63.73	7.66
22 07 19 00-0887 EA 10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	64.85	7.76
22 07 19 00-0888 EA 11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.27	7.87
22 07 19 00-0889 EA 11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.77	8.09
22 07 19 00-0890 EA 12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	71.22	8.20
22 07 19 00-0891 EA 12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	102.12	8.44
22 07 19 00-0892 EA 13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	102.62	8.57
22 07 19 00-0893 EA 14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	126.97	8.83
22 07 19 00-0894 EA 15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	132.24	9.10
22 07 19 00-0895 EA 16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	141.53	9.24
22 07 19 00-0896 EA 2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.90	4.63
22 07 19 00-0897 EA 2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.35	4.74
22 07 19 00-0898 EA 3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.67	4.86
22 07 19 00-0899 EA 3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.16	4.98
22 07 19 00-0900 EA 3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	28.53	5.07
22 07 19 00-0901 EA 3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.88	5.16
22 07 19 00-0902 EA 4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.58	5.30
22 07 19 00-0903 EA 4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.16	5.39
22 07 19 00-0904 EA 4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.57	5.49
22 07 19 00-0905 EA 4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.99	5.60
22 07 19 00-0906 EA 5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.10	5.71
22 07 19 00-0907 EA 5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.56	5.82
22 07 19 00-0908 EA 5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.83	6.00
22 07 19 00-0909 EA 6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.13	6.33
22 07 19 00-0910 EA 6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	43.09	6.70
22 07 19 00-0911 EA 7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	43.72	6.85
22 07 19 00-0912 EA 7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.53	7.02
22 07 19 00-0913 EA 8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.87	7.10
22 07 19 00-0914 EA 8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	49.59	7.28
22 07 19 00-0915 EA 9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	50.34	7.47
22 07 19 00-0916 EA 9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	58.67	7.56
22 07 19 00-0917 EA 10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	59.08	7.66
22 07 19 00-0918 EA 10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	57.64	7.76
22 07 19 00-0919 EA 11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	58.06	7.87
22 07 19 00-0920 EA 11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.29	8.09
22 07 19 00-0921 EA 12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.74	8.20
22 07 19 00-0922 EA 13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	71.74	8.57
22 07 19 00-0923 EA 14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	81.29	8.83
22 07 19 00-0924 EA 15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	107.25	9.10
22 07 19 00-0925 EA 16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	113.79	9.24
22 07 19 00-0926 EA 17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	112.57	9.39
22 07 19 00-0927 EA 18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	123.74	9.55
22 07 19 00-0928 EA 19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	143.33	9.70
22 07 19 00-0929 EA 20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	140.56	9.87
22 07 19 00-0930 EA 21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	149.28	10.04
22 07 19 00-0931 EA 2-1/2" ID, Aluminum Tee Insulation Jacketing.....	70.51	6.62
22 07 19 00-0932 EA 2-3/4" ID, Aluminum Tee Insulation Jacketing.....	71.13	6.78
22 07 19 00-0933 EA 3" ID, Aluminum Tee Insulation Jacketing.....	77.49	6.94
22 07 19 00-0934 EA 3-1/4" ID, Aluminum Tee Insulation Jacketing.....	78.17	7.10
22 07 19 00-0935 EA 3-1/2" ID Aluminum Tee Insulation Jacketing.....	81.26	7.28
22 07 19 00-0936 EA 4" ID, Aluminum Tee Insulation Jacketing.....	82.58	7.47
22 07 19 00-0937 EA 4-1/4" ID, Aluminum Tee Insulation Jacketing.....	86.41	7.66
22 07 19 00-0938 EA 4-1/2" ID, Aluminum Tee Insulation Jacketing.....	86.77	7.87
22 07 19 00-0939 EA 4-3/4" ID, Aluminum Tee Insulation Jacketing.....	87.65	8.09
22 07 19 00-0940 EA 5" ID, Aluminum Tee Insulation Jacketing.....	90.64	8.33
22 07 19 00-0941 EA 5-1/4" ID, Aluminum Tee Insulation Jacketing.....	91.62	8.57
22 07 19 00-0942 EA 5-1/2" ID, Aluminum Tee Insulation Jacketing.....	95.20	8.83
22 07 19 00-0943 EA 6" ID, Aluminum Tee Insulation Jacketing.....	96.30	9.10
22 07 19 00-0944 EA 6-1/2" ID, Aluminum Tee Insulation Jacketing.....	104.62	9.70
22 07 19 00-0945 EA 7" ID, Aluminum Tee Insulation Jacketing.....	105.96	10.04
22 07 19 00-0946 EA 7-1/2" ID, Aluminum Tee Insulation Jacketing.....	114.76	10.40
22 07 19 00-0947 EA 8" ID, Aluminum Tee Insulation Jacketing.....	116.31	10.79
22 07 19 00-0948 EA 8-1/2" ID, Aluminum Tee Insulation Jacketing.....	119.89	11.20
22 07 19 00-0949 EA 9" ID, Aluminum Tee Insulation Jacketing.....	121.68	11.64
22 07 19 00-0950 EA 9-1/2" ID, Aluminum Tee Insulation Jacketing.....	103.28	11.88
22 07 19 00-0951 EA 10" ID, Aluminum Tee Insulation Jacketing.....	104.26	12.14
22 07 19 00-0952 EA 10-1/2" ID, Aluminum Tee Insulation Jacketing.....	108.93	12.39
22 07 19 00-0953 EA 11" ID, Aluminum Tee Insulation Jacketing.....	110.01	12.66
22 07 19 00-0954 EA 11-1/2" ID, Aluminum Tee Insulation Jacketing.....	114.37	12.94
22 07 19 00-0955 EA 12" ID, Aluminum Tee Insulation Jacketing.....	115.55	13.23
22 07 19 00-0956 EA 13" ID, Aluminum Tee Insulation Jacketing.....	119.90	13.54
22 07 19 00-0957 EA 14" ID, Aluminum Tee Insulation Jacketing.....	124.41	13.87
22 07 19 00-0958 EA 15" ID, Aluminum Tee Insulation Jacketing.....	131.38	14.21
22 07 19 00-0959 EA 16" ID, Aluminum Tee Insulation Jacketing.....	134.67	14.56
22 07 19 00-0960 EA 17" ID, Aluminum Tee Insulation Jacketing.....	147.61	14.93
22 07 19 00-0961 EA 18" ID, Aluminum Tee Insulation Jacketing.....	152.59	15.32
22 07 19 00-0962 EA 19" ID, Aluminum Tee Insulation Jacketing.....	163.92	15.75
22 07 19 00-0963 EA 20" ID, Aluminum Tee Insulation Jacketing.....	167.87	16.18
22 07 19 00-0964 EA 22" ID, Aluminum Tee Insulation Jacketing.....	197.79	16.64
22 07 19 00-0965 EA 23" ID, Aluminum Tee Insulation Jacketing.....	203.40	17.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0966 EA 24" ID, Aluminum Tee Insulation Jacketing	213.54	18.79
22 07 19 00-0967 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0594)		
22 07 19 00-0968 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0967)		
22 07 19 00-0969 SF 0.010" Stainless Steel Insulation Jacket With Bands	27.11	10.92
22 07 19 00-0970 SF 0.016" Stainless Steel Insulation Jacket With Bands	33.23	13.10
22 07 19 00-0971 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0967)		
22 07 19 00-0972 LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	13.22	2.33
22 07 19 00-0973 LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	13.75	2.37
22 07 19 00-0974 LF 3" ID, 0.010" Stainless Steel Insulation Jacketing	14.29	2.42
22 07 19 00-0975 LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	14.85	2.48
22 07 19 00-0976 LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	15.42	2.53
22 07 19 00-0977 LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	15.99	2.58
22 07 19 00-0978 LF 4" ID, 0.010" Stainless Steel Insulation Jacketing	16.57	2.64
22 07 19 00-0979 LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	17.16	2.70
22 07 19 00-0980 LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	17.76	2.78
22 07 19 00-0981 LF 5" ID, 0.010" Stainless Steel Insulation Jacketing	19.01	2.92
22 07 19 00-0982 LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	20.32	3.07
22 07 19 00-0983 LF 6" ID, 0.010" Stainless Steel Insulation Jacketing	21.68	3.24
22 07 19 00-0984 LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	22.74	3.33
22 07 19 00-0985 LF 7" ID, 0.010" Stainless Steel Insulation Jacketing	23.84	3.43
22 07 19 00-0986 LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	25.03	3.55
22 07 19 00-0987 LF 8" ID, 0.010" Stainless Steel Insulation Jacketing	25.98	3.62
22 07 19 00-0988 LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	26.95	3.69
22 07 19 00-0989 LF 9" ID, 0.010" Stainless Steel Insulation Jacketing	27.93	3.76
22 07 19 00-0990 LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	28.91	3.83
22 07 19 00-0991 LF 10" ID, 0.010" Stainless Steel Insulation Jacketing	29.92	3.91
22 07 19 00-0992 LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	30.94	3.99
22 07 19 00-0993 LF 11" ID, 0.010" Stainless Steel Insulation Jacketing	31.96	4.07
22 07 19 00-0994 LF 12" ID, 0.010" Stainless Steel Insulation Jacketing	34.05	4.25
22 07 19 00-0995 LF 13" ID, 0.010" Stainless Steel Insulation Jacketing	36.09	4.41
22 07 19 00-0996 LF 14" ID, 0.010" Stainless Steel Insulation Jacketing	37.74	4.48
22 07 19 00-0997 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0967)		
22 07 19 00-0998 LF 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	18.05	3.10
22 07 19 00-0999 LF 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	18.80	3.16
22 07 19 00-1000 LF 3" ID, 0.016" Stainless Steel Insulation Jacketing	19.56	3.23
22 07 19 00-1001 LF 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	20.35	3.30
22 07 19 00-1002 LF 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	21.14	3.37
22 07 19 00-1003 LF 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	21.95	3.44
22 07 19 00-1004 LF 4" ID, 0.016" Stainless Steel Insulation Jacketing	22.76	3.52
22 07 19 00-1005 LF 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	23.58	3.60
22 07 19 00-1006 LF 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	24.41	3.69
22 07 19 00-1007 LF 5" ID, 0.016" Stainless Steel Insulation Jacketing	26.17	3.87
22 07 19 00-1008 LF 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	27.99	4.07
22 07 19 00-1009 LF 6" ID, 0.016" Stainless Steel Insulation Jacketing	29.89	4.30
22 07 19 00-1010 LF 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	31.39	4.42
22 07 19 00-1011 LF 7" ID, 0.016" Stainless Steel Insulation Jacketing	32.93	4.55
22 07 19 00-1012 LF 7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	34.58	4.73
22 07 19 00-1013 LF 8" ID, 0.016" Stainless Steel Insulation Jacketing	35.93	4.82
22 07 19 00-1014 LF 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	37.30	4.91
22 07 19 00-1015 LF 9" ID, 0.016" Stainless Steel Insulation Jacketing	38.70	5.00
22 07 19 00-1016 LF 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	40.09	5.10
22 07 19 00-1017 LF 10" ID, 0.016" Stainless Steel Insulation Jacketing	41.50	5.20
22 07 19 00-1018 LF 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	42.96	5.31
22 07 19 00-1019 LF 11" ID, 0.0106 Stainless Steel Insulation Jacketing	44.39	5.42
22 07 19 00-1020 LF 12" ID, 0.016" Stainless Steel Insulation Jacketing	47.33	5.65
22 07 19 00-1021 LF 13" ID, 0.016" Stainless Steel Insulation Jacketing	50.22	5.87
22 07 19 00-1022 LF 14" ID, 0.016" Stainless Steel Insulation Jacketing	52.57	5.96
22 07 19 00-1023 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0967)		
22 07 19 00-1024 EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	35.70	4.63
22 07 19 00-1025 EA 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.15	4.74
22 07 19 00-1026 EA 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.42	4.86
22 07 19 00-1027 EA 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.91	4.98
22 07 19 00-1028 EA 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	39.17	5.07
22 07 19 00-1029 EA 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.59	5.16
22 07 19 00-1030 EA 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	43.14	5.30
22 07 19 00-1031 EA 4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	50.76	5.39
22 07 19 00-1032 EA 4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	51.17	5.49
22 07 19 00-1033 EA 5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	52.71	5.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

22 07 19 00-1034	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	68.54	6.00
22 07 19 00-1035	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	74.19	6.33
22 07 19 00-1036	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	94.05	6.70
22 07 19 00-1037	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	94.68	6.85
22 07 19 00-1038	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	106.62	7.02
22 07 19 00-1039	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	107.67	7.28
22 07 19 00-1040	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	110.34	7.28
22 07 19 00-1041	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	153.41	7.47
22 07 19 00-1042	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	151.64	7.56
22 07 19 00-1043	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	152.05	7.66
22 07 19 00-1044	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	176.30	7.76
22 07 19 00-1045	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	170.13	7.87
22 07 19 00-1046	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	190.21	8.20
22 07 19 00-1047	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	252.34	8.57
22 07 19 00-1048	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	254.85	8.83
22 07 19 00-1049	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	32.84	4.63
22 07 19 00-1050	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.29	4.74
22 07 19 00-1051	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	34.86	4.86
22 07 19 00-1052	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	35.35	4.98
22 07 19 00-1053	EA	3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	35.89	5.07
22 07 19 00-1054	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	36.24	5.16
22 07 19 00-1055	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	41.27	5.30
22 07 19 00-1056	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	49.77	5.39
22 07 19 00-1057	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	50.18	5.49
22 07 19 00-1058	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	50.60	5.60
22 07 19 00-1059	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	51.52	5.71
22 07 19 00-1060	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	52.70	6.00
22 07 19 00-1061	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	59.35	6.33
22 07 19 00-1062	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	60.81	6.70
22 07 19 00-1063	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	84.99	6.85
22 07 19 00-1064	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	86.83	7.02
22 07 19 00-1065	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	87.17	7.10
22 07 19 00-1066	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	97.88	7.28
22 07 19 00-1067	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	98.63	7.47
22 07 19 00-1068	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	110.98	7.56
22 07 19 00-1069	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	111.39	7.66
22 07 19 00-1070	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	128.08	7.76
22 07 19 00-1071	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	128.50	7.87
22 07 19 00-1072	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	138.17	8.20
22 07 19 00-1073	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	158.24	8.57

22 07 19 00-1074 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0594)

22 07 19 00-1075 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1074)

22 07 19 00-1076	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.31	2.16
22 07 19 00-1077	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.20	2.24
22 07 19 00-1078	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.98	2.33
22 07 19 00-1079	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.92	2.42
22 07 19 00-1080	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.77	2.53
22 07 19 00-1081	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.72	2.64
22 07 19 00-1082	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.71	2.78
22 07 19 00-1083	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.68	2.92
22 07 19 00-1084	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.79	3.07
22 07 19 00-1085	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.96	3.24
22 07 19 00-1086	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.82	3.33
22 07 19 00-1087	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.63	3.43
22 07 19 00-1088	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.70	3.55
22 07 19 00-1089	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	22.38	3.62
22 07 19 00-1090	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.15	3.69
22 07 19 00-1091	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.92	3.76
22 07 19 00-1092	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	24.70	3.83
22 07 19 00-1093	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	25.44	3.91
22 07 19 00-1094	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	26.25	3.99
22 07 19 00-1095	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	27.07	4.07
22 07 19 00-1096	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	27.91	4.16
22 07 19 00-1097	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	28.69	4.25
22 07 19 00-1098	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	29.63	4.34
22 07 19 00-1099	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	30.31	4.41
22 07 19 00-1100	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	30.80	4.41
22 07 19 00-1101	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	31.56	4.48
22 07 19 00-1102	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	32.82	4.55
22 07 19 00-1103	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	34.02	4.63
22 07 19 00-1104	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	35.30	4.70
22 07 19 00-1105	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	36.58	4.78
22 07 19 00-1106	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	37.82	4.86
22 07 19 00-1107	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	39.13	4.94
22 07 19 00-1108	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	40.37	5.02
22 07 19 00-1109	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	41.70	5.11
22 07 19 00-1110	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	42.98	5.20
22 07 19 00-1111	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	44.34	5.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1112	LF		25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	45.71	5.39
22 07 19 00-1113	LF		26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	47.03	5.49
22 07 19 00-1114	LF		27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	48.43	5.60
22 07 19 00-1115	LF		28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	49.78	5.71
22 07 19 00-1116	LF		29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	51.22	5.82
22 07 19 00-1117	LF		30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	52.67	5.94
22 07 19 00-1118			30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1074)		
22 07 19 00-1119	LF		2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.25	2.24
22 07 19 00-1120	LF		2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.31	2.33
22 07 19 00-1121	LF		3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.46	2.42
22 07 19 00-1122	LF		3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.52	2.53
22 07 19 00-1123	LF		4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.68	2.64
22 07 19 00-1124	LF		4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.88	2.78
22 07 19 00-1125	LF		5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.13	2.92
22 07 19 00-1126	LF		5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.45	3.07
22 07 19 00-1127	LF		6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.83	3.24
22 07 19 00-1128	LF		6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.90	3.33
22 07 19 00-1129	LF		7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.99	3.43
22 07 19 00-1130	LF		7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.27	3.55
22 07 19 00-1131	LF		8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.23	3.62
22 07 19 00-1132	LF		8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.21	3.69
22 07 19 00-1133	LF		9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.18	3.76
22 07 19 00-1134	LF		9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.17	3.83
22 07 19 00-1135	LF		10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	30.19	3.91
22 07 19 00-1136	LF		10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	31.21	3.99
22 07 19 00-1137	LF		11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	32.24	4.07
22 07 19 00-1138	LF		11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	33.29	4.16
22 07 19 00-1139	LF		12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	34.35	4.25
22 07 19 00-1140	LF		12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	35.50	4.34
22 07 19 00-1141	LF		13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	36.47	4.41
22 07 19 00-1142	LF		13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	37.17	4.41
22 07 19 00-1143	LF		14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	38.14	4.48
22 07 19 00-1144	LF		15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	39.82	4.55
22 07 19 00-1145	LF		16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	41.51	4.63
22 07 19 00-1146	LF		17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	43.21	4.70
22 07 19 00-1147	LF		18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	44.98	4.78
22 07 19 00-1148	LF		19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	46.71	4.86
22 07 19 00-1149	LF		20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	48.44	4.94
22 07 19 00-1150	LF		21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	50.17	5.02
22 07 19 00-1151	LF		22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	51.92	5.11
22 07 19 00-1152	LF		23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	53.69	5.20
22 07 19 00-1153	LF		24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	55.47	5.30
22 07 19 00-1154	LF		25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	57.33	5.39
22 07 19 00-1155	LF		26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	59.14	5.49
22 07 19 00-1156	LF		27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	60.95	5.60
22 07 19 00-1157	LF		28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	62.79	5.71
22 07 19 00-1158	LF		29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	64.65	5.82
22 07 19 00-1159	LF		30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	66.52	5.94
22 07 19 00-1160			Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-1074)		
22 07 19 00-1161	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.10	4.31
22 07 19 00-1162	EA		2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.68	4.48
22 07 19 00-1163	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.52	4.55
22 07 19 00-1164	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.37	4.63
22 07 19 00-1165	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.31	4.74
22 07 19 00-1166	EA		3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.14	4.86
22 07 19 00-1167	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.71	5.02
22 07 19 00-1168	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	29.15	5.16
22 07 19 00-1169	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.96	5.30
22 07 19 00-1170	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.20	5.55
22 07 19 00-1171	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.48	5.82
22 07 19 00-1172	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	44.53	6.13
22 07 19 00-1173	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	59.26	6.48
22 07 19 00-1174	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	61.91	6.70
22 07 19 00-1175	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	71.42	6.85
22 07 19 00-1176	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	74.25	7.02
22 07 19 00-1177	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	88.53	7.28
22 07 19 00-1178	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	109.60	7.56
22 07 19 00-1179	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	120.06	7.87
22 07 19 00-1180	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	134.34	8.20
22 07 19 00-1181	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	162.45	8.57
22 07 19 00-1182	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	181.82	8.83
22 07 19 00-1183	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	193.84	9.10
22 07 19 00-1184	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	208.83	9.24
22 07 19 00-1185	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	228.24	9.39
22 07 19 00-1186	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	284.14	9.55
22 07 19 00-1187	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	372.74	9.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1188 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	468.63	9.87
22 07 19 00-1189 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.10	4.31
22 07 19 00-1190 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	22.68	4.48
22 07 19 00-1191 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	23.52	4.55
22 07 19 00-1192 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	24.37	4.63
22 07 19 00-1193 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	25.31	4.74
22 07 19 00-1194 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	26.14	4.86
22 07 19 00-1195 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.71	5.02
22 07 19 00-1196 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	29.15	5.16
22 07 19 00-1197 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	31.96	5.30
22 07 19 00-1198 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	35.20	5.55
22 07 19 00-1199 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	38.48	5.82
22 07 19 00-1200 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	44.53	6.13
22 07 19 00-1201 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	59.26	6.48
22 07 19 00-1202 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	61.91	6.70
22 07 19 00-1203 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	71.42	6.85
22 07 19 00-1204 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	74.25	7.02
22 07 19 00-1205 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	88.53	7.28
22 07 19 00-1206 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	109.60	7.56
22 07 19 00-1207 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	119.99	7.87
22 07 19 00-1208 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	130.42	8.20
22 07 19 00-1209 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	143.21	8.57
22 07 19 00-1210 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	159.78	8.83
22 07 19 00-1211 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	169.98	9.10
22 07 19 00-1212 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	189.52	9.24
22 07 19 00-1213 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	209.35	9.39
22 07 19 00-1214 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	248.11	9.55
22 07 19 00-1215 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	325.16	9.70
22 07 19 00-1216 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	363.81	9.87
22 07 19 00-1217 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	31.55	6.06
22 07 19 00-1218 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	33.05	6.19
22 07 19 00-1219 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	34.56	6.40
22 07 19 00-1220 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	36.27	6.62
22 07 19 00-1221 EA 2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	38.19	6.85
22 07 19 00-1222 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	40.10	7.10
22 07 19 00-1223 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	42.92	7.37
22 07 19 00-1224 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	45.91	7.66
22 07 19 00-1225 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	49.96	7.98
22 07 19 00-1226 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	55.74	8.33
22 07 19 00-1227 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	61.78	8.70
22 07 19 00-1228 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	72.88	9.24
22 07 19 00-1229 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	85.99	9.70
22 07 19 00-1230 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	97.85	9.87
22 07 19 00-1231 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	135.19	10.22
22 07 19 00-1232 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	146.57	10.79
22 07 19 00-1233 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	170.61	11.20
22 07 19 00-1234 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	194.93	11.64
22 07 19 00-1235 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	198.62	12.14
22 07 19 00-1236 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	216.31	12.39
22 07 19 00-1237 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	234.05	12.66
22 07 19 00-1238 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	251.96	12.94
22 07 19 00-1239 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	269.72	13.23
22 07 19 00-1240 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	287.68	13.54
22 07 19 00-1241 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	305.48	13.87
22 07 19 00-1242 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	332.02	14.21
22 07 19 00-1243 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	358.49	14.56
22 07 19 00-1244 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	390.57	14.93
22 07 19 00-1245 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	47.08	4.16
22 07 19 00-1246 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	47.08	4.16
22 07 19 00-1247 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	55.80	4.31
22 07 19 00-1248 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	55.80	4.31
22 07 19 00-1249 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	78.73	4.48
22 07 19 00-1250 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	86.16	4.66
22 07 19 00-1251 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	95.06	4.86
22 07 19 00-1252 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	107.80	5.07
22 07 19 00-1253 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	118.72	5.30
22 07 19 00-1254 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	144.56	5.82
22 07 19 00-1255 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	205.01	6.48
22 07 19 00-1256 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	224.20	7.28
22 07 19 00-1257 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	280.65	7.76
22 07 19 00-1258 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	393.22	8.57
22 07 19 00-1259 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	395.44	8.96
22 07 19 00-1260 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	526.01	9.24
22 07 19 00-1261 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	710.76	9.55
22 07 19 00-1262 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	43.72	4.16
22 07 19 00-1263 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	43.72	4.16
22 07 19 00-1264 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	51.75	4.31
22 07 19 00-1265 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	51.75	4.31
22 07 19 00-1266 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	72.08	4.48
22 07 19 00-1267 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	78.75	4.66
22 07 19 00-1268 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	86.94	4.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1269 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	91.49	5.07
22 07 19 00-1270 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	107.95	5.30
22 07 19 00-1271 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	131.20	5.82
22 07 19 00-1272 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	185.35	6.48
22 07 19 00-1273 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	202.65	7.28
22 07 19 00-1274 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	253.22	7.76
22 07 19 00-1275 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	353.96	8.57
22 07 19 00-1276 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	451.69	8.96
22 07 19 00-1277 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	540.78	9.24
22 07 19 00-1278 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	632.81	9.55
22 07 19 00-1279 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	64.72	6.26
22 07 19 00-1280 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	64.72	6.26
22 07 19 00-1281 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	75.98	6.48
22 07 19 00-1282 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	75.98	6.48
22 07 19 00-1283 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	105.78	6.70
22 07 19 00-1284 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	115.61	6.94
22 07 19 00-1285 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	127.43	7.28
22 07 19 00-1286 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	134.44	7.56
22 07 19 00-1287 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	159.12	7.98
22 07 19 00-1288 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	174.92	8.70
22 07 19 00-1289 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	246.16	9.70
22 07 19 00-1290 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	267.90	10.79
22 07 19 00-1291 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	371.12	11.64
22 07 19 00-1292 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	517.15	12.66
22 07 19 00-1293 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	617.66	13.54
22 07 19 00-1294 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	731.40	13.87
22 07 19 00-1295 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	801.46	14.21

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001

Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	24.77	5.64
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.47	
		<i>For ASTM 120, Deduct</i>	-0.91	
		<i>For Work In Restricted Working Space, Add</i>	5.61	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	27.32	6.06
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.35	
		<i>For ASTM 120, Deduct</i>	-1.13	
		<i>For Work In Restricted Working Space, Add</i>	5.94	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	31.23	6.63
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.76	
		<i>For ASTM 120, Deduct</i>	-1.51	
		<i>For Work In Restricted Working Space, Add</i>	6.35	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	36.83	6.91
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	10.96	
		<i>For ASTM 120, Deduct</i>	-2.16	
		<i>For Work In Restricted Working Space, Add</i>	6.74	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	39.87	8.18
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	12.08	
		<i>For ASTM 120, Deduct</i>	-2.47	
		<i>For Work In Restricted Working Space, Add</i>	7.03	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	48.42	9.86
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	15.12	
		<i>For ASTM 120, Deduct</i>	-3.26	
		<i>For Work In Restricted Working Space, Add</i>	8.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0008	LF		2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....71.33 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 24.29 <i>For ASTM 120, Deduct</i> -6.01 <i>For Work In Restricted Working Space, Add</i> 9.37		11.70
22 11 16 00-0009	LF		3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....88.07 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 30.17 <i>For ASTM 120, Deduct</i> -7.53 <i>For Work In Restricted Working Space, Add</i> 11.36		15.65
22 11 16 00-0010	LF		4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....133.30 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 50.28 <i>For ASTM 120, Deduct</i> -14.17 <i>For Work In Restricted Working Space, Add</i> 11.64		16.61
22 11 16 00-0011	LF		5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....235.93 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 94.45 <i>For ASTM 120, Deduct</i> -28.36 <i>For Work In Restricted Working Space, Add</i> 14.07		21.23
22 11 16 00-0012	LF		6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....286.58 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 115.64 <i>For ASTM 120, Deduct</i> -35.00 <i>For Work In Restricted Working Space, Add</i> 15.98		25.11
22 11 16 00-0013			Galvanized Steel Pipe And Threaded Fittings ^(22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014			Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ^(22 11 16 00-0013) Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0015	LF		1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....11.98 <i>For Schedule 80 Pipe, Add</i> 2.50 <i>For ASTM 120, Deduct</i> -0.51 <i>For Work In Restricted Working Space, Add</i> 2.57		5.64
22 11 16 00-0016	LF		3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....13.63 <i>For Schedule 80 Pipe, Add</i> 3.08 <i>For ASTM 120, Deduct</i> -0.68 <i>For Work In Restricted Working Space, Add</i> 2.73		6.06
22 11 16 00-0017	LF		1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....16.58 <i>For Schedule 80 Pipe, Add</i> 4.22 <i>For ASTM 120, Deduct</i> -1.01 <i>For Work In Restricted Working Space, Add</i> 2.96		6.63
22 11 16 00-0018	LF		1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....19.56 <i>For Schedule 80 Pipe, Add</i> 5.42 <i>For ASTM 120, Deduct</i> -1.37 <i>For Work In Restricted Working Space, Add</i> 3.14		6.91
22 11 16 00-0019	LF		1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....23.16 <i>For Schedule 80 Pipe, Add</i> 6.46 <i>For ASTM 120, Deduct</i> -1.64 <i>For Work In Restricted Working Space, Add</i> 3.68		8.18
22 11 16 00-0020	LF		2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....29.47 <i>For Schedule 80 Pipe, Add</i> 8.51 <i>For ASTM 120, Deduct</i> -2.19 <i>For Work In Restricted Working Space, Add</i> 4.45		9.86
22 11 16 00-0021	LF		2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....40.83 <i>For Schedule 80 Pipe, Add</i> 12.90 <i>For ASTM 120, Deduct</i> -3.48 <i>For Work In Restricted Working Space, Add</i> 5.29		11.70
22 11 16 00-0022	LF		3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....53.89 <i>For Schedule 80 Pipe, Add</i> 16.94 <i>For ASTM 120, Deduct</i> -4.56 <i>For Work In Restricted Working Space, Add</i> 7.05		15.65
22 11 16 00-0023	LF		4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....68.24 <i>For Schedule 80 Pipe, Add</i> 23.26 <i>For ASTM 120, Deduct</i> -6.49 <i>For Work In Restricted Working Space, Add</i> 7.49		16.61
22 11 16 00-0024	LF		5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....89.81 <i>For Schedule 80 Pipe, Add</i> 31.03 <i>For ASTM 120, Deduct</i> -8.70 <i>For Work In Restricted Working Space, Add</i> 9.54		21.23
22 11 16 00-0025	LF		6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....112.87 <i>For Schedule 80 Pipe, Add</i> 39.89 <i>For ASTM 120, Deduct</i> -11.29 <i>For Work In Restricted Working Space, Add</i> 11.28		25.11
22 11 16 00-0026	LF		8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....126.73 <i>For Schedule 80 Pipe, Add</i> 43.57 <i>For ASTM 120, Deduct</i> -12.20 <i>For Work In Restricted Working Space, Add</i> 13.63		30.35



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
<small>Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.</small>		
22 11 16 00-0028 LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	16.74	5.64
<i>For Schedule 80 Pipe, Add</i>	4.79	
<i>For ASTM 120, Deduct</i>	-1.23	
<i>For Work In Restricted Working Space, Add</i>	2.57	
22 11 16 00-0029 LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	18.91	6.06
<i>For Schedule 80 Pipe, Add</i>	5.62	
<i>For ASTM 120, Deduct</i>	-1.47	
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 11 16 00-0030 LF 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	21.26	6.63
<i>For Schedule 80 Pipe, Add</i>	6.46	
<i>For ASTM 120, Deduct</i>	-1.71	
<i>For Work In Restricted Working Space, Add</i>	2.96	
22 11 16 00-0031 LF 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.79	6.91
<i>For Schedule 80 Pipe, Add</i>	7.93	
<i>For ASTM 120, Deduct</i>	-2.15	
<i>For Work In Restricted Working Space, Add</i>	3.14	
22 11 16 00-0032 LF 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.63	8.18
<i>For Schedule 80 Pipe, Add</i>	9.08	
<i>For ASTM 120, Deduct</i>	-2.46	
<i>For Work In Restricted Working Space, Add</i>	3.68	
22 11 16 00-0033 LF 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	33.49	9.86
<i>For Schedule 80 Pipe, Add</i>	10.44	
<i>For ASTM 120, Deduct</i>	-2.80	
<i>For Work In Restricted Working Space, Add</i>	4.45	
22 11 16 00-0034 LF 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	48.83	11.70
<i>For Schedule 80 Pipe, Add</i>	16.74	
<i>For ASTM 120, Deduct</i>	-4.68	
<i>For Work In Restricted Working Space, Add</i>	5.29	
22 11 16 00-0035 LF 3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	61.66	15.65
<i>For Schedule 80 Pipe, Add</i>	20.67	
<i>For ASTM 120, Deduct</i>	-5.72	
<i>For Work In Restricted Working Space, Add</i>	7.05	
22 11 16 00-0036 LF 4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	79.53	16.61
<i>For Schedule 80 Pipe, Add</i>	28.68	
<i>For ASTM 120, Deduct</i>	-8.18	
<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0037 LF 5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	103.00	21.23
<i>For Schedule 80 Pipe, Add</i>	37.36	
<i>For ASTM 120, Deduct</i>	-10.68	
<i>For Work In Restricted Working Space, Add</i>	9.54	
22 11 16 00-0038 LF 6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	128.70	25.11
<i>For Schedule 80 Pipe, Add</i>	47.48	
<i>For ASTM 120, Deduct</i>	-13.66	
<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows <small>(22 11 16 00-0013)</small>		
22 11 16 00-0040 EA 1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	44.81	25.10
<i>For 300 LB Rating, Add</i>	26.77	
<i>For ASTM 120, Deduct</i>	-1.08	
<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0041 EA 3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	50.93	28.06
<i>For 300 LB Rating, Add</i>	32.61	
<i>For ASTM 120, Deduct</i>	-1.33	
<i>For Work In Restricted Working Space, Add</i>	12.62	
22 11 16 00-0042 EA 1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	63.39	31.29
<i>For 300 LB Rating, Add</i>	58.58	
<i>For ASTM 120, Deduct</i>	-2.46	
<i>For Work In Restricted Working Space, Add</i>	14.10	
22 11 16 00-0043 EA 1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	79.13	35.53
<i>For 300 LB Rating, Add</i>	91.32	
<i>For ASTM 120, Deduct</i>	-3.89	
<i>For Work In Restricted Working Space, Add</i>	15.96	
22 11 16 00-0044 EA 1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	93.82	40.04
<i>For 300 LB Rating, Add</i>	118.62	
<i>For ASTM 120, Deduct</i>	-5.07	
<i>For Work In Restricted Working Space, Add</i>	18.00	
22 11 16 00-0045 EA 2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	131.61	50.89
<i>For 300 LB Rating, Add</i>	192.97	
<i>For ASTM 120, Deduct</i>	-8.31	
<i>For Work In Restricted Working Space, Add</i>	22.86	
22 11 16 00-0046 EA 2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	257.77	75.29
<i>For 300 LB Rating, Add</i>	499.70	
<i>For ASTM 120, Deduct</i>	-21.75	
<i>For Work In Restricted Working Space, Add</i>	33.84	
22 11 16 00-0047 EA 3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	387.43	98.97
<i>For 300 LB Rating, Add</i>	821.61	
<i>For ASTM 120, Deduct</i>	-35.85	
<i>For Work In Restricted Working Space, Add</i>	44.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0048	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	567.31	97.18
			<i>For 300 LB Rating, Add</i>	1,442.12	
			<i>For ASTM 120, Deduct</i>	-63.24	
			<i>For Work In Restricted Working Space, Add</i>	43.72	
22 11 16 00-0049	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,972.69	101.43
			<i>For 300 LB Rating, Add</i>	6,199.23	
			<i>For ASTM 120, Deduct</i>	-273.09	
			<i>For Work In Restricted Working Space, Add</i>	45.62	
22 11 16 00-0050	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,837.39	106.05
			<i>For 300 LB Rating, Add</i>	5,716.13	
			<i>For ASTM 120, Deduct</i>	-251.76	
			<i>For Work In Restricted Working Space, Add</i>	47.69	
22 11 16 00-0051	EA		8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	2,191.03	110.82
			<i>For 300 LB Rating, Add</i>	6,894.59	
			<i>For ASTM 120, Deduct</i>	-303.73	
			<i>For Work In Restricted Working Space, Add</i>	49.84	
22 11 16 00-0052			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0053	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	55.24	26.51
			<i>For ASTM 120, Deduct</i>	-2.31	
			<i>For Work In Restricted Working Space, Add</i>	11.95	
22 11 16 00-0054	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	64.29	29.74
			<i>For ASTM 120, Deduct</i>	-2.96	
			<i>For Work In Restricted Working Space, Add</i>	13.36	
22 11 16 00-0055	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	63.25	28.20
			<i>For ASTM 120, Deduct</i>	-3.14	
			<i>For Work In Restricted Working Space, Add</i>	12.69	
22 11 16 00-0056	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	83.23	33.42
			<i>For ASTM 120, Deduct</i>	-4.97	
			<i>For Work In Restricted Working Space, Add</i>	15.03	
22 11 16 00-0057	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	87.44	31.72
			<i>For ASTM 120, Deduct</i>	-5.97	
			<i>For Work In Restricted Working Space, Add</i>	14.29	
22 11 16 00-0058	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	87.57	30.31
			<i>For ASTM 120, Deduct</i>	-6.33	
			<i>For Work In Restricted Working Space, Add</i>	13.62	
22 11 16 00-0059	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	109.55	37.78
			<i>For ASTM 120, Deduct</i>	-7.94	
			<i>For Work In Restricted Working Space, Add</i>	16.98	
22 11 16 00-0060	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	106.45	35.67
			<i>For ASTM 120, Deduct</i>	-7.94	
			<i>For Work In Restricted Working Space, Add</i>	16.05	
22 11 16 00-0061	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	103.99	33.98
			<i>For ASTM 120, Deduct</i>	-7.94	
			<i>For Work In Restricted Working Space, Add</i>	15.31	
22 11 16 00-0062	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	129.97	45.39
			<i>For ASTM 120, Deduct</i>	-9.28	
			<i>For Work In Restricted Working Space, Add</i>	20.43	
22 11 16 00-0063	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	135.62	43.14
			<i>For ASTM 120, Deduct</i>	-10.64	
			<i>For Work In Restricted Working Space, Add</i>	19.41	
22 11 16 00-0064	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	135.18	41.03
			<i>For ASTM 120, Deduct</i>	-11.04	
			<i>For Work In Restricted Working Space, Add</i>	18.48	
22 11 16 00-0065	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	114.97	39.48
			<i>For ASTM 120, Deduct</i>	-8.37	
			<i>For Work In Restricted Working Space, Add</i>	17.74	
22 11 16 00-0066	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	304.20	63.02
			<i>For ASTM 120, Deduct</i>	-31.46	
			<i>For Work In Restricted Working Space, Add</i>	28.35	
22 11 16 00-0067	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	320.02	57.66
			<i>For ASTM 120, Deduct</i>	-35.04	
			<i>For Work In Restricted Working Space, Add</i>	25.92	
22 11 16 00-0068	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	511.72	87.12
			<i>For ASTM 120, Deduct</i>	-57.17	
			<i>For Work In Restricted Working Space, Add</i>	39.18	
22 11 16 00-0069	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	443.33	74.87
			<i>For ASTM 120, Deduct</i>	-49.65	
			<i>For Work In Restricted Working Space, Add</i>	33.69	
22 11 16 00-0070	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	1,001.07	92.43
			<i>For ASTM 120, Deduct</i>	-129.37	
			<i>For Work In Restricted Working Space, Add</i>	41.58	
22 11 16 00-0071			Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0072	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	45.70	25.10
			<i>For 300 LB Rating, Add</i>	29.80	
			<i>For ASTM 120, Deduct</i>	-1.22	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0073	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	53.73	28.06
			<i>For 300 LB Rating, Add</i>	42.13	
			<i>For ASTM 120, Deduct</i>	-1.75	
			<i>For Work In Restricted Working Space, Add</i>	12.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0074 EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	60.14	31.29
For 300 LB Rating, Add	47.53	
For ASTM 120, Deduct	-1.97	
For Work In Restricted Working Space, Add	14.10	
22 11 16 00-0075 EA 1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	77.78	35.53
For 300 LB Rating, Add	86.73	
For ASTM 120, Deduct	-3.69	
For Work In Restricted Working Space, Add	15.96	
22 11 16 00-0076 EA 1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	88.85	40.04
For 300 LB Rating, Add	101.72	
For ASTM 120, Deduct	-4.33	
For Work In Restricted Working Space, Add	18.00	
22 11 16 00-0077 EA 2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	118.90	50.89
For 300 LB Rating, Add	149.75	
For ASTM 120, Deduct	-6.41	
For Work In Restricted Working Space, Add	22.86	
22 11 16 00-0078 EA 2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	261.36	75.29
For 300 LB Rating, Add	511.91	
For ASTM 120, Deduct	-22.29	
For Work In Restricted Working Space, Add	33.84	
22 11 16 00-0079 EA 3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	364.48	98.97
For 300 LB Rating, Add	743.58	
For ASTM 120, Deduct	-32.41	
For Work In Restricted Working Space, Add	44.52	
22 11 16 00-0080 EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	507.98	97.18
For 300 LB Rating, Add	1,240.39	
For ASTM 120, Deduct	-54.34	
For Work In Restricted Working Space, Add	43.72	
22 11 16 00-0081 EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,615.85	101.43
For 300 LB Rating, Add	4,985.98	
For ASTM 120, Deduct	-219.57	
For Work In Restricted Working Space, Add	45.62	
22 11 16 00-0082 EA 6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,923.95	106.05
For 300 LB Rating, Add	6,010.44	
For ASTM 120, Deduct	-264.75	
For Work In Restricted Working Space, Add	47.69	
22 11 16 00-0083 EA 8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	2,292.42	110.82
For 300 LB Rating, Add	7,239.32	
For ASTM 120, Deduct	-318.94	
For Work In Restricted Working Space, Add	49.84	
22 11 16 00-0084 Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0085 EA 1/2", 150 LB, Galvanized Malleable Iron Tee	55.90	31.29
For 300 LB Rating, Add	33.11	
For ASTM 120, Deduct	-1.34	
For Work In Restricted Working Space, Add	14.10	
22 11 16 00-0086 EA 3/4", 150 LB, Galvanized Malleable Iron Tee	68.92	36.23
For 300 LB Rating, Add	53.23	
For ASTM 120, Deduct	-2.21	
For Work In Restricted Working Space, Add	16.27	
22 11 16 00-0087 EA 1", 150 LB, Galvanized Malleable Iron Tee	87.85	42.72
For 300 LB Rating, Add	84.63	
For ASTM 120, Deduct	-3.56	
For Work In Restricted Working Space, Add	19.23	
22 11 16 00-0088 EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee	113.91	50.89
For 300 LB Rating, Add	132.79	
For ASTM 120, Deduct	-5.66	
For Work In Restricted Working Space, Add	22.86	
22 11 16 00-0089 EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee	137.82	60.63
For 300 LB Rating, Add	164.82	
For ASTM 120, Deduct	-7.03	
For Work In Restricted Working Space, Add	27.29	
22 11 16 00-0090 EA 2", 150 LB, Galvanized Malleable Iron Tee	188.98	75.29
For 300 LB Rating, Add	265.81	
For ASTM 120, Deduct	-11.43	
For Work In Restricted Working Space, Add	33.84	
22 11 16 00-0091 EA 2-1/2", 150 LB, Galvanized Malleable Iron Tee	337.09	81.77
For 300 LB Rating, Add	736.66	
For ASTM 120, Deduct	-32.18	
For Work In Restricted Working Space, Add	36.78	
22 11 16 00-0092 EA 3", 150 LB, Galvanized Malleable Iron Tee	399.94	98.97
For 300 LB Rating, Add	864.14	
For ASTM 120, Deduct	-37.73	
For Work In Restricted Working Space, Add	44.52	
22 11 16 00-0093 EA 4", 150 LB, Galvanized Malleable Iron Tee	779.15	122.79
For 300 LB Rating, Add	2,034.28	
For ASTM 120, Deduct	-89.26	
For Work In Restricted Working Space, Add	55.22	
22 11 16 00-0094 EA 5", 150 LB, Galvanized Malleable Iron Tee	2,089.13	145.77
For 300 LB Rating, Add	6,372.92	
For ASTM 120, Deduct	-280.58	
For Work In Restricted Working Space, Add	65.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0095 EA 6", 150 LB, Galvanized Malleable Iron Tee.....	2,371.45	166.63
For 300 LB Rating, Add	7,228.50	
For ASTM 120, Deduct	-318.24	
For Work In Restricted Working Space, Add	74.95	
22 11 16 00-0096 EA 8", 150 LB, Galvanized Malleable Iron Tee.....	2,820.67	197.86
For 300 LB Rating, Add	8,588.95	
For ASTM 120, Deduct	-378.13	
For Work In Restricted Working Space, Add	89.94	
22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0098 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	67.70	31.29
For 300 LB Rating, Add	73.23	
For ASTM 120, Deduct	-3.11	
For Work In Restricted Working Space, Add	14.10	
22 11 16 00-0099 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	74.65	36.23
For 300 LB Rating, Add	72.72	
For ASTM 120, Deduct	-3.06	
For Work In Restricted Working Space, Add	16.27	
22 11 16 00-0100 EA 1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	92.80	42.72
For 300 LB Rating, Add	101.46	
For ASTM 120, Deduct	-4.31	
For Work In Restricted Working Space, Add	19.23	
22 11 16 00-0101 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	120.71	50.89
For 300 LB Rating, Add	155.91	
For ASTM 120, Deduct	-6.68	
For Work In Restricted Working Space, Add	22.86	
22 11 16 00-0102 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	145.93	60.63
For 300 LB Rating, Add	192.39	
For ASTM 120, Deduct	-8.25	
For Work In Restricted Working Space, Add	27.29	
22 11 16 00-0103 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	193.06	75.29
For 300 LB Rating, Add	279.69	
For ASTM 120, Deduct	-12.04	
For Work In Restricted Working Space, Add	33.84	
22 11 16 00-0104 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	406.49	82.05
For 300 LB Rating, Add	971.31	
For ASTM 120, Deduct	-42.53	
For Work In Restricted Working Space, Add	36.89	
22 11 16 00-0105 EA 3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	518.44	100.52
For 300 LB Rating, Add	1,259.19	
For ASTM 120, Deduct	-55.15	
For Work In Restricted Working Space, Add	45.23	
22 11 16 00-0106 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	1,249.95	122.79
For 300 LB Rating, Add	3,635.00	
For ASTM 120, Deduct	-159.88	
For Work In Restricted Working Space, Add	55.22	
22 11 16 00-0107 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	2,808.55	145.77
For 300 LB Rating, Add	8,818.95	
For ASTM 120, Deduct	-388.49	
For Work In Restricted Working Space, Add	65.58	
22 11 16 00-0108 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	3,053.95	166.63
For 300 LB Rating, Add	9,549.00	
For ASTM 120, Deduct	-420.62	
For Work In Restricted Working Space, Add	74.95	
22 11 16 00-0109 EA 8", 150 LB, Galvanized Malleable Iron Reducing Tee.....	3,668.36	191.35
For 300 LB Rating, Add	11,512.81	
For ASTM 120, Deduct	-507.16	
For Work In Restricted Working Space, Add	86.19	
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0111 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling.....	43.89	25.10
For 300 LB Rating, Add	23.64	
For ASTM 120, Deduct	-0.94	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0112 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling.....	49.33	28.06
For 300 LB Rating, Add	27.17	
For ASTM 120, Deduct	-1.09	
For Work In Restricted Working Space, Add	12.62	
22 11 16 00-0113 EA 1", 150 LB, Galvanized Malleable Iron Coupling.....	58.87	31.29
For 300 LB Rating, Add	43.21	
For ASTM 120, Deduct	-1.78	
For Work In Restricted Working Space, Add	14.10	
22 11 16 00-0114 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	69.96	35.53
For 300 LB Rating, Add	60.14	
For ASTM 120, Deduct	-2.51	
For Work In Restricted Working Space, Add	15.96	
22 11 16 00-0115 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	79.03	40.04
For 300 LB Rating, Add	68.34	
For ASTM 120, Deduct	-2.86	
For Work In Restricted Working Space, Add	18.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0116 EA 2", 150 LB, Galvanized Malleable Iron Coupling.....	104.04	50.89
<i>For 300 LB Rating, Add</i>	99.23	
<i>For ASTM 120, Deduct</i>	-4.18	
<i>For Work In Restricted Working Space, Add</i>	22.86	
22 11 16 00-0117 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling	198.01	75.29
<i>For 300 LB Rating, Add</i>	296.52	
<i>For ASTM 120, Deduct</i>	-12.78	
<i>For Work In Restricted Working Space, Add</i>	33.84	
22 11 16 00-0118 EA 3", 150 LB, Galvanized Malleable Iron Coupling.....	262.30	98.97
<i>For 300 LB Rating, Add</i>	396.16	
<i>For ASTM 120, Deduct</i>	-17.09	
<i>For Work In Restricted Working Space, Add</i>	44.52	
22 11 16 00-0119 EA 4", 150 LB, Galvanized Malleable Iron Coupling.....	387.63	97.18
<i>For 300 LB Rating, Add</i>	831.20	
<i>For ASTM 120, Deduct</i>	-36.29	
<i>For Work In Restricted Working Space, Add</i>	43.72	
22 11 16 00-0120 EA 5", 150 LB, Galvanized Malleable Iron Coupling.....	833.21	101.43
<i>For 300 LB Rating, Add</i>	2,325.00	
<i>For ASTM 120, Deduct</i>	-102.17	
<i>For Work In Restricted Working Space, Add</i>	45.62	
22 11 16 00-0121 EA 6", 150 LB, Galvanized Malleable Iron Coupling.....	934.98	106.05
<i>For 300 LB Rating, Add</i>	2,647.94	
<i>For ASTM 120, Deduct</i>	-116.40	
<i>For Work In Restricted Working Space, Add</i>	47.69	
22 11 16 00-0122 EA 8", 150 LB, Galvanized Malleable Iron Coupling.....	1,101.38	110.82
<i>For 300 LB Rating, Add</i>	3,189.78	
<i>For ASTM 120, Deduct</i>	-140.29	
<i>For Work In Restricted Working Space, Add</i>	49.84	
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings <small>(22 11 16 00-0013)</small>		
22 11 16 00-0124 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	45.23	25.10
<i>For 300 LB Rating, Add</i>	28.20	
<i>For ASTM 120, Deduct</i>	-1.14	
<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0125 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	50.24	28.06
<i>For 300 LB Rating, Add</i>	30.27	
<i>For ASTM 120, Deduct</i>	-1.22	
<i>For Work In Restricted Working Space, Add</i>	12.62	
22 11 16 00-0126 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	60.59	31.29
<i>For 300 LB Rating, Add</i>	49.06	
<i>For ASTM 120, Deduct</i>	-2.04	
<i>For Work In Restricted Working Space, Add</i>	14.10	
22 11 16 00-0127 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	70.79	35.53
<i>For 300 LB Rating, Add</i>	62.96	
<i>For ASTM 120, Deduct</i>	-2.64	
<i>For Work In Restricted Working Space, Add</i>	15.96	
22 11 16 00-0128 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	82.66	40.04
<i>For 300 LB Rating, Add</i>	80.68	
<i>For ASTM 120, Deduct</i>	-3.40	
<i>For Work In Restricted Working Space, Add</i>	18.00	
22 11 16 00-0129 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	107.13	50.89
<i>For 300 LB Rating, Add</i>	109.73	
<i>For ASTM 120, Deduct</i>	-4.64	
<i>For Work In Restricted Working Space, Add</i>	22.86	
22 11 16 00-0130 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	199.09	75.29
<i>For 300 LB Rating, Add</i>	300.19	
<i>For ASTM 120, Deduct</i>	-12.95	
<i>For Work In Restricted Working Space, Add</i>	33.84	
22 11 16 00-0131 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	259.07	98.97
<i>For 300 LB Rating, Add</i>	385.18	
<i>For ASTM 120, Deduct</i>	-16.60	
<i>For Work In Restricted Working Space, Add</i>	44.52	
22 11 16 00-0132 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	393.86	97.18
<i>For 300 LB Rating, Add</i>	852.39	
<i>For ASTM 120, Deduct</i>	-37.22	
<i>For Work In Restricted Working Space, Add</i>	43.72	
22 11 16 00-0133 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	869.06	101.43
<i>For 300 LB Rating, Add</i>	2,446.89	
<i>For ASTM 120, Deduct</i>	-107.55	
<i>For Work In Restricted Working Space, Add</i>	45.62	
22 11 16 00-0134 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	975.82	106.05
<i>For 300 LB Rating, Add</i>	2,786.79	
<i>For ASTM 120, Deduct</i>	-122.53	
<i>For Work In Restricted Working Space, Add</i>	47.69	
22 11 16 00-0135 EA 8", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	1,150.97	110.82
<i>For 300 LB Rating, Add</i>	3,358.39	
<i>For ASTM 120, Deduct</i>	-147.72	
<i>For Work In Restricted Working Space, Add</i>	49.84	

22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0137 EA 1/2", 150 LB, Galvanized Malleable Iron Cap	19.79	11.70
For 300 LB Rating, Add	8.44	
For ASTM 120, Deduct	-0.33	
For Work In Restricted Working Space, Add	5.29	
22 11 16 00-0138 EA 3/4", 150 LB, Galvanized Malleable Iron Cap	21.79	12.55
For 300 LB Rating, Add	11.33	
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	5.64	
22 11 16 00-0139 EA 1", 150 LB, Galvanized Malleable Iron Cap	25.41	14.52
For 300 LB Rating, Add	13.95	
For ASTM 120, Deduct	-0.56	
For Work In Restricted Working Space, Add	6.51	
22 11 16 00-0140 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap	27.63	15.22
For 300 LB Rating, Add	17.99	
For ASTM 120, Deduct	-0.73	
For Work In Restricted Working Space, Add	6.82	
22 11 16 00-0141 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap	27.32	15.22
For 300 LB Rating, Add	16.94	
For ASTM 120, Deduct	-0.69	
For Work In Restricted Working Space, Add	6.82	
22 11 16 00-0142 EA 2", 150 LB, Galvanized Malleable Iron Cap	40.13	20.16
For 300 LB Rating, Add	35.17	
For ASTM 120, Deduct	-1.47	
For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0143 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap	59.61	25.10
For 300 LB Rating, Add	77.09	
For ASTM 120, Deduct	-3.30	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0144 EA 3", 150 LB, Galvanized Malleable Iron Cap	76.82	30.31
For 300 LB Rating, Add	109.28	
For ASTM 120, Deduct	-4.70	
For Work In Restricted Working Space, Add	13.64	
22 11 16 00-0145 EA 4", 150 LB, Galvanized Malleable Iron Cap	108.56	33.35
For 300 LB Rating, Add	202.20	
For ASTM 120, Deduct	-8.79	
For Work In Restricted Working Space, Add	14.99	
22 11 16 00-0146 EA 5", 150 LB, Galvanized Malleable Iron Cap	256.96	41.72
For 300 LB Rating, Add	665.05	
For ASTM 120, Deduct	-29.18	
For Work In Restricted Working Space, Add	18.74	
22 11 16 00-0147 EA 6", 150 LB, Galvanized Malleable Iron Cap	319.56	49.59
For 300 LB Rating, Add	837.94	
For ASTM 120, Deduct	-36.77	
For Work In Restricted Working Space, Add	22.33	
22 11 16 00-0148 EA 8", 150 LB, Galvanized Malleable Iron Cap	400.76	55.41
For 300 LB Rating, Add	1,085.13	
For ASTM 120, Deduct	-47.65	
For Work In Restricted Working Space, Add	24.92	
22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)		
22 11 16 00-0150 EA 1/2", 150 LB, Galvanized Malleable Iron Union	77.68	31.29
For Work In Restricted Working Space, Add	14.10	
22 11 16 00-0151 EA 3/4", 150 LB, Galvanized Malleable Iron Union	89.49	36.23
For Work In Restricted Working Space, Add	16.27	
22 11 16 00-0152 EA 1", 150 LB, Galvanized Malleable Iron Union	110.27	42.72
For Work In Restricted Working Space, Add	19.23	
22 11 16 00-0153 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union	142.96	50.89
For Work In Restricted Working Space, Add	22.86	
22 11 16 00-0154 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union	171.84	60.63
For Work In Restricted Working Space, Add	27.29	
22 11 16 00-0155 EA 2", 150 LB, Galvanized Malleable Iron Union	205.78	75.29
For Work In Restricted Working Space, Add	33.84	
22 11 16 00-0156 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union	489.52	110.96
For Work In Restricted Working Space, Add	49.95	
22 11 16 00-0157 EA 3", 150 LB, Galvanized Malleable Iron Union	671.17	145.92
For Work In Restricted Working Space, Add	65.72	
22 11 16 00-0158 EA 1/2", 250 LB, Galvanized Malleable Iron Union	109.39	31.29
For Work In Restricted Working Space, Add	14.10	
22 11 16 00-0159 EA 3/4", 250 LB, Galvanized Malleable Iron Union	110.92	36.23
For Work In Restricted Working Space, Add	16.27	
22 11 16 00-0160 EA 1", 250 LB, Galvanized Malleable Iron Union	134.37	42.72
For Work In Restricted Working Space, Add	19.22	
22 11 16 00-0161 EA 1-1/4", 250 LB, Galvanized Malleable Iron Union	182.65	50.89
For Work In Restricted Working Space, Add	22.86	
22 11 16 00-0162 EA 1-1/2", 250 LB, Galvanized Malleable Iron Union	213.51	60.63
For Work In Restricted Working Space, Add	27.29	
22 11 16 00-0163 EA 2", 250 LB, Galvanized Malleable Iron Union	285.86	75.29
For Work In Restricted Working Space, Add	33.84	
22 11 16 00-0164 EA 2-1/2", 250 LB, Galvanized Malleable Iron Union	621.77	110.96
For Work In Restricted Working Space, Add	49.95	
22 11 16 00-0165 EA 3", 250 LB, Galvanized Malleable Iron Union	917.59	145.92
For Work In Restricted Working Space, Add	65.72	
22 11 16 00-0166 EA 4", 250 LB, Galvanized Malleable Iron Union	1,310.86	143.41
For Work In Restricted Working Space, Add	64.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0167	EA		1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	118.09 14.10	31.29
22 11 16 00-0168	EA		3/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	131.32 16.27	36.23
22 11 16 00-0169	EA		1", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	166.36 19.22	42.72
22 11 16 00-0170	EA		1-1/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	218.82 22.86	50.89
22 11 16 00-0171	EA		1-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	262.69 27.29	60.63
22 11 16 00-0172	EA		2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	318.91 33.84	75.29
22 11 16 00-0173	EA		2-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	741.46 49.95	110.96
22 11 16 00-0174	EA		3", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	1,191.48 65.72	145.92
22 11 16 00-0175	EA		4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	2,653.95 64.54	143.41
22 11 16 00-0176	Galvanized Steel Nipples (22 11 16 00-0013) Note: ASTM A-53.				
22 11 16 00-0177	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.70 2.92 -0.38 6.04	13.39
22 11 16 00-0178	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.21 2.36 -0.31 6.04	13.39
22 11 16 00-0179	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.65 2.86 -0.38 6.04	13.39
22 11 16 00-0180	EA		1" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.14 3.93 -0.52 6.51	14.52
22 11 16 00-0181	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.12 5.27 -0.69 7.05	15.65
22 11 16 00-0182	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.93 6.19 -0.81 7.05	15.65
22 11 16 00-0183	EA		2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.97 8.72 -1.15 9.10	20.16
22 11 16 00-0184	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.37 25.96 -3.42 11.28	25.10
22 11 16 00-0185	EA		3" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	72.76 31.10 -4.09 13.64	30.31
22 11 16 00-0186	EA		4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	90.86 46.61 -6.13 14.99	33.35
22 11 16 00-0187	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.08 3.35 -0.44 6.04	13.39
22 11 16 00-0188	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.32 2.49 -0.33 6.04	13.39
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.87 3.11 -0.41 6.04	13.39
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.08 3.35 -0.44 6.04	13.39
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.32 2.49 -0.33 6.04	13.39
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.87 3.11 -0.41 6.04	13.39

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0193 EA 1" x 2" Long, Schedule 40 Galvanized Steel Nipple	25.76	14.52
For Schedule 80 Nipples, Add	4.64	
For ASTM 120, Deduct	-0.61	
For Work In Restricted Working Space, Add	6.51	
22 11 16 00-0194 EA 1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	28.46	15.65
For Schedule 80 Nipples, Add	5.65	
For ASTM 120, Deduct	-0.74	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0195 EA 1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	29.33	15.65
For Schedule 80 Nipples, Add	6.65	
For ASTM 120, Deduct	-0.87	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0196 EA 3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.05	13.39
For Schedule 80 Nipples, Add	4.46	
For ASTM 120, Deduct	-0.59	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0197 EA 1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.70	13.39
For Schedule 80 Nipples, Add	2.92	
For ASTM 120, Deduct	-0.38	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0198 EA 3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.16	13.39
For Schedule 80 Nipples, Add	3.44	
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0199 EA 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.09	14.52
For Schedule 80 Nipples, Add	5.02	
For ASTM 120, Deduct	-0.66	
For Work In Restricted Working Space, Add	6.51	
22 11 16 00-0200 EA 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.95	15.65
For Schedule 80 Nipples, Add	6.21	
For ASTM 120, Deduct	-0.82	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0201 EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	29.99	15.65
For Schedule 80 Nipples, Add	7.40	
For ASTM 120, Deduct	-0.97	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0202 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	38.92	20.16
For Schedule 80 Nipples, Add	9.80	
For ASTM 120, Deduct	-1.29	
For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0203 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	24.05	13.39
For Schedule 80 Nipples, Add	4.46	
For ASTM 120, Deduct	-0.59	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0204 EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	22.70	13.39
For Schedule 80 Nipples, Add	2.92	
For ASTM 120, Deduct	-0.38	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0205 EA 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	23.16	13.39
For Schedule 80 Nipples, Add	3.44	
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0206 EA 1" x 3" Long, Schedule 40 Galvanized Steel Nipple	26.09	14.52
For Schedule 80 Nipples, Add	5.02	
For ASTM 120, Deduct	-0.66	
For Work In Restricted Working Space, Add	6.51	
22 11 16 00-0207 EA 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	28.95	15.65
For Schedule 80 Nipples, Add	6.21	
For ASTM 120, Deduct	-0.82	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0208 EA 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	29.99	15.65
For Schedule 80 Nipples, Add	7.40	
For ASTM 120, Deduct	-0.97	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0209 EA 2" x 3" Long, Schedule 40 Galvanized Steel Nipple	38.92	20.16
For Schedule 80 Nipples, Add	9.80	
For ASTM 120, Deduct	-1.29	
For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0210 EA 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	61.24	25.10
For Schedule 80 Nipples, Add	26.95	
For ASTM 120, Deduct	-3.55	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0211 EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple	76.52	30.31
For Schedule 80 Nipples, Add	35.39	
For ASTM 120, Deduct	-4.66	
For Work In Restricted Working Space, Add	13.64	
22 11 16 00-0212 EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.79	13.39
For Schedule 80 Nipples, Add	5.30	
For ASTM 120, Deduct	-0.70	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0213 EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.30	13.39
For Schedule 80 Nipples, Add	3.60	
For ASTM 120, Deduct	-0.47	
For Work In Restricted Working Space, Add	6.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.05 4.46 -0.59 6.04	13.39
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.98 6.03 -0.79 6.51	14.52
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.99 7.40 -0.97 7.05	15.65
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.70 9.35 -1.23 7.05	15.65
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.77 11.91 -1.57 9.10	20.16
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	65.04 31.28 -4.12 11.28	25.10
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.90 41.52 -5.46 13.64	30.31
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.79 5.30 -0.70 6.04	13.39
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.30 3.60 -0.47 6.04	13.39
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.79 5.30 -0.70 6.04	13.39
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.98 6.03 -0.79 6.51	14.52
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.99 7.40 -0.97 7.05	15.65
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.70 9.35 -1.23 7.05	15.65
22 11 16 00-0227	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.86 12.02 -1.58 9.10	20.16
22 11 16 00-0228	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	65.04 31.28 -4.12 11.28	25.10
22 11 16 00-0229	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.90 41.52 -5.46 13.64	30.31
22 11 16 00-0230	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	98.86 55.73 -7.33 14.99	33.35
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.54 7.30 -0.96 6.04	13.39
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.94 4.33 -0.57 6.04	13.39
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.81 5.32 -0.70 6.04	13.39
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.18 7.40 -0.97 6.51	14.52

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0235 EA 1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	31.53	15.65
For Schedule 80 Nipples, Add	9.15	
For ASTM 120, Deduct	-1.20	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0236 EA 1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.42	15.65
For Schedule 80 Nipples, Add	11.31	
For ASTM 120, Deduct	-1.49	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0237 EA 2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	43.66	20.16
For Schedule 80 Nipples, Add	15.21	
For ASTM 120, Deduct	-2.00	
For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0238 EA 2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	68.20	25.10
For Schedule 80 Nipples, Add	34.88	
For ASTM 120, Deduct	-4.59	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0239 EA 3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	87.93	30.31
For Schedule 80 Nipples, Add	48.39	
For ASTM 120, Deduct	-6.37	
For Work In Restricted Working Space, Add	13.64	
22 11 16 00-0240 EA 4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	104.80	33.35
For Schedule 80 Nipples, Add	62.51	
For ASTM 120, Deduct	-8.22	
For Work In Restricted Working Space, Add	14.99	
22 11 16 00-0241 EA 3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	26.54	13.39
For Schedule 80 Nipples, Add	7.30	
For ASTM 120, Deduct	-0.96	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0242 EA 1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	23.94	13.39
For Schedule 80 Nipples, Add	4.33	
For ASTM 120, Deduct	-0.57	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0243 EA 3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.81	13.39
For Schedule 80 Nipples, Add	5.32	
For ASTM 120, Deduct	-0.70	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0244 EA 1" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.18	14.52
For Schedule 80 Nipples, Add	7.40	
For ASTM 120, Deduct	-0.97	
For Work In Restricted Working Space, Add	6.51	
22 11 16 00-0245 EA 1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	31.53	15.65
For Schedule 80 Nipples, Add	9.15	
For ASTM 120, Deduct	-1.20	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0246 EA 1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	33.42	15.65
For Schedule 80 Nipples, Add	11.31	
For ASTM 120, Deduct	-1.49	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0247 EA 2" x 5" Long, Schedule 40 Galvanized Steel Nipple	43.66	20.16
For Schedule 80 Nipples, Add	15.21	
For ASTM 120, Deduct	-2.00	
For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0248 EA 2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	68.20	25.10
For Schedule 80 Nipples, Add	34.88	
For ASTM 120, Deduct	-4.59	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0249 EA 3" x 5" Long, Schedule 40 Galvanized Steel Nipple	87.93	30.31
For Schedule 80 Nipples, Add	48.39	
For ASTM 120, Deduct	-6.37	
For Work In Restricted Working Space, Add	13.64	
22 11 16 00-0250 EA 4" x 5" Long, Schedule 40 Galvanized Steel Nipple	104.80	33.35
For Schedule 80 Nipples, Add	62.51	
For ASTM 120, Deduct	-8.22	
For Work In Restricted Working Space, Add	14.99	
22 11 16 00-0251 EA 3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	27.26	13.39
For Schedule 80 Nipples, Add	8.12	
For ASTM 120, Deduct	-1.07	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0252 EA 1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	24.45	13.39
For Schedule 80 Nipples, Add	4.91	
For ASTM 120, Deduct	-0.65	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0253 EA 3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	25.74	13.39
For Schedule 80 Nipples, Add	6.38	
For ASTM 120, Deduct	-0.84	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0254 EA 1" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.05	14.52
For Schedule 80 Nipples, Add	8.39	
For ASTM 120, Deduct	-1.10	
For Work In Restricted Working Space, Add	6.51	
22 11 16 00-0255 EA 1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	32.82	15.65
For Schedule 80 Nipples, Add	10.62	
For ASTM 120, Deduct	-1.40	
For Work In Restricted Working Space, Add	7.05	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0256 EA 1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	34.66	15.65
<i>For Schedule 80 Nipples, Add</i>	12.72	
<i>For ASTM 120, Deduct</i>	-1.67	
<i>For Work In Restricted Working Space, Add</i>	7.05	
22 11 16 00-0257 EA 2" x 6" Long, Schedule 40 Galvanized Steel Nipple	45.82	20.16
<i>For Schedule 80 Nipples, Add</i>	17.67	
<i>For ASTM 120, Deduct</i>	-2.33	
<i>For Work In Restricted Working Space, Add</i>	9.10	
22 11 16 00-0258 EA 2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	71.22	25.10
<i>For Schedule 80 Nipples, Add</i>	38.33	
<i>For ASTM 120, Deduct</i>	-5.04	
<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0259 EA 3" x 6" Long, Schedule 40 Galvanized Steel Nipple	90.37	30.31
<i>For Schedule 80 Nipples, Add</i>	51.17	
<i>For ASTM 120, Deduct</i>	-6.73	
<i>For Work In Restricted Working Space, Add</i>	13.64	
22 11 16 00-0260 EA 4" x 6" Long, Schedule 40 Galvanized Steel Nipple	110.58	33.35
<i>For Schedule 80 Nipples, Add</i>	69.10	
<i>For ASTM 120, Deduct</i>	-9.09	
<i>For Work In Restricted Working Space, Add</i>	14.99	
22 11 16 00-0261 EA 3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	48.58	13.39
<i>For Schedule 80 Nipples, Add</i>	32.42	
<i>For ASTM 120, Deduct</i>	-4.27	
<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-0262 EA 1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	27.74	13.39
<i>For Schedule 80 Nipples, Add</i>	8.66	
<i>For ASTM 120, Deduct</i>	-1.14	
<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-0263 EA 3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	29.86	13.39
<i>For Schedule 80 Nipples, Add</i>	11.08	
<i>For ASTM 120, Deduct</i>	-1.46	
<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-0264 EA 1" x 8" Long, Schedule 40 Galvanized Steel Nipple	34.01	14.52
<i>For Schedule 80 Nipples, Add</i>	14.04	
<i>For ASTM 120, Deduct</i>	-1.85	
<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-0265 EA 1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	38.60	15.65
<i>For Schedule 80 Nipples, Add</i>	17.21	
<i>For ASTM 120, Deduct</i>	-2.27	
<i>For Work In Restricted Working Space, Add</i>	7.05	
22 11 16 00-0266 EA 1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	40.82	15.65
<i>For Schedule 80 Nipples, Add</i>	19.74	
<i>For ASTM 120, Deduct</i>	-2.60	
<i>For Work In Restricted Working Space, Add</i>	7.05	
22 11 16 00-0267 EA 2" x 8" Long, Schedule 40 Galvanized Steel Nipple	55.58	20.16
<i>For Schedule 80 Nipples, Add</i>	28.80	
<i>For ASTM 120, Deduct</i>	-3.79	
<i>For Work In Restricted Working Space, Add</i>	9.10	
22 11 16 00-0268 EA 2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	80.87	25.10
<i>For Schedule 80 Nipples, Add</i>	49.33	
<i>For ASTM 120, Deduct</i>	-6.49	
<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0269 EA 3" x 8" Long, Schedule 40 Galvanized Steel Nipple	105.96	30.31
<i>For Schedule 80 Nipples, Add</i>	68.95	
<i>For ASTM 120, Deduct</i>	-9.07	
<i>For Work In Restricted Working Space, Add</i>	13.64	
22 11 16 00-0270 EA 4" x 8" Long, Schedule 40 Galvanized Steel Nipple	122.30	33.35
<i>For Schedule 80 Nipples, Add</i>	82.46	
<i>For ASTM 120, Deduct</i>	-10.85	
<i>For Work In Restricted Working Space, Add</i>	14.99	
22 11 16 00-0271 EA 3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	33.70	13.39
<i>For Schedule 80 Nipples, Add</i>	15.46	
<i>For ASTM 120, Deduct</i>	-2.03	
<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-0272 EA 1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	29.17	13.39
<i>For Schedule 80 Nipples, Add</i>	10.29	
<i>For ASTM 120, Deduct</i>	-1.35	
<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-0273 EA 3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	30.92	13.39
<i>For Schedule 80 Nipples, Add</i>	12.29	
<i>For ASTM 120, Deduct</i>	-1.62	
<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-0274 EA 1" x 10" Long, Schedule 40 Galvanized Steel Nipple	35.76	14.52
<i>For Schedule 80 Nipples, Add</i>	16.04	
<i>For ASTM 120, Deduct</i>	-2.11	
<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-0275 EA 1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	41.55	15.65
<i>For Schedule 80 Nipples, Add</i>	20.58	
<i>For ASTM 120, Deduct</i>	-2.71	
<i>For Work In Restricted Working Space, Add</i>	7.05	
22 11 16 00-0276 EA 1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	43.69	15.65
<i>For Schedule 80 Nipples, Add</i>	23.02	
<i>For ASTM 120, Deduct</i>	-3.03	
<i>For Work In Restricted Working Space, Add</i>	7.05	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0277 EA 2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	59.87	20.16
For Schedule 80 Nipples, Add	33.69	
For ASTM 120, Deduct	-4.43	
For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0278 EA 2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	86.92	25.10
For Schedule 80 Nipples, Add	56.22	
For ASTM 120, Deduct	-7.40	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0279 EA 3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	114.47	30.31
For Schedule 80 Nipples, Add	78.65	
For ASTM 120, Deduct	-10.35	
For Work In Restricted Working Space, Add	13.64	
22 11 16 00-0280 EA 4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	133.80	33.35
For Schedule 80 Nipples, Add	95.57	
For ASTM 120, Deduct	-12.57	
For Work In Restricted Working Space, Add	14.99	
22 11 16 00-0281 EA 3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	35.17	13.39
For Schedule 80 Nipples, Add	17.13	
For ASTM 120, Deduct	-2.25	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0282 EA 1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	30.41	13.39
For Schedule 80 Nipples, Add	11.71	
For ASTM 120, Deduct	-1.54	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0283 EA 3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	32.24	13.39
For Schedule 80 Nipples, Add	13.79	
For ASTM 120, Deduct	-1.82	
For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0284 EA 1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	38.08	14.52
For Schedule 80 Nipples, Add	18.68	
For ASTM 120, Deduct	-2.46	
For Work In Restricted Working Space, Add	6.51	
22 11 16 00-0285 EA 1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	45.18	15.65
For Schedule 80 Nipples, Add	24.72	
For ASTM 120, Deduct	-3.25	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0286 EA 1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	46.60	15.65
For Schedule 80 Nipples, Add	26.33	
For ASTM 120, Deduct	-3.47	
For Work In Restricted Working Space, Add	7.05	
22 11 16 00-0287 EA 2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	64.23	20.16
For Schedule 80 Nipples, Add	38.66	
For ASTM 120, Deduct	-5.09	
For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0288 EA 2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	92.79	25.10
For Schedule 80 Nipples, Add	62.92	
For ASTM 120, Deduct	-8.28	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0289 EA 3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	123.06	30.31
For Schedule 80 Nipples, Add	88.44	
For ASTM 120, Deduct	-11.64	
For Work In Restricted Working Space, Add	13.64	
22 11 16 00-0290 EA 4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	145.40	33.35
For Schedule 80 Nipples, Add	108.79	
For ASTM 120, Deduct	-14.31	
For Work In Restricted Working Space, Add	14.99	
22 11 16 00-0291 Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0292 EA 1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	21.91	10.01
For 300 LB Rating, Add	24.26	
For Work In Restricted Working Space, Add	4.51	
22 11 16 00-0293 EA 3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	23.70	11.28
For 300 LB Rating, Add	24.37	
For Work In Restricted Working Space, Add	5.05	
22 11 16 00-0294 EA 1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	26.33	12.55
For 300 LB Rating, Add	26.76	
For Work In Restricted Working Space, Add	5.64	
22 11 16 00-0295 EA 1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	32.87	14.24
For 300 LB Rating, Add	40.68	
For Work In Restricted Working Space, Add	6.38	
22 11 16 00-0296 EA 1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	39.60	15.93
For 300 LB Rating, Add	54.51	
For Work In Restricted Working Space, Add	7.20	
22 11 16 00-0297 EA 2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	50.33	20.30
For 300 LB Rating, Add	69.32	
For Work In Restricted Working Space, Add	9.14	
22 11 16 00-0298 EA 2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	83.83	30.03
For 300 LB Rating, Add	134.35	
For Work In Restricted Working Space, Add	13.53	
22 11 16 00-0299 EA 3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	114.31	39.62
For 300 LB Rating, Add	190.36	
For Work In Restricted Working Space, Add	17.81	
22 11 16 00-0300 EA 4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	172.35	38.85
For 300 LB Rating, Add	391.30	
For Work In Restricted Working Space, Add	17.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0301	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i>	270.10 715.17	40.59
			<i>For Work In Restricted Working Space, Add</i>	18.25	
22 11 16 00-0302	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i>	289.83 773.00	42.35
			<i>For Work In Restricted Working Space, Add</i>	19.08	
22 11 16 00-0303			Galvanized Malleable Iron Bushing <small>(22 11 16 00-0013)</small>		
22 11 16 00-0304	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	57.28 11.95	26.51
22 11 16 00-0305	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	63.17 12.69	28.20
22 11 16 00-0306	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	64.31 13.36	29.74
22 11 16 00-0307	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	74.62 13.62	30.31
22 11 16 00-0308	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	74.21 14.29	31.72
22 11 16 00-0309	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	76.67 15.03	33.42
22 11 16 00-0310	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	87.41 14.64	32.57
22 11 16 00-0311	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	89.65 15.31	33.98
22 11 16 00-0312	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	88.32 16.05	35.67
22 11 16 00-0313	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	88.73 16.98	37.78
22 11 16 00-0314	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	105.14 17.07	37.92
22 11 16 00-0315	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	104.03 17.74	39.48
22 11 16 00-0316	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	104.03 18.48	41.03
22 11 16 00-0317	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	107.14 19.41	43.14
22 11 16 00-0318	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	105.32 20.43	45.39
22 11 16 00-0319	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	147.24 23.23	51.60
22 11 16 00-0320	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	149.69 23.97	53.30
22 11 16 00-0321	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	152.80 24.90	55.27
22 11 16 00-0322	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	154.90 25.92	57.66
22 11 16 00-0323	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	155.21 28.35	63.02
22 11 16 00-0324	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	187.39 28.58	63.44
22 11 16 00-0325	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	189.84 29.31	65.13
22 11 16 00-0326	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	192.94 30.24	67.25
22 11 16 00-0327	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	194.54 31.26	69.51
22 11 16 00-0328	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	194.20 33.69	74.87
22 11 16 00-0329	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	217.25 39.18	87.12
22 11 16 00-0330	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	284.64 27.46	60.96
22 11 16 00-0331	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	286.80 28.10	62.46
22 11 16 00-0332	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	289.55 28.93	64.33
22 11 16 00-0333	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	292.56 29.83	66.33
22 11 16 00-0334	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	277.00 31.99	71.08
22 11 16 00-0335	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	315.95 36.85	81.94
22 11 16 00-0336	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	318.96 41.58	92.43
22 11 16 00-0337			Galvanized Malleable Iron Floor Flange <small>(22 11 16 00-0013)</small>		
	<small>Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.</small>				
22 11 16 00-0338	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	84.64	51.52
22 11 16 00-0339	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	92.56	56.39
22 11 16 00-0340	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	105.92	63.72
22 11 16 00-0341	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	110.00	65.98
22 11 16 00-0342	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	119.70	71.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0343 EA 2", 150 LB, Galvanized Malleable Iron Floor Flange.....	128.07	74.87
22 11 16 00-0344 Galvanized Cast Iron Flanges <small>(22 11 16 00-0013)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0345 EA 3/4", 125 LB, Galvanized Cast Iron Flange.....	146.73	56.39
For Work In Restricted Working Space, Add	25.38	
22 11 16 00-0346 EA 1", 125 LB, Galvanized Cast Iron Flange.....	143.69	63.72
For Work In Restricted Working Space, Add	28.67	
22 11 16 00-0347 EA 1-1/4", 125 LB, Galvanized Cast Iron Flange.....	124.36	65.98
For Work In Restricted Working Space, Add	29.68	
22 11 16 00-0348 EA 1-1/2", 125 LB, Galvanized Cast Iron Flange.....	145.17	71.76
For Work In Restricted Working Space, Add	32.29	
22 11 16 00-0349 EA 2", 125 LB, Galvanized Cast Iron Flange.....	162.01	74.87
For Work In Restricted Working Space, Add	33.69	
22 11 16 00-0350 EA 2-1/2", 125 LB, Galvanized Cast Iron Flange.....	188.05	86.70
For Work In Restricted Working Space, Add	38.97	
22 11 16 00-0351 EA 3", 125 LB, Galvanized Cast Iron Flange.....	321.86	109.97
For Work In Restricted Working Space, Add	49.46	
22 11 16 00-0352 EA 4", 125 LB, Galvanized Cast Iron Flange.....	413.66	133.29
For Work In Restricted Working Space, Add	59.95	
22 11 16 00-0353 EA 5", 125 LB, Galvanized Cast Iron Flange.....	573.60	158.64
For Work In Restricted Working Space, Add	71.36	
22 11 16 00-0354 EA 6", 125 LB, Galvanized Cast Iron Flange.....	632.09	182.25
For Work In Restricted Working Space, Add	81.98	
22 11 16 00-0355 EA 8", 125 LB, Galvanized Cast Iron Flange.....	592.84	208.29
For Work In Restricted Working Space, Add	93.68	
22 11 16 00-0356 Cut And Thread Existing In-Place Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357 EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	45.94	
For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0358 EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	50.53	
For Work In Restricted Working Space, Add	15.16	
22 11 16 00-0359 EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	55.13	
For Work In Restricted Working Space, Add	16.54	
22 11 16 00-0360 EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	59.72	
For Work In Restricted Working Space, Add	17.92	
22 11 16 00-0361 EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	62.79	
For Work In Restricted Working Space, Add	18.84	
22 11 16 00-0362 EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	65.84	
For Work In Restricted Working Space, Add	19.75	
22 11 16 00-0363 EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	68.91	
For Work In Restricted Working Space, Add	20.67	
22 11 16 00-0364 EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	71.97	
For Work In Restricted Working Space, Add	21.59	
22 11 16 00-0365 EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	75.03	
For Work In Restricted Working Space, Add	22.51	
22 11 16 00-0366 EA 6", Cut And Thread Existing In Place Galvanized Steel Pipe.....	81.16	
For Work In Restricted Working Space, Add	24.35	
22 11 16 00-0367 EA 8", Cut And Thread Existing In Place Galvanized Steel Pipe.....	87.28	
For Work In Restricted Working Space, Add	26.18	
22 11 16 00-0368 Copper Pipe And Fittings <small>(22 11 16)</small>		
Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.		
22 11 16 00-0369 Copper Tube/Pipe <small>(22 11 16 00-0368)</small>		
Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0370 Hard Drawn Type L Copper Tube/Pipe <small>(22 11 16 00-0369)</small>		
22 11 16 00-0371 LF 1/4" Hard Drawn Type L Copper Tube/Pipe.....	6.89	3.45
For Medical/Oxygen Service Tubing, Add	0.14	
For Up To 20, Add	0.73	
For >150, Deduct	-0.17	
For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0372 LF 3/8" Hard Drawn Type L Copper Tube/Pipe.....	7.91	3.58
For Medical/Oxygen Service Tubing, Add	0.20	
For Up To 20, Add	0.85	
For >150, Deduct	-0.25	
For Work In Restricted Working Space, Add	1.61	
22 11 16 00-0373 LF 1/2" Hard Drawn Type L Copper Tube/Pipe.....	8.63	3.74
For Medical/Oxygen Service Tubing, Add	0.24	
For Up To 20, Add	0.94	
For >150, Deduct	-0.30	
For Work In Restricted Working Space, Add	1.68	
22 11 16 00-0374 LF 3/4" Hard Drawn Type L Copper Tube/Pipe.....	10.86	3.97
For Medical/Oxygen Service Tubing, Add	0.39	
For Up To 20, Add	1.21	
For >150, Deduct	-0.49	
For Work In Restricted Working Space, Add	1.79	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0375 LF 1" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.78 0.57 1.56 -0.71 2.00	4.45
22 11 16 00-0376 LF 1-1/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.72 0.78 2.22 -0.98 2.98	6.63
22 11 16 00-0377 LF 1-1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.68 1.01 2.68 -1.26 3.33	7.40
22 11 16 00-0378 LF 2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.59 1.59 3.86 -1.99 4.10	9.13
22 11 16 00-0379 LF 2-1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	61.00 2.30 6.82 -2.88 9.67	10.73
22 11 16 00-0380 LF 3" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	76.28 3.07 8.59 -3.84 11.37	12.65
22 11 16 00-0381 LF 4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	111.18 5.47 12.83 -6.84 12.83	14.27
22 11 16 00-0382 LF 5" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	169.94 9.66 20.01 -12.08 14.74	16.38
22 11 16 00-0383 LF 6" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	235.07 12.72 27.48 -15.89 22.84	25.39
22 11 16 00-0384 LF 8" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	384.18 23.96 45.91 -29.96 25.39	28.23
22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0369)		
22 11 16 00-0386 LF 1/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.50 0.16 0.80 -0.20 1.67	3.71
22 11 16 00-0387 LF 3/8" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.83 0.28 1.07 -0.35 1.90	3.86
22 11 16 00-0388 LF 1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.30 0.33 1.13 -0.41 1.86	4.01
22 11 16 00-0389 LF 3/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.57 0.59 1.64 -0.74 2.15	4.26
22 11 16 00-0390 LF 1" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.47 0.79 1.99 -0.98 2.29	4.79
22 11 16 00-0391 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.06 0.98 2.61 -1.23 3.24	7.12

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0392 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	27.84	7.95
For Medical/Oxygen Service Tubing, Add	1.26	
For Up To 20, Add	3.18	
For >150, Deduct	-1.57	
For Work In Restricted Working Space, Add	3.65	
22 11 16 00-0393 LF 2" Hard Drawn Type K Copper Tube/Pipe.....	39.00	9.81
For Medical/Oxygen Service Tubing, Add	1.93	
For Up To 20, Add	4.50	
For >150, Deduct	-2.41	
For Work In Restricted Working Space, Add	4.47	
22 11 16 00-0394 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	68.30	11.53
For Medical/Oxygen Service Tubing, Add	2.87	
For Up To 20, Add	7.73	
For >150, Deduct	-3.59	
For Work In Restricted Working Space, Add	9.71	
22 11 16 00-0395 LF 3" Hard Drawn Type K Copper Tube/Pipe.....	90.83	13.60
For Medical/Oxygen Service Tubing, Add	3.93	
For Up To 20, Add	10.31	
For >150, Deduct	-4.91	
For Work In Restricted Working Space, Add	12.51	
22 11 16 00-0396 LF 4" Hard Drawn Type K Copper Tube/Pipe.....	134.81	15.33
For Medical/Oxygen Service Tubing, Add	7.00	
For Up To 20, Add	15.67	
For >150, Deduct	-8.76	
For Work In Restricted Working Space, Add	14.18	
22 11 16 00-0397 LF 5" Hard Drawn Type K Copper Tube/Pipe.....	216.22	17.61
For Medical/Oxygen Service Tubing, Add	12.83	
For Up To 20, Add	25.63	
For >150, Deduct	-16.04	
For Work In Restricted Working Space, Add	16.74	
22 11 16 00-0398 LF 6" Hard Drawn Type K Copper Tube/Pipe.....	320.13	27.29
For Medical/Oxygen Service Tubing, Add	18.42	
For Up To 20, Add	37.77	
For >150, Deduct	-23.02	
For Work In Restricted Working Space, Add	26.98	
22 11 16 00-0399 LF 8" Hard Drawn Type K Copper Tube/Pipe.....	530.14	30.34
For Medical/Oxygen Service Tubing, Add	34.48	
For Up To 20, Add	63.79	
For >150, Deduct	-43.10	
For Work In Restricted Working Space, Add	29.73	
22 11 16 00-0400 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0369)		
22 11 16 00-0401 LF 3/8" Hard Drawn Type M Copper Tube/Pipe.....	6.63	3.23
For Up To 20, Add	0.71	
For >150, Deduct	-0.20	
For Work In Restricted Working Space, Add	1.40	
22 11 16 00-0402 LF 1/2" Hard Drawn Type M Copper Tube/Pipe.....	7.03	3.37
For Up To 20, Add	0.76	
For >150, Deduct	-0.22	
For Work In Restricted Working Space, Add	1.44	
22 11 16 00-0403 LF 3/4" Hard Drawn Type M Copper Tube/Pipe.....	8.72	3.57
For Up To 20, Add	0.96	
For >150, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.54	
22 11 16 00-0404 LF 1" Hard Drawn Type M Copper Tube/Pipe.....	11.26	4.01
For Up To 20, Add	1.26	
For >150, Deduct	-0.55	
For Work In Restricted Working Space, Add	1.72	
22 11 16 00-0405 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	16.88	5.97
For Up To 20, Add	1.89	
For >150, Deduct	-0.81	
For Work In Restricted Working Space, Add	2.64	
22 11 16 00-0406 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	21.24	6.66
For Up To 20, Add	2.40	
For >150, Deduct	-1.11	
For Work In Restricted Working Space, Add	3.03	
22 11 16 00-0407 LF 2" Hard Drawn Type M Copper Tube/Pipe.....	30.06	8.21
For Up To 20, Add	3.44	
For >150, Deduct	-1.75	
For Work In Restricted Working Space, Add	3.76	
22 11 16 00-0408 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe.....	55.88	9.65
For Up To 20, Add	6.22	
For >150, Deduct	-2.54	
For Work In Restricted Working Space, Add	9.14	
22 11 16 00-0409 LF 3" Hard Drawn Type M Copper Tube/Pipe.....	68.01	11.37
For Up To 20, Add	7.65	
For >150, Deduct	-3.38	
For Work In Restricted Working Space, Add	10.26	
22 11 16 00-0410 LF 4" Hard Drawn Type M Copper Tube/Pipe.....	103.23	12.84
For Up To 20, Add	11.91	
For >150, Deduct	-6.33	
For Work In Restricted Working Space, Add	11.97	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Water Distribution	22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0411 LF 5" Hard Drawn Type M Copper Tube/Pipe	168.99	14.74
For Up To 20, Add	19.97	
For >150, Deduct	-12.29	
For Work In Restricted Working Space, Add	13.82	
22 11 16 00-0412 LF 6" Hard Drawn Type M Copper Tube/Pipe	235.58	22.86
For Up To 20, Add	27.66	
For >150, Deduct	-16.42	
For Work In Restricted Working Space, Add	21.41	
22 11 16 00-0413 LF 8" Hard Drawn Type M Copper Tube/Pipe	389.71	25.40
For Up To 20, Add	46.75	
For >150, Deduct	-31.12	
For Work In Restricted Working Space, Add	23.55	
22 11 16 00-0414 Soft Drawn Type L Copper Tube (22 11 16 00-0369)		
22 11 16 00-0415 LF 1/4" Soft Drawn Type L Copper Tube	7.39	3.45
For Up To 20, Add	0.79	
For >150, Deduct	-0.22	
For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0416 LF 3/8" Soft Drawn Type L Copper Tube	8.85	3.58
For Up To 20, Add	0.97	
For >150, Deduct	-0.35	
For Work In Restricted Working Space, Add	1.61	
22 11 16 00-0417 LF 1/2" Soft Drawn Type L Copper Tube	10.27	3.74
For Up To 20, Add	1.14	
For >150, Deduct	-0.47	
For Work In Restricted Working Space, Add	1.68	
22 11 16 00-0418 LF 5/8" Soft Drawn Type L Copper Tube	11.76	3.86
For Up To 20, Add	1.33	
For >150, Deduct	-0.60	
For Work In Restricted Working Space, Add	1.73	
22 11 16 00-0419 LF 3/4" Soft Drawn Type L Copper Tube	13.08	3.97
For Up To 20, Add	1.49	
For >150, Deduct	-0.71	
For Work In Restricted Working Space, Add	1.79	
22 11 16 00-0420 LF 1" Soft Drawn Type L Copper Tube	16.55	4.45
For Up To 20, Add	1.90	
For >150, Deduct	-0.99	
For Work In Restricted Working Space, Add	2.00	
22 11 16 00-0421 LF 1-1/4" Soft Drawn Type L Copper Tube	22.92	6.63
For Up To 20, Add	2.62	
For >150, Deduct	-1.30	
For Work In Restricted Working Space, Add	2.98	
22 11 16 00-0422 LF 1-1/2" Soft Drawn Type L Copper Tube	28.70	7.40
For Up To 20, Add	3.31	
For >150, Deduct	-1.76	
For Work In Restricted Working Space, Add	3.33	
22 11 16 00-0423 LF 2" Soft Drawn Type L Copper Tube	41.68	9.13
For Up To 20, Add	4.87	
For >150, Deduct	-2.80	
For Work In Restricted Working Space, Add	4.10	
22 11 16 00-0424 Soft Drawn Type K Copper Tube (22 11 16 00-0369)		
22 11 16 00-0425 LF 1/4" Soft Drawn Type K Copper Tube	7.62	3.45
For Up To 20, Add	0.82	
For >150, Deduct	-0.25	
For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0426 LF 3/8" Soft Drawn Type K Copper Tube	9.57	3.58
For Up To 20, Add	1.06	
For >150, Deduct	-0.42	
For Work In Restricted Working Space, Add	1.61	
22 11 16 00-0427 LF 1/2" Soft Drawn Type K Copper Tube	10.87	3.74
For Up To 20, Add	1.22	
For >150, Deduct	-0.53	
For Work In Restricted Working Space, Add	1.68	
22 11 16 00-0428 LF 5/8" Soft Drawn Type K Copper Tube	12.05	3.86
For Up To 20, Add	1.36	
For >150, Deduct	-0.63	
For Work In Restricted Working Space, Add	1.73	
22 11 16 00-0429 LF 3/4" Soft Drawn Type K Copper Tube	15.67	3.97
For Up To 20, Add	1.81	
For >150, Deduct	-0.97	
For Work In Restricted Working Space, Add	1.79	
22 11 16 00-0430 LF 1" Soft Drawn Type K Copper Tube	19.59	4.45
For Up To 20, Add	2.28	
For >150, Deduct	-1.29	
For Work In Restricted Working Space, Add	2.00	
22 11 16 00-0431 LF 1-1/4" Soft Drawn Type K Copper Tube	25.14	6.63
For Up To 20, Add	2.89	
For >150, Deduct	-1.52	
For Work In Restricted Working Space, Add	2.98	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0432	LF	1-1/2"	Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.23 3.75 -2.11 3.33	7.40
22 11 16 00-0433	LF	2"	Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	46.54 5.48 -3.29 4.10	9.13
22 11 16 00-0434	LF	2-1/2"	Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	65.69 7.80 -4.93 4.92	10.95
22 11 16 00-0435	LF	3"	Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	87.93 10.51 -6.86 5.81	12.92
22 11 16 00-0436	EA		Copper And Brass Fittings (22 11 16 00-0368) Note: All fittings are based on 95/5 solder.		
22 11 16 00-0437	EA		90 Degree Copper Elbows (22 11 16 00-0436)		
22 11 16 00-0438	EA	1/4"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.02 4.81 -3.28 4.59 1.76 9.19	20.43
22 11 16 00-0439	EA	3/8"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.39 5.74 -3.91 5.51 1.86 11.03	24.50
22 11 16 00-0440	EA	1/2"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.03 7.65 -5.13 7.58 0.60 15.16	33.68
22 11 16 00-0441	EA	3/4"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.17 9.59 -6.45 9.42 1.35 18.84	41.96
22 11 16 00-0442	EA	1"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.31 11.67 -7.92 11.26 3.31 22.51	50.07
22 11 16 00-0443	EA	1-1/4"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.53 12.79 -8.73 12.17 4.95 24.35	54.21
22 11 16 00-0444	EA	1-1/2"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.16 14.29 -9.85 13.32 7.74 26.65	59.26
22 11 16 00-0445	EA	2"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.80 16.69 -11.72 14.93 14.10 29.86	66.45
22 11 16 00-0446	EA	2-1/2"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.94 18.60 -13.52 15.23 30.45	67.68
22 11 16 00-0447	EA	3"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.35 22.94 -16.88 18.19 36.37	80.92
22 11 16 00-0448	EA	4"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	402.75 37.34 -28.74 25.80 51.60	114.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0449	EA		5" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,202.15 83.65 -71.88 35.32 70.63	157.05
22 11 16 00-0450	EA		6" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,631.28 115.82 -98.69 51.39 102.77	228.53
22 11 16 00-0451	EA		8" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,224.29 306.89 -284.05 68.52 137.03	304.66
22 11 16 00-0452 90 Degree Brass Elbows (22 11 16 00-0436)					
22 11 16 00-0453	EA		1/2" Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.97 8.05 -5.53 7.58 15.16	33.68
22 11 16 00-0454	EA		3/4" Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.32 10.80 -7.66 9.42 18.84	41.96
22 11 16 00-0455	EA		1/2" Flanged Sink 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.74 8.44 -5.91 7.58 15.16	33.68
22 11 16 00-0456	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.87 6.22 -4.38 5.51 11.03	24.50
22 11 16 00-0457	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.64 8.09 -5.56 7.58 15.16	33.68
22 11 16 00-0458	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.59 10.31 -7.17 9.42 18.84	41.96
22 11 16 00-0459	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.86 14.10 -10.35 11.26 22.51	50.07
22 11 16 00-0460 Reducing 90 Degree Copper Elbows (22 11 16 00-0436)					
22 11 16 00-0461	EA		1/2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.73 8.19 -5.66 7.58 15.16	33.68
22 11 16 00-0462	EA		3/4" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.44 9.85 -6.71 9.42 18.84	41.96
22 11 16 00-0463	EA		1" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.92 12.05 -8.30 11.26 22.51	50.07
22 11 16 00-0464	EA		1-1/4" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.60 14.20 -10.14 12.17 24.35	54.21
22 11 16 00-0465	EA		1-1/2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.96 15.98 -11.54 13.32 26.65	59.26
22 11 16 00-0466	EA		2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.06 18.51 -13.53 14.93 29.86	66.45



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0467		45 Degree Copper Elbows (22 11 16 00-0436)		
22 11 16 00-0468	EA	1/4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.82 5.00 -3.47 4.59 3.28 9.19	20.43
22 11 16 00-0469	EA	3/8" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.77 5.86 -4.03 5.51 2.81 11.03	24.50
22 11 16 00-0470	EA	1/2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.29 7.72 -5.19 7.58 1.10 15.16	33.68
22 11 16 00-0471	EA	3/4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.51 9.65 -6.52 9.42 1.89 18.84	41.96
22 11 16 00-0472	EA	1" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.82 11.85 -8.09 11.26 4.71 22.51	50.07
22 11 16 00-0473	EA	1-1/4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.12 12.97 -8.91 12.17 6.38 24.35	54.21
22 11 16 00-0474	EA	1-1/2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.41 14.30 -9.86 13.32 7.84 26.65	59.26
22 11 16 00-0475	EA	2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.21 16.56 -11.59 14.93 29.86	66.45
22 11 16 00-0476	EA	2-1/2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.12 18.56 -13.48 15.23 30.45	67.68
22 11 16 00-0477	EA	3" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.09 23.13 -17.07 18.19 36.37	80.92
22 11 16 00-0478	EA	4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	382.78 36.34 -27.74 25.80 51.60	114.76
22 11 16 00-0479	EA	5" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,051.79 76.13 -64.36 35.32 70.63	157.05
22 11 16 00-0480	EA	6" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,629.08 115.71 -98.58 51.39 102.77	228.53
22 11 16 00-0481	EA	8" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,828.22 287.09 -264.25 68.52 137.03	304.66
22 11 16 00-0482		Straight Copper And Brass Tees (22 11 16 00-0436)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0483 EA 1/4" Straight Copper Tee	55.13	30.63
For Silver Solder Instead Of 95/5 Solder, Add	7.35	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.89	
For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0484 EA 3/8" Straight Copper Tee	62.52	36.75
For Silver Solder Instead Of 95/5 Solder, Add	8.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.27	
For Work In Restricted Working Space, Add	16.54	
22 11 16 00-0485 EA 1/2" Straight Copper Tee	79.16	51.14
For Silver Solder Instead Of 95/5 Solder, Add	11.62	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.49	
For Work In Restricted Working Space, Add	22.97	
22 11 16 00-0486 EA 3/4" Straight Copper Tee	101.12	63.40
For Silver Solder Instead Of 95/5 Solder, Add	14.55	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.24	
For Work In Restricted Working Space, Add	28.48	
22 11 16 00-0487 EA 1" Straight Copper Tee	131.91	75.65
For Silver Solder Instead Of 95/5 Solder, Add	17.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.00	
For Work In Restricted Working Space, Add	34.00	
22 11 16 00-0488 EA 1-1/4" Straight Copper Tee	148.40	81.77
For Silver Solder Instead Of 95/5 Solder, Add	19.67	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.38	
For Work In Restricted Working Space, Add	36.75	
22 11 16 00-0489 EA 1-1/2" Straight Copper Tee	172.41	88.82
For Silver Solder Instead Of 95/5 Solder, Add	21.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.98	
For Work In Restricted Working Space, Add	39.97	
22 11 16 00-0490 EA 2" Straight Copper Tee	212.36	100.15
For Silver Solder Instead Of 95/5 Solder, Add	25.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.51	
For Work In Restricted Working Space, Add	45.02	
22 11 16 00-0491 EA 2-1/2" Straight Copper Tee	272.47	101.50
For Silver Solder Instead Of 95/5 Solder, Add	28.85	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.24	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.84	
For Work In Restricted Working Space, Add	45.68	
22 11 16 00-0492 EA 3" Straight Copper Tee	366.93	122.23
For Silver Solder Instead Of 95/5 Solder, Add	36.67	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.49	
For Work In Restricted Working Space, Add	54.98	
22 11 16 00-0493 EA 4" Straight Copper Tee	701.06	171.15
For Silver Solder Instead Of 95/5 Solder, Add	60.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-47.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	38.49	
For Work In Restricted Working Space, Add	76.97	
22 11 16 00-0494 EA 5" Straight Copper Tee	1,804.04	234.17
For Silver Solder Instead Of 95/5 Solder, Add	125.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-107.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	52.66	
For Work In Restricted Working Space, Add	105.32	
22 11 16 00-0495 EA 6" Straight Copper Tee	2,500.80	343.28
For Silver Solder Instead Of 95/5 Solder, Add	176.50	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-150.77	
For Brazed Fittings Instead Of 95/5 Solder, Add	77.19	
For Work In Restricted Working Space, Add	154.37	
22 11 16 00-0496 EA 8" Straight Copper Tee	8,346.93	457.06
For Silver Solder Instead Of 95/5 Solder, Add	485.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-451.61	
For Brazed Fittings Instead Of 95/5 Solder, Add	102.78	
For Work In Restricted Working Space, Add	205.55	
22 11 16 00-0497 EA 1/2" Cast Bronze Drop Ear Tee	92.49	51.14
For Silver Solder Instead Of 95/5 Solder, Add	12.28	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.49	
For Work In Restricted Working Space, Add	22.97	
22 11 16 00-0498 Reducing Copper Tees (22 11 16 00-0436)		
22 11 16 00-0499 EA 3/8" Reducing Copper Tee	63.62	32.62
For Silver Solder Instead Of 95/5 Solder, Add	8.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.35	
For Work In Restricted Working Space, Add	14.70	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0500 EA 1/2" Reducing Copper Tee.....	81.78	45.94
For Silver Solder Instead Of 95/5 Solder, Add	10.98	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.34	
For Work In Restricted Working Space, Add	20.67	
22 11 16 00-0501 EA 3/4" Reducing Copper Tee.....	95.38	59.26
For Silver Solder Instead Of 95/5 Solder, Add	13.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.32	
For Work In Restricted Working Space, Add	26.65	
22 11 16 00-0502 EA 1" Reducing Copper Tee.....	128.05	71.51
For Silver Solder Instead Of 95/5 Solder, Add	17.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.08	
For Work In Restricted Working Space, Add	32.16	
22 11 16 00-0503 EA 1-1/4" Reducing Copper Tee.....	148.01	77.64
For Silver Solder Instead Of 95/5 Solder, Add	19.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.22	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.46	
For Work In Restricted Working Space, Add	34.91	
22 11 16 00-0504 EA 1-1/2" Reducing Copper Tee.....	171.80	84.84
For Silver Solder Instead Of 95/5 Solder, Add	21.30	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.07	
For Work In Restricted Working Space, Add	38.13	
22 11 16 00-0505 EA 2" Reducing Copper Tee.....	207.04	94.94
For Silver Solder Instead Of 95/5 Solder, Add	24.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.36	
For Work In Restricted Working Space, Add	42.72	
22 11 16 00-0506 EA 2-1/2" Reducing Copper Tee.....	278.31	97.84
For Silver Solder Instead Of 95/5 Solder, Add	28.58	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.99	
For Work In Restricted Working Space, Add	43.99	
22 11 16 00-0507 EA 3" Reducing Copper Tee.....	385.43	112.79
For Silver Solder Instead Of 95/5 Solder, Add	36.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	25.38	
For Work In Restricted Working Space, Add	50.75	
22 11 16 00-0508 EA 4" Reducing Copper Tee.....	663.89	139.15
For Silver Solder Instead Of 95/5 Solder, Add	54.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-43.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	31.30	
For Work In Restricted Working Space, Add	62.60	
22 11 16 00-0509 Copper Couplings (22 11 16 00-0436)		
22 11 16 00-0510 EA 1/4" Copper Coupling.....	31.51	20.43
For Silver Solder Instead Of 95/5 Solder, Add	4.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.59	
For Work In Restricted Working Space, Add	9.19	
22 11 16 00-0511 EA 3/8" Copper Coupling.....	37.92	24.50
For Silver Solder Instead Of 95/5 Solder, Add	5.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.51	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0512 EA 1/2" Copper Coupling.....	51.49	33.68
For Silver Solder Instead Of 95/5 Solder, Add	7.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.58	
For Work In Restricted Working Space, Add	15.16	
22 11 16 00-0513 EA 3/4" Copper Coupling.....	64.75	41.96
For Silver Solder Instead Of 95/5 Solder, Add	9.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.38	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.42	
For Work In Restricted Working Space, Add	18.84	
22 11 16 00-0514 EA 1" Copper Coupling.....	78.93	50.07
For Silver Solder Instead Of 95/5 Solder, Add	11.45	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.26	
For Work In Restricted Working Space, Add	22.51	
22 11 16 00-0515 EA 1-1/4" Copper Coupling.....	88.01	54.21
For Silver Solder Instead Of 95/5 Solder, Add	12.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.46	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.17	
For Work In Restricted Working Space, Add	24.35	
22 11 16 00-0516 EA 1-1/2" Copper Coupling.....	97.89	59.26
For Silver Solder Instead Of 95/5 Solder, Add	13.78	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.32	
For Work In Restricted Working Space, Add	26.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0517 EA 2" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.62 15.69 -10.71 14.93 29.86	65.85
22 11 16 00-0518 EA 2-1/2" Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.11 15.89 -11.10 14.38 28.76	64.00
22 11 16 00-0519 EA 3" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.76 19.40 -13.62 17.34 34.68	77.54
22 11 16 00-0520 EA 4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.74 27.80 -20.04 23.26 46.52	104.33
22 11 16 00-0521 EA 5" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	400.42 41.17 -30.59 31.72 63.44	190.33
22 11 16 00-0522 EA 6" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	622.41 62.14 -46.63 46.52 93.05	206.82
22 11 16 00-0523 EA 8" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,423.84 112.36 -91.78 61.75 123.50	274.21
22 11 16 00-0524 Reducing Copper Couplings <small>(22 11 16 00-0436)</small>		
22 11 16 00-0525 EA 3/8" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.55 4.69 -3.16 4.59 9.19	20.37
22 11 16 00-0526 EA 1/2" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.66 6.65 -4.47 6.55 13.10	29.09
22 11 16 00-0527 EA 3/4" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.13 8.67 -5.84 8.50 17.00	37.83
22 11 16 00-0528 EA 1" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.18 10.65 -7.20 10.34 20.67	45.94
22 11 16 00-0529 EA 1-1/4" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.82 12.15 -8.25 11.71 23.43	52.06
22 11 16 00-0530 EA 1-1/2" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.44 13.47 -9.22 12.75 25.50	56.66
22 11 16 00-0531 EA 2" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.53 15.24 -10.54 14.13 28.25	62.79
22 11 16 00-0532 EA 2-1/2" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.44 16.73 -11.90 14.49 28.97	64.43
22 11 16 00-0533 EA 3" Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.84 19.48 -13.91 16.71 33.41	74.72

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0534 EA 4" Reducing Copper Coupling.....	256.72	97.84
For Silver Solder Instead Of 95/5 Solder, Add	27.50	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.99	
For Work In Restricted Working Space, Add	43.99	
22 11 16 00-0535 EA 5" Reducing Copper Coupling.....	634.96	136.33
For Silver Solder Instead Of 95/5 Solder, Add	52.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-41.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	30.66	
For Work In Restricted Working Space, Add	61.33	
22 11 16 00-0536 EA 6" Reducing Copper Coupling.....	941.63	183.28
For Silver Solder Instead Of 95/5 Solder, Add	74.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-60.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	41.24	
For Work In Restricted Working Space, Add	82.47	
22 11 16 00-0537 EA 8" Reducing Copper Coupling.....	1,813.78	267.06
For Silver Solder Instead Of 95/5 Solder, Add	130.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-110.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	60.06	
For Work In Restricted Working Space, Add	120.12	
22 11 16 00-0538 Male Copper Adapters (22 11 16 00-0436)		
22 11 16 00-0539 EA 1/4" Male Copper Adapter.....	46.13	19.90
For Silver Solder Instead Of 95/5 Solder, Add	5.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.59	
For Work In Restricted Working Space, Add	9.19	
22 11 16 00-0540 EA 3/8" Male Copper Adapter.....	44.48	24.50
For Silver Solder Instead Of 95/5 Solder, Add	5.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.51	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0541 EA 1/2" Male Copper Adapter.....	49.07	30.63
For Silver Solder Instead Of 95/5 Solder, Add	7.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.89	
For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0542 EA 3/4" Male Copper Adapter.....	61.97	38.28
For Silver Solder Instead Of 95/5 Solder, Add	8.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.93	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.50	
For Work In Restricted Working Space, Add	17.00	
22 11 16 00-0543 EA 1" Male Copper Adapter.....	79.34	44.41
For Silver Solder Instead Of 95/5 Solder, Add	10.55	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.88	
For Work In Restricted Working Space, Add	19.76	
22 11 16 00-0544 EA 1-1/4" Male Copper Adapter.....	96.21	50.53
For Silver Solder Instead Of 95/5 Solder, Add	12.47	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.49	
For Work In Restricted Working Space, Add	22.97	
22 11 16 00-0545 EA 1-1/2" Male Copper Adapter.....	110.26	58.19
For Silver Solder Instead Of 95/5 Solder, Add	14.24	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.09	
For Work In Restricted Working Space, Add	26.18	
22 11 16 00-0546 EA 2" Male Copper Adapter.....	150.68	74.26
For Silver Solder Instead Of 95/5 Solder, Add	18.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.77	
For Work In Restricted Working Space, Add	33.54	
22 11 16 00-0547 EA 2-1/2" Male Copper Adapter.....	264.60	96.47
For Silver Solder Instead Of 95/5 Solder, Add	27.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.59	
For Work In Restricted Working Space, Add	43.19	
22 11 16 00-0548 EA 3" Male Copper Adapter.....	351.46	128.64
For Silver Solder Instead Of 95/5 Solder, Add	36.75	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	28.76	
For Work In Restricted Working Space, Add	57.52	
22 11 16 00-0549 EA 4" Male Copper Adapter.....	526.13	180.45
For Silver Solder Instead Of 95/5 Solder, Add	53.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-39.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	40.60	
For Work In Restricted Working Space, Add	81.20	
22 11 16 00-0550 Female Copper Adapters (22 11 16 00-0436)		
22 11 16 00-0551 EA 1/4" Female Copper Adapter.....	40.53	19.90
For Silver Solder Instead Of 95/5 Solder, Add	5.09	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.56	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.59	
For Work In Restricted Working Space, Add	9.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0552	EA		3/8" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.11 6.03 -4.19 5.51 11.03	24.50
22 11 16 00-0553	EA		1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.95 7.14 -4.84 6.89 13.78	30.63
22 11 16 00-0554	EA		3/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.51 8.84 -6.01 8.50 17.00	38.28
22 11 16 00-0555	EA		1" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.52 10.66 -7.37 9.88 19.76	44.41
22 11 16 00-0556	EA		1-1/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.55 12.63 -8.81 11.49 22.97	50.53
22 11 16 00-0557	EA		1-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.25 14.89 -10.53 13.09 26.18	58.19
22 11 16 00-0558	EA		2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.59 19.21 -13.62 16.77 33.54	74.26
22 11 16 00-0559	EA		2-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.77 28.39 -21.76 19.88 39.76	88.82
22 11 16 00-0560	EA		3" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	478.51 43.10 -33.51 28.76 57.52	128.64
22 11 16 00-0561			Wrot Copper, Solder Union <small>(22 11 16 00-0436)</small>		
22 11 16 00-0562	EA		1/4" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.64 6.61 -4.77 5.51 11.03	24.50
22 11 16 00-0563	EA		3/8" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.96 7.79 -5.57 6.66 13.32	29.55
22 11 16 00-0564	EA		1/2" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.07 8.97 -6.21 8.27 16.54	36.75
22 11 16 00-0565	EA		3/4" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.93 10.28 -7.14 9.42 18.84	41.96
22 11 16 00-0566	EA		1" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.50 12.73 -8.98 11.26 22.51	50.07
22 11 16 00-0567	EA		1-1/4" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.35 14.54 -10.40 12.40 24.81	55.13
22 11 16 00-0568	EA		1-1/2" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.02 16.79 -12.20 13.78 27.56	61.26

22	22 Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0569 EA 2" Wrot Copper, Solder Union.....	212.77	73.50
For Silver Solder Instead Of 95/5 Solder, Add	21.66	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.54	
For Work In Restricted Working Space, Add	33.08	
22 11 16 00-0570 EA 2-1/2" Wrot Copper, Solder Union.....	400.81	80.92
For Silver Solder Instead Of 95/5 Solder, Add	32.16	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.19	
For Work In Restricted Working Space, Add	36.37	
22 11 16 00-0571 EA 3" Wrot Copper, Solder Union.....	895.45	114.76
For Silver Solder Instead Of 95/5 Solder, Add	61.97	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-53.37	
For Brazed Fittings Instead Of 95/5 Solder, Add	25.80	
For Work In Restricted Working Space, Add	51.60	
22 11 16 00-0572 Cast Bronze, Solder Union (22 11 16 00-0436)		
22 11 16 00-0573 EA 1/4" Cast Bronze, Solder Union.....	66.71	24.50
For Silver Solder Instead Of 95/5 Solder, Add	7.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.51	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0574 EA 3/8" Cast Bronze, Solder Union.....	74.58	29.55
For Silver Solder Instead Of 95/5 Solder, Add	8.17	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.66	
For Work In Restricted Working Space, Add	13.32	
22 11 16 00-0575 EA 1/2" Cast Bronze, Solder Union.....	71.19	36.75
For Silver Solder Instead Of 95/5 Solder, Add	9.07	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.27	
For Work In Restricted Working Space, Add	16.54	
22 11 16 00-0576 EA 3/4" Cast Bronze, Solder Union.....	82.93	41.96
For Silver Solder Instead Of 95/5 Solder, Add	10.43	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.42	
For Work In Restricted Working Space, Add	18.84	
22 11 16 00-0577 EA 1" Cast Bronze, Solder Union.....	109.70	50.07
For Silver Solder Instead Of 95/5 Solder, Add	12.99	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.24	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.26	
For Work In Restricted Working Space, Add	22.51	
22 11 16 00-0578 EA 1-1/4" Cast Bronze, Solder Union.....	139.57	55.13
For Silver Solder Instead Of 95/5 Solder, Add	15.25	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.40	
For Work In Restricted Working Space, Add	24.81	
22 11 16 00-0579 EA 1-1/2" Cast Bronze, Solder Union.....	166.86	61.26
For Silver Solder Instead Of 95/5 Solder, Add	17.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.78	
For Work In Restricted Working Space, Add	27.56	
22 11 16 00-0580 EA 2" Cast Bronze, Solder Union.....	238.03	73.50
For Silver Solder Instead Of 95/5 Solder, Add	22.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.41	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.54	
For Work In Restricted Working Space, Add	33.08	
22 11 16 00-0581 EA 2-1/2" Cast Bronze, Solder Union.....	400.80	80.92
For Silver Solder Instead Of 95/5 Solder, Add	32.16	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.19	
For Work In Restricted Working Space, Add	36.37	
22 11 16 00-0582 EA 3" Cast Bronze, Solder Union.....	895.45	114.76
For Silver Solder Instead Of 95/5 Solder, Add	61.97	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-53.37	
For Brazed Fittings Instead Of 95/5 Solder, Add	25.80	
For Work In Restricted Working Space, Add	51.60	
22 11 16 00-0583 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0436)		
22 11 16 00-0584 EA 1/4" Cast Bronze, Solder X Female Threaded Union.....	77.61	24.50
For Silver Solder Instead Of 95/5 Solder, Add	7.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.51	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0585 EA 3/8" Cast Bronze, Solder X Female Threaded Union.....	86.68	29.55
For Silver Solder Instead Of 95/5 Solder, Add	8.78	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.66	
For Work In Restricted Working Space, Add	13.32	
22 11 16 00-0586 EA 1/2" Cast Bronze, Solder X Female Threaded Union.....	88.71	36.75
For Silver Solder Instead Of 95/5 Solder, Add	9.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.27	
For Work In Restricted Working Space, Add	16.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0587 EA 3/4" Cast Bronze, Solder X Female Threaded Union.....	108.56	41.96
For Silver Solder Instead Of 95/5 Solder, Add	11.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.42	
For Work In Restricted Working Space, Add	18.84	
22 11 16 00-0588 EA 1" Cast Bronze, Solder X Female Threaded Union	170.24	50.07
For Silver Solder Instead Of 95/5 Solder, Add	16.02	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.26	
For Work In Restricted Working Space, Add	22.51	
22 11 16 00-0589 EA 1-1/4" Cast Bronze, Solder X Female Threaded Union	260.10	55.13
For Silver Solder Instead Of 95/5 Solder, Add	21.27	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.40	
For Work In Restricted Working Space, Add	24.81	
22 11 16 00-0590 EA 1-1/2" Cast Bronze, Solder X Female Threaded Union	316.64	61.26
For Silver Solder Instead Of 95/5 Solder, Add	25.02	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.78	
For Work In Restricted Working Space, Add	27.56	
22 11 16 00-0591 EA 2" Cast Bronze, Solder X Female Threaded Union	490.70	73.50
For Silver Solder Instead Of 95/5 Solder, Add	35.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.54	
For Work In Restricted Working Space, Add	33.08	
22 11 16 00-0592 EA 2-1/2" Cast Bronze, Solder X Female Threaded Union	842.46	80.92
For Silver Solder Instead Of 95/5 Solder, Add	54.25	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-48.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.19	
For Work In Restricted Working Space, Add	36.37	
22 11 16 00-0593 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0436)		
22 11 16 00-0594 EA 1/4" Cast Bronze, Solder X Male Threaded Union.....	67.87	24.50
For Silver Solder Instead Of 95/5 Solder, Add	7.07	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.51	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0595 EA 3/8" Cast Bronze, Solder X Male Threaded Union.....	80.73	29.55
For Silver Solder Instead Of 95/5 Solder, Add	8.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.66	
For Work In Restricted Working Space, Add	13.32	
22 11 16 00-0596 EA 1/2" Cast Bronze, Solder X Male Threaded Union.....	81.63	36.75
For Silver Solder Instead Of 95/5 Solder, Add	9.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.27	
For Work In Restricted Working Space, Add	16.54	
22 11 16 00-0597 EA 3/4" Cast Bronze, Solder X Male Threaded Union.....	102.57	41.96
For Silver Solder Instead Of 95/5 Solder, Add	11.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.42	
For Work In Restricted Working Space, Add	18.84	
22 11 16 00-0598 EA 1" Cast Bronze, Solder X Male Threaded Union.....	172.98	50.07
For Silver Solder Instead Of 95/5 Solder, Add	16.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.26	
For Work In Restricted Working Space, Add	22.51	
22 11 16 00-0599 EA 1-1/4" Cast Bronze, Solder X Male Threaded Union.....	204.18	55.13
For Silver Solder Instead Of 95/5 Solder, Add	18.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.40	
For Work In Restricted Working Space, Add	24.81	
22 11 16 00-0600 EA 1-1/2" Cast Bronze, Solder X Male Threaded Union.....	219.49	61.26
For Silver Solder Instead Of 95/5 Solder, Add	20.16	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.78	
For Work In Restricted Working Space, Add	27.56	
22 11 16 00-0601 EA 2" Cast Bronze, Solder X Male Threaded Union.....	306.26	73.50
For Silver Solder Instead Of 95/5 Solder, Add	26.34	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.54	
For Work In Restricted Working Space, Add	33.08	
22 11 16 00-0602 EA 2-1/2" Cast Bronze, Solder X Male Threaded Union.....	695.67	80.92
For Silver Solder Instead Of 95/5 Solder, Add	46.91	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-40.85	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.19	
For Work In Restricted Working Space, Add	36.37	
22 11 16 00-0603 Copper Caps (22 11 16 00-0436)		
22 11 16 00-0604 EA 1/4" Copper Cap	11.44	6.73
For Silver Solder Instead Of 95/5 Solder, Add	1.58	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.08	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.52	
For Work In Restricted Working Space, Add	3.03	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0605 EA 3/8" Copper Cap	14.26	7.96
For Silver Solder Instead Of 95/5 Solder, Add	1.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.82	
For Work In Restricted Working Space, Add	3.64	
22 11 16 00-0606 EA 1/2" Copper Cap	17.77	11.03
For Silver Solder Instead Of 95/5 Solder, Add	2.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.50	
For Work In Restricted Working Space, Add	5.00	
22 11 16 00-0607 EA 3/4" Copper Cap	22.77	13.63
For Silver Solder Instead Of 95/5 Solder, Add	3.21	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.11	
For Work In Restricted Working Space, Add	6.22	
22 11 16 00-0608 EA 1" Copper Cap	29.56	16.38
For Silver Solder Instead Of 95/5 Solder, Add	3.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.71	
For Work In Restricted Working Space, Add	7.43	
22 11 16 00-0609 EA 1-1/4" Copper Cap	33.21	17.61
For Silver Solder Instead Of 95/5 Solder, Add	4.34	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.00	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.02	
For Work In Restricted Working Space, Add	8.03	
22 11 16 00-0610 EA 1-1/2" Copper Cap	38.67	19.29
For Silver Solder Instead Of 95/5 Solder, Add	4.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.40	
For Work In Restricted Working Space, Add	8.79	
22 11 16 00-0611 EA 2" Copper Cap	47.54	20.02
For Silver Solder Instead Of 95/5 Solder, Add	5.40	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.89	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.54	
For Work In Restricted Working Space, Add	9.07	
22 11 16 00-0612 EA 2-1/2" Copper Cap	86.06	23.40
For Silver Solder Instead Of 95/5 Solder, Add	7.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.08	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.33	
For Work In Restricted Working Space, Add	10.66	
22 11 16 00-0613 EA 3" Copper Cap	117.83	30.03
For Silver Solder Instead Of 95/5 Solder, Add	10.44	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.82	
For Work In Restricted Working Space, Add	13.64	
22 11 16 00-0614 EA 4" Copper Cap	205.39	45.39
For Silver Solder Instead Of 95/5 Solder, Add	17.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.32	
For Work In Restricted Working Space, Add	20.64	
22 11 16 00-0615 EA 5" Cast Bronze Cap	1,066.05	69.93
For Silver Solder Instead Of 95/5 Solder, Add	63.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-58.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.89	
For Work In Restricted Working Space, Add	31.79	
22 11 16 00-0616 EA 6" Cast Bronze Cap	2,067.03	101.78
For Silver Solder Instead Of 95/5 Solder, Add	118.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-111.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	23.12	
For Work In Restricted Working Space, Add	46.25	
22 11 16 00-0617 EA 8" Cast Bronze Cap	2,633.28	135.62
For Silver Solder Instead Of 95/5 Solder, Add	152.22	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-141.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	30.83	
For Work In Restricted Working Space, Add	61.67	
22 11 16 00-0618 Copper Crosses (22 11 16 00-0436)		
22 11 16 00-0619 EA 1/2" Copper Cross	110.28	62.03
For Silver Solder Instead Of 95/5 Solder, Add	14.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.96	
For Work In Restricted Working Space, Add	27.92	
22 11 16 00-0620 EA 3/4" Copper Cross	149.09	77.12
For Silver Solder Instead Of 95/5 Solder, Add	19.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.34	
For Work In Restricted Working Space, Add	34.68	
22 11 16 00-0621 EA 1" Copper Cross	195.07	92.06
For Silver Solder Instead Of 95/5 Solder, Add	23.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.73	
For Work In Restricted Working Space, Add	41.45	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0622	EA		1-1/4" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.22 26.51 -19.03 22.42 44.83	99.67
	22 11 16 00-0623	EA		1-1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.10 30.36 -22.18 24.53 49.06	108.97
	22 11 16 00-0624	EA		2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.49 38.50 -29.34 27.49 54.98	122.23
	22 11 16 00-0625	EA		2-1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	710.61 55.83 -45.68 30.45 60.91	135.34
22 11 16 00-0626				Cast Bronze Crosses (22 11 16 00-0436)		
	22 11 16 00-0627	EA		3/8" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.66 11.30 -7.92 10.15 20.30	45.11
	22 11 16 00-0628	EA		1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.73 14.99 -10.34 13.96 27.92	62.03
	22 11 16 00-0629	EA		3/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.79 19.35 -13.57 17.34 34.68	77.12
	22 11 16 00-0630	EA		1" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.43 24.14 -17.23 20.73 41.45	92.06
	22 11 16 00-0631	EA		1-1/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.57 27.32 -19.85 22.42 44.83	99.67
	22 11 16 00-0632	EA		1-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	303.41 31.52 -23.35 24.53 49.06	108.97
	22 11 16 00-0633	EA		2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	441.01 40.38 -31.21 27.49 54.98	122.23
	22 11 16 00-0634	EA		2-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	812.13 60.91 -50.76 30.45 60.91	135.34
22 11 16 00-0635				Flexible Corrugated Copper Supply Line (22 11 16 00-0436)		
	22 11 16 00-0636	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	114.67	41.96
	22 11 16 00-0637	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	120.91	41.96
	22 11 16 00-0638	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	103.44	41.96
	22 11 16 00-0639	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	110.51	41.96
	22 11 16 00-0640	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	116.75	41.96
	22 11 16 00-0641	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	120.91	41.96
22 11 16 00-0642				Crimped Copper Fittings (22 11 16 00-0368) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0643				Crimped Copper 90 Degree Elbows (22 11 16 00-0642)		
	22 11 16 00-0644	EA		1/2" Crimped Copper 90 Degree Elbow	32.87	18.38
	22 11 16 00-0645	EA		3/4" Crimped Copper 90 Degree Elbow	40.39	20.98
	22 11 16 00-0646	EA		1" Crimped Copper 90 Degree Elbow	55.53	24.96
	22 11 16 00-0647	EA		1-1/4" Crimped Copper 90 Degree Elbow	77.72	27.56
	22 11 16 00-0648	EA		1-1/2" Crimped Copper 90 Degree Elbow	114.83	30.63
	22 11 16 00-0649	EA		2" Crimped Copper 90 Degree Elbow	150.87	36.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0650 EA 2-1/2" Crimped Copper 90 Degree Elbow.....	342.41	42.87
22 11 16 00-0651 EA 3" Crimped Copper 90 Degree Elbow.....	426.45	50.99
22 11 16 00-0652 EA 4" Crimped Copper 90 Degree Elbow.....	533.94	67.38
22 11 16 00-0653 Crimped Copper 45 Degree Elbows (22 11 16 00-0642)		
22 11 16 00-0654 EA 1/2" Crimped Copper 45 Degree Elbow.....	33.74	18.38
22 11 16 00-0655 EA 3/4" Crimped Copper 45 Degree Elbow.....	38.98	20.98
22 11 16 00-0656 EA 1" Crimped Copper 45 Degree Elbow.....	61.90	24.96
22 11 16 00-0657 EA 1-1/4" Crimped Copper 45 Degree Elbow.....	76.31	27.56
22 11 16 00-0658 EA 1-1/2" Crimped Copper 45 Degree Elbow.....	102.65	30.63
22 11 16 00-0659 EA 2" Crimped Copper 45 Degree Elbow.....	134.45	36.75
22 11 16 00-0660 EA 2-1/2" Crimped Copper 45 Degree Elbow.....	248.01	42.87
22 11 16 00-0661 EA 3" Crimped Copper 45 Degree Elbow.....	339.03	50.99
22 11 16 00-0662 EA 4" Crimped Copper 45 Degree Elbow.....	465.56	67.38
22 11 16 00-0663 Crimped Copper Straight Tees (22 11 16 00-0642)		
22 11 16 00-0664 EA 1/2" Crimped Copper Straight Tee.....	49.46	27.56
22 11 16 00-0665 EA 3/4" Crimped Copper Straight Tee.....	68.66	36.29
22 11 16 00-0666 EA 1" Crimped Copper Straight Tee.....	86.27	40.27
22 11 16 00-0667 EA 1-1/4" Crimped Copper Straight Tee.....	105.65	41.34
22 11 16 00-0668 EA 1-1/2" Crimped Copper Straight Tee.....	155.22	47.01
22 11 16 00-0669 EA 2" Crimped Copper Straight Tee.....	187.43	55.13
22 11 16 00-0670 EA 2-1/2" Crimped Copper Straight Tee.....	440.06	64.31
22 11 16 00-0671 EA 3" Crimped Copper Straight Tee.....	544.33	76.57
22 11 16 00-0672 EA 4" Crimped Copper Straight Tee.....	754.23	101.06
22 11 16 00-0673 Crimped Copper Reducing Tees (22 11 16 00-0642)		
22 11 16 00-0674 EA 3/4" Crimped Copper Reducing Tee.....	61.43	26.19
22 11 16 00-0675 EA 1" Crimped Copper Reducing Tee.....	90.83	34.46
22 11 16 00-0676 EA 1-1/4" Crimped Copper Reducing Tee.....	97.34	38.28
22 11 16 00-0677 EA 1-1/2" Crimped Copper Reducing Tee.....	134.22	39.35
22 11 16 00-0678 EA 2" Crimped Copper Reducing Tee.....	162.13	44.56
22 11 16 00-0679 EA 2-1/2" Crimped Copper Reducing Tee.....	480.19	50.53
22 11 16 00-0680 EA 3" Crimped Copper Reducing Tee.....	585.98	61.26
22 11 16 00-0681 EA 4" Crimped Copper Reducing Tee.....	684.65	81.62
22 11 16 00-0682 Crimped Copper Couplings (22 11 16 00-0642)		
22 11 16 00-0683 EA 1/2" Crimped Copper Coupling.....	32.34	18.38
22 11 16 00-0684 EA 3/4" Crimped Copper Coupling.....	38.63	20.98
22 11 16 00-0685 EA 1" Crimped Copper Coupling.....	52.16	24.96
22 11 16 00-0686 EA 1-1/4" Crimped Copper Coupling.....	59.54	27.56
22 11 16 00-0687 EA 1-1/2" Crimped Copper Coupling.....	79.85	30.63
22 11 16 00-0688 EA 2" Crimped Copper Coupling.....	98.41	36.75
22 11 16 00-0689 EA 2-1/2" Crimped Copper Coupling.....	202.82	42.87
22 11 16 00-0690 EA 3" Crimped Copper Coupling.....	252.96	50.99
22 11 16 00-0691 EA 4" Crimped Copper Coupling.....	345.99	67.38
22 11 16 00-0692 Crimped Copper Reducing Couplings (22 11 16 00-0642)		
22 11 16 00-0693 EA 3/4" Crimped Copper Reducing Coupling.....	47.92	17.46
22 11 16 00-0694 EA 1" Crimped Copper Reducing Coupling.....	54.78	19.90
22 11 16 00-0695 EA 1-1/4" Crimped Copper Reducing Coupling.....	71.89	23.73
22 11 16 00-0696 EA 1-1/2" Crimped Copper Reducing Coupling.....	92.69	26.19
22 11 16 00-0697 EA 2" Crimped Copper Reducing Coupling.....	103.70	29.09
22 11 16 00-0698 EA 2-1/2" Crimped Copper FTG x C Reducing Coupling.....	215.68	34.76
22 11 16 00-0699 EA 3" Crimped Copper FTG x C Reducing Coupling.....	269.96	40.88
22 11 16 00-0700 EA 4" Crimped Copper FTG x C Reducing Coupling.....	350.42	54.06
22 11 16 00-0701 Crimped Copper Male Adapters (22 11 16 00-0642)		
22 11 16 00-0702 EA 1/2" Crimped Copper Male Adapter.....	33.40	18.38
22 11 16 00-0703 EA 3/4" Crimped Copper Male Adapter.....	41.98	20.98
22 11 16 00-0704 EA 1" Crimped Copper Male Adapter.....	56.94	24.96
22 11 16 00-0705 EA 1-1/4" Crimped Copper Male Adapter.....	83.90	27.56
22 11 16 00-0706 EA 1-1/2" Crimped Copper Male Adapter.....	105.65	30.63
22 11 16 00-0707 EA 2" Crimped Copper Male Adapter.....	170.11	36.75
22 11 16 00-0708 EA 2-1/2" Crimped Copper Male Adapter.....	342.41	42.87
22 11 16 00-0709 EA 3" Crimped Copper Male Adapter.....	426.45	50.99
22 11 16 00-0710 EA 4" Crimped Copper Male Adapter.....	506.06	67.38
22 11 16 00-0711 Crimped Copper Female Adapters (22 11 16 00-0642)		
22 11 16 00-0712 EA 1/2" Crimped Copper Female Adapter.....	34.62	18.38
22 11 16 00-0713 EA 3/4" Crimped Copper Female Adapter.....	42.88	20.98
22 11 16 00-0714 EA 1" Crimped Copper Female Adapter.....	58.71	24.96
22 11 16 00-0715 EA 1-1/4" Crimped Copper Female Adapter.....	89.21	27.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0716 EA 1-1/2" Crimped Copper Female Adapter.....	115.54	30.63
22 11 16 00-0717 EA 2" Crimped Copper Female Adapter.....	173.30	36.75
22 11 16 00-0718 Crimped Copper Caps (22 11 16 00-0642)		
22 11 16 00-0719 EA 1/2" Crimped Copper Cap.....	24.02	9.19
22 11 16 00-0720 EA 3/4" Crimped Copper Cap.....	33.38	10.72
22 11 16 00-0721 EA 1" Crimped Copper Cap.....	45.05	12.25
22 11 16 00-0722 EA 1-1/4" Crimped Copper Cap.....	50.88	13.78
22 11 16 00-0723 EA 1-1/2" Crimped Copper Cap.....	70.54	15.77
22 11 16 00-0724 EA 2" Crimped Copper Cap.....	84.43	18.38
22 11 16 00-0725 EA 2-1/2" Crimped Copper Cap.....	214.00	21.44
22 11 16 00-0726 EA 3" Crimped Copper Cap.....	268.41	25.57
22 11 16 00-0727 EA 4" Crimped Copper Cap.....	357.20	33.68
22 11 16 00-0728 C x F NPT Crimped Bronze Unions (22 11 16 00-0642)		
22 11 16 00-0729 EA 1/2" C x F NPT Crimped Bronze Union.....	67.55	24.96
22 11 16 00-0730 EA 3/4" C x F NPT Crimped Bronze Union.....	84.59	30.78
22 11 16 00-0731 EA 1" C x F NPT Crimped Bronze Union.....	119.23	36.90
22 11 16 00-0732 EA 1-1/4" C x F NPT Crimped Bronze Union.....	144.92	42.57
22 11 16 00-0733 EA 1-1/2" C x F NPT Crimped Bronze Union.....	189.66	41.66
22 11 16 00-0734 EA 2" C x F NPT Crimped Bronze Union.....	258.86	60.33
22 11 16 00-0735 C x C Crimped Bronze Unions (22 11 16 00-0642)		
22 11 16 00-0736 EA 1/2" C x C Bronze Crimped Union.....	65.00	18.38
22 11 16 00-0737 EA 3/4" C x C Bronze Crimped Union.....	80.48	20.98
22 11 16 00-0738 EA 1" C x C Bronze Crimped Union.....	115.93	24.96
22 11 16 00-0739 EA 1-1/4" C x C Bronze Crimped Union.....	153.32	27.56
22 11 16 00-0740 EA 1-1/2" C x C Bronze Crimped Union.....	198.02	30.63
22 11 16 00-0741 EA 2" C x C Bronze Crimped Union.....	303.48	36.75
22 11 16 00-0742 C x Flange Crimped Bronze Flange (22 11 16 00-0642)		
22 11 16 00-0743 EA 2-1/2" C x Flange Crimped Bronze Flange.....	596.07	42.87
22 11 16 00-0744 EA 3" C x Flange Crimped Bronze Flange.....	648.92	50.99
22 11 16 00-0745 EA 4" C x Flange Crimped Bronze Flange.....	741.79	67.38
22 11 16 00-0746 Field Installed FKM Seals (22 11 16 00-0642)		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0747 EA 1/2" Field Installed FKM Seal.....	9.90	
Note: To be used in conjunction with fittings.		
22 11 16 00-0748 EA 3/4" Field Installed FKM Seal.....	12.63	
Note: To be used in conjunction with fittings.		
22 11 16 00-0749 EA 1" Field Installed FKM Seal.....	14.50	
Note: To be used in conjunction with fittings.		
22 11 16 00-0750 EA 1-1/4" Field Installed FKM Seal.....	16.70	
Note: To be used in conjunction with fittings.		
22 11 16 00-0751 EA 1-1/2" Field Installed FKM Seal.....	23.89	
Note: To be used in conjunction with fittings.		
22 11 16 00-0752 EA 2" Field Installed FKM Seal.....	26.49	
Note: To be used in conjunction with fittings.		
22 11 16 00-0753 EA 2-1/2" Field Installed FKM Seal.....	40.28	
Note: To be used in conjunction with fittings.		
22 11 16 00-0754 EA 3" Field Installed FKM Seal.....	46.16	
Note: To be used in conjunction with fittings.		
22 11 16 00-0755 EA 4" Field Installed FKM Seal.....	63.06	
Note: To be used in conjunction with fittings.		
22 11 16 00-0756 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0368)		
22 11 16 00-0757 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	15.31	
22 11 16 00-0758 EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	16.54	
22 11 16 00-0759 EA 1", Cut And Prepare Existing In Place Copper Pipe.....	18.61	
22 11 16 00-0760 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	19.52	
22 11 16 00-0761 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	20.67	
22 11 16 00-0762 EA 2", Cut And Prepare Existing In Place Copper Pipe.....	22.75	
22 11 16 00-0763 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	24.51	
22 11 16 00-0764 EA 3", Cut And Prepare Existing In Place Copper Pipe.....	28.94	
22 11 16 00-0765 EA 4", Cut And Prepare Existing In Place Copper Pipe.....	39.05	
22 11 16 00-0766 EA 6", Cut And Prepare Existing In Place Copper Pipe.....	55.81	
22 11 16 00-0767 EA 8", Cut And Prepare Existing In Place Copper Pipe.....	74.43	
22 11 16 00-0768 Sweat Brass Companion Flanges (22 11 16 00-0368)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0769 EA 1" Sweat Brass Companion Flange.....	82.80	23.54
22 11 16 00-0770 EA 1-1/4" Sweat Brass Companion Flange.....	90.40	25.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0771 EA 1-1/2" Sweat Brass Companion Flange	128.37	28.20
22 11 16 00-0772 EA 2" Sweat Brass Companion Flange	171.13	31.29
22 11 16 00-0773 EA 2-1/2" Sweat Brass Companion Flange	212.22	37.64
22 11 16 00-0774 EA 3" Sweat Brass Companion Flange	235.27	49.34
22 11 16 00-0775 EA 4" Sweat Brass Companion Flange	313.14	58.79
22 11 16 00-0776 EA 5" Sweat Brass Companion Flange	578.38	65.67
22 11 16 00-0777 EA 6" Sweat Brass Companion Flange	669.11	95.41
22 11 16 00-0778 EA 8" Copper Companion Flange.....	1,533.83	136.10
22 11 16 00-0779 Brass Compression Fittings (22 11 16 00-0368)		
22 11 16 00-0780 Brass Compression Unions (22 11 16 00-0779)		
22 11 16 00-0781 EA 1/4" Brass Compression Union	25.88	16.54
22 11 16 00-0782 EA 3/8" Brass Compression Union	26.18	16.54
22 11 16 00-0783 EA 1/2" Brass Compression Union	27.09	16.54
22 11 16 00-0784 EA 5/8" Brass Compression Union	27.52	16.54
22 11 16 00-0785 EA 3/4" Brass Compression Union	35.67	16.54
22 11 16 00-0786 EA 3/8" x 1/4" Brass Compression Union	26.38	16.54
22 11 16 00-0787 EA 1/2" x 3/8" Brass Compression Union	27.16	16.54
22 11 16 00-0788 EA 5/8" x 3/8" Brass Compression Union	27.70	16.54
22 11 16 00-0789 EA 5/8" x 1/2" Brass Compression Union	28.57	16.54
22 11 16 00-0790 Brass Compression Union Elbows (22 11 16 00-0779)		
22 11 16 00-0791 EA 1/4" Brass Compression Union Elbow	27.09	16.54
22 11 16 00-0792 EA 3/8" Brass Compression Union Elbow	27.58	16.54
22 11 16 00-0793 EA 1/2" Brass Compression Union Elbow	28.67	16.54
22 11 16 00-0794 EA 5/8" Brass Compression Union Elbow	30.35	16.54
22 11 16 00-0795 EA 3/4" Brass Compression Union Elbow	36.90	16.54
22 11 16 00-0796 EA 3/8" x 1/4" Brass Compression Union Elbow	27.58	16.54
22 11 16 00-0797 EA 1/2" x 3/8" Brass Compression Union Elbow	28.67	16.54
22 11 16 00-0798 EA 5/8" x 3/8" Brass Compression Union Elbow	28.97	16.54
22 11 16 00-0799 EA 5/8" x 1/2" Brass Compression Union Elbow	33.90	16.54
22 11 16 00-0800 Brass Compression Union Tees (22 11 16 00-0779)		
22 11 16 00-0801 EA 1/4" Brass Compression Union Tee.....	27.46	16.54
22 11 16 00-0802 EA 3/8" Brass Compression Union Tee.....	28.49	16.54
22 11 16 00-0803 EA 1/2" Brass Compression Union Tee.....	29.57	16.54
22 11 16 00-0804 EA 5/8" Brass Compression Union Tee.....	32.99	16.54
22 11 16 00-0805 EA 3/4" Brass Compression Union Tee.....	44.83	16.54
22 11 16 00-0806 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	29.21	16.54
22 11 16 00-0807 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	34.77	16.54
22 11 16 00-0808 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	34.23	16.54
22 11 16 00-0809 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	34.86	16.54
22 11 16 00-0810 Brass Compression Male Connectors (22 11 16 00-0779)		
22 11 16 00-0811 EA 1/4" Brass Compression Male Connector	25.66	16.54
22 11 16 00-0812 EA 3/8" Brass Compression Male Connector	26.06	16.54
22 11 16 00-0813 EA 1/2" Brass Compression Male Connector	26.74	16.54
22 11 16 00-0814 EA 5/8" Brass Compression Male Connector	27.77	16.54
22 11 16 00-0815 EA 3/4" Brass Compression Male Connector	32.39	16.38
22 11 16 00-0816 Brass Compression Female Connectors (22 11 16 00-0779)		
22 11 16 00-0817 EA 1/4" Brass Compression Female Connector	26.09	16.54
22 11 16 00-0818 EA 3/8" Brass Compression Female Connector	26.61	16.54
22 11 16 00-0819 EA 1/2" Brass Compression Female Connector	27.48	16.54
22 11 16 00-0820 EA 5/8" Brass Compression Female Connector	27.98	16.54
22 11 16 00-0821 EA 3/4" Brass Compression Female Connector	39.94	16.23
22 11 16 00-0822 Dielectric Fittings (22 11 16 00-0368)		
22 11 16 00-0823 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0824 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union	62.43	36.75
22 11 16 00-0825 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union	70.09	41.96
22 11 16 00-0826 EA 1" Copper x Female Iron Pipe Thread Dielectric Union	81.78	46.11
22 11 16 00-0827 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	96.94	50.75
22 11 16 00-0828 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	115.09	56.39
22 11 16 00-0829 EA 2" Copper x Female Iron Pipe Thread Dielectric Union	144.49	67.68
22 11 16 00-0830 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0831 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	67.04	36.75
22 11 16 00-0832 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	77.68	41.96
22 11 16 00-0833 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	91.79	46.11
22 11 16 00-0834 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	110.22	50.75



	Plumbing	22
	Plumbing Piping	22 10
	Facility Water Distribution	22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0835	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	131.52	56.39
22 11 16 00-0836	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union	163.76	67.68
22 11 16 00-0837			Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0838	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	64.12	36.75
22 11 16 00-0839	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	72.86	41.96
22 11 16 00-0840	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	82.51	46.11
22 11 16 00-0841	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	94.37	50.75
22 11 16 00-0842	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	112.55	56.39
22 11 16 00-0843	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	142.45	67.68
22 11 16 00-0844			Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)		
22 11 16 00-0845	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	355.69	173.97
22 11 16 00-0846	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	445.81	219.08
22 11 16 00-0847	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	623.97	298.17
22 11 16 00-0848			Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)		
22 11 16 00-0849	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	357.57	173.97
22 11 16 00-0850	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	460.93	219.08
22 11 16 00-0851	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	798.32	298.17
22 11 16 00-0852			Brass Push-Fit Fittings (22 11 16)		
22 11 16 00-0853	EA		1/4" x 1/4" Brass Push-Fit Coupling	31.08	15.31
			Note: (Sharkbite)		
22 11 16 00-0854	EA		3/8" x 3/8" Brass Push-Fit Coupling	37.83	16.33
			Note: (Sharkbite)		
22 11 16 00-0855	EA		1/2" x 1/2" Brass Push-Fit Coupling	39.61	18.38
			Note: (Sharkbite)		
22 11 16 00-0856	EA		5/8" x 5/8" Brass Push-Fit Coupling	45.17	19.60
			Note: (Sharkbite)		
22 11 16 00-0857	EA		3/4" x 3/4" Brass Push-Fit Coupling	46.30	20.93
			Note: (Sharkbite)		
22 11 16 00-0858	EA		1" x 1" Brass Push-Fit Coupling.....	63.86	25.01
			Note: (Sharkbite)		
22 11 16 00-0859	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	38.72	17.35
			Note: (Sharkbite)		
22 11 16 00-0860	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	44.52	18.99
			Note: (Sharkbite)		
22 11 16 00-0861	EA		1" x 3/4" Brass Push-Fit Reducing Coupling.....	64.86	22.97
			Note: (Sharkbite)		
22 11 16 00-0862	EA		1/4" x 1/4" Brass Push-Fit Elbow	32.25	15.31
			Note: (Sharkbite)		
22 11 16 00-0863	EA		3/8" x 3/8" Brass Push-Fit Elbow	42.83	16.33
			Note: (Sharkbite)		
22 11 16 00-0864	EA		1/2" x 1/2" Brass Push-Fit Elbow	40.25	18.38
			Note: (Sharkbite)		
22 11 16 00-0865	EA		5/8" x 5/8" Brass Push-Fit Elbow	48.07	19.60
			Note: (Sharkbite)		
22 11 16 00-0866	EA		3/4" x 3/4" Brass Push-Fit Elbow	45.47	20.93
			Note: (Sharkbite)		
22 11 16 00-0867	EA		1" x 1" Brass Push-Fit Elbow	64.50	25.01
			Note: (Sharkbite)		
22 11 16 00-0868	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow	38.19	17.35
			Note: (Sharkbite)		
22 11 16 00-0869	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow	42.45	18.99
			Note: (Sharkbite)		
22 11 16 00-0870	EA		1" x 3/4" Brass Push-Fit Reducing Elbow	79.16	22.97
			Note: (Sharkbite)		
22 11 16 00-0871	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee.....	48.86	22.97
			Note: (Sharkbite)		
22 11 16 00-0872	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee.....	60.60	24.50
			Note: (Sharkbite)		
22 11 16 00-0873	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee.....	56.91	27.56
			Note: (Sharkbite)		
22 11 16 00-0874	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee.....	70.88	29.40
			Note: (Sharkbite)		
22 11 16 00-0875	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee.....	66.17	31.39
			Note: (Sharkbite)		
22 11 16 00-0876	EA		1" x 1" x 1" Brass Push-Fit Tee.....	88.98	37.51
			Note: (Sharkbite)		
22 11 16 00-0877	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee.....	62.52	26.03
			Note: (Sharkbite)		
22 11 16 00-0878	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee.....	62.97	26.54
			Note: (Sharkbite)		
22 11 16 00-0879	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee.....	63.84	30.12
			Note: (Sharkbite)		
22 11 16 00-0880	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee.....	86.08	35.48
			Note: (Sharkbite)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0881 EA 1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	36.62	16.85
22 11 16 00-0882 EA 3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	36.38	17.35
22 11 16 00-0883 EA 1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	36.29	18.38
22 11 16 00-0884 EA 3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	41.52	20.93
22 11 16 00-0885 EA 1" x 1" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	57.14	25.01
22 11 16 00-0886 EA 1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	32.61	16.85
22 11 16 00-0887 EA 3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	36.38	17.35
22 11 16 00-0888 EA 1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	36.37	18.38
22 11 16 00-0889 EA 3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	41.16	20.93
22 11 16 00-0890 EA 5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	44.05	20.25
22 11 16 00-0891 EA 1" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	52.49	22.97
22 11 16 00-0892 EA 1" x 1" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	57.88	25.01
22 11 16 00-0893 EA 1/2" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	50.15	18.38
22 11 16 00-0894 EA 3/4" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	58.49	20.93
22 11 16 00-0895 EA 1" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	76.53	25.01
22 11 16 00-0896 EA 1/2" Brass Push-Fit Check Valve..... Note: (Sharkbite)	53.38	18.38
22 11 16 00-0897 EA 3/4" Brass Push-Fit Check Valve..... Note: (Sharkbite)	63.93	20.93
22 11 16 00-0898 EA 1" Brass Push-Fit Check Valve..... Note: (Sharkbite)	104.82	25.01
22 11 16 00-0899 Copper Pipe With Fittings And Hangers Assemblies ^(22 11 16) Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0900 LF 1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	29.94	4.29
<i>For Type K Tubing Instead Of Type L, Add</i>	2.00	
<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.68	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.89	
<i>For For Brazed Fittings, Add</i>	0.96	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.69	
<i>For Work In Restricted Working Space, Add</i>	7.19	
22 11 16 00-0901 LF 3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	34.69	5.51
<i>For Type K Tubing Instead Of Type L, Add</i>	2.40	
<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.99	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.45	
<i>For For Brazed Fittings, Add</i>	1.09	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.09	
<i>For Work In Restricted Working Space, Add</i>	8.15	
22 11 16 00-0902 LF 1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	38.33	6.58
<i>For Type K Tubing Instead Of Type L, Add</i>	2.86	
<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.32	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.76	
<i>For For Brazed Fittings, Add</i>	1.14	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.34	
<i>For Work In Restricted Working Space, Add</i>	8.54	
22 11 16 00-0903 LF 1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	43.28	7.66
<i>For Type K Tubing Instead Of Type L, Add</i>	3.58	
<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.83	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.12	
<i>For For Brazed Fittings, Add</i>	1.18	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.64	
<i>For Work In Restricted Working Space, Add</i>	8.87	
<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0904 LF 1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	48.26 4.18 -3.27 5.57 1.26 -3.99 9.46 -1.67	8.73
22 11 16 00-0905 LF 2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	61.04 5.77 -4.42 6.68 1.45 -4.87 10.88 -2.48	10.88
22 11 16 00-0906 LF 2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	75.19 7.88 -5.91 7.65 1.56 -5.70 11.67 -3.63	13.11
22 11 16 00-0907 LF 3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	91.67 10.32 -7.63 8.80 1.69 -6.69 12.64 -4.95	15.22
22 11 16 00-0908 LF 4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	143.25 17.66 -12.83 12.61 2.18 -9.89 16.34 -8.88	20.16
22 11 16 00-0909 LF 5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	255.25 35.12 -25.04 19.75 2.80 -16.26 20.98 -18.53	25.10
22 11 16 00-0910 LF 6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	333.65 46.25 -32.93 25.56 3.55 -21.12 26.64 -24.48	30.31
22 11 16 00-0911 LF 8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	725.78 111.74 -78.26 47.33 4.41 -41.81 33.11 -61.54	36.23
22 11 16 00-0912 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0913 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0912)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0914 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe <small>(22 11 16 00-0913)</small>		
22 11 16 00-0915 LF 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.87 1.69	2.25
22 11 16 00-0916 LF 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.36 1.78	2.37
22 11 16 00-0917 LF 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	12.89 1.91	2.55
22 11 16 00-0918 LF 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.97 2.09	2.78
22 11 16 00-0919 LF 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	18.58 2.31	3.08
22 11 16 00-0920 LF 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	23.68 2.58	3.44
22 11 16 00-0921 LF 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	32.85 2.93	3.90
22 11 16 00-0922 LF 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	42.37 3.46	4.63
22 11 16 00-0923 LF 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	59.42 4.26	5.68
22 11 16 00-0924 LF 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	105.53 5.42	7.22
22 11 16 00-0925 LF 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	152.69 7.10	9.47
22 11 16 00-0926 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows <small>(22 11 16 00-0913)</small>		
22 11 16 00-0927 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	31.86 8.04	10.72
22 11 16 00-0928 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	41.73 10.15	13.54
22 11 16 00-0929 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	54.91 12.73	16.91
22 11 16 00-0930 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	77.02 15.90	21.15
22 11 16 00-0931 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	85.76 17.60	23.40
22 11 16 00-0932 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	101.96 19.62	23.40
22 11 16 00-0933 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	169.64 22.33	29.74
22 11 16 00-0934 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	191.41 26.39	35.25
22 11 16 00-0935 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	280.78 32.48	43.28
22 11 16 00-0936 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	353.83 41.28	54.98
22 11 16 00-0937 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	709.68 54.14	72.18
22 11 16 00-0938 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows <small>(22 11 16 00-0913)</small>		
22 11 16 00-0939 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	34.39 8.04	10.72
22 11 16 00-0940 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.76 10.15	13.54
22 11 16 00-0941 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	59.84 12.73	16.91
22 11 16 00-0942 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	83.49 15.90	21.15
22 11 16 00-0943 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	93.65 17.60	23.40
22 11 16 00-0944 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	104.64 19.62	26.23
22 11 16 00-0945 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	171.33 22.33	29.74
22 11 16 00-0946 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	191.20 26.39	35.25
22 11 16 00-0947 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	249.88 32.48	43.28
22 11 16 00-0948 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	411.78 41.28	54.98
22 11 16 00-0949 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	750.73 54.14	72.18
22 11 16 00-0950 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees <small>(22 11 16 00-0913)</small>		
22 11 16 00-0951 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	49.41 12.05	16.07
22 11 16 00-0952 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	65.47 15.23	20.30
22 11 16 00-0953 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	81.82 19.12	25.52



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0954	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	117.67 23.85	31.86
22 11 16 00-0955	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	131.70 26.39	35.25
22 11 16 00-0956	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	163.35 29.44	39.20
22 11 16 00-0957	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	218.81 33.50	44.69
22 11 16 00-0958	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	248.55 39.59	52.72
22 11 16 00-0959	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	300.14 48.72	64.99
22 11 16 00-0960	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	475.51 61.92	82.62
22 11 16 00-0961	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	1,041.14 81.20	108.27
22 11 16 00-0962			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses <small>(22 11 16 00-0913)</small>		
22 11 16 00-0963	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	61.52 16.07	21.43
22 11 16 00-0964	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	80.36 20.30	27.07
22 11 16 00-0965	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	100.46 25.46	33.98
22 11 16 00-0966	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	138.89 31.81	42.44
22 11 16 00-0967	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	154.97 35.19	46.95
22 11 16 00-0968	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	187.01 39.25	52.30
22 11 16 00-0969	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	241.17 44.66	59.49
22 11 16 00-0970	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	276.37 52.79	70.35
22 11 16 00-0971	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	335.18 64.97	86.56
22 11 16 00-0972	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	507.00 82.56	110.11
22 11 16 00-0973	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	1,024.53 108.27	144.36
22 11 16 00-0974			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts <small>(22 11 16 00-0913)</small>		
22 11 16 00-0975	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	27.85 7.45	9.86
22 11 16 00-0976	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	39.34 10.03	13.39
22 11 16 00-0977	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	70.74 13.11	17.48
22 11 16 00-0978	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	80.26 14.51	19.32
22 11 16 00-0979	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	95.90 16.20	21.57
22 11 16 00-0980	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	103.37 18.44	24.53
22 11 16 00-0981	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	126.26 21.78	29.04
22 11 16 00-0982	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	175.37 26.82	35.67
22 11 16 00-0983	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	296.64 34.05	45.39
22 11 16 00-0984	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	699.93 44.66	59.49
22 11 16 00-0985			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts <small>(22 11 16 00-0913)</small>		
22 11 16 00-0986	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	37.48 5.29	7.05
22 11 16 00-0987	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	46.23 7.45	9.86
22 11 16 00-0988	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	56.37 10.03	13.39
22 11 16 00-0989	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	69.26 13.11	17.48
22 11 16 00-0990	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	82.44 14.51	19.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0991 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	106.74	21.57
<i>For Work In Restricted Working Space, Add</i>	16.20	
22 11 16 00-0992 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	174.21	24.53
<i>For Work In Restricted Working Space, Add</i>	18.44	
22 11 16 00-0993 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	367.07	29.04
<i>For Work In Restricted Working Space, Add</i>	21.78	
22 11 16 00-0994 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	553.49	35.67
<i>For Work In Restricted Working Space, Add</i>	26.82	
22 11 16 00-0995 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <small>(22 11 16 00-0913)</small>		
22 11 16 00-0996 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	25.22	7.05
<i>For Work In Restricted Working Space, Add</i>	5.29	
22 11 16 00-0997 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	35.10	9.86
<i>For Work In Restricted Working Space, Add</i>	7.45	
22 11 16 00-0998 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	50.74	13.39
<i>For Work In Restricted Working Space, Add</i>	10.03	
22 11 16 00-0999 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	69.26	17.48
<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-1000 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	82.94	19.32
<i>For Work In Restricted Working Space, Add</i>	14.51	
22 11 16 00-1001 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	100.76	21.57
<i>For Work In Restricted Working Space, Add</i>	16.20	
22 11 16 00-1002 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	149.98	24.53
<i>For Work In Restricted Working Space, Add</i>	18.44	
22 11 16 00-1003 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	179.63	29.04
<i>For Work In Restricted Working Space, Add</i>	21.78	
22 11 16 00-1004 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	270.35	35.67
<i>For Work In Restricted Working Space, Add</i>	26.82	
22 11 16 00-1005 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0913)</small>		
22 11 16 00-1006 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	28.12	7.05
<i>For Work In Restricted Working Space, Add</i>	5.29	
22 11 16 00-1007 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	36.02	9.86
<i>For Work In Restricted Working Space, Add</i>	7.45	
22 11 16 00-1008 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	50.98	13.39
<i>For Work In Restricted Working Space, Add</i>	10.03	
22 11 16 00-1009 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	70.11	17.48
<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-1010 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	79.06	19.32
<i>For Work In Restricted Working Space, Add</i>	14.51	
22 11 16 00-1011 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	97.59	21.57
<i>For Work In Restricted Working Space, Add</i>	16.20	
22 11 16 00-1012 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	151.82	24.53
<i>For Work In Restricted Working Space, Add</i>	18.44	
22 11 16 00-1013 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	211.60	29.04
<i>For Work In Restricted Working Space, Add</i>	21.78	
22 11 16 00-1014 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	324.71	35.67
<i>For Work In Restricted Working Space, Add</i>	26.82	
22 11 16 00-1015 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0913)</small>		
22 11 16 00-1016 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	22.55	6.49
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-1017 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	31.71	9.02
<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-1018 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	42.64	12.13
<i>For Work In Restricted Working Space, Add</i>	9.09	
22 11 16 00-1019 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	58.14	15.93
<i>For Work In Restricted Working Space, Add</i>	11.93	
22 11 16 00-1020 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	67.15	17.62
<i>For Work In Restricted Working Space, Add</i>	13.19	
22 11 16 00-1021 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	75.96	19.60
<i>For Work In Restricted Working Space, Add</i>	14.72	
22 11 16 00-1022 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	120.33	22.27
<i>For Work In Restricted Working Space, Add</i>	16.75	
22 11 16 00-1023 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	131.12	26.37
<i>For Work In Restricted Working Space, Add</i>	19.79	
22 11 16 00-1024 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	166.54	32.43
<i>For Work In Restricted Working Space, Add</i>	24.36	
22 11 16 00-1025 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	271.56	41.31
<i>For Work In Restricted Working Space, Add</i>	30.96	
22 11 16 00-1026 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	476.50	54.14
<i>For Work In Restricted Working Space, Add</i>	40.60	
22 11 16 00-1027 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0913)</small>		
22 11 16 00-1028 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	46.92	7.75
<i>For Work In Restricted Working Space, Add</i>	5.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1029	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	56.01 8.12	10.86
22 11 16 00-1030	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	66.23 10.91	14.52
22 11 16 00-1031	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	117.86 14.30	19.04
22 11 16 00-1032	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	124.19 15.82	21.15
22 11 16 00-1033	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	177.51 17.68	23.54
22 11 16 00-1034	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	312.84 20.09	26.79
22 11 16 00-1035	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	450.81 23.77	31.72
22 11 16 00-1036	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	729.10 29.23	38.91
22 11 16 00-1037	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	976.91 37.13	49.48
22 11 16 00-1038	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	1,204.53 48.72	64.99
22 11 16 00-1039			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0913)</small>		
22 11 16 00-1040	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	20.27 3.02	6.63
22 11 16 00-1041	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	27.19 3.81	8.32
22 11 16 00-1042	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	41.55 4.78	10.43
22 11 16 00-1043	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	47.98 5.96	7.89
22 11 16 00-1044	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	50.65 6.60	8.74
22 11 16 00-1045	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	70.67 7.36	9.86
22 11 16 00-1046	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	111.00 8.37	11.14
22 11 16 00-1047	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	117.98 9.90	13.25
22 11 16 00-1048	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	183.97 12.18	16.21
22 11 16 00-1049	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	408.31 15.48	20.58
22 11 16 00-1050	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	525.72 20.30	27.07
22 11 16 00-1051			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <small>(22 11 16 00-0913)</small>		
22 11 16 00-1052	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	37.48 3.85	5.08
22 11 16 00-1053	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	44.46 5.42	7.19
22 11 16 00-1054	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	53.67 7.27	9.72
22 11 16 00-1055	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	62.14 9.56	12.69
22 11 16 00-1056	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	66.23 10.58	14.10
22 11 16 00-1057	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	80.40 11.76	15.65
22 11 16 00-1058	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	108.99 13.41	17.91
22 11 16 00-1059	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	122.85 15.82	21.15
22 11 16 00-1060	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	153.85 19.50	25.94
22 11 16 00-1061	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	222.32 24.79	32.99
22 11 16 00-1062	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	423.44 32.48	43.28
22 11 16 00-1063			Cross-Linked Polyethylene Tubing, ASTM F877 <small>(22 11 16)</small> Note: Aboveground, domestic water usage.		
22 11 16 00-1064			Cross-Linked Polyethylene Tubing <small>(22 11 16 00-1063)</small>		
22 11 16 00-1065	LF		3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	6.55 1.33	
22 11 16 00-1066	LF		1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	7.15 1.44	
22 11 16 00-1067	LF		3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	9.49 1.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1068	LF	1" Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	12.86 1.64	
22 11 16 00-1069		Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1063) Note: Aboveground, domestic water usage.		
22 11 16 00-1070		Male Adapters (22 11 16 00-1069)		
22 11 16 00-1071	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.69 6.89	
22 11 16 00-1072	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.89 7.35	
22 11 16 00-1073	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.76 7.81	
22 11 16 00-1074	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.29 8.27	
22 11 16 00-1075	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.76 7.81	
22 11 16 00-1076	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	44.25 9.19	
22 11 16 00-1077		Female Adapters (22 11 16 00-1069)		
22 11 16 00-1078	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.56 7.35	
22 11 16 00-1079	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.60 7.81	
22 11 16 00-1080	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	37.13 8.27	
22 11 16 00-1081	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.60 7.81	
22 11 16 00-1082	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	45.08 9.19	
22 11 16 00-1083		Tube Adapters (22 11 16 00-1069)		
22 11 16 00-1084	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.98 6.89	
22 11 16 00-1085	EA	1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.51 7.35	
22 11 16 00-1086	EA	3/4" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.12 8.27	
22 11 16 00-1087	EA	1" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	42.54 9.19	
22 11 16 00-1088		Plugs (22 11 16 00-1069)		
22 11 16 00-1089	EA	3/8" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	13.06 3.22	
22 11 16 00-1090	EA	1/2" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	14.59 3.68	
22 11 16 00-1091	EA	3/4" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.79 4.13	
22 11 16 00-1092	EA	1" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.87 4.59	
22 11 16 00-1093		Tees (22 11 16 00-1069)		
22 11 16 00-1094	EA	3/8" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	37.05 9.65	
22 11 16 00-1095	EA	1/2" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	41.64 11.03	
22 11 16 00-1096	EA	3/4" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	49.57 12.40	
22 11 16 00-1097	EA	1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	63.57 13.78	
22 11 16 00-1098	EA	1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	40.11 10.57	
22 11 16 00-1099	EA	3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	46.51 11.48	
22 11 16 00-1100	EA	1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	57.63 12.40	
22 11 16 00-1101		Couplings (22 11 16 00-1069)		
22 11 16 00-1102	EA	3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.95 6.43	
22 11 16 00-1103	EA	1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.17 7.35	
22 11 16 00-1104	EA	3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.07 8.27	
22 11 16 00-1105	EA	1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	38.02 9.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1106	EA		3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.54 7.81	
22 11 16 00-1107	EA		1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.48 8.73	
22 11 16 00-1108			Fitting Reducers (22 11 16 00-1069)		
22 11 16 00-1109	EA		3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.48 6.89	
22 11 16 00-1110	EA		1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.01 7.35	
22 11 16 00-1111	EA		3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	34.12 8.27	
22 11 16 00-1112	EA		1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	48.26 9.19	
22 11 16 00-1113			90 Degree Elbows (22 11 16 00-1069)		
22 11 16 00-1114	EA		3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.45 6.43	
22 11 16 00-1115	EA		1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.51 7.35	
22 11 16 00-1116	EA		3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	34.12 8.27	
22 11 16 00-1117	EA		3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.59 7.81	
22 11 16 00-1118	EA		1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	38.95 7.35	
22 11 16 00-1119	EA		3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	43.52 8.27	
22 11 16 00-1120	EA		3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	41.99 7.81	
22 11 19			Domestic Water Piping Specialties (22 11)		
22 11 19 00-0001			Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002			General Purpose Hose (22 11 19 00-0001) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF		3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.96	3.05
22 11 19 00-0004	LF		1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.71	3.05
22 11 19 00-0005	LF		5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	14.30	3.05
22 11 19 00-0006	LF		3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	14.43	3.05
22 11 19 00-0007	LF		1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	19.67	4.58
22 11 19 00-0008	LF		1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	32.52	4.58
22 11 19 00-0009	LF		1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	35.37	6.10
22 11 19 00-0010	LF		2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	67.74	6.10
22 11 19 00-0011			Reinforced EPDM Water Hose Assembly (22 11 19 00-0001) Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF		1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	89.90	6.10
22 11 19 00-0013	LF		2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	106.07	6.10
22 11 19 00-0014	LF		3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	149.12	7.50
22 11 19 00-0015	LF		4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	209.46	10.14
22 11 19 00-0016			Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0017	EA		50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,439.44	346.60
22 11 19 00-0018	EA		50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,928.35	346.60
22 11 19 00-0019			Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0020	EA		2" Inside Diameter, 20' Rubber Discharge Hose.....	767.30	93.19
22 11 19 00-0021	EA		2" Inside Diameter, 20' Rubber Intake Hose.....	812.24	93.19
22 11 19 00-0022			Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)		
22 11 19 00-0023	EA		3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	36.71	12.81
22 11 19 00-0024	EA		1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	39.02	13.73
22 11 19 00-0025	EA		5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	41.75	14.64
22 11 19 00-0026	EA		3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	47.39	16.47
22 11 19 00-0027	EA		1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	56.91	20.14
22 11 19 00-0028	EA		1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	67.61	24.10
22 11 19 00-0029	EA		1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	87.45	31.72
22 11 19 00-0030	EA		2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	109.94	39.65



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0031	Worm-Drive Hose Clamp <small>(22 11 19 00-0001)</small>		
22 11 19 00-0032	EA 3/8" To 1" Diameter Worm Drive Hose Clamp.....	16.68	4.58
22 11 19 00-0033	EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	17.62	4.58
22 11 19 00-0034	EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	18.61	4.58
22 11 19 00-0035	EA 3/4" To 2" Diameter Worm Drive Hose Clamp.....	19.80	4.58
22 11 19 00-0036	EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	21.13	4.58
22 11 19 00-0037	EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	22.94	6.10
22 11 19 00-0038	EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	24.72	6.10
22 11 19 00-0039	Trap Primer And Accessories <small>(22 11 19)</small>		
22 11 19 00-0040	Trap Primer <small>(22 11 19 00-0039)</small>		
22 11 19 00-0041	EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	332.59	22.97
22 11 19 00-0042	EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	204.70	15.31
22 11 19 00-0043	EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	198.52	15.31
22 11 19 00-0044	Trap Primer Distribution Unit <small>(22 11 19 00-0039)</small>		
22 11 19 00-0045	EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)..... Note: Can be used for two, three or four drains.	182.12	30.63
22 11 19 00-0046	EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)..... Note: Can be used for two, three or four drains.	198.74	30.63
22 11 19 00-0047	Trap Primer Manifold <small>(22 11 19 00-0039)</small>		
22 11 19 00-0048	EA Two Outlet Trap Primer Manifold.....	268.42	41.19
22 11 19 00-0049	EA Four Outlet Trap Primer Manifold.....	401.66	46.86
22 11 19 00-0050	EA Six Outlet Trap Primer Manifold.....	531.01	49.62
22 11 19 00-0051	EA Eight Outlet Trap Primer Manifold.....	666.76	58.19
22 11 19 00-0052	Sewage Air Release Valves <small>(22 11 19)</small>		
22 11 19 00-0053	Cast Iron, Sewage Air Release Valves <small>(22 11 19 00-0052)</small> Note: Stainless steel float.		
22 11 19 00-0054	EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... <i>For Back Flush Attachment, Add</i>	981.15 650.00	55.91
22 11 19 00-0055	EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... <i>For Back Flush Attachment, Add</i>	1,216.62 650.00	93.44
22 11 19 00-0056	EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... <i>For Back Flush Attachment, Add</i>	1,542.48 650.00	117.95
22 11 19 00-0057	Cast Iron, Sewage Air Vacuum Valves <small>(22 11 19 00-0052)</small> Note: Stainless steel float.		
22 11 19 00-0058	EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)..... <i>For Back Flush Attachment, Add</i>	1,001.85 650.00	55.91
22 11 19 00-0059	EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)..... <i>For Back Flush Attachment, Add</i>	1,938.45 650.00	55.91
22 11 19 00-0060	EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)..... <i>For Back Flush Attachment, Add</i>	2,339.50 650.00	93.44
22 11 19 00-0061	EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	3,454.49	117.95
22 11 19 00-0062	Cast Iron, Sewage Combination Air Valves <small>(22 11 19 00-0052)</small> Note: Stainless steel float.		
22 11 19 00-0063	EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	2,109.22	55.91
22 11 19 00-0064	EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,898.34	55.91
22 11 19 00-0065	EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	3,405.47	93.44
22 11 19 00-0066	EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	4,166.00	117.95
22 11 19 00-0067	Brass, Anti Siphon Vacuum Breakers <small>(22 11 19)</small> Note: Watts 288A		
22 11 19 00-0068	EA 1/2" Brass, Anti Siphon Vacuum Breaker.....	129.17	38.28
22 11 19 00-0069	EA 3/4" Brass, Anti Siphon Vacuum Breaker.....	147.87	42.87
22 11 19 00-0070	EA 1" Brass, Anti Siphon Vacuum Breaker.....	288.45	49.00
22 11 19 00-0071	EA 1-1/4" Brass, Anti Siphon Vacuum Breaker.....	450.91	56.66
22 11 19 00-0072	EA 1-1/2" Brass, Anti Siphon Vacuum Breaker.....	538.03	62.79
22 11 19 00-0073	EA 2" Brass, Anti Siphon Vacuum Breaker.....	781.23	76.57
22 11 19 00-0074	EA 2-1/2" Brass, Anti Siphon Vacuum Breaker.....	2,009.84	95.71
22 11 19 00-0075	Anti Siphon Pressure Vacuum Breakers <small>(22 11 19)</small> Note: Watts 800M4QT		
22 11 19 00-0076	EA 1/2" Anti Siphon Pressure Type Vacuum Breaker.....	351.97	38.28
22 11 19 00-0077	EA 3/4" Anti Siphon Pressure Type Vacuum Breaker.....	311.04	42.87
22 11 19 00-0078	EA 1" Anti Siphon Pressure Type Vacuum Breaker.....	440.00	49.00
22 11 19 00-0079	EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	784.32	56.66



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0080	EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker	954.10	62.79
	22 11 19 00-0081	EA 2" Anti Siphon Pressure Type Vacuum Breaker	967.60	76.57
22 11 19 00-0082		Bellows Type Water Hammer Arrestors <small>(22 11 19)</small>		
	22 11 19 00-0083	EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5005).....	172.54	18.31
	22 11 19 00-0084	EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5010).....	321.39	22.15
	22 11 19 00-0085	EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5020).....	458.06	22.15
	22 11 19 00-0086	EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5030).....	1,081.98	22.15
	22 11 19 00-0087	EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5040).....	1,212.15	22.15
	22 11 19 00-0088	EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5050).....	1,479.78	22.15
22 11 19 00-0089		Piston Type Water Hammer Arrestors <small>(22 11 19)</small>		
22 11 19 00-0090		Threaded Piston Type Water Hammer Arrestors <small>(22 11 19 00-0089)</small>		
	22 11 19 00-0091	EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	190.77	10.21
	22 11 19 00-0092	EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	364.24	11.77
	22 11 19 00-0093	EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	540.01	12.76
	22 11 19 00-0094	EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,324.33	16.47
	22 11 19 00-0095	EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,613.08	20.42
	22 11 19 00-0096	EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,835.27	22.15
22 11 19 00-0097		Wall Hydrants <small>(22 11 19)</small> Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0098		Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0097)</small> Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
	22 11 19 00-0099	EA 6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> 54.58 <i>For 1" NPT Outlet, Add</i> 128.65	1,069.34	38.28
	22 11 19 00-0100	EA 12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> 54.58 <i>For 1" NPT Outlet, Add</i> 128.65	1,127.02	45.94
	22 11 19 00-0101	EA 18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> 54.58 <i>For 1" NPT Outlet, Add</i> 128.65	1,158.39	55.28
22 11 19 00-0102		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0097)</small> Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
	22 11 19 00-0103	EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> 54.58 <i>For 1" NPT Outlet, Add</i> 128.65	1,076.02	64.31
22 11 19 00-0104		Cast Bronze Non-Freezing Wall Hydrant <small>(22 11 19 00-0097)</small> Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
	22 11 19 00-0105	EA 3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i> 128.65	580.68	47.47
	22 11 19 00-0106	EA 4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i> 128.65	718.89	47.47
	22 11 19 00-0107	EA 6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i> 128.65	718.89	47.47
	22 11 19 00-0108	EA 8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i> 128.65	718.89	47.47
	22 11 19 00-0109	EA 10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i> 128.65	751.05	95.71
	22 11 19 00-0110	EA 12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i> 128.65	751.05	95.71
	22 11 19 00-0111	EA 18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i> 128.65	847.26	95.71
22 11 19 00-0112		Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0097)</small> Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
	22 11 19 00-0113	EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	533.06	38.28
	22 11 19 00-0114	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	581.28	38.28
	22 11 19 00-0115	EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	587.85	38.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0116 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	660.18	38.28
22 11 19 00-0117 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	928.97	53.60
Note: Includes hot and cold hose connections.		
22 11 19 00-0118 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	957.46	53.60
Note: Includes hot and cold hose connections.		
22 11 19 00-0119 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	957.46	53.60
Note: Includes hot and cold hose connections.		
22 11 19 00-0120 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	1,025.40	53.60
Note: Includes hot and cold hose connections.		
22 11 19 00-0121 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0122 Dryer Vent Kit (22 11 19 00-0121)		
Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0123 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	99.84	19.90
22 11 19 00-0124 Washer Boxes And Dryer Vents (22 11 19 00-0121)		
Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0125 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	359.88	30.63
22 11 19 00-0126 Ice Maker Outlet Box (22 11 19)		
Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0127 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	190.02	30.63
22 11 19 00-0128 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	192.95	30.63
22 11 19 00-0129 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	269.31	30.63
22 11 19 00-0130 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0131 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130)		
Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0132 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	588.09	37.07
22 11 19 00-0133 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	158.55	37.07
22 11 19 00-0134 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	338.23	37.07
22 11 19 00-0135 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	389.84	49.93
22 11 19 00-0136 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130)		
Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0137 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,587.09	53.46
22 11 19 00-0138 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,782.64	65.84
22 11 19 00-0139 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,142.55	76.59
22 11 19 00-0140 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130).....	2,773.43	80.49
22 11 19 00-0141 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200).....	3,722.70	104.43
22 11 19 00-0142 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130)		
Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0143 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,034.61	82.33
22 11 19 00-0144 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080).....	5,248.85	95.73
22 11 19 00-0145 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	6,119.14	100.62
22 11 19 00-0146 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,783.12	130.55
22 11 19 00-0147 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0130)		
Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0148 EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	1,155.59	53.46
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0149 EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	1,361.16	65.83
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0150 EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	1,671.95	76.59
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0151 EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	2,041.37	80.52
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0152 EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	3,029.45	104.43
Note: For hot water or two pipe low pressure steam.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0153			Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0130)</small> Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0154	EA		3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,329.09	76.57
22 11 19 00-0155	EA		1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,538.04	96.47
22 11 19 00-0156	EA		1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,904.69	116.38
22 11 19 00-0157	EA		1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	4,304.81	136.29
22 11 19 00-0158	EA		2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,104.96	179.17
22 11 19 00-0159	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	6,005.51	204.28
22 11 19 00-0160			Thermostatic Mixing Valves (Holby) <small>(22 11 19 00-0130)</small>		
22 11 19 00-0161	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	5,376.57	104.46
22 11 19 00-0162			Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0163			Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0162)</small>		
22 11 19 00-0164			Threaded Double Check Valve Assemblies <small>(22 11 19 00-0163)</small>		
22 11 19 00-0165			Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0164)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0166	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	479.64	41.04
			<i>For Work In Restricted Working Space, Add</i>	30.78	
			<i>For Owner Furnished Material, Deduct</i>	-377.04	
22 11 19 00-0167	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	571.11	58.19
			<i>For Work In Restricted Working Space, Add</i>	43.64	
			<i>For Owner Furnished Material, Deduct</i>	-425.64	
22 11 19 00-0168	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	660.56	71.05
			<i>For Work In Restricted Working Space, Add</i>	53.29	
			<i>For Owner Furnished Material, Deduct</i>	-482.93	
22 11 19 00-0169	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	916.23	82.69
			<i>For Work In Restricted Working Space, Add</i>	62.02	
			<i>For Owner Furnished Material, Deduct</i>	-709.50	
22 11 19 00-0170	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,130.45	94.94
			<i>For Work In Restricted Working Space, Add</i>	70.75	
			<i>For Owner Furnished Material, Deduct</i>	-894.63	
22 11 19 00-0171	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,309.27	122.50
			<i>For Work In Restricted Working Space, Add</i>	91.88	
			<i>For Owner Furnished Material, Deduct</i>	-1,003.00	
22 11 19 00-0172			Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0164)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0173	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	587.53	41.04
			<i>For Work In Restricted Working Space, Add</i>	30.78	
			<i>For Owner Furnished Material, Deduct</i>	-484.93	
22 11 19 00-0174	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	729.13	58.19
			<i>For Work In Restricted Working Space, Add</i>	43.64	
			<i>For Owner Furnished Material, Deduct</i>	-583.66	
22 11 19 00-0175	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	854.28	71.05
			<i>For Work In Restricted Working Space, Add</i>	53.29	
			<i>For Owner Furnished Material, Deduct</i>	-676.65	
22 11 19 00-0176	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,192.26	82.69
			<i>For Work In Restricted Working Space, Add</i>	62.02	
			<i>For Owner Furnished Material, Deduct</i>	-985.53	
22 11 19 00-0177	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,455.55	94.94
			<i>For Work In Restricted Working Space, Add</i>	70.75	
			<i>For Owner Furnished Material, Deduct</i>	-1,219.73	
22 11 19 00-0178	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,758.11	122.50
			<i>For Work In Restricted Working Space, Add</i>	91.88	
			<i>For Owner Furnished Material, Deduct</i>	-1,451.84	
22 11 19 00-0179			Flanged Double Check Valve Assemblies <small>(22 11 19 00-0163)</small>		
22 11 19 00-0180			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0181	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,291.57	338.36
			<i>For Work In Restricted Working Space, Add</i>	135.34	
			<i>For Owner Furnished Material, Deduct</i>	-5,840.43	
22 11 19 00-0182	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,913.88	380.65
			<i>For Work In Restricted Working Space, Add</i>	150.14	
			<i>For Owner Furnished Material, Deduct</i>	-6,413.40	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0183		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0179) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0184	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	6,885.21	338.36
		<i>For Work In Restricted Working Space, Add</i>	135.34	
		<i>For Owner Furnished Material, Deduct</i>	-6,434.07	
22 11 19 00-0185	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	7,903.28	380.65
		<i>For Work In Restricted Working Space, Add</i>	150.14	
		<i>For Owner Furnished Material, Deduct</i>	-7,402.80	
22 11 19 00-0186		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs ^(22 11 19 00-0179) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0187	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,334.36	338.36
		<i>For Work In Restricted Working Space, Add</i>	135.33	
		<i>For Owner Furnished Material, Deduct</i>	-5,883.25	
22 11 19 00-0188	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	4,861.76	380.65
		<i>For Work In Restricted Working Space, Add</i>	150.15	
		<i>For Owner Furnished Material, Deduct</i>	-4,361.27	
22 11 19 00-0189	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	7,604.96	563.93
		<i>For Work In Restricted Working Space, Add</i>	225.45	
		<i>For Owner Furnished Material, Deduct</i>	-6,853.46	
22 11 19 00-0190	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	11,527.11	774.47
		<i>For Work In Restricted Working Space, Add</i>	419.72	
		<i>For Owner Furnished Material, Deduct</i>	-10,128.06	
22 11 19 00-0191	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	26,183.91	1,161.71
		<i>For Work In Restricted Working Space, Add</i>	629.67	
		<i>For Owner Furnished Material, Deduct</i>	-24,085.01	
22 11 19 00-0192	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	33,603.55	1,374.06
		<i>For Work In Restricted Working Space, Add</i>	749.49	
		<i>For Owner Furnished Material, Deduct</i>	-31,105.26	
22 11 19 00-0193		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer ^(22 11 19 00-0179) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0194	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	8,858.62	563.93
		<i>For Work In Restricted Working Space, Add</i>	225.43	
		<i>For Owner Furnished Material, Deduct</i>	-8,107.19	
22 11 19 00-0195	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	14,677.72	774.47
		<i>For Work In Restricted Working Space, Add</i>	419.72	
		<i>For Owner Furnished Material, Deduct</i>	-13,278.67	
22 11 19 00-0196	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	38,978.49	1,374.06
		<i>For Work In Restricted Working Space, Add</i>	749.49	
		<i>For Owner Furnished Material, Deduct</i>	-36,480.20	
22 11 19 00-0197		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0179) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0198	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	6,722.74	338.36
		<i>For Work In Restricted Working Space, Add</i>	135.33	
		<i>For Owner Furnished Material, Deduct</i>	-6,271.63	
22 11 19 00-0199	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	7,387.90	380.65
		<i>For Work In Restricted Working Space, Add</i>	150.14	
		<i>For Owner Furnished Material, Deduct</i>	-6,887.42	
22 11 19 00-0200	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	8,059.72	563.93
		<i>For Work In Restricted Working Space, Add</i>	225.43	
		<i>For Owner Furnished Material, Deduct</i>	-7,308.29	
22 11 19 00-0201	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	13,460.90	774.47
		<i>For Work In Restricted Working Space, Add</i>	419.72	
		<i>For Owner Furnished Material, Deduct</i>	-12,061.85	
22 11 19 00-0202	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	27,789.56	1,161.71
		<i>For Work In Restricted Working Space, Add</i>	629.57	
		<i>For Owner Furnished Material, Deduct</i>	-25,690.99	
22 11 19 00-0203	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	35,675.73	1,374.06
		<i>For Work In Restricted Working Space, Add</i>	749.49	
		<i>For Owner Furnished Material, Deduct</i>	-33,177.44	
22 11 19 00-0204		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0179) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0205	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,039.69	338.36
		<i>For Work In Restricted Working Space, Add</i>	135.33	
		<i>For Owner Furnished Material, Deduct</i>	-3,588.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0206 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,448.12	380.65
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-3,947.64	
22 11 19 00-0207 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	5,058.14	563.93
<i>For Work In Restricted Working Space, Add</i>	225.43	
<i>For Owner Furnished Material, Deduct</i>	-4,306.71	
22 11 19 00-0208 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	8,133.19	774.47
<i>For Work In Restricted Working Space, Add</i>	419.72	
<i>For Owner Furnished Material, Deduct</i>	-6,734.14	
22 11 19 00-0209 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	15,412.53	1,161.71
<i>For Work In Restricted Working Space, Add</i>	629.57	
<i>For Owner Furnished Material, Deduct</i>	-13,313.96	
22 11 19 00-0210 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	16,745.17	1,374.06
<i>For Work In Restricted Working Space, Add</i>	749.49	
<i>For Owner Furnished Material, Deduct</i>	-14,246.88	
22 11 19 00-0211 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0212 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,312.99	338.36
<i>For Work In Restricted Working Space, Add</i>	135.33	
<i>For Owner Furnished Material, Deduct</i>	-4,861.88	
22 11 19 00-0213 EA 3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,721.42	380.65
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-5,220.94	
22 11 19 00-0214 EA 4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	7,185.87	563.93
<i>For Work In Restricted Working Space, Add</i>	225.43	
<i>For Owner Furnished Material, Deduct</i>	-6,434.44	
22 11 19 00-0215 EA 6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	11,695.11	774.47
<i>For Work In Restricted Working Space, Add</i>	419.72	
<i>For Owner Furnished Material, Deduct</i>	-10,296.06	
22 11 19 00-0216 EA 8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	20,691.66	1,161.71
<i>For Work In Restricted Working Space, Add</i>	629.57	
<i>For Owner Furnished Material, Deduct</i>	-18,593.09	
22 11 19 00-0217 EA 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	24,622.95	1,374.06
<i>For Work In Restricted Working Space, Add</i>	749.49	
<i>For Owner Furnished Material, Deduct</i>	-22,124.66	
22 11 19 00-0218 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves <small>(22 11 19 00-0179)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0219 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	3,786.43	338.36
<i>For Work In Restricted Working Space, Add</i>	135.33	
<i>For Owner Furnished Material, Deduct</i>	-3,335.32	
22 11 19 00-0220 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,206.38	380.65
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-3,705.90	
22 11 19 00-0221 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,827.77	563.93
<i>For Work In Restricted Working Space, Add</i>	225.43	
<i>For Owner Furnished Material, Deduct</i>	-4,076.34	
22 11 19 00-0222 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	7,952.22	774.47
<i>For Work In Restricted Working Space, Add</i>	419.72	
<i>For Owner Furnished Material, Deduct</i>	-6,553.17	
22 11 19 00-0223 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	15,238.13	1,161.71
<i>For Work In Restricted Working Space, Add</i>	629.57	
<i>For Owner Furnished Material, Deduct</i>	-13,139.56	
22 11 19 00-0224 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	17,232.12	1,374.06
<i>For Work In Restricted Working Space, Add</i>	749.49	
<i>For Owner Furnished Material, Deduct</i>	-14,733.83	
22 11 19 00-0225 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0226 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	4,952.96	338.36
<i>For Work In Restricted Working Space, Add</i>	135.33	
<i>For Owner Furnished Material, Deduct</i>	-4,501.85	
22 11 19 00-0227 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,361.40	380.65
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-4,860.92	
22 11 19 00-0228 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	6,826.29	563.93
<i>For Work In Restricted Working Space, Add</i>	225.43	
<i>For Owner Furnished Material, Deduct</i>	-6,074.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0229 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	11,312.12	774.47
<i>For Work In Restricted Working Space, Add</i>	419.72	
<i>For Owner Furnished Material, Deduct</i>	-9,913.07	
22 11 19 00-0230 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	20,111.97	1,161.71
<i>For Work In Restricted Working Space, Add</i>	629.57	
<i>For Owner Furnished Material, Deduct</i>	-18,013.40	
22 11 19 00-0231 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	24,041.57	1,374.06
<i>For Work In Restricted Working Space, Add</i>	749.49	
<i>For Owner Furnished Material, Deduct</i>	-21,543.28	
22 11 19 00-0232 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0179) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0233 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,385.39	338.36
<i>For Work In Restricted Working Space, Add</i>	135.33	
<i>For Owner Furnished Material, Deduct</i>	-3,934.28	
22 11 19 00-0234 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,793.82	380.65
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-4,293.34	
22 11 19 00-0235 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,403.84	563.93
<i>For Work In Restricted Working Space, Add</i>	225.43	
<i>For Owner Furnished Material, Deduct</i>	-4,652.41	
22 11 19 00-0236 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	8,487.60	774.47
<i>For Work In Restricted Working Space, Add</i>	419.72	
<i>For Owner Furnished Material, Deduct</i>	-7,088.55	
22 11 19 00-0237 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	15,766.94	1,161.71
<i>For Work In Restricted Working Space, Add</i>	629.57	
<i>For Owner Furnished Material, Deduct</i>	-13,668.37	
22 11 19 00-0238 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0179) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0239 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series).....	5,658.69	338.36
<i>For Work In Restricted Working Space, Add</i>	135.33	
<i>For Owner Furnished Material, Deduct</i>	-5,207.58	
22 11 19 00-0240 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	6,067.12	380.65
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-5,566.64	
22 11 19 00-0241 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	7,531.57	563.93
<i>For Work In Restricted Working Space, Add</i>	225.43	
<i>For Owner Furnished Material, Deduct</i>	-6,780.14	
22 11 19 00-0242 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	12,049.60	774.47
<i>For Work In Restricted Working Space, Add</i>	419.72	
<i>For Owner Furnished Material, Deduct</i>	-10,650.55	
22 11 19 00-0243 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	15,766.94	1,161.71
<i>For Work In Restricted Working Space, Add</i>	629.57	
<i>For Owner Furnished Material, Deduct</i>	-13,668.37	
22 11 19 00-0244 Grooved Double Check Valve Assemblies (22 11 19 00-0163)		
22 11 19 00-0245 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0244) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0246 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	3,786.43	180.45
<i>For Work In Restricted Working Space, Add</i>	135.33	
<i>For Owner Furnished Material, Deduct</i>	-3,335.32	
22 11 19 00-0247 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	4,206.38	200.19
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-3,705.90	
22 11 19 00-0248 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0244) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0249 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	4,952.96	180.45
<i>For Work In Restricted Working Space, Add</i>	135.33	
<i>For Owner Furnished Material, Deduct</i>	-4,501.85	
22 11 19 00-0250 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,361.40	200.19
<i>For Work In Restricted Working Space, Add</i>	150.14	
<i>For Owner Furnished Material, Deduct</i>	-4,860.92	
22 11 19 00-0251 Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0162)		
22 11 19 00-0252 Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0251)		
22 11 19 00-0253 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0254	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	527.35	35.52
			<i>For Work In Restricted Working Space, Add</i>	26.65	
			<i>For Owner Furnished Material, Deduct</i>	-438.53	
22 11 19 00-0255	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	557.83	39.20
			<i>For Work In Restricted Working Space, Add</i>	29.40	
			<i>For Owner Furnished Material, Deduct</i>	-459.82	
22 11 19 00-0256	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	647.30	41.04
			<i>For Work In Restricted Working Space, Add</i>	30.78	
			<i>For Owner Furnished Material, Deduct</i>	-544.70	
22 11 19 00-0257	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	870.91	58.19
			<i>For Work In Restricted Working Space, Add</i>	43.64	
			<i>For Owner Furnished Material, Deduct</i>	-725.44	
22 11 19 00-0258	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,034.36	71.05
			<i>For Work In Restricted Working Space, Add</i>	53.29	
			<i>For Owner Furnished Material, Deduct</i>	-856.73	
22 11 19 00-0259	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,550.68	82.69
			<i>For Work In Restricted Working Space, Add</i>	62.02	
			<i>For Owner Furnished Material, Deduct</i>	-1,343.95	
22 11 19 00-0260	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,642.98	94.94
			<i>For Work In Restricted Working Space, Add</i>	70.75	
			<i>For Owner Furnished Material, Deduct</i>	-1,407.16	
22 11 19 00-0261	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,976.09	122.50
			<i>For Work In Restricted Working Space, Add</i>	91.88	
			<i>For Owner Furnished Material, Deduct</i>	-1,669.82	
22 11 19 00-0262			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0262)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0263	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	580.44	35.52
			<i>For Work In Restricted Working Space, Add</i>	26.65	
			<i>For Owner Furnished Material, Deduct</i>	-491.62	
22 11 19 00-0264	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	613.78	39.20
			<i>For Work In Restricted Working Space, Add</i>	29.40	
			<i>For Owner Furnished Material, Deduct</i>	-515.77	
22 11 19 00-0265	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	723.97	58.19
			<i>For Work In Restricted Working Space, Add</i>	30.78	
			<i>For Owner Furnished Material, Deduct</i>	-621.37	
22 11 19 00-0266	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	991.41	58.19
			<i>For Work In Restricted Working Space, Add</i>	43.64	
			<i>For Owner Furnished Material, Deduct</i>	-845.94	
22 11 19 00-0267	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,185.02	71.05
			<i>For Work In Restricted Working Space, Add</i>	53.29	
			<i>For Owner Furnished Material, Deduct</i>	-1,007.39	
22 11 19 00-0268	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,756.15	82.69
			<i>For Work In Restricted Working Space, Add</i>	62.02	
			<i>For Owner Furnished Material, Deduct</i>	-1,549.42	
22 11 19 00-0269	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,932.95	94.94
			<i>For Work In Restricted Working Space, Add</i>	70.75	
			<i>For Owner Furnished Material, Deduct</i>	-1,697.13	
22 11 19 00-0270	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	2,331.84	122.50
			<i>For Work In Restricted Working Space, Add</i>	91.88	
			<i>For Owner Furnished Material, Deduct</i>	-2,025.57	
22 11 19 00-0271			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0271)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0272	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	870.91	58.19
			<i>For Work In Restricted Working Space, Add</i>	43.64	
			<i>For Owner Furnished Material, Deduct</i>	-725.44	
22 11 19 00-0273	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,034.36	71.05
			<i>For Work In Restricted Working Space, Add</i>	53.29	
			<i>For Owner Furnished Material, Deduct</i>	-856.73	
22 11 19 00-0274	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,550.68	82.69
			<i>For Work In Restricted Working Space, Add</i>	62.02	
			<i>For Owner Furnished Material, Deduct</i>	-1,343.95	
22 11 19 00-0275	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,642.98	94.94
			<i>For Work In Restricted Working Space, Add</i>	70.75	
			<i>For Owner Furnished Material, Deduct</i>	-1,407.16	
22 11 19 00-0276	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,976.09	122.50
			<i>For Work In Restricted Working Space, Add</i>	91.88	
			<i>For Owner Furnished Material, Deduct</i>	-1,669.82	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0277		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0278	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	991.41	58.19
		<i>For Work In Restricted Working Space, Add</i>	43.64	
		<i>For Owner Furnished Material, Deduct</i>	-845.94	
22 11 19 00-0279	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,185.02	71.05
		<i>For Work In Restricted Working Space, Add</i>	53.29	
		<i>For Owner Furnished Material, Deduct</i>	-1,007.39	
22 11 19 00-0280	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,756.15	82.69
		<i>For Work In Restricted Working Space, Add</i>	62.02	
		<i>For Owner Furnished Material, Deduct</i>	-1,549.42	
22 11 19 00-0281	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,932.95	94.94
		<i>For Work In Restricted Working Space, Add</i>	70.75	
		<i>For Owner Furnished Material, Deduct</i>	-1,697.13	
22 11 19 00-0282	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,331.84	122.50
		<i>For Work In Restricted Working Space, Add</i>	91.88	
		<i>For Owner Furnished Material, Deduct</i>	-2,025.57	
22 11 19 00-0283		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0252)</small>		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0284	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,765.87	58.19
		<i>For Work In Restricted Working Space, Add</i>	43.64	
		<i>For Owner Furnished Material, Deduct</i>	-1,620.40	
22 11 19 00-0285	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	2,091.29	71.05
		<i>For Work In Restricted Working Space, Add</i>	53.29	
		<i>For Owner Furnished Material, Deduct</i>	-1,913.66	
22 11 19 00-0286	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,204.75	82.69
		<i>For Work In Restricted Working Space, Add</i>	62.02	
		<i>For Owner Furnished Material, Deduct</i>	-2,998.02	
22 11 19 00-0287	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,467.08	94.94
		<i>For Work In Restricted Working Space, Add</i>	70.75	
		<i>For Owner Furnished Material, Deduct</i>	-3,231.26	
22 11 19 00-0288	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	4,028.56	122.50
		<i>For Work In Restricted Working Space, Add</i>	91.88	
		<i>For Owner Furnished Material, Deduct</i>	-3,722.29	
22 11 19 00-0289		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0290	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,368.20	58.19
		<i>For Work In Restricted Working Space, Add</i>	43.64	
		<i>For Owner Furnished Material, Deduct</i>	-2,222.73	
22 11 19 00-0291	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,816.10	71.05
		<i>For Work In Restricted Working Space, Add</i>	53.29	
		<i>For Owner Furnished Material, Deduct</i>	-2,638.47	
22 11 19 00-0292	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,280.65	82.69
		<i>For Work In Restricted Working Space, Add</i>	62.02	
		<i>For Owner Furnished Material, Deduct</i>	-4,073.92	
22 11 19 00-0293	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,678.01	94.94
		<i>For Work In Restricted Working Space, Add</i>	70.75	
		<i>For Owner Furnished Material, Deduct</i>	-4,442.19	
22 11 19 00-0294	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,561.94	122.50
		<i>For Work In Restricted Working Space, Add</i>	91.88	
		<i>For Owner Furnished Material, Deduct</i>	-5,255.67	
22 11 19 00-0295		Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0251)</small>		
22 11 19 00-0296		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0295)</small>		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0297	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	5,793.91	338.36
		<i>For Work In Restricted Working Space, Add</i>	135.34	
		<i>For Owner Furnished Material, Deduct</i>	-5,342.77	
22 11 19 00-0298	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,526.97	380.65
		<i>For Work In Restricted Working Space, Add</i>	150.14	
		<i>For Owner Furnished Material, Deduct</i>	-6,026.49	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0299 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0300 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	6,889.64	338.36
For Work In Restricted Working Space, Add	135.34	
For Owner Furnished Material, Deduct	-6,438.50	
22 11 19 00-0301 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,799.91	380.65
For Work In Restricted Working Space, Add	150.14	
For Owner Furnished Material, Deduct	-7,299.43	
22 11 19 00-0302 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0303 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,213.30	338.36
For Work In Restricted Working Space, Add	135.34	
For Owner Furnished Material, Deduct	-5,762.16	
22 11 19 00-0304 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	7,223.99	380.65
For Work In Restricted Working Space, Add	150.14	
For Owner Furnished Material, Deduct	-6,723.51	
22 11 19 00-0305 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0306 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	6,889.64	338.36
For Work In Restricted Working Space, Add	135.34	
For Owner Furnished Material, Deduct	-6,438.50	
22 11 19 00-0307 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,799.91	380.65
For Work In Restricted Working Space, Add	150.14	
For Owner Furnished Material, Deduct	-7,299.43	
22 11 19 00-0308 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0309 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	7,638.34	338.36
For Work In Restricted Working Space, Add	135.34	
For Owner Furnished Material, Deduct	-7,187.20	
22 11 19 00-0310 EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	8,835.09	380.65
For Work In Restricted Working Space, Add	150.14	
For Owner Furnished Material, Deduct	-8,334.61	
22 11 19 00-0311 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0312 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,885.87	338.36
For Work In Restricted Working Space, Add	135.33	
For Owner Furnished Material, Deduct	-9,434.76	
22 11 19 00-0313 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	11,228.86	380.65
For Work In Restricted Working Space, Add	150.15	
For Owner Furnished Material, Deduct	-10,728.37	
22 11 19 00-0314 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	14,163.07	563.93
For Work In Restricted Working Space, Add	225.45	
For Owner Furnished Material, Deduct	-13,411.57	
22 11 19 00-0315 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	21,445.37	774.47
For Work In Restricted Working Space, Add	587.64	
For Owner Furnished Material, Deduct	-19,486.58	
22 11 19 00-0316 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	35,526.81	1,161.71
For Work In Restricted Working Space, Add	881.45	
For Owner Furnished Material, Deduct	-32,588.63	
22 11 19 00-0317 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	45,661.19	1,374.06
For Work In Restricted Working Space, Add	749.49	
For Owner Furnished Material, Deduct	-43,162.90	
22 11 19 00-0318 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0319 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	10,646.38	338.36
For Work In Restricted Working Space, Add	135.33	
For Owner Furnished Material, Deduct	-10,195.27	
22 11 19 00-0320 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	12,029.23	380.65
For Work In Restricted Working Space, Add	150.14	
For Owner Furnished Material, Deduct	-11,528.75	
22 11 19 00-0321 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	15,390.16	563.93
For Work In Restricted Working Space, Add	225.43	
For Owner Furnished Material, Deduct	-14,638.73	
22 11 19 00-0322 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	23,195.44	774.47
For Work In Restricted Working Space, Add	419.72	
For Owner Furnished Material, Deduct	-21,796.39	
22 11 19 00-0323 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	37,538.89	1,161.71
For Work In Restricted Working Space, Add	629.57	
For Owner Furnished Material, Deduct	-35,440.32	
22 11 19 00-0324 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	50,896.87	1,374.06
For Work In Restricted Working Space, Add	749.49	
For Owner Furnished Material, Deduct	-48,398.58	
22 11 19 00-0325 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0295)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0326 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	10,512.00	338.36
For Work In Restricted Working Space, Add	135.33	
For Owner Furnished Material, Deduct	-10,060.89	
22 11 19 00-0327 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	11,946.55	380.65
For Work In Restricted Working Space, Add	150.15	
For Owner Furnished Material, Deduct	-11,446.06	
22 11 19 00-0328 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	15,055.01	563.93
For Work In Restricted Working Space, Add	225.45	
For Owner Furnished Material, Deduct	-14,303.51	
22 11 19 00-0329 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	22,185.85	774.47
For Work In Restricted Working Space, Add	419.72	
For Owner Furnished Material, Deduct	-20,786.80	
22 11 19 00-0330 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	36,860.78	1,161.71
For Work In Restricted Working Space, Add	629.57	
For Owner Furnished Material, Deduct	-34,762.21	
22 11 19 00-0331 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	48,537.10	1,374.06
For Work In Restricted Working Space, Add	749.49	
For Owner Furnished Material, Deduct	-46,038.81	
22 11 19 00-0332 Double Check Detector Assemblies (22 11 19 00-0162)		
22 11 19 00-0333 Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0332)		
22 11 19 00-0334 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0333)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0335 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,918.12	380.65
For Work In Restricted Working Space, Add	150.14	
For Owner Furnished Material, Deduct	-7,417.64	
22 11 19 00-0336 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,341.18	563.93
For Work In Restricted Working Space, Add	225.43	
For Owner Furnished Material, Deduct	-7,589.75	
22 11 19 00-0337 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	11,254.61	774.47
For Work In Restricted Working Space, Add	419.72	
For Owner Furnished Material, Deduct	-9,855.56	
22 11 19 00-0338 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	19,913.06	1,161.71
For Work In Restricted Working Space, Add	629.57	
For Owner Furnished Material, Deduct	-17,814.49	
22 11 19 00-0339 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	26,844.68	1,374.06
For Work In Restricted Working Space, Add	749.49	
For Owner Furnished Material, Deduct	-24,346.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0340 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0333)</small>		
<small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).</small>		
22 11 19 00-0341 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	5,946.38	338.36
<i>For Work In Restricted Working Space, Add</i>	<i>135.34</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-5,495.24</i>	
22 11 19 00-0342 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,354.42	380.65
<i>For Work In Restricted Working Space, Add</i>	<i>150.14</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-5,853.94</i>	
22 11 19 00-0343 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,972.93	563.93
<i>For Work In Restricted Working Space, Add</i>	<i>225.43</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-6,221.50</i>	
22 11 19 00-0344 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,477.59	774.47
<i>For Work In Restricted Working Space, Add</i>	<i>419.72</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-8,078.54</i>	
22 11 19 00-0345 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	16,701.26	1,161.71
<i>For Work In Restricted Working Space, Add</i>	<i>629.57</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-14,602.69</i>	
22 11 19 00-0346 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	19,698.31	1,374.06
<i>For Work In Restricted Working Space, Add</i>	<i>749.49</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-17,200.02</i>	
22 11 19 00-0347 Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0333)</small>		
<small>Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).</small>		
22 11 19 00-0348 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,292.16	338.36
<i>For Work In Restricted Working Space, Add</i>	<i>135.34</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-5,841.02</i>	
22 11 19 00-0349 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,700.19	380.65
<i>For Work In Restricted Working Space, Add</i>	<i>150.14</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-6,199.71</i>	
22 11 19 00-0350 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,318.63	563.93
<i>For Work In Restricted Working Space, Add</i>	<i>225.43</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-6,567.20</i>	
22 11 19 00-0351 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	9,832.01	774.47
<i>For Work In Restricted Working Space, Add</i>	<i>419.72</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-8,432.96</i>	
22 11 19 00-0352 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	16,276.04	1,161.71
<i>For Work In Restricted Working Space, Add</i>	<i>629.57</i>	
<i>For Owner Furnished Material, Deduct</i>	<i>-14,177.47</i>	
22 11 19 00-0353 Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0332)</small>		
22 11 19 00-0354 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0353)</small>		
<small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).</small>		
22 11 19 00-0355 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	5,837.21	338.36
<i>For Work In Restricted Working Space, Add</i>	<i>135.34</i>	
22 11 19 00-0356 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,245.29	380.65
<i>For Work In Restricted Working Space, Add</i>	<i>150.14</i>	
22 11 19 00-0357 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,863.80	563.93
<i>For Work In Restricted Working Space, Add</i>	<i>225.43</i>	
22 11 19 00-0358 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,368.46	774.47
<i>For Work In Restricted Working Space, Add</i>	<i>419.72</i>	
22 11 19 00-0359 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	16,592.21	1,161.71
<i>For Work In Restricted Working Space, Add</i>	<i>629.57</i>	
22 11 19 00-0360 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	19,589.11	1,374.06
<i>For Work In Restricted Working Space, Add</i>	<i>749.49</i>	
22 11 19 00-0361 Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0353)</small>		
<small>Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).</small>		
22 11 19 00-0362 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,182.95	338.36
<i>For Work In Restricted Working Space, Add</i>	<i>135.34</i>	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0363	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,590.99	380.65
			<i>For Work In Restricted Working Space, Add</i>	150.14	
22 11 19 00-0364	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	7,209.50	563.93
			<i>For Work In Restricted Working Space, Add</i>	225.43	
22 11 19 00-0365	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	9,722.80	774.47
			<i>For Work In Restricted Working Space, Add</i>	419.72	
22 11 19 00-0366	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)...	16,946.62	1,161.71
			<i>For Work In Restricted Working Space, Add</i>	629.57	
22 11 19 00-0367			Flanged Double Check Detector Assemblies (22 11 19 00-0332)		
22 11 19 00-0368			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs		
			<small>(22 11 19 00-0367)</small> <small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).</small>		
22 11 19 00-0369	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	5,639.67	338.36
			<i>For Work In Restricted Working Space, Add</i>	135.34	
			<i>For Owner Furnished Material, Deduct</i>	-5,188.53	
22 11 19 00-0370	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	6,816.63	380.65
			<i>For Work In Restricted Working Space, Add</i>	150.14	
			<i>For Owner Furnished Material, Deduct</i>	-6,316.15	
22 11 19 00-0371	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	7,603.85	563.93
			<i>For Work In Restricted Working Space, Add</i>	225.43	
			<i>For Owner Furnished Material, Deduct</i>	-6,852.42	
22 11 19 00-0372	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	9,600.46	774.47
			<i>For Work In Restricted Working Space, Add</i>	419.72	
			<i>For Owner Furnished Material, Deduct</i>	-8,201.41	
22 11 19 00-0373	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	16,923.44	1,161.71
			<i>For Work In Restricted Working Space, Add</i>	629.57	
			<i>For Owner Furnished Material, Deduct</i>	-14,824.87	
22 11 19 00-0374	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	22,758.74	1,374.06
			<i>For Work In Restricted Working Space, Add</i>	749.49	
			<i>For Owner Furnished Material, Deduct</i>	-20,260.45	
22 11 19 00-0375	EA		12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	30,317.79	1,648.87
			<i>For Work In Restricted Working Space, Add</i>	899.39	
			<i>For Owner Furnished Material, Deduct</i>	-27,319.84	
22 11 19 00-0376			Backflow Preventer Accessories (22 11 19 00-0162)		
22 11 19 00-0377			Air Gap (22 11 19 00-0376)		
22 11 19 00-0378	EA		Up To 1" Diameter Air Gap For Backflow Preventer.....	138.61	19.14
22 11 19 00-0379	EA		1-1/4" To 2" Diameter Air Gap For Backflow Preventer.....	170.33	22.97
22 11 19 00-0380	EA		2-1/2" To 3" Diameter Air Gap For Backflow Preventer.....	314.47	30.63
22 11 19 00-0381	EA		4" To 6" Diameter Air Gap For Backflow Preventer.....	619.02	53.60
22 11 19 00-0382	EA		8" To 10" Diameter Air Gap For Backflow Preventer.....	664.95	76.57
22 11 19 00-0383			Brass Test Cocks (22 11 19 00-0376)		
22 11 19 00-0384	EA		1/8" Or 1/4" Brass Test Cock.....	56.37	7.66
22 11 19 00-0385			Backflow Valve Enclosures (22 11 19 00-0162)		
22 11 19 00-0386			Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0385)		
			<small>Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.</small>		
22 11 19 00-0387	EA		19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,463.85	137.81
			<i>For Heated Enclosure, Add</i>	167.90	
22 11 19 00-0388	EA		27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,777.04	137.81
			<i>For Heated Enclosure, Add</i>	214.88	
22 11 19 00-0389	EA		27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,218.13	126.88
			<i>For Heated Enclosure, Add</i>	285.14	
22 11 19 00-0390	EA		33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,332.03	169.18
			<i>For Heated Enclosure, Add</i>	286.36	
22 11 19 00-0391	EA		39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,438.24	169.18
			<i>For Heated Enclosure, Add</i>	302.30	
22 11 19 00-0392	EA		47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,852.20	169.18
			<i>For Heated Enclosure, Add</i>	364.39	
22 11 19 00-0393	EA		39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	2,863.09	169.18
			<i>For Heated Enclosure, Add</i>	366.02	
22 11 19 00-0394	EA		47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	3,568.44	169.18
			<i>For Heated Enclosure, Add</i>	471.83	
22 11 19 00-0395	EA		70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	8,120.99	253.77
			<i>For Heated Enclosure, Add</i>	1,122.99	
22 11 19 00-0396	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	11,680.45	253.77
			<i>For Heated Enclosure, Add</i>	1,656.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0397	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	11,108.54 1,571.12	253.77
	22 11 19 00-0398	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	13,368.46 1,894.25	296.06
22 11 19 00-0399	One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0385)</small>					
	Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.					
	22 11 19 00-0400	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	742.10 136.17	36.75
	22 11 19 00-0401	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,030.78 193.90	36.75
	22 11 19 00-0402	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,292.80 247.28	33.84
	22 11 19 00-0403	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,951.86 379.09	33.84
	22 11 19 00-0404	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	5,051.40 989.13	63.44
	22 11 19 00-0405	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	6,895.13 1,357.88	63.44
	22 11 19 00-0406	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	4,593.87 897.63	63.44
	22 11 19 00-0407	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	5,198.46 1,018.54	63.44
	22 11 19 00-0408	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	8,131.54 1,605.16	63.44
22 11 19 00-0409	Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0385)</small>					
	Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.					
	22 11 19 00-0410	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,471.27 1,475.53 820.86 1,468.91	253.77
	22 11 19 00-0411	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,525.22 1,633.62 820.86 1,468.91	253.77
	22 11 19 00-0412	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,248.99 1,142.19 820.86 1,468.91	253.77
	22 11 19 00-0413	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,027.88 1,259.02 820.86 1,468.91	253.77
	22 11 19 00-0414	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,538.39 1,453.88 820.86 1,468.91	338.36
	22 11 19 00-0415	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,785.70 1,640.97 820.86 1,468.91	338.36
	22 11 19 00-0416	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,785.70 1,640.97 820.86 1,468.91	338.36
	22 11 19 00-0417	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,994.88 1,822.35 820.86 1,468.91	338.36
	22 11 19 00-0418	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,789.94 1,357.47 820.86 1,468.91	296.06
	22 11 19 00-0419	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,456.17 1,591.54 820.86 1,468.91	338.36
	22 11 19 00-0420	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,343.47 1,874.64 820.86 1,468.91	338.36
	22 11 19 00-0421	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,638.20 2,060.92 820.86 1,468.91	359.50
	22 11 19 00-0422	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,951.39 2,107.90 820.86 1,468.91	359.50

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0423 EA 125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	16,562.03	380.65
For Heated Enclosure, Add	2,341.56	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0424 EA 105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	17,185.69	380.65
For Heated Enclosure, Add	2,435.11	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0425 EA 72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	12,526.46	338.36
For Heated Enclosure, Add	1,752.09	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0426 EA 72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	13,335.30	338.36
For Heated Enclosure, Add	1,873.41	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0427 EA 72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	15,071.22	359.50
For Heated Enclosure, Add	2,125.87	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0428 EA 72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	18,223.30	380.65
For Heated Enclosure, Add	2,590.75	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0429 EA 118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	15,938.38	380.65
For Heated Enclosure, Add	2,248.01	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0430 EA 142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	19,109.52	401.80
For Heated Enclosure, Add	2,715.75	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0431 EA 118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	18,485.87	401.80
For Heated Enclosure, Add	2,622.21	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0432 EA 142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	21,379.21	422.94
For Heated Enclosure, Add	3,048.28	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0433 EA 142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	19,786.03	422.94
For Heated Enclosure, Add	2,809.30	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0434 EA 172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	23,049.78	444.09
For Heated Enclosure, Add	3,290.93	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0435 EA 142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	23,102.64	465.24
For Heated Enclosure, Add	3,290.93	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0436 EA 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,335.90	486.39
For Heated Enclosure, Add	3,917.99	
For One 24" Fluorescent Light Fixture, Add	820.86	
For Two 24" Fluorescent Light Fixture, Add	1,468.91	
22 11 19 00-0437 Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0438 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0437)</small>		
22 11 19 00-0439 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	78.40	15.31
22 11 19 00-0440 EA 3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	91.26	16.85
22 11 19 00-0441 EA 3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	22.74	11.49
22 11 19 00-0442 Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0437)</small>		
22 11 19 00-0443 EA 3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	238.37	46.86
22 11 19 00-0444 Antisiphon Freezeless Wall Faucet (Woodford 19CP) <small>(22 11 19 00-0437)</small>		
22 11 19 00-0445 EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet	163.37	38.28
22 11 19 00-0446 EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet	177.86	42.42
22 11 19 00-0447 EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet	188.52	44.87
22 11 19 00-0448 EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet	199.17	48.08
22 11 19 00-0449 EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet	209.99	50.99
22 11 19 00-0450 Escutcheons <small>(22 11 19)</small>		
22 11 19 00-0451 Brass Escutcheons <small>(22 11 19 00-0450)</small>		
22 11 19 00-0452 Shallow Brass Escutcheons <small>(22 11 19 00-0451)</small>		
22 11 19 00-0453 EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	15.45	3.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0454 EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	16.50	3.83
22 11 19 00-0455 Deep Bell Brass Escutcheons (22 11 19 00-0451)		
22 11 19 00-0456 EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	17.87	4.29
22 11 19 00-0457 EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	17.91	4.29
22 11 19 00-0458 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0451)		
22 11 19 00-0459 EA 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.22	3.83
22 11 19 00-0460 EA 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.46	3.83
22 11 19 00-0461 EA 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.83	3.83
22 11 19 00-0462 EA 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.16	3.83
22 11 19 00-0463 EA 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.64	4.59
22 11 19 00-0464 EA 1" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.94	4.59
22 11 19 00-0465 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	30.07	5.06
22 11 19 00-0466 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	31.50	5.36
22 11 19 00-0467 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew	44.63	6.12
22 11 19 00-0468 Plastic Escutcheons (22 11 19 00-0450)		
22 11 19 00-0469 Split-Ring White Plastic Escutcheons (22 11 19 00-0468)		
22 11 19 00-0470 EA 3/8" IPS, Split-Ring White Plastic Escutcheon.....	9.03	3.81
22 11 19 00-0471 EA 1/2" IPS, Split-Ring White Plastic Escutcheon.....	9.03	3.81
22 11 19 00-0472 EA 3/4" IPS, Split-Ring White Plastic Escutcheon.....	10.45	4.27
22 11 19 00-0473 EA 1" IPS, Split-Ring White Plastic Escutcheon.....	11.34	4.58
22 11 19 00-0474 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	12.22	5.04
22 11 19 00-0475 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	13.07	5.34
22 11 19 00-0476 EA 2" IPS, Split-Ring White Plastic Escutcheon.....	14.76	6.10
22 11 19 00-0477 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	18.46	6.56
22 11 19 00-0478 EA 3" IPS, Split-Ring White Plastic Escutcheon.....	22.17	6.86
22 11 19 00-0479 EA 4" IPS, Split-Ring White Plastic Escutcheon.....	26.64	7.63
22 11 19 00-0480 Chrome Plate Plastic Escutcheons (22 11 19 00-0468)		
22 11 19 00-0481 EA 1/2" IPS, Chrome Plate Plastic Escutcheon.....	11.45	3.81
22 11 19 00-0482 EA 3/4" IPS, Chrome Plate Plastic Escutcheon.....	12.52	4.27
22 11 19 00-0483 EA 1" IPS, Chrome Plate Plastic Escutcheon.....	14.00	4.58
22 11 19 00-0484 EA 1-1/4" IPS, Chrome Plate Plastic Escutcheon	15.48	5.04
22 11 19 00-0485 EA 1-1/2" IPS, Chrome Plate Plastic Escutcheon	16.35	5.34
22 11 19 00-0486 EA 2" IPS, Chrome Plate Plastic Escutcheon.....	20.35	6.10
22 11 19 00-0487 EA 2-1/2" IPS, Chrome Plate Plastic Escutcheon	28.53	6.56
22 11 19 00-0488 EA 3" IPS, Chrome Plate Plastic Escutcheon.....	29.61	6.86
22 11 19 00-0489 EA 4" IPS, Chrome Plate Plastic Escutcheon.....	31.75	7.63
22 11 19 00-0490 Stainless Steel Escutcheons (22 11 19 00-0450)		
22 11 19 00-0491 Shallow Stainless Steel Escutcheons (22 11 19 00-0490)		
22 11 19 00-0492 EA 3/8" IPS, Shallow Stainless Steel Escutcheon.....	20.58	3.83
22 11 19 00-0493 EA 1/2" IPS, Shallow Stainless Steel Escutcheon.....	20.58	3.83
22 11 19 00-0494 EA 3/4" IPS, Shallow Stainless Steel Escutcheon.....	28.50	4.29
22 11 19 00-0495 Chrome Plated Steel Escutcheons (22 11 19 00-0450)		
22 11 19 00-0496 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
22 11 19 00-0497 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.39	3.81
22 11 19 00-0498 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.15	4.27
22 11 19 00-0499 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.05	4.58
22 11 19 00-0500 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.81	5.04
22 11 19 00-0501 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.58	5.34
22 11 19 00-0502 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.32	6.10
22 11 19 00-0503 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.17	6.56
22 11 19 00-0504 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.36	6.86
22 11 19 00-0505 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	24.66	7.32
22 11 19 00-0506 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.24	7.63
22 11 19 00-0507 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon	28.20	8.39
22 11 19 00-0508 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon	32.68	9.15
22 11 19 00-0509 Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
22 11 19 00-0510 EA 3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.65	3.81
22 11 19 00-0511 EA 1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.65	3.81
22 11 19 00-0512 EA 3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.57	4.27
22 11 19 00-0513 EA 1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.43	4.58
22 11 19 00-0514 EA 1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.20	5.04
22 11 19 00-0515 EA 1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.18	5.34
22 11 19 00-0516 EA 2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.28	6.10
22 11 19 00-0517 EA 2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	23.15	6.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0518 EA 3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	27.94	6.86
22 11 19 00-0519 EA 3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	33.93	7.32
22 11 19 00-0520 EA 4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	34.53	7.63
22 11 19 00-0521 EA 5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	55.60	8.39
22 11 19 00-0522 EA 6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	58.18	9.15
22 11 19 00-0523 Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
22 11 19 00-0524 EA 3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	10.16	4.29
22 11 19 00-0525 EA 1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	10.04	4.29
22 11 19 00-0526 EA 3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.78	4.29
22 11 19 00-0527 EA 1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	10.77	4.59
22 11 19 00-0528 EA 1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	11.69	5.06
22 11 19 00-0529 EA 1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	12.83	5.36
22 11 19 00-0530 Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
22 11 19 00-0531 EA 3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.28	3.83
22 11 19 00-0532 EA 1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.28	3.83
22 11 19 00-0533 EA 3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.40	3.83
22 11 19 00-0534 EA 1" IPS, Shallow Chrome Plated Steel Escutcheon.....	10.03	4.59
22 11 19 00-0535 EA 1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	10.85	5.06
22 11 19 00-0536 EA 1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	11.97	5.36
22 11 19 00-0537 EA 2" IPS, Shallow Chrome Plated Steel Escutcheon.....	13.60	6.12
22 11 19 00-0538 Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0539 EA 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	375.42	45.75
22 11 19 00-0540 EA 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	415.99	45.75
22 11 19 00-0541 EA 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	476.83	45.75
22 11 19 00-0542 EA 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	466.77	61.00
22 11 19 00-0543 EA 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	527.61	61.00
22 11 19 00-0544 EA 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	545.86	61.00
22 11 19 00-0545 EA 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	440.32	45.75
22 11 19 00-0546 EA 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	529.56	45.75
22 11 19 00-0547 EA 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	608.66	45.75
22 11 19 00-0548 EA 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	580.34	61.00
22 11 19 00-0549 EA 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	659.44	61.00
22 11 19 00-0550 EA 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	689.86	61.00
22 11 23 Domestic Water Pumps (22 11)		
22 11 23 13 Domestic Water Packaged Booster Pumps (22 11 23)		
Note: Includes motor starter and controls.		
22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002 EA 1 HP Simplex Domestic Water Packaged Booster Pump And Tank	14,510.01	451.14
22 11 23 13-0003 EA 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	15,102.02	606.22
22 11 23 13-0004 EA 2 HP Simplex Domestic Water Packaged Booster Pump And Tank	15,796.18	761.30
22 11 23 13-0005 EA 3 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,439.27	916.37
22 11 23 13-0006 EA 5 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,206.04	1,071.45
22 11 23 13-0007 EA 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,228.20	1,226.53
22 11 23 13-0008 EA 10 HP Simplex Domestic Water Packaged Booster Pump And Tank	21,637.44	1,381.61
22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010 EA 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	39,144.42	1,825.61
22 11 23 13-0011 EA 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	47,114.20	1,939.71
22 11 23 13-0012 EA 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	55,116.55	2,053.81
22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014 EA 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	51,468.51	1,939.71
22 11 23 13-0015 EA 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	64,033.95	2,053.81
22 11 23 13-0016 EA 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	79,554.69	2,282.01
22 11 23 13-0017 EA 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	100,736.68	2,510.20
22 11 23 13-0018 EA 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	121,918.67	2,738.40
22 11 23 13-0019 EA 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	142,018.31	3,080.71
22 11 23 13-0020 EA 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	162,117.96	3,423.01
22 11 23 13-0021 EA 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	182,217.61	3,765.31
22 11 23 13-0022 EA 5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	202,602.51	4,221.71
22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)		
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0024 EA 40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	42,383.75	1,909.62
22 11 23 13-0025 EA 40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	44,314.44	1,909.62
22 11 23 13-0026 EA 80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	47,073.17	1,909.62
22 11 23 13-0027 EA 80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	51,049.85	1,909.62
22 11 23 13-0028 EA 160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	48,216.36	2,028.97
22 11 23 13-0029 EA 160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	51,687.83	2,028.97
22 11 23 13-0030 EA 160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	56,402.41	2,028.97
22 11 23 13-0031 EA 160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	60,234.45	2,028.97
22 11 23 13-0032 EA 240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	52,675.90	2,148.32
22 11 23 13-0033 EA 280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	56,103.35	2,148.32
22 11 23 13-0034 EA 240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	63,767.42	2,148.32
22 11 23 13-0035 EA 240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	76,630.32	2,148.32
22 11 23 13-0036 EA 360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	55,621.20	2,148.32
22 11 23 13-0037 EA 360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	62,612.36	2,148.32
22 11 23 13-0038 EA 360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	78,001.30	2,148.32
22 11 23 13-0039 EA 360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	77,556.88	2,148.32
22 11 23 13-0040 EA 440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	92,479.75	2,387.02
22 11 23 13-0041 EA 440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	63,655.63	2,387.02
22 11 23 13-0042 EA 440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	77,669.40	2,387.02
22 11 23 13-0043 EA 440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	77,227.08	2,387.02
22 11 23 13-0044 EA 440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	93,167.34	2,387.02
22 11 23 13-0045 EA 440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	112,665.03	2,387.02
22 11 23 13-0046 EA 60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	53,519.29	1,909.62
22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid <small>(22 11 23 13)</small>		
<p>Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.</p>		
22 11 23 13-0048 EA 60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	53,519.29	1,909.62
22 11 23 13-0049 EA 120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	59,845.93	1,909.62
22 11 23 13-0050 EA 60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	65,304.69	1,909.62
22 11 23 13-0051 EA 180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	60,144.31	2,028.97
22 11 23 13-0052 EA 180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	65,565.34	2,028.97
22 11 23 13-0053 EA 240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	61,410.47	2,028.97
22 11 23 13-0054 EA 240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	66,070.55	2,028.97
22 11 23 13-0055 EA 240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	72,478.94	2,028.97
22 11 23 13-0056 EA 240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	77,790.96	2,028.97
22 11 23 13-0057 EA 300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	62,014.91	2,148.32
22 11 23 13-0058 EA 300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	66,674.99	2,148.32
22 11 23 13-0059 EA 300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	73,081.28	2,148.32
22 11 23 13-0060 EA 300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	78,393.30	2,148.32
22 11 23 13-0061 EA 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	67,255.66	2,148.32
22 11 23 13-0062 EA 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	71,731.26	2,148.32

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0063 EA 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	82,789.25	2,148.32
22 11 23 13-0064 EA 360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	100,834.20	2,148.32
22 11 23 13-0065 EA 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	68,766.41	2,387.02
22 11 23 13-0066 EA 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	73,244.11	2,387.02
22 11 23 13-0067 EA 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	84,302.09	2,387.02
22 11 23 13-0068 EA 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	102,344.94	2,387.02
22 11 23 13-0069 EA 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	72,518.79	2,387.02
22 11 23 13-0070 EA 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	82,568.45	2,387.02
22 11 23 13-0071 EA 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	104,399.32	2,387.02
22 11 23 13-0072 EA 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	106,514.48	2,387.02
22 11 23 13-0073 EA 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	131,856.65	2,387.02
22 11 23 13-0074 EA 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	82,212.78	2,864.42
22 11 23 13-0075 EA 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	98,775.65	2,864.42
22 11 23 13-0076 EA 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	105,056.16	2,864.42
22 11 23 13-0077 EA 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	126,599.84	2,864.42
22 11 23 13-0078 EA 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	156,746.73	2,864.42

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0002 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,361.55	253.77
22 11 23 23-0003 EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,397.39	253.77
22 11 23 23-0004 EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,462.09	258.70
22 11 23 23-0005 EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,610.37	269.27
22 11 23 23-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,874.75	279.25
22 11 23 23-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	3,065.50	279.25
22 11 23 23-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,575.35	307.46
22 11 23 23-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,772.15	337.79
22 11 23 23-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,775.54	371.63
22 11 23 23-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,904.69	409.02
22 11 23 23-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	6,457.47	449.21
22 11 23 23-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	9,245.45	494.34
22 11 23 23-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	10,647.46	518.32

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,417.51	253.77
22 11 23 23-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,361.54	253.77
22 11 23 23-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,371.74	258.70
22 11 23 23-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,412.84	264.34
22 11 23 23-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,422.70	269.27
22 11 23 23-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,468.58	279.25
22 11 23 23-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	3,015.57	307.46
22 11 23 23-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,889.38	371.63
22 11 23 23-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	4,098.55	409.02
22 11 23 23-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,782.35	449.21
22 11 23 23-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	6,448.18	494.34
22 11 23 23-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	7,535.69	518.32
22 11 23 23-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,769.37	544.41
22 11 23 23-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,277.66	598.42
22 11 23 23-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,995.47	634.68
22 11 23 23-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	10,122.81	705.20
22 11 23 23-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	10,742.55	846.37
22 11 23 23-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	13,698.30	987.69

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)

22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	42,256.78	9,744.59
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	48,056.08	9,744.59
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	86,780.13	15,037.97



Plumbing	22	22
Plumbing Piping	22 10	
Facility Potable-Water Storage Tanks	22 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	112,006.52	19,489.17
22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)		
22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	50,848.33	9,744.59
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	71,038.48	9,744.59
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	105,842.70	15,037.97
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	152,520.05	19,489.17
22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)		
22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)		
22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,883.54	563.93
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,574.75	704.91
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	6,393.87	775.39
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	7,066.40	845.88
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	13,740.26	916.37
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	11,916.10	986.86
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	20,207.98	1,057.35
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	18,681.90	1,127.84
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	20,284.64	1,198.33
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	24,107.19	1,268.82
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,499.20	563.93
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,657.26	704.91
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,782.62	775.39
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	7,104.23	845.88
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,083.00	845.88
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,255.58	916.37
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,015.14	986.86
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	9,551.21	986.86
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	8,748.68	986.86
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	11,857.20	1,057.35
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	12,855.41	1,127.84
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	14,881.95	1,198.33
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	27,543.51	1,268.82
22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)		
22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)		
Note: Excludes excavation and backfill.		
22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank	824.23	317.21
For Saddle Assembly, Add	911.06	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank	965.13	370.07
For Saddle Assembly, Add	911.06	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,141.23	422.94
For Saddle Assembly, Add	1,030.75	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,380.69	475.81
For Saddle Assembly, Add	1,497.77	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,645.97	528.68
For Two Tie Down Bands, Add	530.68	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,049.24	655.28
For Two Tie Down Bands, Add	563.54	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,033.32	764.50
For Three Tie Down Bands, Add	950.91	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,344.91	873.70
For Three Tie Down Bands, Add	957.95	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,408.14	982.92
For Four Tie Down Bands, Add	1,296.05	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,326.94	1,092.13
For Four Tie Down Bands, Add	1,774.81	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	8,994.34	1,201.34
For Four Tie Down Bands, Add	2,300.51	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,407.26	1,310.56
For Four Tie Down Bands, Add	2,478.87	
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	14,930.31	1,747.41
For Four Tie Down Bands, Add	2,788.65	
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,243.60	1,747.41
For Five Tie Down Bands, Add	4,342.41	

22 Plumbing

22 10 Plumbing Piping

22 12 Facility Potable-Water Storage Tanks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

22 12 23 26-0016	Vertical Non-Pressurized Polyethylene Tanks <small>(22 12 23 26)</small>		
22 12 23 26-0017	EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	918.28	422.94
22 12 23 26-0018	EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,091.99	449.37
22 12 23 26-0019	EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,195.29	475.81
22 12 23 26-0020	EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,437.10	528.68
22 12 23 26-0021	EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,646.13	634.42
22 12 23 26-0022	EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,942.00	740.15
22 12 23 26-0023	EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,582.42	873.70
22 12 23 26-0024	EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,338.33	1,092.13
22 12 23 26-0025	EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,465.04	1,310.56
22 12 23 26-0026	EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,812.36	1,528.99
22 12 23 26-0027	EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,480.95	1,747.41
22 12 23 26-0028	EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,426.48	1,965.84
22 12 23 26-0029	EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	12,947.47	2,184.27
22 12 23 26-0030	EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	14,266.63	2,402.70
22 12 23 26-0031	EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	16,416.56	2,621.12
22 12 23 26-0032	EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	18,526.60	2,839.55
22 12 23 26-0033	EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	22,866.16	3,057.97
22 12 23 26-0034	EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	27,485.22	3,494.83

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001	Fixture Rough-In <small>(22 13 13)</small>		
	Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0368 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.		

22 13 13 00-0002	Single Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small>		
	Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		

22 13 13 00-0003	EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,333.64	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004	EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,756.33	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005	EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,216.08	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006	EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	785.62	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007	EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	925.75	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008	EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,183.58	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009	EA Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,257.13	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010	EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	760.12	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011	EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,216.08	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012	EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,253.00	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013	EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,182.49	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014	EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,333.64	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015	EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	2,088.53	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016	EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,292.40	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		

22 13 13 00-0017 **Double Fixture Rough-In, Cast Iron Waste And Vent Pipe** (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,730.02	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019	EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	2,353.92	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,494.34	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	936.84	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,262.40	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,336.61	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	886.78	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,508.42	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,318.88	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,283.67	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,730.02	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.		
22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)		
Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	864.35	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,176.97	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	747.86	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.		
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	469.13	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	631.23	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	668.28	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	478.62	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet.....	753.52	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	659.44	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	642.50	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	854.46	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 13 00-0001)		
Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet.....	804.75	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0043 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet.....	899.61	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0044 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet.....	762.04	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0045 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal.....	461.53	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0046 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory.....	541.15	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0047 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink.....	732.19	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0048 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub.....	744.36	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0049 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler.....	455.94	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0050 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink.....	762.04	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....808.00 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	808.00	
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....746.19 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	746.19	
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....804.58 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	804.58	
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....1,243.89 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,243.89	
22 13 13 00-0055 EA Bathroom/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....775.19 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	775.19	
22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057 EA Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....984.17 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	984.17	
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....1,178.41 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,178.41	
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....855.29 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	855.29	
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....516.26 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	516.26	
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....753.35 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	753.35	
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....787.57 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	787.57	
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....501.77 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	501.77	
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....867.83 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	867.83	
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....831.84 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	831.84	
22 13 13 00-0066 EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....800.39 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	800.39	
22 13 13 00-0067 EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....984.17 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	984.17	
22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....491.50 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	491.50	
22 13 13 00-0070 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....588.52 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	588.52	
22 13 13 00-0071 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....428.06 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	428.06	
22 13 13 00-0072 EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....258.19 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	258.19	
22 13 13 00-0073 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....376.64 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	376.64	
22 13 13 00-0074 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....393.43 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	393.43	
22 13 13 00-0075 EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....250.87 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	250.87	
22 13 13 00-0076 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....433.79 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	433.79	
22 13 13 00-0077 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....415.97 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	415.97	
22 13 13 00-0078 EA Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....400.79 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	400.79	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0079 EA Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....482.16 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	482.16	
22 13 16 Sanitary Waste and Vent Piping (22 13)		
22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)		
22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....43.64 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	43.64	8.88
<i>For Work In Restricted Working Space, Add</i>	6.52	
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....62.28 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	62.28	13.39
<i>For Work In Restricted Working Space, Add</i>	8.84	
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....80.79 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	80.79	17.05
<i>For Work In Restricted Working Space, Add</i>	11.37	
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....91.85 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	91.85	19.49
<i>For Work In Restricted Working Space, Add</i>	10.97	
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....107.93 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	107.93	21.23
<i>For Work In Restricted Working Space, Add</i>	12.18	
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....172.01 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	172.01	30.51
<i>For Work In Restricted Working Space, Add</i>	17.28	
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....252.89 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	252.89	30.51
<i>For Work In Restricted Working Space, Add</i>	19.56	
22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011 LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....38.63 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	38.63	8.46
<i>For Work In Restricted Working Space, Add</i>	7.43	
22 13 16 00-0012 LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....41.00 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	41.00	9.02
<i>For Work In Restricted Working Space, Add</i>	7.98	
22 13 16 00-0013 LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly .....52.27 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	52.27	13.11
<i>For Work In Restricted Working Space, Add</i>	9.79	
22 13 16 00-0014 LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly .....62.44 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	62.44	17.05
<i>For Work In Restricted Working Space, Add</i>	11.70	
22 13 16 00-0015 LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly .....77.08 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	77.08	19.11
<i>For Work In Restricted Working Space, Add</i>	12.97	
22 13 16 00-0016 LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly .....87.35 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	87.35	20.86
<i>For Work In Restricted Working Space, Add</i>	14.14	
22 13 16 00-0017 LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly .....135.53 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	135.53	30.26
<i>For Work In Restricted Working Space, Add</i>	19.70	
22 13 16 00-0018 LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly .....189.22 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	189.22	34.38
<i>For Work In Restricted Working Space, Add</i>	22.89	
22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe	30.97	8.88
For Extra Heavy Pipe, Add	7.37	
For Above Ground Cast Iron Pipe Installation, Add	0.67	
For Work In Restricted Working Space, Add	4.03	
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe	45.29	13.39
For Extra Heavy Pipe, Add	10.56	
For Above Ground Cast Iron Pipe Installation, Add	1.01	
For Work In Restricted Working Space, Add	6.04	
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe	58.33	17.05
For Extra Heavy Pipe, Add	13.73	
For Above Ground Cast Iron Pipe Installation, Add	1.28	
For Work In Restricted Working Space, Add	7.69	
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe	75.30	19.49
For Extra Heavy Pipe, Add	19.38	
For Above Ground Cast Iron Pipe Installation, Add	1.46	
For Work In Restricted Working Space, Add	8.75	
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe	87.99	21.23
For Extra Heavy Pipe, Add	23.60	
For Above Ground Cast Iron Pipe Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.54	
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe	133.19	30.51
For Extra Heavy Pipe, Add	36.71	
For Above Ground Cast Iron Pipe Installation, Add	2.29	
For Work In Restricted Working Space, Add	13.73	
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe	197.03	34.38
For Extra Heavy Pipe, Add	61.12	
For Above Ground Cast Iron Pipe Installation, Add	2.58	
For Work In Restricted Working Space, Add	15.45	
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe	280.09	45.83
For Extra Heavy Pipe, Add	88.79	
For Above Ground Cast Iron Pipe Installation, Add	3.43	
For Work In Restricted Working Space, Add	20.60	
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe	391.39	54.98
For Extra Heavy Pipe, Add	129.77	
For Above Ground Cast Iron Pipe Installation, Add	4.12	
For Work In Restricted Working Space, Add	24.72	
22 13 16 00-0030 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep	119.56	40.46
For Extra Heavy Fittings, Add	20.62	
For Above Ground Cast Iron Pipe Installation, Add	3.03	
For Work In Restricted Working Space, Add	18.19	
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep	195.74	50.89
For Extra Heavy Fittings, Add	41.84	
For Above Ground Cast Iron Pipe Installation, Add	3.81	
For Work In Restricted Working Space, Add	22.86	
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep	260.75	67.68
For Extra Heavy Fittings, Add	55.77	
For Above Ground Cast Iron Pipe Installation, Add	5.07	
For Work In Restricted Working Space, Add	30.43	
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep	391.83	82.45
For Extra Heavy Fittings, Add	93.89	
For Above Ground Cast Iron Pipe Installation, Add	6.18	
For Work In Restricted Working Space, Add	37.07	
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep	759.26	107.38
For Extra Heavy Fittings, Add	209.41	
For Above Ground Cast Iron Pipe Installation, Add	8.05	
For Work In Restricted Working Space, Add	48.29	
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep	1,033.77	132.11
For Extra Heavy Fittings, Add	292.49	
For Above Ground Cast Iron Pipe Installation, Add	9.90	
For Work In Restricted Working Space, Add	59.43	
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep	1,579.35	184.38
For Extra Heavy Fittings, Add	456.02	
For Above Ground Cast Iron Pipe Installation, Add	13.82	
For Work In Restricted Working Space, Add	82.94	
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep	2,904.86	256.74
For Extra Heavy Fittings, Add	881.98	
For Above Ground Cast Iron Pipe Installation, Add	19.25	
For Work In Restricted Working Space, Add	115.48	
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep	104.00	40.46
For Extra Heavy Fittings, Add	15.18	
For Above Ground Cast Iron Pipe Installation, Add	3.03	
For Work In Restricted Working Space, Add	18.19	
22 13 16 00-0042 EA 3" Bell And Spigot Cast Iron Short Sweep	169.63	50.89
For Extra Heavy Fittings, Add	32.70	
For Above Ground Cast Iron Pipe Installation, Add	3.81	
For Work In Restricted Working Space, Add	22.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0043	EA			4" Bell And Spigot Cast Iron Short Sweep 231.40		67.68
				<i>For Extra Heavy Fittings, Add</i> 45.49		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 5.07		
				<i>For Work In Restricted Working Space, Add</i> 30.43		
22 13 16 00-0044	EA			5" Bell And Spigot Cast Iron Short Sweep 329.76		70.07
				<i>For Extra Heavy Fittings, Add</i> 78.66		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 5.25		
				<i>For Work In Restricted Working Space, Add</i> 31.51		
22 13 16 00-0045	EA			6" Bell And Spigot Cast Iron Short Sweep 397.42		82.45
				<i>For Extra Heavy Fittings, Add</i> 95.85		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 6.18		
				<i>For Work In Restricted Working Space, Add</i> 37.07		
22 13 16 00-0046	EA			8" Bell And Spigot Cast Iron Short Sweep 646.76		107.38
				<i>For Extra Heavy Fittings, Add</i> 170.03		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 8.05		
				<i>For Work In Restricted Working Space, Add</i> 48.29		
22 13 16 00-0047	EA			10" Bell And Spigot Cast Iron Short Sweep 937.78		132.11
				<i>For Extra Heavy Fittings, Add</i> 258.89		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 9.90		
				<i>For Work In Restricted Working Space, Add</i> 59.43		
22 13 16 00-0048	EA			12" Bell And Spigot Cast Iron Short Sweep 1,543.55		184.38
				<i>For Extra Heavy Fittings, Add</i> 443.49		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 13.82		
				<i>For Work In Restricted Working Space, Add</i> 82.94		
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)						
22 13 16 00-0050	EA			2" Bell And Spigot Cast Iron 1/4 Bend 95.13		40.32
				<i>For Extra Heavy Fittings, Add</i> 12.12		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.03		
				<i>For Work In Restricted Working Space, Add</i> 18.15		
22 13 16 00-0051	EA			3" Bell And Spigot Cast Iron 1/4 Bend 137.31		45.39
				<i>For Extra Heavy Fittings, Add</i> 24.22		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.41		
				<i>For Work In Restricted Working Space, Add</i> 20.43		
22 13 16 00-0052	EA			4" Bell And Spigot Cast Iron 1/4 Bend 194.52		60.49
				<i>For Extra Heavy Fittings, Add</i> 36.35		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 4.53		
				<i>For Work In Restricted Working Space, Add</i> 27.20		
22 13 16 00-0053	EA			5" Bell And Spigot Cast Iron 1/4 Bend 233.27		62.58
				<i>For Extra Heavy Fittings, Add</i> 48.83		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 4.69		
				<i>For Work In Restricted Working Space, Add</i> 28.13		
22 13 16 00-0054	EA			6" Bell And Spigot Cast Iron 1/4 Bend 280.51		74.94
				<i>For Extra Heavy Fittings, Add</i> 58.82		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 5.62		
				<i>For Work In Restricted Working Space, Add</i> 33.74		
22 13 16 00-0055	EA			8" Bell And Spigot Cast Iron 1/4 Bend 565.25		98.89
				<i>For Extra Heavy Fittings, Add</i> 145.96		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 7.41		
				<i>For Work In Restricted Working Space, Add</i> 44.46		
22 13 16 00-0056	EA			10" Bell And Spigot Cast Iron 1/4 Bend 825.13		120.01
				<i>For Extra Heavy Fittings, Add</i> 225.83		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 8.99		
				<i>For Work In Restricted Working Space, Add</i> 53.97		
22 13 16 00-0057	EA			12" Bell And Spigot Cast Iron 1/4 Bend 1,082.43		141.64
				<i>For Extra Heavy Fittings, Add</i> 304.51		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 10.62		
				<i>For Work In Restricted Working Space, Add</i> 63.72		
22 13 16 00-0058	EA			15" Bell And Spigot Cast Iron 1/4 Bend 2,720.46		223.40
				<i>For Extra Heavy Fittings, Add</i> 834.95		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 16.74		
				<i>For Work In Restricted Working Space, Add</i> 100.46		
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)						
22 13 16 00-0060	EA			2" Bell And Spigot Cast Iron 1/8 Bend 88.29		40.46
				<i>For Extra Heavy Fittings, Add</i> 9.68		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.03		
				<i>For Work In Restricted Working Space, Add</i> 18.19		
22 13 16 00-0061	EA			3" Bell And Spigot Cast Iron 1/8 Bend 133.25		50.89
				<i>For Extra Heavy Fittings, Add</i> 19.97		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.81		
				<i>For Work In Restricted Working Space, Add</i> 22.86		
22 13 16 00-0062	EA			4" Bell And Spigot Cast Iron 1/8 Bend 187.98		67.68
				<i>For Extra Heavy Fittings, Add</i> 30.30		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 5.07		
				<i>For Work In Restricted Working Space, Add</i> 30.43		
22 13 16 00-0063	EA			5" Bell And Spigot Cast Iron 1/8 Bend 226.52		78.32
				<i>For Extra Heavy Fittings, Add</i> 38.20		
				<i>For Above Ground Cast Iron Pipe Installation, Add</i> 5.87		
				<i>For Work In Restricted Working Space, Add</i> 35.21		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend	260.95	87.32
			<i>For Extra Heavy Fittings, Add</i>	45.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.55	
			<i>For Work In Restricted Working Space, Add</i>	39.29	
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend	502.81	118.45
			<i>For Extra Heavy Fittings, Add</i>	113.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.88	
			<i>For Work In Restricted Working Space, Add</i>	53.28	
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend	696.82	146.14
			<i>For Extra Heavy Fittings, Add</i>	167.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.96	
			<i>For Work In Restricted Working Space, Add</i>	65.75	
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend	1,110.60	189.54
			<i>For Extra Heavy Fittings, Add</i>	289.28	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.20	
			<i>For Work In Restricted Working Space, Add</i>	85.22	
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend	2,082.36	223.40
			<i>For Extra Heavy Fittings, Add</i>	611.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.74	
			<i>For Work In Restricted Working Space, Add</i>	100.46	
22 13 16 00-0069			Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye	162.16	90.37
			<i>For Extra Heavy Fittings, Add</i>	9.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.78	
			<i>For Work In Restricted Working Space, Add</i>	40.67	
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye	198.22	98.97
			<i>For Extra Heavy Fittings, Add</i>	17.44	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.42	
			<i>For Work In Restricted Working Space, Add</i>	44.52	
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye	260.70	129.70
			<i>For Extra Heavy Fittings, Add</i>	23.21	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.72	
			<i>For Work In Restricted Working Space, Add</i>	58.32	
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye	312.60	134.78
			<i>For Extra Heavy Fittings, Add</i>	38.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	60.64	
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye	389.24	159.77
			<i>For Extra Heavy Fittings, Add</i>	52.39	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.98	
			<i>For Work In Restricted Working Space, Add</i>	71.87	
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye	691.36	216.31
			<i>For Extra Heavy Fittings, Add</i>	128.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.22	
			<i>For Work In Restricted Working Space, Add</i>	97.30	
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye	950.46	245.42
			<i>For Extra Heavy Fittings, Add</i>	203.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.39	
			<i>For Work In Restricted Working Space, Add</i>	110.37	
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye	1,385.07	298.72
			<i>For Extra Heavy Fittings, Add</i>	328.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.39	
			<i>For Work In Restricted Working Space, Add</i>	134.36	
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye	2,107.31	335.16
			<i>For Extra Heavy Fittings, Add</i>	561.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	25.12	
			<i>For Work In Restricted Working Space, Add</i>	150.74	
22 13 16 00-0079			Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye	237.33	94.45
			<i>For Extra Heavy Fittings, Add</i>	33.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.08	
			<i>For Work In Restricted Working Space, Add</i>	42.50	
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	289.55	116.73
			<i>For Extra Heavy Fittings, Add</i>	40.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.75	
			<i>For Work In Restricted Working Space, Add</i>	52.53	
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	318.89	119.69
			<i>For Extra Heavy Fittings, Add</i>	48.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.98	
			<i>For Work In Restricted Working Space, Add</i>	53.87	
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	446.76	143.15
			<i>For Extra Heavy Fittings, Add</i>	81.28	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.73	
			<i>For Work In Restricted Working Space, Add</i>	64.36	
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	458.02	145.77
			<i>For Extra Heavy Fittings, Add</i>	83.80	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.93	
			<i>For Work In Restricted Working Space, Add</i>	65.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	480.33 86.51 11.66 69.95	155.52
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	691.51 150.76 13.04 78.23	173.95
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	721.37 159.46 13.29 79.73	177.30
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	740.09 161.60 13.92 83.52	185.67
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	870.37 196.23 15.49 92.91	206.53
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,053.75 267.26 14.51 87.05	193.52
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,096.42 277.71 15.15 90.89	202.02
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,200.21 302.87 16.74 100.46	223.40
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,568.32 424.60 17.76 106.56	236.92
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,612.00 439.88 17.76 106.56	236.92
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,681.00 453.62 19.25 115.48	256.74
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,963.77 545.94 20.20 121.19	269.50
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,371.19 684.31 20.80 124.81	277.48
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,858.02 1,213.02 19.61 117.68	261.64
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,029.69 1,261.79 21.23 127.38	283.15
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,114.30 1,285.01 22.14 132.86	295.38
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,211.10 1,313.65 22.89 137.34	305.41
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,320.74 1,342.68 24.23 145.35	323.18
22 13 16 00-0103			Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.55 13.30 6.78 40.67	90.37
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.24 19.89 7.42 44.52	98.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0106 EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	272.92	129.70
For Extra Heavy Fittings, Add	27.48	
For Above Ground Cast Iron Pipe Installation, Add	9.72	
For Work In Restricted Working Space, Add	58.32	
22 13 16 00-0107 EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	354.20	141.40
For Extra Heavy Fittings, Add	49.79	
For Above Ground Cast Iron Pipe Installation, Add	10.60	
For Work In Restricted Working Space, Add	63.58	
22 13 16 00-0108 EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	443.04	175.38
For Extra Heavy Fittings, Add	63.05	
For Above Ground Cast Iron Pipe Installation, Add	13.15	
For Work In Restricted Working Space, Add	78.87	
22 13 16 00-0109 EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	787.70	232.92
For Extra Heavy Fittings, Add	153.49	
For Above Ground Cast Iron Pipe Installation, Add	17.46	
For Work In Restricted Working Space, Add	104.75	
22 13 16 00-0110 EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,126.86	305.41
For Extra Heavy Fittings, Add	234.17	
For Above Ground Cast Iron Pipe Installation, Add	22.89	
For Work In Restricted Working Space, Add	137.34	
22 13 16 00-0111 EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,505.45	392.59
For Extra Heavy Fittings, Add	320.89	
For Above Ground Cast Iron Pipe Installation, Add	29.43	
For Work In Restricted Working Space, Add	176.58	
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	184.30	94.45
For Extra Heavy Fittings, Add	14.92	
For Above Ground Cast Iron Pipe Installation, Add	7.08	
For Work In Restricted Working Space, Add	42.50	
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	253.39	116.73
For Extra Heavy Fittings, Add	27.41	
For Above Ground Cast Iron Pipe Installation, Add	8.75	
For Work In Restricted Working Space, Add	52.53	
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	271.17	119.69
For Extra Heavy Fittings, Add	32.07	
For Above Ground Cast Iron Pipe Installation, Add	8.98	
For Work In Restricted Working Space, Add	53.87	
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	378.33	143.15
For Extra Heavy Fittings, Add	57.33	
For Above Ground Cast Iron Pipe Installation, Add	10.73	
For Work In Restricted Working Space, Add	64.36	
22 13 16 00-0117 EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	393.06	145.77
For Extra Heavy Fittings, Add	61.06	
For Above Ground Cast Iron Pipe Installation, Add	10.93	
For Work In Restricted Working Space, Add	65.58	
22 13 16 00-0118 EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	416.95	155.52
For Extra Heavy Fittings, Add	64.32	
For Above Ground Cast Iron Pipe Installation, Add	11.66	
For Work In Restricted Working Space, Add	69.95	
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	564.41	173.95
For Extra Heavy Fittings, Add	106.27	
For Above Ground Cast Iron Pipe Installation, Add	13.04	
For Work In Restricted Working Space, Add	78.23	
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	582.02	185.67
For Extra Heavy Fittings, Add	106.27	
For Above Ground Cast Iron Pipe Installation, Add	13.92	
For Work In Restricted Working Space, Add	83.52	
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	726.53	206.53
For Extra Heavy Fittings, Add	145.89	
For Above Ground Cast Iron Pipe Installation, Add	15.49	
For Work In Restricted Working Space, Add	92.91	
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes <small>(22 13 16 00-0030)</small>		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye.....	267.11	108.13
For Extra Heavy Fittings, Add	36.77	
For Above Ground Cast Iron Pipe Installation, Add	8.10	
For Work In Restricted Working Space, Add	48.62	
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye.....	380.70	136.33
For Extra Heavy Fittings, Add	61.73	
For Above Ground Cast Iron Pipe Installation, Add	10.22	
For Work In Restricted Working Space, Add	61.30	
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye.....	511.82	172.42
For Extra Heavy Fittings, Add	88.63	
For Above Ground Cast Iron Pipe Installation, Add	12.93	
For Work In Restricted Working Space, Add	77.57	
22 13 16 00-0126 EA 6" Bell And Spigot Cast Iron Double Wye.....	929.80	245.45
For Extra Heavy Fittings, Add	196.62	
For Above Ground Cast Iron Pipe Installation, Add	18.40	
For Work In Restricted Working Space, Add	110.41	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,805.73 478.59 21.92 131.50	292.41	
	22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,374.34 659.34 24.53 147.15	327.18	
	22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,697.62 388.15 29.43 176.58	392.59	
	22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,571.99 1,383.87 30.90 185.42	412.03	
	22 13 16 00-0131	Bell And Spigot Cast Iron Reducing Double Wyes <small>(22 13 16 00-0030)</small>					
	22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.74 21.69 9.59 57.53	127.87	
	22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.21 25.88 11.01 66.08	146.90	
	22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	316.76 29.98 11.56 69.33	154.09	
	22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	383.07 44.74 12.76 76.57	170.26	
	22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	404.98 49.00 13.25 79.49	176.75	
	22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	462.81 60.84 14.45 86.69	192.74	
	22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	723.73 135.10 16.89 101.32	225.33	
	22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	794.88 138.25 19.99 119.96	266.66	
	22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	771.31 143.46 18.07 108.43	241.04	
	22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	899.61 166.26 21.23 127.38	283.15	
	22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,096.13 221.68 23.14 138.83	308.63	
	22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,119.75 226.23 23.67 142.01	315.72	
	22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,412.82 314.23 25.75 154.51	343.53	
	22 13 16 00-0145	Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>					
	22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.45 23.59 8.10 48.62	108.13	
	22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.68 32.13 10.84 65.07	144.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	400.27	180.88
For Extra Heavy Fittings, Add	45.21	
For Above Ground Cast Iron Pipe Installation, Add	13.56	
For Work In Restricted Working Space, Add	81.33	
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	811.72	274.31
For Extra Heavy Fittings, Add	140.15	
For Above Ground Cast Iron Pipe Installation, Add	20.56	
For Work In Restricted Working Space, Add	123.39	
22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	300.94	129.70
For Extra Heavy Fittings, Add	37.29	
For Above Ground Cast Iron Pipe Installation, Add	9.72	
For Work In Restricted Working Space, Add	58.32	
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	354.52	146.90
For Extra Heavy Fittings, Add	46.98	
For Above Ground Cast Iron Pipe Installation, Add	11.01	
For Work In Restricted Working Space, Add	66.08	
22 13 16 00-0153 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	397.45	163.54
For Extra Heavy Fittings, Add	53.32	
For Above Ground Cast Iron Pipe Installation, Add	12.26	
For Work In Restricted Working Space, Add	73.53	
22 13 16 00-0154 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	734.29	204.61
For Extra Heavy Fittings, Add	149.62	
For Above Ground Cast Iron Pipe Installation, Add	15.34	
For Work In Restricted Working Space, Add	92.04	
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0156 EA 2" Bell And Spigot Cast Iron Sanitary Tee	188.21	90.51
For Extra Heavy Fittings, Add	18.39	
For Above Ground Cast Iron Pipe Installation, Add	6.78	
For Work In Restricted Working Space, Add	40.70	
22 13 16 00-0157 EA 3" Bell And Spigot Cast Iron Sanitary Tee	212.54	98.97
For Extra Heavy Fittings, Add	22.45	
For Above Ground Cast Iron Pipe Installation, Add	7.42	
For Work In Restricted Working Space, Add	44.52	
22 13 16 00-0158 EA 4" Bell And Spigot Cast Iron Sanitary Tee	327.84	121.24
For Extra Heavy Fittings, Add	51.09	
For Above Ground Cast Iron Pipe Installation, Add	9.09	
For Work In Restricted Working Space, Add	54.56	
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee	446.88	124.66
For Extra Heavy Fittings, Add	90.96	
For Above Ground Cast Iron Pipe Installation, Add	9.35	
For Work In Restricted Working Space, Add	56.10	
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee	536.06	149.53
For Extra Heavy Fittings, Add	109.15	
For Above Ground Cast Iron Pipe Installation, Add	11.21	
For Work In Restricted Working Space, Add	67.26	
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee	1,117.44	197.65
For Extra Heavy Fittings, Add	287.39	
For Above Ground Cast Iron Pipe Installation, Add	14.82	
For Work In Restricted Working Space, Add	88.90	
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee	1,661.91	241.04
For Extra Heavy Fittings, Add	455.17	
For Above Ground Cast Iron Pipe Installation, Add	18.07	
For Work In Restricted Working Space, Add	108.43	
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee	2,456.06	283.15
For Extra Heavy Fittings, Add	711.01	
For Above Ground Cast Iron Pipe Installation, Add	21.23	
For Work In Restricted Working Space, Add	127.38	
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	242.30	94.45
For Extra Heavy Fittings, Add	35.22	
For Above Ground Cast Iron Pipe Installation, Add	7.08	
For Work In Restricted Working Space, Add	42.50	
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	286.40	110.67
For Extra Heavy Fittings, Add	42.19	
For Above Ground Cast Iron Pipe Installation, Add	8.29	
For Work In Restricted Working Space, Add	49.76	
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	298.01	110.67
For Extra Heavy Fittings, Add	46.25	
For Above Ground Cast Iron Pipe Installation, Add	8.29	
For Work In Restricted Working Space, Add	49.76	
22 13 16 00-0168 EA 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	431.28	143.15
For Extra Heavy Fittings, Add	75.86	
For Above Ground Cast Iron Pipe Installation, Add	10.73	
For Work In Restricted Working Space, Add	64.36	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	448.07 80.31 10.93 65.58	145.77
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	485.31 88.25 11.66 69.95	155.52
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	805.88 184.62 13.92 83.52	185.67
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,003.63 242.88 15.49 92.91	206.53
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.25 10.74 6.78 40.67	90.37
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.81 18.69 7.42 44.52	98.97
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	266.78 25.33 9.72 58.32	129.70
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.92 37.80 10.60 63.58	141.40
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	402.02 48.69 13.15 78.87	175.38
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	672.91 113.31 17.46 104.75	232.92
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.84 12.00 6.78 40.67	90.37
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.16 13.57 7.42 44.52	98.97
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.17 16.72 9.72 58.32	129.70
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.11 12.79 6.78 40.67	90.37
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.47 15.07 7.42 44.52	98.97
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.01 20.51 9.72 58.32	129.70
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.61 6.79 3.81 22.86	50.89
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.99 7.10 5.04 30.21	67.10

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0191 EA 4" x 3" Bell And Spigot Cast Iron Reducer	127.80	67.68
For Extra Heavy Fittings, Add	9.23	
For Above Ground Cast Iron Pipe Installation, Add	5.07	
For Work In Restricted Working Space, Add	30.43	
22 13 16 00-0192 EA 6" x 2" Bell And Spigot Cast Iron Reducer	151.88	75.70
For Extra Heavy Fittings, Add	13.41	
For Above Ground Cast Iron Pipe Installation, Add	5.68	
For Work In Restricted Working Space, Add	34.07	
22 13 16 00-0193 EA 6" x 3" Bell And Spigot Cast Iron Reducer	158.13	76.70
For Extra Heavy Fittings, Add	15.07	
For Above Ground Cast Iron Pipe Installation, Add	5.75	
For Work In Restricted Working Space, Add	34.52	
22 13 16 00-0194 EA 6" x 4" Bell And Spigot Cast Iron Reducer	162.93	78.32
For Extra Heavy Fittings, Add	15.95	
For Above Ground Cast Iron Pipe Installation, Add	5.87	
For Work In Restricted Working Space, Add	35.21	
22 13 16 00-0195 EA 8" x 2" Bell And Spigot Cast Iron Reducer	205.11	80.69
For Extra Heavy Fittings, Add	29.44	
For Above Ground Cast Iron Pipe Installation, Add	6.05	
For Work In Restricted Working Space, Add	36.30	
22 13 16 00-0196 EA 8" x 3" Bell And Spigot Cast Iron Reducer	235.37	100.30
For Extra Heavy Fittings, Add	29.75	
For Above Ground Cast Iron Pipe Installation, Add	7.52	
For Work In Restricted Working Space, Add	45.11	
22 13 16 00-0197 EA 8" x 4" Bell And Spigot Cast Iron Reducer	241.54	102.88
For Extra Heavy Fittings, Add	30.54	
For Above Ground Cast Iron Pipe Installation, Add	7.71	
For Work In Restricted Working Space, Add	46.29	
22 13 16 00-0198 EA 8" x 6" Bell And Spigot Cast Iron Reducer	249.81	107.38
For Extra Heavy Fittings, Add	31.10	
For Above Ground Cast Iron Pipe Installation, Add	8.05	
For Work In Restricted Working Space, Add	48.29	
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer	307.89	120.52
For Extra Heavy Fittings, Add	44.51	
For Above Ground Cast Iron Pipe Installation, Add	9.04	
For Work In Restricted Working Space, Add	54.22	
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer	324.48	126.57
For Extra Heavy Fittings, Add	47.12	
For Above Ground Cast Iron Pipe Installation, Add	9.49	
For Work In Restricted Working Space, Add	56.95	
22 13 16 00-0201 EA 10" x 8" Bell And Spigot Cast Iron Reducer	344.89	132.11
For Extra Heavy Fittings, Add	51.38	
For Above Ground Cast Iron Pipe Installation, Add	9.90	
For Work In Restricted Working Space, Add	59.43	
22 13 16 00-0202 EA 12" x 4" Bell And Spigot Cast Iron Reducer	422.22	143.18
For Extra Heavy Fittings, Add	72.67	
For Above Ground Cast Iron Pipe Installation, Add	10.73	
For Work In Restricted Working Space, Add	64.38	
22 13 16 00-0203 EA 12" x 6" Bell And Spigot Cast Iron Reducer	473.29	167.52
For Extra Heavy Fittings, Add	77.72	
For Above Ground Cast Iron Pipe Installation, Add	12.56	
For Work In Restricted Working Space, Add	75.37	
22 13 16 00-0204 EA 12" x 8" Bell And Spigot Cast Iron Reducer	514.78	190.82
For Extra Heavy Fittings, Add	80.02	
For Above Ground Cast Iron Pipe Installation, Add	14.31	
For Work In Restricted Working Space, Add	85.84	
22 13 16 00-0205 EA 12" x 10" Bell And Spigot Cast Iron Reducer	567.17	219.80
For Extra Heavy Fittings, Add	83.18	
For Above Ground Cast Iron Pipe Installation, Add	16.48	
For Work In Restricted Working Space, Add	98.86	
22 13 16 00-0206 EA 15" x 6" Bell And Spigot Cast Iron Reducer	720.94	219.80
For Extra Heavy Fittings, Add	137.00	
For Above Ground Cast Iron Pipe Installation, Add	16.48	
For Work In Restricted Working Space, Add	98.86	
22 13 16 00-0207 EA 15" x 8" Bell And Spigot Cast Iron Reducer	768.01	236.92
For Extra Heavy Fittings, Add	144.49	
For Above Ground Cast Iron Pipe Installation, Add	17.76	
For Work In Restricted Working Space, Add	106.56	
22 13 16 00-0208 EA 15" x 10" Bell And Spigot Cast Iron Reducer	800.66	249.80
For Extra Heavy Fittings, Add	149.13	
For Above Ground Cast Iron Pipe Installation, Add	18.73	
For Work In Restricted Working Space, Add	112.37	
22 13 16 00-0209 EA 15" x 12" Bell And Spigot Cast Iron Reducer	844.70	266.66
For Extra Heavy Fittings, Add	155.69	
For Above Ground Cast Iron Pipe Installation, Add	19.99	
For Work In Restricted Working Space, Add	119.96	
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211 EA 2" Bell And Spigot Cast Iron P-Trap	93.82	40.46
For Extra Heavy Fittings, Add	11.61	
For Above Ground Cast Iron Pipe Installation, Add	3.03	
For Work In Restricted Working Space, Add	18.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0212 EA 3" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.47 16.89 3.81 22.86	50.89
22 13 16 00-0213 EA 4" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.04 23.67 5.07 30.43	67.68
22 13 16 00-0214 EA 5" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.00 50.74 5.25 31.51	70.07
22 13 16 00-0215 EA 6" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.36 73.08 6.18 37.07	82.45
22 13 16 00-0216 EA 8" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	718.30 195.07 8.05 48.29	107.38
22 13 16 00-0217 EA 10" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	800.23 210.75 9.90 59.43	132.11
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219 EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.42 16.02 3.03 18.19	40.46
22 13 16 00-0220 EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.24 25.56 3.81 22.86	50.89
22 13 16 00-0221 EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.10 39.79 5.07 30.43	67.68
22 13 16 00-0222 EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	335.17 76.23 5.87 35.21	78.32
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	356.90 79.08 6.55 39.29	87.32
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.50 7.42 44.52	97.70
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	329.29 9.72 58.32	128.43
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	420.43 10.28 61.70	136.04
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	811.32 11.66 69.95	154.15
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,573.66 13.92 83.52	183.61
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,788.24 15.49 92.91	204.86
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.10 10.22 61.30	134.92
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	432.25 12.93 77.57	170.30
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	909.82 14.45 86.69	190.49
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,057.89 17.47 104.83	230.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,779.35 16.89 101.32	222.63
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,055.53 19.99 119.96	264.34
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,050.61 23.14 138.83	305.03
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,585.87 26.71 160.28	352.67
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,792.35 30.92 185.49	407.91
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.91 3.02 18.15	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.16 3.40 20.39	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.71 4.55 27.31	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	348.80 5.29 31.72	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	423.43 6.39 38.32	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	783.30 8.07 48.43	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.85 0.84 5.06	
22 13 16 00-0250 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.38 0.92 5.51	
22 13 16 00-0251 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.97 1.15 6.89	
22 13 16 00-0252 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.56 1.38 8.27	
22 13 16 00-0253 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.75 1.84 11.03	
22 13 16 00-0254 EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.87 2.14 12.86	
22 13 16 00-0255 EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.53 2.53 15.16	
22 13 16 00-0256 EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.19 2.91 17.46	
22 13 16 00-0257 Joint Material (22 13 16 00-0019)		
Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258 LB Lead (1 LB/Diameter Inch) Joint Material.....	7.19	
22 13 16 00-0259 LB Oakum (1/8 LB/Diameter Inch) Joint Material.....	15.45	
22 13 16 00-0260 EA 2" Dual Tite Rubber Gasket.....	3.17	
22 13 16 00-0261 EA 3" Dual Tite Rubber Gasket.....	4.34	
22 13 16 00-0262 EA 4" Dual Tite Rubber Gasket.....	5.40	
22 13 16 00-0263 EA 6" Dual Tite Rubber Gasket.....	8.95	
22 13 16 00-0264 EA 8" Dual Tite Rubber Gasket.....	19.74	
22 13 16 00-0265 EA 10" Dual Tite Rubber Gasket.....	30.27	
22 13 16 00-0266 EA 12" Dual Tite Rubber Gasket.....	38.57	
22 13 16 00-0267 EA 15" Dual Tite Rubber Gasket.....	45.81	
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)		
Note: Service Weight. Excludes hangers.		
22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)		
Note: Excludes couplings.		



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0270 LF 1-1/2" No Hub Cast Iron Pipe	21.46	8.46
For Below Ground Installation, Add	0.64	
For Work In Restricted Working Space, Add	3.81	
22 13 16 00-0271 LF 2" No Hub Cast Iron Pipe	22.82	9.02
For Below Ground Installation, Add	0.68	
For Work In Restricted Working Space, Add	4.09	
22 13 16 00-0272 LF 3" No Hub Cast Iron Pipe	32.45	13.11
For Below Ground Installation, Add	0.99	
For Work In Restricted Working Space, Add	5.92	
22 13 16 00-0273 LF 4" No Hub Cast Iron Pipe	42.11	17.05
For Below Ground Installation, Add	1.28	
For Work In Restricted Working Space, Add	7.69	
22 13 16 00-0274 LF 5" No Hub Cast Iron Pipe	51.62	19.11
For Below Ground Installation, Add	1.43	
For Work In Restricted Working Space, Add	8.60	
22 13 16 00-0275 LF 6" No Hub Cast Iron Pipe	59.62	20.86
For Below Ground Installation, Add	1.56	
For Work In Restricted Working Space, Add	9.37	
22 13 16 00-0276 LF 8" No Hub Cast Iron Pipe	90.75	30.26
For Below Ground Installation, Add	2.26	
For Work In Restricted Working Space, Add	13.58	
22 13 16 00-0277 LF 10" No Hub Cast Iron Pipe	126.89	34.38
For Below Ground Installation, Add	2.58	
For Work In Restricted Working Space, Add	15.45	
22 13 16 00-0278 No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279 No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280 EA 1-1/2" No Hub Cast Iron Long Sweep	76.43	38.34
For Below Ground Installation, Add	2.88	
For Work In Restricted Working Space, Add	17.26	
22 13 16 00-0281 EA 2" No Hub Cast Iron Long Sweep	79.35	40.04
For Below Ground Installation, Add	3.00	
For Work In Restricted Working Space, Add	18.00	
22 13 16 00-0282 EA 3" No Hub Cast Iron Long Sweep	93.03	45.81
For Below Ground Installation, Add	3.44	
For Work In Restricted Working Space, Add	20.63	
22 13 16 00-0283 EA 4" No Hub Cast Iron Long Sweep	127.11	60.63
For Below Ground Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.29	
22 13 16 00-0284 EA 5" No Hub Cast Iron Long Sweep	161.11	63.08
For Below Ground Installation, Add	4.73	
For Work In Restricted Working Space, Add	28.36	
22 13 16 00-0285 EA 6" No Hub Cast Iron Long Sweep	191.30	75.20
For Below Ground Installation, Add	5.64	
For Work In Restricted Working Space, Add	33.85	
22 13 16 00-0286 EA 8" No Hub Cast Iron Long Sweep	361.71	98.11
For Below Ground Installation, Add	7.36	
For Work In Restricted Working Space, Add	44.15	
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep	113.02	45.81
For Below Ground Installation, Add	3.44	
For Work In Restricted Working Space, Add	20.63	
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep	165.20	60.63
For Below Ground Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.29	
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep	75.33	40.04
For Below Ground Installation, Add	3.00	
For Work In Restricted Working Space, Add	18.00	
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep	89.85	45.81
For Below Ground Installation, Add	3.44	
For Work In Restricted Working Space, Add	20.63	
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep	125.44	60.63
For Below Ground Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.29	
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep	161.73	63.08
For Below Ground Installation, Add	4.73	
For Work In Restricted Working Space, Add	28.36	
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep	181.55	75.20
For Below Ground Installation, Add	5.64	
For Work In Restricted Working Space, Add	33.85	
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep	332.23	98.11
For Below Ground Installation, Add	7.36	
For Work In Restricted Working Space, Add	44.15	
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep	531.54	137.39
For Below Ground Installation, Add	10.30	
For Work In Restricted Working Space, Add	61.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend	69.44	38.34
For Below Ground Installation, Add	2.88	
For Work In Restricted Working Space, Add	17.26	
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend	72.56	40.04
For Below Ground Installation, Add	3.00	
For Work In Restricted Working Space, Add	18.00	
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend	85.36	45.81
For Below Ground Installation, Add	3.44	
For Work In Restricted Working Space, Add	20.63	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend	115.53	60.63
For Below Ground Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.29	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend	149.42	63.08
For Below Ground Installation, Add	4.73	
For Work In Restricted Working Space, Add	28.36	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend	173.67	75.20
For Below Ground Installation, Add	5.64	
For Work In Restricted Working Space, Add	33.85	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend	309.27	98.11
For Below Ground Installation, Add	7.36	
For Work In Restricted Working Space, Add	44.15	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend	66.88	38.34
For Below Ground Installation, Add	2.88	
For Work In Restricted Working Space, Add	17.26	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend	69.54	40.04
For Below Ground Installation, Add	3.00	
For Work In Restricted Working Space, Add	18.00	
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend	82.39	45.81
For Below Ground Installation, Add	3.44	
For Work In Restricted Working Space, Add	20.63	
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend	108.85	60.63
For Below Ground Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.29	
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend	175.11	89.53
For Below Ground Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend	284.97	117.58
For Below Ground Installation, Add	8.81	
For Work In Restricted Working Space, Add	52.87	
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend	422.00	144.64
For Below Ground Installation, Add	10.84	
For Work In Restricted Working Space, Add	65.07	
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye	106.96	60.34
For Below Ground Installation, Add	4.52	
For Work In Restricted Working Space, Add	27.11	
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye	139.39	81.77
For Below Ground Installation, Add	6.13	
For Work In Restricted Working Space, Add	36.78	
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye	157.22	89.53
For Below Ground Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye	213.48	117.58
For Below Ground Installation, Add	8.81	
For Work In Restricted Working Space, Add	52.87	
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye	264.69	122.79
For Below Ground Installation, Add	9.20	
For Work In Restricted Working Space, Add	55.22	
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye	314.13	145.77
For Below Ground Installation, Add	10.93	
For Work In Restricted Working Space, Add	65.58	
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye	518.77	196.36
For Below Ground Installation, Add	14.72	
For Work In Restricted Working Space, Add	88.29	
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye	813.03	218.12
For Below Ground Installation, Add	16.35	
For Work In Restricted Working Space, Add	98.10	
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye	135.11	78.10
For Below Ground Installation, Add	5.85	
For Work In Restricted Working Space, Add	35.10	
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye	152.37	89.53
For Below Ground Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.57 7.42 44.52	98.97
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.93 8.24 49.47	109.97
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.54 9.30 55.81	124.04
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.38 9.72 58.29	129.66
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.72 11.36 68.14	151.52
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	359.98 11.57 69.44	154.38
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.06 12.72 76.30	169.70
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	607.20 13.55 81.32	180.78
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	641.83 14.51 87.05	193.52
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	732.11 15.49 92.94	206.66
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.01 5.26 31.56	70.21
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.07 6.13 36.78	81.77
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.33 6.71 40.28	89.53
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.94 8.81 52.87	117.58
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.29 13.56 81.33	180.88
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	674.55 17.40 104.38	232.06
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	795.63 21.03 126.18	280.56
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.90 6.13 36.78	81.77
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.92 6.71 40.28	89.53
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.68 7.42 44.52	98.97
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.89 8.24 49.47	109.97
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.41 9.30 55.81	124.04
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.37 9.72 58.29	129.66
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	313.47 11.36 68.14	151.52
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	402.50 11.57 69.44	154.38
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	510.27 12.72 76.30	169.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye .....175.84		101.64
For Below Ground Installation, Add	7.62	
For Work In Restricted Working Space, Add	45.72	
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye .....228.70		123.78
For Below Ground Installation, Add	9.28	
For Work In Restricted Working Space, Add	55.65	
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye .....291.76		135.34
For Below Ground Installation, Add	10.14	
For Work In Restricted Working Space, Add	60.86	
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye .....428.60		183.75
For Below Ground Installation, Add	13.77	
For Work In Restricted Working Space, Add	82.62	
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye .....789.42		249.80
For Below Ground Installation, Add	18.73	
For Work In Restricted Working Space, Add	112.37	
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye .....205.89		112.64
For Below Ground Installation, Add	8.44	
For Work In Restricted Working Space, Add	50.65	
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye .....244.24		129.70
For Below Ground Installation, Add	9.72	
For Work In Restricted Working Space, Add	58.34	
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye .....268.15		141.40
For Below Ground Installation, Add	10.60	
For Work In Restricted Working Space, Add	63.60	
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye .....367.12		162.01
For Below Ground Installation, Add	12.14	
For Work In Restricted Working Space, Add	72.87	
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....224.16		122.09
For Below Ground Installation, Add	9.16	
For Work In Restricted Working Space, Add	54.93	
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....266.45		135.34
For Below Ground Installation, Add	10.14	
For Work In Restricted Working Space, Add	60.86	
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....390.01		179.18
For Below Ground Installation, Add	13.43	
For Work In Restricted Working Space, Add	80.56	
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....556.47		276.60
For Below Ground Installation, Add	20.73	
For Work In Restricted Working Space, Add	124.40	
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....205.16		105.03
For Below Ground Installation, Add	7.88	
For Work In Restricted Working Space, Add	47.26	
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....237.99		122.09
For Below Ground Installation, Add	9.16	
For Work In Restricted Working Space, Add	54.93	
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....279.75		133.37
For Below Ground Installation, Add	10.00	
For Work In Restricted Working Space, Add	59.99	
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee .....104.43		59.07
For Below Ground Installation, Add	4.43	
For Work In Restricted Working Space, Add	26.60	
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee.....140.23		81.77
For Below Ground Installation, Add	6.13	
For Work In Restricted Working Space, Add	36.78	
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee.....155.34		89.53
For Below Ground Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee.....209.21		117.58
For Below Ground Installation, Add	8.81	
For Work In Restricted Working Space, Add	52.87	
22 13 16 00-0379 EA 5" No Hub Cast Iron Sanitary Tee.....265.58		122.79
For Below Ground Installation, Add	9.20	
For Work In Restricted Working Space, Add	55.22	
22 13 16 00-0380 EA 6" No Hub Cast Iron Sanitary Tee.....313.51		145.77
For Below Ground Installation, Add	10.93	
For Work In Restricted Working Space, Add	65.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	571.52 14.72 88.29	196.36
22 13 16 00-0382	No Hub Cast Iron Reducing Sanitary Tees <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.62 5.00 29.99	66.68
	22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.57 5.85 35.10	78.10
	22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.16 6.13 36.78	81.77
	22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.35 6.13 36.78	81.77
	22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.96 8.29 49.76	110.67
	22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.86 8.29 49.76	110.67
	22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.16 8.74 52.46	116.67
	22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.00 8.74 52.46	116.67
	22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.83 8.74 52.46	116.67
	22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.05 9.11 54.65	121.54
	22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	454.78 12.41 74.46	165.59
22 13 16 00-0394	No Hub Cast Iron Sanitary Tapped Tees <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.68 3.00 18.00	40.04
	22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.01 3.44 20.63	45.81
	22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.66 4.55 27.29	60.63
22 13 16 00-0398	No Hub Cast Iron Cleanout Tees <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.60 3.00 18.00	40.04
	22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.25 3.44 20.63	45.81
	22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.22 4.55 27.29	60.63
	22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.77 6.71 40.28	89.53
22 13 16 00-0403	No Hub Cast Iron Two-Way Cleanout Tees <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.08 8.81 52.87	117.58
	22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	377.30 13.39 80.36	178.62
22 13 16 00-0406	No Hub Cast Iron Cleanout Plugs <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.20 3.00 18.00	40.04
	22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.53 3.44 20.63	45.81

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug	109.47	60.63
For Below Ground Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.29	
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug	168.85	89.53
For Below Ground Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug	223.76	117.58
For Below Ground Installation, Add	8.81	
For Work In Restricted Working Space, Add	52.87	
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross	139.76	78.95
For Below Ground Installation, Add	5.92	
For Work In Restricted Working Space, Add	35.54	
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross	149.20	81.77
For Below Ground Installation, Add	6.13	
For Work In Restricted Working Space, Add	36.78	
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross	176.16	89.53
For Below Ground Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross	254.96	117.58
For Below Ground Installation, Add	8.81	
For Work In Restricted Working Space, Add	52.87	
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross	195.15	105.03
For Below Ground Installation, Add	7.87	
For Work In Restricted Working Space, Add	47.24	
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross	215.34	108.13
For Below Ground Installation, Add	8.11	
For Work In Restricted Working Space, Add	48.64	
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross	233.44	112.93
For Below Ground Installation, Add	8.46	
For Work In Restricted Working Space, Add	50.76	
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer	131.51	81.77
For Below Ground Installation, Add	6.13	
For Work In Restricted Working Space, Add	36.78	
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer	179.48	110.67
For Below Ground Installation, Add	8.29	
For Work In Restricted Working Space, Add	49.76	
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer	179.90	110.67
For Below Ground Installation, Add	8.29	
For Work In Restricted Working Space, Add	49.76	
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer	194.86	116.67
For Below Ground Installation, Add	8.74	
For Work In Restricted Working Space, Add	52.46	
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer	197.63	116.67
For Below Ground Installation, Add	8.74	
For Work In Restricted Working Space, Add	52.46	
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer	198.72	116.67
For Below Ground Installation, Add	8.74	
For Work In Restricted Working Space, Add	52.46	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer	228.80	129.66
For Below Ground Installation, Add	9.72	
For Work In Restricted Working Space, Add	58.29	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer	229.22	129.66
For Below Ground Installation, Add	9.72	
For Work In Restricted Working Space, Add	58.29	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer	230.47	129.66
For Below Ground Installation, Add	9.72	
For Work In Restricted Working Space, Add	58.29	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer	320.66	183.22
For Below Ground Installation, Add	13.73	
For Work In Restricted Working Space, Add	82.41	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer	323.84	183.22
For Below Ground Installation, Add	13.73	
For Work In Restricted Working Space, Add	82.41	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer	328.95	183.22
For Below Ground Installation, Add	13.73	
For Work In Restricted Working Space, Add	82.41	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer	334.28	183.22
For Below Ground Installation, Add	13.73	
For Work In Restricted Working Space, Add	82.41	
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer	334.90	183.22
For Below Ground Installation, Add	13.73	
For Work In Restricted Working Space, Add	82.41	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer	388.43	193.27
For Below Ground Installation, Add	14.49	
For Work In Restricted Working Space, Add	86.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.19 15.13 90.77	201.77
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	460.88 16.42 98.51	219.02
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.88 1.44 8.63	19.19
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.90 1.50 9.00	20.02
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.09 1.72 10.31	22.98
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.13 2.27 13.63	30.31
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.80 2.40 14.43	32.11
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.37 2.82 16.94	37.60
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.65 3.68 22.06	49.05
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.58 3.96 23.75	52.79
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.10 3.00 18.00	40.04
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.04 3.44 20.63	45.81
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.64 4.55 27.29	60.63
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.31 4.76 28.58	63.58
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.88 5.68 34.10	75.82
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.40 3.81 22.86	50.89
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.34 5.07 30.43	67.68
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.54 6.70 40.18	89.39
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.65 4.55 27.29	60.63
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.60 4.55 27.29	60.63
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.29 4.55 27.29	60.63
22 13 16 00-0463 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter.....	91.75	50.89
For Below Ground Installation, Add	3.81	
For Work In Restricted Working Space, Add	22.86	
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter.....	96.55	50.89
For Below Ground Installation, Add	3.81	
For Work In Restricted Working Space, Add	22.86	
22 13 16 00-0466 No Hub Couplings <small>(22 13 16 00-0278)</small>		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.		
22 13 16 00-0467 EA 1-1/2" No Hub Coupling.....	8.54	
For Medium Duty (Fernco MD-2000), Add	1.11	
For Heavy Duty (Fernco HD-4000), Add	2.31	
22 13 16 00-0468 EA 2" No Hub Coupling.....	8.54	
For Medium Duty (Fernco MD-2000), Add	1.11	
For Heavy Duty (Fernco HD-4000), Add	2.31	
22 13 16 00-0469 EA 3" No Hub Coupling.....	10.14	
For Medium Duty (Fernco MD-2000), Add	1.32	
For Heavy Duty (Fernco HD-4000), Add	2.74	
22 13 16 00-0470 EA 4" No Hub Coupling.....	12.04	
For Medium Duty (Fernco MD-2000), Add	1.57	
For Heavy Duty (Fernco HD-4000), Add	3.25	
22 13 16 00-0471 EA 5" No Hub Coupling.....	27.83	
For Medium Duty (Fernco MD-2000), Add	3.62	
For Heavy Duty (Fernco HD-4000), Add	7.51	
22 13 16 00-0472 EA 6" No Hub Coupling.....	30.59	
For Medium Duty (Fernco MD-2000), Add	3.98	
For Heavy Duty (Fernco HD-4000), Add	8.26	
22 13 16 00-0473 EA 8" No Hub Coupling.....	57.62	
For Medium Duty (Fernco MD-2000), Add	7.49	
For Heavy Duty (Fernco HD-4000), Add	15.56	
22 13 16 00-0474 EA 10" No Hub Coupling.....	79.38	
For Medium Duty (Fernco MD-2000), Add	10.32	
For Heavy Duty (Fernco HD-4000), Add	21.43	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling.....	10.14	
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling.....	15.72	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling.....	21.94	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling.....	18.69	
22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts <small>(22 13 16 00-0278)</small>		
Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	34.37	
22 13 16 00-0481 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	35.48	
22 13 16 00-0482 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	37.25	
22 13 16 00-0483 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	43.46	
22 13 16 00-0484 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	82.05	
22 13 16 00-0485 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	112.65	
22 13 16 00-0486 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	197.36	
22 13 16 00-0487 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	301.58	
22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0268)</small>		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	13.78	
For Work In Restricted Working Space, Add	4.13	
22 13 16 00-0490 EA Cut And Prepare 2" Cast Iron Pipe, No Hub.....	16.85	
For Work In Restricted Working Space, Add	5.06	
22 13 16 00-0491 EA Cut And Prepare 3" Cast Iron Pipe, No Hub.....	18.38	
For Work In Restricted Working Space, Add	5.51	
22 13 16 00-0492 EA Cut And Prepare 4" Cast Iron Pipe, No Hub.....	22.97	
For Work In Restricted Working Space, Add	6.89	
22 13 16 00-0493 EA Cut And Prepare 6" Cast Iron Pipe, No Hub.....	27.56	
For Work In Restricted Working Space, Add	8.27	
22 13 16 00-0494 EA Cut And Prepare 8" Cast Iron Pipe, No Hub.....	36.75	
For Work In Restricted Working Space, Add	11.03	
22 13 16 00-0495 EA Cut And Prepare 10" Cast Iron Pipe, No Hub.....	42.88	
For Work In Restricted Working Space, Add	12.86	
22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe <small>(22 13 16)</small>		
See CSI section 22 11 16 00-0436 for copper and brass fittings.		
22 13 16 00-0497 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	20.72	6.63
22 13 16 00-0498 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	24.63	7.40
22 13 16 00-0499 LF 2" Hard Drawn DWV Copper Tube/Pipe.....	31.63	9.13
22 13 16 00-0500 LF 3" Hard Drawn DWV Copper Tube/Pipe.....	69.20	12.65
22 13 16 00-0501 LF 4" Hard Drawn DWV Copper Tube/Pipe.....	95.37	14.27
22 13 16 00-0502 LF 5" Hard Drawn DWV Copper Tube/Pipe.....	182.97	16.38
22 13 16 00-0503 LF 6" Hard Drawn DWV Copper Tube/Pipe.....	261.74	25.39



	Plumbing 22	
	Plumbing Piping 22 10	22
	Facility Sanitary Sewerage 22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings ^(22 13 16) Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies ^(22 13 16 00-0504)		
22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies ^(22 13 16 00-0505) Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.		
22 13 16 00-0507 LF 1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	15.73	
For Work In Restricted Working Space, Add	3.30	
22 13 16 00-0508 LF 2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	19.07	
For Work In Restricted Working Space, Add	4.02	
22 13 16 00-0509 LF 3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	30.88	
For Work In Restricted Working Space, Add	5.69	
22 13 16 00-0510 LF 4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	38.97	
For Work In Restricted Working Space, Add	6.26	
22 13 16 00-0511 LF 6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	66.48	
For Work In Restricted Working Space, Add	8.06	
22 13 16 00-0512 LF 8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	94.95	
For Work In Restricted Working Space, Add	10.77	
22 13 16 00-0513 LF 10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	137.20	
For Work In Restricted Working Space, Add	14.36	
22 13 16 00-0514 Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies ^(22 13 16 00-0505) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515 LF 1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.69	5.92
For Work In Restricted Working Space, Add	6.79	
22 13 16 00-0516 LF 2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	35.62	7.05
For Work In Restricted Working Space, Add	7.55	
22 13 16 00-0517 LF 3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.99	10.15
For Work In Restricted Working Space, Add	9.38	
22 13 16 00-0518 LF 4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.41	11.00
For Work In Restricted Working Space, Add	10.24	
22 13 16 00-0519 LF 6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	93.06	14.10
For Work In Restricted Working Space, Add	13.12	
22 13 16 00-0520 LF 8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	121.64	18.75
For Work In Restricted Working Space, Add	15.03	
22 13 16 00-0521 LF 10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	170.06	25.10
For Work In Restricted Working Space, Add	19.59	
22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ^(22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0523 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) ^(22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0524 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... For Work In Restricted Working Space, Add	12.42 2.64	5.92
22 13 16 00-0525 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... For Work In Restricted Working Space, Add	15.29 3.17	7.05
22 13 16 00-0526 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... For Work In Restricted Working Space, Add	24.64 4.55	10.15
22 13 16 00-0527 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... For Work In Restricted Working Space, Add	29.83 4.94	11.00

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0528 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	42.56 5.61	12.49
22 13 16 00-0529 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	61.16 7.49	16.61
22 13 16 00-0530 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	88.74 9.99	22.23
22 13 16 00-0531 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0532 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	11.34 2.64	5.92
22 13 16 00-0533 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	14.01 3.17	7.05
22 13 16 00-0534 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.22 4.55	10.15
22 13 16 00-0535 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.62 4.94	11.00
22 13 16 00-0536 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.58 5.61	12.49
22 13 16 00-0537 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	52.76 7.49	16.61
22 13 16 00-0538 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	79.60 9.99	22.23
22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)		
22 13 16 00-0540 Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0541 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	41.45 10.58	23.54
22 13 16 00-0542 EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	52.98 13.53	30.03
22 13 16 00-0543 EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	85.08 18.19	40.32
22 13 16 00-0544 EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	122.37 21.15	46.95
22 13 16 00-0545 EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	407.32 27.49	61.05
22 13 16 00-0546 EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	664.10 37.01	82.20
22 13 16 00-0547 EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	877.40 49.34	109.54
22 13 16 00-0548 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0549 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	58.86 10.58	23.54
22 13 16 00-0550 EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	63.00 13.53	30.03
22 13 16 00-0551 EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	110.84 18.19	40.32
22 13 16 00-0552 EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	169.60 21.15	46.95
22 13 16 00-0553 EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	316.10 27.49	61.05
22 13 16 00-0554 EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	544.21 37.01	82.20
22 13 16 00-0555 EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	875.25 49.34	109.54
22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0557 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	42.88 10.58	23.54
22 13 16 00-0558 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	52.86 13.53	30.03
22 13 16 00-0559 EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	82.93 18.19	40.32
22 13 16 00-0560 EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	111.87 21.15	46.95
22 13 16 00-0561 EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	380.61 27.49	61.05
22 13 16 00-0562 EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	602.00 37.01	82.20
22 13 16 00-0563 EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	694.75 49.34	109.54
22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0565 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	63.95 15.86	35.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0566	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	83.54 20.30	45.11
22 13 16 00-0567	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	133.15 27.28	60.63
22 13 16 00-0568	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	186.24 31.72	70.49
22 13 16 00-0569	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	605.70 41.24	91.50
22 13 16 00-0570	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	790.37 55.51	123.21
22 13 16 00-0571			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0572	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	77.84 17.34	38.48
22 13 16 00-0573	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	90.41 18.82	41.73
22 13 16 00-0574	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	78.60 18.82	41.73
22 13 16 00-0575	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	110.56 23.47	52.16
22 13 16 00-0576	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	113.95 24.95	55.41
22 13 16 00-0577	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	131.52 26.43	58.65
22 13 16 00-0578	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	202.17 27.92	62.03
22 13 16 00-0579	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	249.16 30.24	67.10
22 13 16 00-0580	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	579.71 38.06	84.45
22 13 16 00-0581	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,734.88 47.58	105.60
22 13 16 00-0582	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,796.28 50.75	112.64
22 13 16 00-0583			Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0584	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	103.88 21.15	46.95
22 13 16 00-0585	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	139.13 27.07	60.05
22 13 16 00-0586	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	258.39 36.37	80.78
22 13 16 00-0587	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	361.49 42.29	93.89
22 13 16 00-0588			Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0589	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	124.56 24.11	53.58
22 13 16 00-0590	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	199.68 28.76	63.86
22 13 16 00-0591	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	228.75 31.72	70.49
22 13 16 00-0592	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	386.49 34.68	76.98
22 13 16 00-0593	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	409.45 39.34	87.26
22 13 16 00-0594			Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0539)		
22 13 16 00-0595	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	52.58 12.05	26.79
22 13 16 00-0596	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	87.54 14.38	31.86
22 13 16 00-0597	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	86.01 15.86	35.25
22 13 16 00-0598	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	123.39 17.34	38.48
22 13 16 00-0599	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	134.13 19.67	43.70
22 13 16 00-0600	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	422.58 22.84	50.75
22 13 16 00-0601	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	359.30 24.32	54.00
22 13 16 00-0602	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	860.40 29.08	64.57
22 13 16 00-0603	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	735.66 32.25	71.62
22 13 16 00-0604	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	983.03 38.42	85.29

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0605 EA 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	785.33 43.18	95.87
22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0539)		
22 13 16 00-0607 EA 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	74.57 15.86	35.25
22 13 16 00-0608 EA 2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	97.26 20.30	45.11
22 13 16 00-0609 EA 3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	238.22 27.28	60.63
22 13 16 00-0610 EA 4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	456.49 31.72	70.49
22 13 16 00-0611 EA 6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	757.61 41.24	91.50
22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0539)		
22 13 16 00-0613 EA 4" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	112.11 21.15	46.95
22 13 16 00-0614 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	94.65 19.67	43.70
22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0539)		
22 13 16 00-0616 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	75.04 15.86	35.25
22 13 16 00-0617 EA 2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	89.98 20.30	45.11
22 13 16 00-0618 EA 3" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	141.38 27.28	60.63
22 13 16 00-0619 EA 4" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	199.72 31.72	70.49
22 13 16 00-0620 EA 6" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	555.13 41.24	91.50
22 13 16 00-0621 EA 8" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	694.31 55.51	123.21
22 13 16 00-0622 EA 10" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	914.96 74.01	164.24
22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0539)		
22 13 16 00-0624 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	97.40 17.34	38.48
22 13 16 00-0625 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	101.98 18.82	41.73
22 13 16 00-0626 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	139.88 23.47	52.16
22 13 16 00-0627 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	122.18 24.95	55.41
22 13 16 00-0628 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	185.98 26.43	58.65
22 13 16 00-0629 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	168.54 27.92	62.03
22 13 16 00-0630 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	188.93 30.24	67.10
22 13 16 00-0631 EA 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	500.85 36.59	81.20
22 13 16 00-0632 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	611.48 38.06	84.45
22 13 16 00-0633 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	595.08 47.58	105.60
22 13 16 00-0634 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	740.29 50.75	112.64
22 13 16 00-0635 EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	691.49 59.92	132.95
22 13 16 00-0636 EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	848.32 63.09	140.00
22 13 16 00-0637 EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	980.96 67.84	150.56
22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0539)		
22 13 16 00-0639 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	117.72 21.15	46.95
22 13 16 00-0640 EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	150.93 27.07	60.05
22 13 16 00-0641 EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	278.07 36.37	80.78
22 13 16 00-0642 EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	458.93 42.29	93.89
22 13 16 00-0643 EA 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	903.36 54.98	122.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0644	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,059.39 74.02	164.38
22 13 16 00-0645	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,623.91 98.68	219.08
22 13 16 00-0646			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0539)		
22 13 16 00-0647	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	135.82 24.11	53.58
22 13 16 00-0648	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	233.48 28.76	63.86
22 13 16 00-0649	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	222.50 31.72	70.49
22 13 16 00-0650	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	306.20 34.68	76.98
22 13 16 00-0651	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	382.88 39.34	87.26
22 13 16 00-0652	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	575.63 48.64	107.99
22 13 16 00-0653	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	675.33 58.15	129.14
22 13 16 00-0654	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	848.01 64.50	143.23
22 13 16 00-0655	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	898.80 70.49	156.49
22 13 16 00-0656	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,149.21 76.83	170.59
22 13 16 00-0657	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,381.80 86.35	191.73
22 13 16 00-0658			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0659	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	88.88 15.86	35.25
22 13 16 00-0660	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	111.57 20.30	45.11
22 13 16 00-0661	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	206.25 27.28	60.63
22 13 16 00-0662	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	345.22 31.72	70.49
22 13 16 00-0663			Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0664	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	153.62 18.82	41.73
22 13 16 00-0665	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	236.12 23.47	52.16
22 13 16 00-0666	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	181.86 24.95	55.41
22 13 16 00-0667	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	312.57 27.92	62.03
22 13 16 00-0668	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	338.57 30.24	67.10
22 13 16 00-0669			Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0670	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	128.45 21.15	46.95
22 13 16 00-0671	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	152.13 27.07	60.05
22 13 16 00-0672	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	228.81 36.37	80.78
22 13 16 00-0673	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	707.71 42.29	93.89
22 13 16 00-0674	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	2,240.81 54.98	122.09
22 13 16 00-0675			Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0676	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	270.01 24.11	53.58
22 13 16 00-0677	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	427.05 31.72	70.49
22 13 16 00-0678	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	714.43 34.68	76.98
22 13 16 00-0679	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	655.19 39.34	87.26
22 13 16 00-0680	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	1,506.31 48.64	107.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <small>(22 13 16 00-0539)</small>		
22 13 16 00-0682 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	173.25 20.30	45.11
22 13 16 00-0683 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	292.61 27.28	60.63
22 13 16 00-0684 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	456.55 31.72	70.49
22 13 16 00-0685 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,156.80 41.24	91.50
22 13 16 00-0686 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,454.20 55.51	123.21
22 13 16 00-0687 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	1,930.13 74.01	164.24
22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0539)</small>		
22 13 16 00-0689 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	53.50 10.58	23.54
22 13 16 00-0690 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	74.57 13.53	30.03
22 13 16 00-0691 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	105.95 18.19	40.32
22 13 16 00-0692 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	176.99 21.15	46.95
22 13 16 00-0693 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	383.95 27.49	61.05
22 13 16 00-0694 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	836.13 37.01	82.20
22 13 16 00-0695 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,520.32 49.31	109.54
22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings <small>(22 13 16 00-0539)</small>		
22 13 16 00-0697 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	40.66 10.58	23.54
22 13 16 00-0698 EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	51.19 13.53	30.03
22 13 16 00-0699 EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	76.18 18.19	40.32
22 13 16 00-0700 EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	96.04 21.15	46.95
22 13 16 00-0701 EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	232.63 27.49	61.05
22 13 16 00-0702 EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	530.63 37.01	82.20
22 13 16 00-0703 EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	795.61 49.34	109.54
22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters <small>(22 13 16 00-0539)</small>		
22 13 16 00-0705 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	23.09 5.29	11.70
22 13 16 00-0706 EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	36.02 6.77	15.08
22 13 16 00-0707 EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	67.65 9.09	20.16
22 13 16 00-0708 EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	120.82 10.58	23.54
22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0504)</small>		
Note: In place piping.		
22 13 16 00-0710 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	10.33	
22 13 16 00-0711 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	11.37	
22 13 16 00-0712 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	14.48	
22 13 16 00-0713 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	19.52	
22 13 16 00-0714 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	27.90	
22 13 16 00-0715 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	37.21	
22 13 16 00-0716 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	45.49	
22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 13 16)</small>		
Note: Aboveground installation.		
22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies <small>(22 13 16 00-0717)</small>		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0719 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	34.60 8.11	5.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0720 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	38.45 8.98	7.05
22 13 16 00-0721 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	52.62 11.16	10.15
22 13 16 00-0722 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	60.65 12.39	11.00
22 13 16 00-0723 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	101.57 16.48	14.10
22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0717) Note: Excludes fittings or hangers.		
22 13 16 00-0725 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	12.00 2.64	5.92
22 13 16 00-0726 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	14.85 3.17	7.05
22 13 16 00-0727 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	24.02 4.55	10.15
22 13 16 00-0728 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	29.11 4.94	11.00
22 13 16 00-0729 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	44.52 5.61	12.49
22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0717)		
22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0730)		
22 13 16 00-0732 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	48.82 10.58	23.54
22 13 16 00-0733 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	64.46 13.53	30.03
22 13 16 00-0734 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	120.33 18.19	40.32
22 13 16 00-0735 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	187.47 21.15	46.95
22 13 16 00-0736 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	528.26 27.49	61.05
22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0730)		
22 13 16 00-0738 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	67.57 10.58	23.54
22 13 16 00-0739 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	82.79 13.53	30.03
22 13 16 00-0740 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	165.85 18.19	40.32
22 13 16 00-0741 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	278.03 21.15	46.95
22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0730)		
22 13 16 00-0743 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.35 10.58	23.54
22 13 16 00-0744 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	62.68 13.53	30.03
22 13 16 00-0745 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	111.00 18.19	40.32
22 13 16 00-0746 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	170.24 21.15	46.95
22 13 16 00-0747 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	546.43 27.49	61.05
22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0749 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	75.96 15.86	35.25
22 13 16 00-0750 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	102.40 20.30	45.11
22 13 16 00-0751 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	179.40 27.28	60.63
22 13 16 00-0752 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	275.72 31.72	70.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0753 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,058.82 41.24	91.50
22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0755 EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	94.63 17.34	38.48
22 13 16 00-0756 EA 2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	114.46 18.82	41.73
22 13 16 00-0757 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	96.02 18.82	41.73
22 13 16 00-0758 EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	145.81 23.47	52.16
22 13 16 00-0759 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	151.37 24.95	55.41
22 13 16 00-0760 EA 4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	333.10 26.43	58.65
22 13 16 00-0761 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	321.74 27.92	62.03
22 13 16 00-0762 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	368.98 30.24	67.10
22 13 16 00-0763 EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,157.03 38.06	84.45
22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0765 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	140.66 21.15	46.95
22 13 16 00-0766 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	192.60 27.07	60.05
22 13 16 00-0767 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	408.82 36.37	80.78
22 13 16 00-0768 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	601.89 42.29	93.89
22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0770 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	159.95 24.11	53.58
22 13 16 00-0771 EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	242.44 28.76	63.86
22 13 16 00-0772 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	279.16 31.72	70.49
22 13 16 00-0773 EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	484.38 30.73	68.20
22 13 16 00-0774 EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	508.66 34.85	77.32
22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0730)		
22 13 16 00-0776 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	99.37 15.86	35.25
22 13 16 00-0777 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	115.43 20.30	45.11
22 13 16 00-0778 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	196.60 27.28	60.63
22 13 16 00-0779 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	302.62 31.72	70.49
22 13 16 00-0780 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	859.88 41.24	91.50
22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0730)		
22 13 16 00-0782 EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	140.77 17.34	38.48
22 13 16 00-0783 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	144.87 18.82	41.73
22 13 16 00-0784 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	165.31 24.95	55.41
22 13 16 00-0785 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	251.24 27.92	62.03
22 13 16 00-0786 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	285.61 30.24	67.10
22 13 16 00-0787 EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	723.76 38.06	84.45
22 13 16 00-0788 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0730)		
22 13 16 00-0789 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	169.40 21.15	46.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0790 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	217.45 27.07	60.05
22 13 16 00-0791 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	450.14 36.37	80.78
22 13 16 00-0792 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	807.23 42.29	93.89
22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0794 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	196.55 24.11	53.58
22 13 16 00-0795 EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	327.86 28.76	63.86
22 13 16 00-0796 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	349.92 31.72	70.49
22 13 16 00-0797 EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	515.06 34.68	76.98
22 13 16 00-0798 EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	658.76 39.34	87.26
22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0800 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	127.15 15.86	35.25
22 13 16 00-0801 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	164.22 20.30	45.11
22 13 16 00-0802 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	249.99 27.28	60.63
22 13 16 00-0803 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	405.94 28.10	62.46
22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0805 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	140.92 18.82	41.73
22 13 16 00-0806 EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	263.36 23.47	52.16
22 13 16 00-0807 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	198.87 24.95	55.41
22 13 16 00-0808 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	350.74 27.92	62.03
22 13 16 00-0809 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	379.83 30.24	67.10
22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0811 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	265.00 27.07	60.05
22 13 16 00-0812 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	524.34 36.37	80.78
22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0814 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	221.01 24.11	53.58
22 13 16 00-0815 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	501.96 31.72	70.49
22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0730)</small>		
22 13 16 00-0817 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	140.23 15.86	35.25
22 13 16 00-0818 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	177.30 20.30	45.11
22 13 16 00-0819 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	279.24 27.28	60.63
22 13 16 00-0820 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	457.73 31.72	70.49
22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0730)</small>		
22 13 16 00-0822 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	65.20 10.58	23.54
22 13 16 00-0823 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	93.45 13.53	30.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0824 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	134.92 18.19	40.32
22 13 16 00-0825 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	245.37 21.15	46.95
22 13 16 00-0826 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	571.76 27.49	61.05
22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0828 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	45.57 10.58	23.54
22 13 16 00-0829 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	56.00 13.53	30.03
22 13 16 00-0830 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	90.24 18.19	40.32
22 13 16 00-0831 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	119.31 21.15	46.95
22 13 16 00-0832 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	332.94 27.49	61.05
22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <small>(22 13 16 00-0730)</small>		
22 13 16 00-0834 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	66.35 12.05	26.79
22 13 16 00-0835 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	130.91 14.38	31.86
22 13 16 00-0836 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	122.44 15.86	35.25
22 13 16 00-0837 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	195.03 17.34	38.48
22 13 16 00-0838 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	209.13 19.67	43.70
22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <small>(22 13 16 00-0730)</small>		
22 13 16 00-0840 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	103.60 15.86	35.25
22 13 16 00-0841 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	149.81 20.30	45.11
22 13 16 00-0842 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	467.09 27.28	60.63
22 13 16 00-0843 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	876.40 31.72	70.49
22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <small>(22 13 16 00-0730)</small>		
22 13 16 00-0845 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	141.33 21.15	46.95
22 13 16 00-0846 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	131.99 19.67	43.70
22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <small>(22 13 16 00-0730)</small>		
22 13 16 00-0848 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	30.79 5.29	11.70
22 13 16 00-0849 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	45.91 6.77	15.08
22 13 16 00-0850 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	98.33 9.09	20.16
22 13 16 00-0851 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	185.74 10.58	23.54
22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0853 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	51.07 12.05	26.79
22 13 16 00-0854 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	106.66 14.38	31.86
22 13 16 00-0855 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	90.17 15.86	35.25
22 13 16 00-0856 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	193.14 17.34	38.48
22 13 16 00-0857 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	143.98 19.67	43.70
22 13 16 00-0858 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	379.37 21.55	47.84
22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0860 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	124.70 10.58	23.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0861 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	140.52 13.53	30.03
22 13 16 00-0862 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	162.01 18.19	40.32
22 13 16 00-0863 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	177.83 21.15	46.95
22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0717)</small> Note: In place piping.		
22 13 16 00-0865 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.33	
22 13 16 00-0866 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.37	
22 13 16 00-0867 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.48	
22 13 16 00-0868 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	19.52	
22 13 16 00-0869 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	27.90	
22 13 16 00-0870 Elastomeric Flexible Pipe Couplings <small>(22 13 16)</small>		
22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings <small>(22 13 16 00-0870)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	16.70	6.12
<i>For Work In Restricted Working Space, Add</i>	3.68	
22 13 16 00-0873 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	17.95	6.50
<i>For Work In Restricted Working Space, Add</i>	3.91	
22 13 16 00-0874 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	18.90	6.90
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 13 16 00-0875 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	21.47	7.28
<i>For Work In Restricted Working Space, Add</i>	4.37	
22 13 16 00-0876 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	23.97	7.66
<i>For Work In Restricted Working Space, Add</i>	4.59	
22 13 16 00-0877 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	29.65	8.04
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 13 16 00-0878 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	35.37	8.42
<i>For Work In Restricted Working Space, Add</i>	5.06	
22 13 16 00-0879 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	46.86	9.19
<i>For Work In Restricted Working Space, Add</i>	5.51	
22 13 16 00-0880 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	61.03	10.72
<i>For Work In Restricted Working Space, Add</i>	6.43	
22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings <small>(22 13 16 00-0870)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	17.78	6.50
<i>For Work In Restricted Working Space, Add</i>	3.91	
22 13 16 00-0883 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	19.19	6.90
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 13 16 00-0884 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	22.89	7.28
<i>For Work In Restricted Working Space, Add</i>	4.37	
22 13 16 00-0885 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	20.94	7.28
<i>For Work In Restricted Working Space, Add</i>	4.37	
22 13 16 00-0886 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	27.48	7.66
<i>For Work In Restricted Working Space, Add</i>	4.59	
22 13 16 00-0887 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	26.49	7.66
<i>For Work In Restricted Working Space, Add</i>	4.59	
22 13 16 00-0888 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	24.63	7.66
<i>For Work In Restricted Working Space, Add</i>	4.59	
22 13 16 00-0889 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	34.00	8.04
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 13 16 00-0890 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	31.16	8.04
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 13 16 00-0891 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	41.22	8.42
<i>For Work In Restricted Working Space, Add</i>	5.06	
22 13 16 00-0892 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	36.98	8.42
<i>For Work In Restricted Working Space, Add</i>	5.06	
22 13 16 00-0893 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	38.16	8.42
<i>For Work In Restricted Working Space, Add</i>	5.06	
22 13 16 00-0894 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	74.22	15.31
<i>For Work In Restricted Working Space, Add</i>	9.19	
22 13 16 00-0895 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	62.47	15.31
<i>For Work In Restricted Working Space, Add</i>	9.19	
22 13 16 00-0896 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	77.82	17.23
<i>For Work In Restricted Working Space, Add</i>	10.34	
22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) <small>(22 13 16)</small> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898 EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	65.98	41.34

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0899 EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	70.61	43.95
22 13 16 00-0900 EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	81.57	50.38
22 13 16 00-0901 EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	107.72	66.62
22 13 16 00-0902 EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	129.00	79.63
22 13 16 00-0903 EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	149.19	91.88
22 13 16 00-0904 EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	197.56	116.38
22 13 16 00-0905 EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	238.23	130.16
22 13 16 00-0906 EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	293.83	144.71
22 13 16 00-0907 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)		
22 13 16 00-0908 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	113.37	31.72
22 13 16 00-0909 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	120.42	35.25
22 13 16 00-0910 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	177.23	45.81
22 13 16 00-0911 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	207.38	52.86
22 13 16 00-0912 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	241.07	59.91
22 13 16 00-0913 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	390.69	66.96
22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)		
22 13 16 00-0915 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	218.95	31.72
22 13 16 00-0916 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	226.00	35.25
22 13 16 00-0917 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	270.40	45.81
22 13 16 00-0918 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	336.32	52.86
22 13 16 00-0919 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	454.09	59.91
22 13 16 00-0920 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	468.19	66.96
22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	404.82	31.72
22 13 16 00-0923 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	411.87	35.25
22 13 16 00-0924 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	475.69	45.81
22 13 16 00-0925 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	536.02	52.86
22 13 16 00-0926 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	624.80	59.91
22 13 16 00-0927 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	683.35	66.96
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	927.65	151.55
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003 EA Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	1,020.15	169.88
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004 EA Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	1,000.54	187.93
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005 EA Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	1,039.25	207.38
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0006 EA Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	935.53	169.88
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0007 EA Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	971.76	187.93
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0008 EA Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	1,010.47	207.38
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0009 EA Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,528.47	169.88
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0010 EA Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,564.70	187.93
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0011 EA Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,603.41	207.38
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0012 EA Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,442.12	169.88
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0013 EA Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,478.15	187.93
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0014 EA Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,517.06	207.38
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0015 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,580.12	169.74
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0016 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,616.31	187.93
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0017	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,655.22	207.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,466.65	169.74
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0019	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,502.84	187.93
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0020	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,541.75	207.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	2,348.64	169.74
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0022	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	2,384.83	187.93
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0023	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	2,423.74	207.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0024			Square Or Rectangular Top Drains <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,099.43	169.74
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,136.03 105.00 22.50 11.00	188.07
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,174.53 105.00 22.50 11.00	207.38
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,185.78 105.00 22.50 11.00	169.74
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,222.38 105.00 22.50 11.00	188.07
22 13 19 13-0030 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,260.88 105.00 22.50 11.00	207.38
22 13 19 13-0031 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,565.73 105.00 22.50 11.00	169.74
22 13 19 13-0032 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,602.33 105.00 22.50 11.00	188.07
22 13 19 13-0033 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,640.83 105.00 22.50 11.00	207.38
22 13 19 13-0034 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,036.11 105.00 22.50 11.00	169.74
22 13 19 13-0035 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,072.71 105.00 22.50 11.00	188.07
22 13 19 13-0036 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,111.21 105.00 22.50 11.00	207.38
22 13 19 13-0037 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,145.49 105.00 22.50 11.00	169.74
22 13 19 13-0038 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,182.09 105.00 22.50 11.00	188.07
22 13 19 13-0039 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,220.59 105.00 22.50 11.00	207.38
22 13 19 13-0040 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,453.47 105.00 22.50 11.00	169.74
22 13 19 13-0041 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,490.07 105.00 22.50 11.00	188.07
22 13 19 13-0042 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,528.57 105.00 22.50 11.00	207.38
22 13 19 13-0043 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,712.16 48.50 76.00 318.00	188.07
22 13 19 13-0044 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,750.66 48.50 76.00 318.00	207.38
22 13 19 13-0045 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	4,650.50 48.50 76.00 318.00	188.07
22 13 19 13-0046 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	4,689.00 48.50 76.00 318.00	207.38

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	4,538.24	188.07
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	4,576.74	207.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,588.75	169.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,625.35	188.07
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,663.85	207.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,034.90	169.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,071.50	188.07
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,110.00	207.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,138.52	169.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,175.12	188.07
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,213.62	207.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,941.58	169.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,978.18	188.07
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	3,016.68	207.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,496.65	169.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,533.25	188.07
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,571.75	207.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,876.59	169.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,913.19	188.07
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,951.69	207.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,980.21	169.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,016.81 22.50 11.00 120.94	188.07
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,055.31 22.50 11.00 120.94	207.38
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,633.59 22.50 11.00 120.94	169.74
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,670.19 22.50 11.00 120.94	188.07
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	2,708.69 22.50 11.00 120.94	207.38
22 13 19 13-0073 Funnel Type Floor Drains <small>(22 13 19 13)</small>					
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,497.70 105.00 -19.50 11.00	151.55
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,534.07 105.00 -19.50 11.00	169.74
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,570.26 105.00 -19.50 11.00	187.93
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,609.17 105.00 -19.50 11.00	207.38
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	2,181.69 105.00 -19.50 11.00	169.74
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	2,217.88 105.00 -19.50 11.00	187.93
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	2,256.79 105.00 -19.50 11.00	207.38
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	2,069.44 105.00 -19.50 11.00	169.74
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	2,105.63 105.00 -19.50 11.00	187.93
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	2,144.54 105.00 -19.50 11.00	207.38
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet <small>(22 13 19 13)</small>					
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap..... <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,143.98 33.50 30.50 247.00	151.55
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap..... <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,180.48 33.50 30.50 247.00	169.74
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap..... <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,216.67 33.50 30.50 247.00	187.93
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap..... <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,255.58 33.50 30.50 247.00	207.38

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,295.71	227.40
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,399.24	169.74
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,435.84	188.07
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,474.34	207.38
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0093 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,514.47	227.40
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,101.10	169.74
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,137.70	188.07
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,176.20	207.38
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,216.33	227.40
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,174.72	169.74
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,211.32	188.07
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,249.82	207.38
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,289.95	227.40
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0102 Other Drains (22 13 19 13)		
22 13 19 13-0103 Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104 EA 4-1/4" Stainless Steel Shower Drain Strainer.....	56.76	15.31
Note: Includes two 2-5/8" screws.		
22 13 19 13-0105 EA 4-1/4" Brass Shower Drain Strainer.....	62.67	15.31
Note: Includes two 2-5/8" screws.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	22 13 19	13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe..... Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	132.33	30.63	
	22 13 19	13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	166.29	30.63	
22 13 19	13-0108	Acid Resistant Floor Drains <small>(22 13 19 13-0102)</small>					
	22 13 19	13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	1,509.08 87.50 33.50 30.50	151.55	
	22 13 19	13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	1,545.58 87.50 33.50 30.50	169.74	
	22 13 19	13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	1,581.77 87.50 33.50 30.50	187.93	
22 13 19	13-0112	Rotary And Lever Drains <small>(22 13 19 13-0102)</small>					
	22 13 19	13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	314.47	102.21	
	22 13 19	13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening.....	335.61	112.79	
	22 13 19	13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	314.47	102.21	
	22 13 19	13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	335.61	112.79	
	22 13 19	13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	314.47	102.21	
	22 13 19	13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	335.61	112.79	
	22 13 19	13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	314.47	102.21	
	22 13 19	13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	335.61	112.79	
	22 13 19	13-0121	EA	Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	420.51	112.79	
22 13 19	13-0122	Floor Receptor <small>(22 13 19 13)</small>					
22 13 19	13-0123	9" Diameter Round Shallow Receptor <small>(22 13 19 13-0122)</small> Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.					
	22 13 19	13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,848.03 58.50 97.00 38.00 36.00 33.50 47.00 62.50	169.88	
	22 13 19	13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,884.81 58.50 97.00 38.00 36.00 33.50 47.00 62.50	188.21	
	22 13 19	13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,922.91 58.50 97.00 38.00 36.00 33.50 47.00 62.50	207.38	
22 13 19	13-0127	Square Top Floor Receptors <small>(22 13 19 13-0122)</small> Note: With acid resistant coating.					
	22 13 19	13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,168.35 37.50 69.00 39.50 36.00 15.50 88.00 97.00	151.55	
	22 13 19	13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,204.88 37.50 69.00 39.50 36.00 15.50 88.00 97.00	169.88	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0130	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,240.91 37.50 69.00 39.50 36.00 15.50 88.00 97.00	187.93
22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,279.82 37.50 69.00 39.50 36.00 15.50 88.00 97.00	207.38
22 13 19 13-0132			Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H)..... <i>Note: Prevents emission of sewer gases.</i>	119.10	17.62
22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) <i>Note: Prevents emission of sewer gases.</i>	98.14	17.62
22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) <i>Note: Prevents emission of sewer gases.</i>	106.52	17.62
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... <i>Note: Prevents emission of sewer gases.</i>	127.49	17.62
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)..... <i>Note: Prevents emission of sewer gases.</i>	114.91	17.62
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) <i>Note: Prevents emission of sewer gases.</i>	161.26	17.62
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) <i>Note: Prevents emission of sewer gases.</i>	178.13	17.62
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) <i>Note: Prevents emission of sewer gases.</i>	220.00	17.62
22 13 19 26			Grease Removal Devices (22 13 19)		
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) <i>Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.</i>		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) <i>Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.</i>		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60102H.</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,361.92 1,369.87	105.74
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60103H.</i> <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,586.22 418.77 1,451.35	237.91
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60104H.</i> <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,231.34 436.39 1,586.26	264.34
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60105H.</i> <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,687.42 454.01 1,715.74	290.77
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60106H.</i> <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,006.59 502.03 1,790.49	317.21
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60107H.</i> <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,686.97 548.48 1,975.84	370.07
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60108H.</i> <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,793.23 624.69 2,114.15	422.94
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60109H.</i> <i>For Flange And Clamp Device, Add</i>	9,326.26 861.21	475.81
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60110H.</i> <i>For Flange And Clamp Device, Add</i>	10,524.27 980.98	559.45
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60213A.</i> <i>For Flange And Clamp Device, Add</i>	13,028.17 1,364.76	895.13
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor <i>Note: Josam 60214A.</i> <i>For Flange And Clamp Device, Add</i>	18,660.44 1,643.22	1,118.92



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0014 EA 250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	21,775.71 2,105.38	1,342.70
22 13 19 26-0015 EA 350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	28,256.87 2,492.32	1,566.48
22 13 19 26-0016 EA 500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	36,507.56 2,914.79	1,790.27
22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018 EA 20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor	3,834.74	290.77
22 13 19 26-0019 EA 35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor	4,932.07	370.07
22 13 19 26-0020 EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	8,084.54	422.94
22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023 EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,358.15 1,369.87	105.74
22 13 19 26-0024 EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,946.05 1,451.35	237.91
22 13 19 26-0025 EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,218.87 1,586.26	264.34
22 13 19 26-0026 EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	5,139.96 1,715.74	290.77
22 13 19 26-0027 EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,187.08 1,790.49	317.21
22 13 19 26-0028 EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,408.96 1,975.84	370.07
22 13 19 26-0029 EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	7,316.04 2,114.15	422.94
22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031 EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor	8,576.13	370.07
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small>		
22 13 19 26-0033 EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,366.03	290.77
22 13 19 26-0034 EA 25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,550.71	317.21
22 13 19 26-0035 EA 35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,356.57	370.07
22 13 19 26-0036 Precast Concrete Grease Interceptor <small>(22 13 19 26)</small> Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037 EA 1,000 Gallon Pre-Cast Grease Interceptor	7,115.40	487.92
22 13 19 26-0038 EA 1,250 Gallon Pre-Cast Grease Interceptor	8,146.50	487.92
22 13 19 26-0039 EA 1,500 Gallon Pre-Cast Grease Interceptor	9,245.83	557.80
22 13 19 26-0040 EA 2,000 Gallon Pre-Cast Grease Interceptor	10,509.47	787.76
22 13 19 26-0041 EA 2,500 Gallon Pre-Cast Grease Interceptor	11,819.40	1,059.87
22 13 19 26-0042 EA 4,000 Gallon Pre-Cast Grease Interceptor	17,743.15	1,394.43
22 13 19 26-0043 EA 5,000 Gallon Pre-Cast Grease Interceptor	22,740.29	2,286.65
22 13 19 26-0044 Coated Steel Manual Oil Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045 EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,284.02	402.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0046 EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	13,961.02	478.54
22 13 19 26-0047 EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	16,892.62	588.79
22 13 19 26-0048 EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	18,345.33	637.79
22 13 19 26-0049 EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	22,144.25	695.99
22 13 19 26-0050 EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,443.70	765.66
22 13 19 26-0051 EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	50,104.34	881.13
22 13 19 26-0052 EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	54,580.34	1,084.14
22 13 19 26-0053 EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	67,271.53	1,175.08
22 13 19 26-0054 EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	94,544.09	1,409.81
22 13 19 26-0055 EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	109,246.79	1,515.54
22 13 19 26-0056 EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	137,833.84	1,807.37
22 13 19 26-0057 EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	167,602.53	1,481.00
22 13 19 26-0058 EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	198,530.36	1,762.26
22 13 19 33 Backwater Valves (22 13 19)		
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)		
22 13 19 33-0002 EA 2" Cast Iron Body Terminal Backwater Valve	435.69	40.46
22 13 19 33-0003 EA 3" Cast Iron Body Terminal Backwater Valve	451.19	50.89
22 13 19 33-0004 EA 4" Cast Iron Body Terminal Backwater Valve	648.15	67.68
22 13 19 33-0005 EA 6" Cast Iron Body Terminal Backwater Valve	1,693.44	87.32
22 13 19 33-0006 EA 8" Cast Iron Body Terminal Backwater Valve	2,073.91	114.92
22 13 19 33-0007 EA 10" Cast Iron Body Terminal Backwater Valve	5,928.08	141.78
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve	6,724.31	183.88
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,091.14	96.47
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,644.61	117.02
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,038.37	150.85
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,810.65	158.64
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,879.12	188.00
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,871.50	152.69
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,947.07	203.02
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	4,243.84	234.96
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	4,284.69	261.94
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	158.25	50.89
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	191.87	67.68
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	516.40	87.32
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	366.91	101.78
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	488.57	135.34
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	808.69	174.63
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves (22 13 19)		
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	314.96	19.74
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	376.90	19.74
22 13 23 Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)	1,325.71	199.63
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)	1,327.31	199.63
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0004	EA			1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....1,846.84 Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,846.84	199.63
22 13 23 00-0005	EA			1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-AR10) .....1,846.84 Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,846.84	199.63
22 13 23 00-0006	EA			1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) .....1,964.46 Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,964.46	199.63
22 13 23 00-0007				Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008	EA			1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....359.17 <i>For Stainless Steel Bucket, Add</i>	359.17 175.00	68.29
22 13 23 00-0009	EA			2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....367.90 <i>For Stainless Steel Bucket, Add</i>	367.90 175.00	72.74
22 13 23 00-0010				Sediment Strainers (22 13 23)		
22 13 23 00-0011	EA			2" Strainer, Pump Suction Side .....211.54	211.54	93.19
22 13 29				Sanitary Sewerage Pumps (22 13) Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13				Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001				Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13) Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002				1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0003	EA			1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....8,271.70	8,271.70	1,691.21
22 13 29 13-0004	EA			3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....8,572.22	8,572.22	1,691.21
22 13 29 13-0005	EA			1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....8,872.74	8,872.74	1,691.21
22 13 29 13-0006	EA			1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....9,159.39	9,159.39	1,691.21
22 13 29 13-0007				2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0008	EA			3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....9,103.91	9,103.91	1,691.21
22 13 29 13-0009	EA			1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....9,219.49	9,219.49	1,691.21
22 13 29 13-0010	EA			2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....9,300.40	9,300.40	1,691.21
22 13 29 13-0011	EA			3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....9,855.21	9,855.21	1,691.21
22 13 29 13-0012	EA			5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....10,398.46	10,398.46	1,691.21
22 13 29 13-0013	EA			7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....11,230.67	11,230.67	1,691.21
22 13 29 13-0014	EA			10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....12,062.88	12,062.88	1,691.21
22 13 29 13-0015	EA			15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....14,013.95	14,013.95	2,250.62
22 13 29 13-0016				3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0017	EA			2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....9,683.06	9,683.06	1,691.21
22 13 29 13-0018	EA			3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....9,683.06	9,683.06	1,691.21
22 13 29 13-0019	EA			5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....9,883.32	9,883.32	1,691.21
22 13 29 13-0020	EA			7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....11,437.15	11,437.15	1,691.21
22 13 29 13-0021	EA			10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....11,709.72	11,709.72	1,691.21
22 13 29 13-0022	EA			15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....14,109.83	14,109.83	2,250.62
22 13 29 13-0023	EA			20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....14,803.34	14,803.34	2,250.62
22 13 29 13-0024				Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025	EA			2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....544.22	544.22	
22 13 29 13-0026	EA			3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....653.44	653.44	
22 13 29 13-0027	EA			4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....730.37	730.37	
22 13 29 13-0028	EA			5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....743.67	743.67	
22 13 29 13-0029	EA			6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....834.84	834.84	
22 13 29 13-0030				Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA			Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps .....489.13	489.13	
22 13 29 13-0032	EA			Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps .....513.82	513.82	
22 13 29 13-0033	EA			Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps .....525.22	525.22	
22 13 29 13-0034				Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA			24" Steel Sump Covers, Square Or Round.....917.25	917.25	56.39
22 13 29 13-0036	EA			30" Steel Sump Covers, Square Or Round.....1,015.59	1,015.59	63.44
22 13 29 13-0037	EA			36" Steel Sump Covers, Square Or Round.....1,408.45	1,408.45	84.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	2,038.48	98.69
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	2,184.52	102.21
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	2,335.17	105.74
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	2,972.93	126.88
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	4,020.05	140.98
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	5,097.82	176.23
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	6,473.43	193.84
22 13 29 16 Submersible Sewerage Pumps (22 13 29)		
22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
Note: Includes 25' cord.		
22 13 29 16-0003 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,610.27	102.60
22 13 29 16-0004 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,713.11	102.60
22 13 29 16-0005 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,681.47	102.60
22 13 29 16-0006 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,833.09	102.60
22 13 29 16-0007 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,833.09	102.60
22 13 29 16-0008 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,949.21	128.24
22 13 29 16-0009 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,083.69	128.24
22 13 29 16-0010 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,100.84	128.24
22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
Note: Includes 20' cord.		
22 13 29 16-0012 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,639.27	102.60
22 13 29 16-0013 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,786.95	102.60
22 13 29 16-0014 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,717.07	102.60
22 13 29 16-0015 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,859.46	102.60
22 13 29 16-0016 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,987.36	102.60
22 13 29 16-0017 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,867.46	128.24
22 13 29 16-0018 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,020.41	128.24
22 13 29 16-0019 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,019.09	128.24
22 13 29 16-0020 EA 1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,343.71	206.73
22 13 29 16-0021 EA 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,472.92	206.73
22 13 29 16-0022 EA 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,495.34	206.73
22 13 29 16-0023 EA 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,527.18	252.67
22 13 29 16-0024 EA 2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,674.85	252.67
22 13 29 16-0025 EA 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,678.80	252.67
22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
Note: Includes 20' cord.		
22 13 29 16-0027 EA 1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,934.62	102.60
22 13 29 16-0028 EA 1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,185.13	102.60
22 13 29 16-0029 EA 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,148.30	128.24
22 13 29 16-0030 EA 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,299.93	128.24
22 13 29 16-0031 EA 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,645.65	206.73
22 13 29 16-0032 EA 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,797.27	206.73
22 13 29 16-0033 EA 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,830.43	252.67



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 29 16-0034	EA 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,982.06	252.67
22 13 29 16-0035		Submersible Sewage Pumps With Semi-Open Impeller <small>(22 13 29 16)</small> Note: Includes 25' of cord with pump.		
	22 13 29 16-0036	EA 1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,652.60	128.24
	22 13 29 16-0037	EA 1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,942.31	187.87
	22 13 29 16-0038	EA 2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,301.29	229.62
	22 13 29 16-0039	EA 3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,553.96	278.33
	22 13 29 16-0040	EA 5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	6,235.50	327.04
	22 13 29 16-0041	EA 7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	6,967.23	375.75
22 13 29 16-0042		Submersible Sewage Pumps, Explosion Proof <small>(22 13 29 16)</small> Note: Includes 25' of cord with pump.		
	22 13 29 16-0043	EA 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,403.08	459.53
	22 13 29 16-0044	EA 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,843.71	459.53
	22 13 29 16-0045	EA 1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,843.71	459.53
	22 13 29 16-0046	EA 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,816.64	612.71
	22 13 29 16-0047	EA 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,257.27	612.71
	22 13 29 16-0048	EA 1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,257.27	612.71
	22 13 29 16-0049	EA 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,345.58	765.89
	22 13 29 16-0050	EA 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,786.21	765.89
	22 13 29 16-0051	EA 2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,786.21	765.89
	22 13 29 16-0052	EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,766.15	919.07
	22 13 29 16-0053	EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,206.78	919.07
	22 13 29 16-0054	EA 3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,206.78	919.07
	22 13 29 16-0055	EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,707.61	1,072.25
	22 13 29 16-0056	EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,148.24	1,072.25
	22 13 29 16-0057	EA 5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,148.24	1,072.25
	22 13 29 16-0058	EA 7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,102.54	1,225.42
	22 13 29 16-0059	EA 7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,102.54	1,225.42
22 13 29 16-0060		Submersible Sewage Pump Accessories <small>(22 13 29 16)</small>		
	22 13 29 16-0061	EA Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light and alarm float switch.	801.39	115.36
	22 13 29 16-0062	EA Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, and alarm float switch.	826.59	115.36
	22 13 29 16-0063	EA Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,607.69	153.82
	22 13 29 16-0064	EA Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn and warning light. Control float switches not included.	2,252.68	153.82
	22 13 29 16-0065	EA Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	4,584.10	153.82
	22 13 29 16-0066	EA Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	4,793.08	153.82
	22 13 29 16-0067	EA Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	7,638.31	192.28
	22 13 29 16-0068	EA Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	6,449.42	192.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0069 EA Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps 1,789.16	1,789.16	192.28
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0070 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps 1,965.52	1,965.52	192.28
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0071 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps 1,888.68	1,888.68	192.28
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0072 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps 2,047.62	2,047.62	192.28
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0073 EA Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps 3,467.26	3,467.26	192.28
Note: Includes alarm horn and warning light. Float switches not included..		
22 13 29 16-0074 EA Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure 658.98	658.98	76.91
Note: Includes alarm horn, warning light and 15' tethered float.		
22 13 29 16-0075 EA Variable Level (Clamp Type) Float Switch With 15' Cord 132.34	132.34	38.46
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0076 EA Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only 147.20	147.20	38.46
22 13 29 16-0077 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord 166.20	166.20	38.46
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0078 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only 163.15	163.15	38.46
22 13 29 16-0079 EA Float Switch Tree With (3) 15' Floats 474.01	474.01	38.46
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0080 EA Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only 483.49	483.49	38.46
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords 526.43	526.43	38.46
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only 548.35	548.35	38.46
22 13 29 16-0083 EA Float Switch Tree 257.97	257.97	38.46
Note: Tree only.		
22 13 29 16-0084 EA Adjustable Weight For Float Switch 71.67	71.67	19.22
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge 1,336.51	1,336.51	115.36
Note: Lifting equipment not included.		
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge 2,087.40	2,087.40	153.82
Note: Lifting equipment not included.		
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge 2,723.90	2,723.90	192.28
Note: Lifting equipment not included.		
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge 2,635.44	2,635.44	115.36
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge 3,703.43	3,703.43	115.36
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System 397.58	397.58	76.91
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems 688.99	688.99	96.14
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems 695.98	695.98	115.36
22 13 29 16-0093 EA 12" Stainless Steel Lifting Cable 196.17	196.17	38.46
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge 377.04	377.04	38.46
Note: Used for shallow systems where guide rails are not necessary.		

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)

22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)

22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 156.91	156.91	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 199.22	199.22	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 428.42	428.42	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 594.16	594.16	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 759.89	759.89	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 881.54	881.54	

22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)

22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub 397.89	397.89	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub 794.89	794.89	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub 1,417.14	1,417.14	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub 1,902.34	1,902.34	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub 2,190.25	2,190.25	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub 2,313.35	2,313.35	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub 2,715.01	2,715.01	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub 3,151.55	3,151.55	

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)
See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0002			Cast Iron Roof Drains With Large Polypropylene Dome <small>(22 14 26 13-0001)</small>		
			Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome 1,050.79		235.01
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Bronze Dome, Add</i> 448.80		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome 1,168.27		281.96
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Bronze Dome, Add</i> 448.80		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome 1,285.76		352.45
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Bronze Dome, Add</i> 448.80		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome 1,711.49		422.94
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Bronze Dome, Add</i> 448.80		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome 1,770.23		469.89
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Bronze Dome, Add</i> 448.80		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome 2,064.85		493.44
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Bronze Dome, Add</i> 448.80		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome 2,722.82		511.05
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Bronze Dome, Add</i> 448.80		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0010			Cast Iron Roof Drains With Expansion Joint <small>(22 14 26 13-0001)</small>		
			Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome 1,594.12		235.01
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome 1,749.56		281.96
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome 1,940.96		352.45
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome 2,664.32		422.94
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome 2,860.89		469.89
			<i>For Galvanized Iron Parts, Add</i> 518.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		
22 14 26 13-0016			Cast Iron Roof Drains With Flat Bronze Promenade Top <small>(22 14 26 13-0001)</small>		
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top 2,128.66		235.01
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp Assembly, Add</i> 130.00		
			<i>For Drain Receiver, Add</i> 147.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 357.00		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0018 EA 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top.....	2,246.14	281.96
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0019 EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top.....	2,363.63	352.45
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0020 EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top.....	2,773.39	422.94
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0021 EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top.....	2,832.13	469.89
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)		
22 14 26 13-0023 EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate.....	1,349.67	94.03
For Vandal Proof Grate, Add	33.00	
For Galvanized Cast Iron Parts, Add	128.00	
22 14 26 13-0024 EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate.....	1,396.67	117.44
For Vandal Proof Grate, Add	33.00	
For Galvanized Cast Iron Parts, Add	128.00	
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate.....	1,418.03	128.15
For Vandal Proof Grate, Add	33.00	
For Galvanized Cast Iron Parts, Add	128.00	
For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate.....	1,990.44	169.88
For Vandal Proof Grate, Add	33.00	
For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate.....	2,065.38	207.38
For Vandal Proof Grate, Add	33.00	
For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)		
Note: Grate free area is 27 square inches.		
22 14 26 13-0029 EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top.....	1,142.61	235.01
For Galvanized Iron Parts, Add	144.00	
For Deck Clamp Assembly, Add	80.40	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0030 EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....	1,260.09	281.96
For Galvanized Iron Parts, Add	144.00	
For Deck Clamp Assembly, Add	80.40	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0031 EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	1,377.58	352.45
For Galvanized Iron Parts, Add	144.00	
For Deck Clamp Assembly, Add	80.40	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)		
22 14 26 13-0033 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome.....	1,222.45	235.01
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0034 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome.....	1,339.93	281.96
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0035 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome.....	1,457.42	352.45
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0036 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome.....	1,883.15	422.94
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0037 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome.....	1,941.89	469.89
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	



	Plumbing 22
	Plumbing Piping 22 10
	Facility Storm Drainage 22 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0038 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,236.51	493.44
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0039 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,894.48	511.05
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042 EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	1,252.39	235.01
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0043 EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	1,369.87	281.96
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0044 EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	1,487.36	352.45
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0045 EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,971.83	469.46
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0046 EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	2,266.73	493.44
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0047 EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,924.43	511.05
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)		
22 14 26 13-0049 Retrofit Copolymer Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0050 EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	975.92	281.96
22 14 26 13-0051 EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	1,108.36	352.45
22 14 26 13-0052 EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	1,344.35	422.94
22 14 26 13-0053 EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	1,462.86	469.46
22 14 26 13-0054 Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0055 EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,110.41	281.96
22 14 26 13-0056 EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,236.86	352.45
22 14 26 13-0057 EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,481.82	422.94
22 14 26 13-0058 EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,558.49	469.46
22 14 26 13-0059 Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0060 EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	981.90	281.96
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061 EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,114.33	352.45
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0062 EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,350.32	422.94
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0063 EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,421.02	469.46
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)		
22 14 26 13-0065 EA 2" Outlet, Bronze Roof Drain Downspout Nozzle.....	574.29	140.98
22 14 26 13-0066 EA 3" Outlet, Bronze Roof Drain Downspout Nozzle.....	574.29	140.98
22 14 26 13-0067 EA 4" Outlet, Bronze Roof Drain Downspout Nozzle.....	574.29	140.98
22 14 26 13-0068 EA 5" Outlet, Bronze Roof Drain Downspout Nozzle.....	878.78	176.23
22 14 26 13-0069 EA 6" Outlet, Bronze Roof Drain Downspout Nozzle.....	878.78	176.23
22 14 26 13-0070 EA 8" Outlet, Bronze Roof Drain Downspout Nozzle.....	1,123.82	176.23



MINOR	DESCRIPTION
CSI	UOM

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 14 26 16 Facility Area Drains (22 14 26)

22 14 26 16-0001	Area Drain <small>(22 14 26 16)</small>		
22 14 26 16-0002	EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,399.24	169.74
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0003	EA 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,435.84	188.07
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0004	EA 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,474.34	207.38
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0005	EA 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,514.47	227.40
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0006	EA 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,101.10	169.74
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0007	EA 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,137.70	188.07
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0008	EA 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,176.20	207.38
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0009	EA 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,216.33	227.40
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0010	EA 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,174.72	169.74
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0011	EA 12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,211.32	188.07
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0012	EA 12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,249.82	207.38
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0013	EA 12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,289.95	227.40
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Vandal Proof Screws, Add</i>	29.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0014	EA 16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,830.23	169.74
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA 16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,866.83	188.07
	<i>For Ductile Iron Grate, Add</i>	123.50	
	<i>For Primer Tap, Add</i>	36.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	258.50	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Storm Drainage	22 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,905.33	207.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,945.46	227.40
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,347.43	169.74
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,384.03	188.07
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,422.53	207.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,462.66	227.40
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,476.19	169.74
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,512.79	188.07
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,551.29	207.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,591.42	227.40
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,528.31	169.74
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,564.91	188.07
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,603.41	207.38
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	935.37	169.74
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	971.97	188.07
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,010.47	207.38
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,441.96	169.74
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,478.56	188.07
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,517.06	207.38
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	4,559.21	169.74
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	4,595.81	188.07
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	4,634.31	207.38
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	2,973.24	169.74
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	3,009.84	188.07
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	3,048.34	207.38
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	4,282.89	169.74
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	4,319.49	188.07
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	4,357.99	207.38
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 19		Facility Trench Drains <small>(22 14 26)</small>		
22 14 26 19-0001		Trench Drain <small>(22 14 26 19)</small> Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,188.79	169.74
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,225.39	188.07
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,263.89	207.38
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	750.19	169.74
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	786.79	188.07
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	825.29	207.38
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,129.03	169.74
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,165.63	188.07
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,204.13	207.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,018.31	84.59
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	579.71	84.59
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	958.55	84.59
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,845.24	169.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,881.84	188.07
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,920.34	207.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,302.54	169.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,339.14	188.07
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,377.64	207.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,771.02	169.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,807.62	188.07
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,846.12	207.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,556.05	169.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,592.65	188.07
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,631.15	207.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,674.73	84.59
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,132.03	84.59
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,600.51	84.59
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029	EA		12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,385.54	84.59
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA		1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	6,603.44	409.02
			<i>For Explosion Proof Motor, Add</i>	283.84	
22 14 29 13-0003	EA		1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	7,015.56	495.05
			<i>For Explosion Proof Motor, Add</i>	315.55	
22 14 29 13-0004	EA		2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	8,027.64	588.13
			<i>For Explosion Proof Motor, Add</i>	407.65	
22 14 29 13-0005	EA		3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	8,615.59	723.53
			<i>For Explosion Proof Motor, Add</i>	462.00	
22 14 29 13-0006	EA		5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	9,110.33	784.18
			<i>For Explosion Proof Motor, Add</i>	674.88	
22 14 29 13-0007	EA		10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	10,809.49	940.73
			<i>For Explosion Proof Motor, Add</i>	765.47	
22 14 29 13-0008	EA		15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	12,575.55	974.38
			<i>For Explosion Proof Motor, Add</i>	1,254.64	
22 14 29 13-0009	EA		20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	14,919.14	1,085.51
			<i>For Explosion Proof Motor, Add</i>	1,665.31	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0010	EA 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	.....	16,139.08	1,265.98
			<i>2,159.01</i>	
22 14 29 13-0011	EA 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	.....	21,612.02	1,519.71
			<i>2,812.76</i>	
22 14 29 13-0012	EA 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	.....	29,813.48	1,687.97
			<i>4,458.44</i>	
22 14 29 13-0013	Extra Column Assemblies <small>(22 14 29 13)</small>			
22 14 29 13-0014	EA 1-1/2" Diameter x 5' Long Extra Column Assembly		1,001.93	
22 14 29 13-0015	EA 2" Diameter x 5' Long Extra Column Assembly		1,096.34	
22 14 29 13-0016	EA 2-1/2" Diameter x 5' Long Extra Column Assembly		1,199.66	
22 14 29 13-0017	EA 3" Diameter x 5' Long Extra Column Assembly		1,440.42	
22 14 29 13-0018	EA 4" Diameter x 5' Long Extra Column Assembly		1,610.01	
22 14 29 13-0019	EA 5" Diameter x 5' Long Extra Column Assembly		1,639.32	
22 14 29 13-0020	EA 6" Diameter x 5' Long Extra Column Assembly		1,840.31	
22 14 29 13-0021	EA 8" Diameter x 5' Long Extra Column Assembly		2,013.73	
22 14 29 13-0022	Support Plate <small>(22 14 29 13)</small>			
22 14 29 13-0023	EA 24" Steel Support Plate, Round Or Square.....		917.25	56.39
22 14 29 13-0024	EA 30" Steel Support Plate, Round Or Square.....		1,015.59	63.44
22 14 29 13-0025	EA 36" Steel Support Plate, Round Or Square.....		1,408.45	84.59
22 14 29 13-0026	EA 40" Steel Support Plate, Round Or Square.....		2,038.48	98.69
22 14 29 13-0027	EA 42" Steel Support Plate, Round Or Square.....		2,184.52	102.21
22 14 29 13-0028	EA 48" Steel Support Plate, Round Or Square.....		2,335.03	105.74
22 14 29 13-0029	EA 54" Steel Support Plate, Round Or Square.....		2,972.93	126.88
22 14 29 13-0030	EA 60" Steel Support Plate, Round Or Square.....		4,020.05	140.98
22 14 29 13-0031	EA 72" Steel Support Plate, Round Or Square.....		5,365.15	176.23
22 14 29 13-0032	EA 84" Steel Support Plate, Round Or Square.....		6,473.43	193.84
22 14 29 16	Submersible Sump Pumps <small>(22 14 29)</small>			
22 14 29 16-0001	Submersible Sump Pump With Vortex Impeller <small>(22 14 29 16)</small>			
22 14 29 16-0002	Submersible Sump Pump With Cast Iron Vortex Impeller <small>(22 14 29 16-0001)</small>			
22 14 29 16-0003	EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller		584.41	91.88
22 14 29 16-0004	EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller		642.46	91.88
22 14 29 16-0005	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller		985.68	97.23
22 14 29 16-0006	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller		1,077.54	97.23
22 14 29 16-0007	Submersible Sump Pump With Bronze Vortex Impeller <small>(22 14 29 16-0001)</small>			
	Note: Includes 20' of cord with pump.			
22 14 29 16-0008	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,626.18	97.23
22 14 29 16-0009	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,764.61	97.23
22 14 29 16-0010	EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,856.49	107.20
22 14 29 16-0011	EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		2,004.49	107.20
22 14 29 16-0012	EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		2,069.56	122.50
22 14 29 16-0013	EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		2,215.01	122.50
22 14 29 16-0014	EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		2,229.06	145.47
22 14 29 16-0015	EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		2,355.38	145.47
22 14 29 16-0016	Submersible Sump Pump With Semi-Open Impeller <small>(22 14 29 16)</small>			
	Note: Includes 20' of cord with pump.			
22 14 29 16-0017	EA 1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller		1,305.42	91.88
22 14 29 16-0018	EA 1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller		1,346.12	91.88
22 14 29 16-0019	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller		1,670.59	97.23
22 14 29 16-0020	EA 1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller		1,699.19	97.23
22 14 29 16-0021	EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller		2,030.27	102.60
22 14 29 16-0022	EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller		2,030.27	102.60
22 14 29 16-0023	EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller		2,146.80	107.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0024 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,146.80	107.20
22 14 29 16-0025 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,450.17	122.50
22 14 29 16-0026 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,450.17	122.50
22 14 29 16-0027 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,850.29	145.47
22 14 29 16-0028 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,800.78	145.47
22 14 29 19 Sump-Pump Basins and Pits (22 14 29) See CSI section 22 13 29 33-0000 for basins and pits.		
22 15 General Service Compressed-Air Systems (22 15)		
22 15 13 General Service Compressed-Air Piping (22 15) See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.		
22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)		
22 15 13 00-0003 EA 1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	69.65	21.44
22 15 13 00-0004 EA 3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	77.17	26.03
22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13) Note: 120 Voltage, 1 Phase		
22 15 13 00-0006 EA 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	842.24	122.14
22 15 13 00-0007 EA 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	957.36	125.53
22 15 13 00-0008 EA 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,120.08	128.92
22 15 13 00-0009 EA 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,256.98	135.71
22 15 13 00-0010 EA 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,627.55	152.67
22 15 13 00-0011 EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,840.21	173.71
22 15 13 00-0012 EA 25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,065.72	196.78
22 15 13 00-0013 EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,423.64	220.53
22 15 13 00-0014 EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,810.38	257.85
22 15 13 00-0015 EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,160.79	275.49
22 15 13 00-0016 EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,706.98	305.35
22 15 13 00-0017 EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,259.42	339.27
For 230 Voltage, Add	1,074.26	
22 15 13 00-0018 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,606.51	373.20
For 230 Voltage, Add	1,158.03	
22 15 13 00-0019 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,965.41	413.91
For 230 Voltage, Add	1,241.81	
22 15 13 00-0020 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,366.40	441.05
For 230 Voltage, Add	1,345.29	
22 15 13 00-0021 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,671.36	458.02
For 230 Voltage, Add	1,426.60	
22 15 13 00-0022 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,696.80	474.98
For 230 Voltage, Add	2,624.05	
22 15 13 00-0023 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,412.40	491.94
For 230 Voltage, Add	2,828.56	
22 15 13 00-0024 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,108.30	508.90
For 230 Voltage, Add	3,027.15	
22 15 13 00-0025 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,171.92	542.83
For 230 Voltage, Add	3,625.88	
22 15 13 00-0026 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,966.02	678.55
For 230 Voltage, Add	4,082.68	
22 15 13 00-0027 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	21,224.72	814.25
For 230 Voltage, Add	5,878.87	
22 15 13 00-0028 EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	28,756.43	949.96
For 230 Voltage, Add	8,056.95	
22 15 13 00-0029 EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	32,206.27	1,085.67
For 230 Voltage, Add	9,010.48	
22 15 13 00-0030 Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0031 EA 0-60 SCFM Oil/Water Separator	728.13	49.02
22 15 13 00-0032 EA 85 SCFM Oil/Water Separator	972.32	57.45
22 15 13 00-0033 EA 190 SCFM Oil/Water Separator	1,135.47	65.10
22 15 13 00-0034 EA 245 SCFM Oil/Water Separator	1,422.91	76.59
22 15 13 00-0035 EA 320 SCFM Oil/Water Separator	1,691.73	91.90
22 15 13 00-0036 EA 700 SCFM Oil/Water Separator	3,413.55	191.47
22 15 13 00-0037 Heavy Duty Industrial Pressure Regulator (22 15 13)		
22 15 13 00-0038 EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	142.21	40.71
22 15 13 00-0039 EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	197.27	54.28
22 15 13 00-0040 EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	324.28	67.85
22 15 13 00-0041 EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	415.13	101.78
22 15 13 00-0042 EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	568.21	118.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0043 EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	602.14	135.71
22 15 13 00-0044 Combination Air System; Filter Regulator Lubricator <small>(22 15 13)</small>		
22 15 13 00-0045 EA 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	523.51	122.14
22 15 13 00-0046 EA 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	654.20	162.85
22 15 13 00-0047 Heatless Desiccant Air Dryers <small>(22 15 13)</small>		
22 15 13 00-0048 EA 5 SCFM Heatless Desiccant Air Dryer	2,778.32	122.14
22 15 13 00-0049 EA 10 SCFM Heatless Desiccant Air Dryer	3,334.87	135.71
22 15 13 00-0050 EA 15 SCFM Heatless Desiccant Air Dryer	3,373.51	149.28
22 15 13 00-0051 EA 20 SCFM Heatless Desiccant Air Dryer	3,852.87	169.63
22 15 13 00-0052 EA 30 SCFM Heatless Desiccant Air Dryer	5,292.22	203.56
22 15 13 00-0053 EA 50 SCFM Heatless Desiccant Air Dryer	5,262.02	271.42
22 15 13 00-0054 EA 85 SCFM Heatless Desiccant Air Dryer	7,055.12	339.27
22 15 13 00-0055 EA 100 SCFM Heatless Desiccant Air Dryer	7,510.80	407.13
22 15 13 00-0056 EA 125 SCFM Heatless Desiccant Air Dryer	8,603.16	474.98
22 15 13 00-0057 EA 175 SCFM Heatless Desiccant Air Dryer	9,877.69	542.83
22 15 13 00-0058 EA 200 SCFM Heatless Desiccant Air Dryer	10,628.55	610.68
22 15 13 00-0059 EA 300 SCFM Heatless Desiccant Air Dryer	12,962.05	678.55
22 15 13 00-0060 EA 400 SCFM Heatless Desiccant Air Dryer	14,429.28	814.25
22 15 13 00-0061 EA 500 SCFM Heatless Desiccant Air Dryer	16,681.68	949.96
22 15 13 00-0062 EA 600 SCFM Heatless Desiccant Air Dryer	19,242.87	1,085.67
22 15 13 00-0063 Air Cooled Aftercoolers <small>(22 15 13)</small>		
22 15 13 00-0064 EA 20 SCFM Air-Cooled Aftercooler	728.15	84.82
22 15 13 00-0065 EA 35 SCFM Air-Cooled Aftercooler	977.22	101.78
22 15 13 00-0066 EA 43 SCFM Air-Cooled Aftercooler	1,076.86	118.74
22 15 13 00-0067 EA 70 SCFM Air-Cooled Aftercooler	1,311.19	135.71
22 15 13 00-0068 EA 125 SCFM Air-Cooled Aftercooler	1,808.32	152.67
22 15 13 00-0069 EA 185 SCFM Air-Cooled Aftercooler	2,029.51	169.63
22 15 13 00-0070 EA 260 SCFM Air-Cooled Aftercooler	3,867.10	203.56
22 15 13 00-0071 EA 365 SCFM Air-Cooled Aftercooler	4,055.19	237.49
22 15 13 00-0072 EA 560 SCFM Air-Cooled Aftercooler	4,241.97	271.42
22 15 13 00-0073 EA 650 SCFM Air-Cooled Aftercooler	4,968.17	305.35
22 15 13 00-0074 EA 750 SCFM Air-Cooled Aftercooler	5,434.21	339.27
22 15 13 00-0075 EA 900 SCFM Air-Cooled Aftercooler	6,223.49	373.20
22 15 13 00-0076 EA 1,100 SCFM Air-Cooled Aftercooler	7,953.65	407.13
22 15 13 00-0077 EA 1,460 SCFM Air-Cooled Aftercooler	9,085.24	441.05
22 15 13 00-0078 EA 1,800 SCFM Air-Cooled Aftercooler	9,391.28	474.98
22 15 13 00-0079 EA 2,500 SCFM Air-Cooled Aftercooler	10,070.18	508.90
22 15 13 00-0080 Compressed Air Coalescing Filters <small>(22 15 13)</small>		
22 15 13 00-0081 1.0 Micron Filter Rated Compressed Air Coalescing Filters <small>(22 15 13 00-0080)</small>		
22 15 13 00-0082 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	263.83	49.78
22 15 13 00-0083 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	309.82	49.78
22 15 13 00-0084 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	339.92	57.45
22 15 13 00-0085 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	391.26	65.87
22 15 13 00-0086 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	454.33	72.76
22 15 13 00-0087 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	517.81	88.07
22 15 13 00-0088 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	634.44	95.73
22 15 13 00-0089 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	676.56	114.88
22 15 13 00-0090 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	871.41	153.18
22 15 13 00-0091 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	995.12	172.32
22 15 13 00-0092 0.01 Micron Filter Rated Compressed Air Coalescing Filters <small>(22 15 13 00-0080)</small>		
22 15 13 00-0093 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	316.39	49.78
22 15 13 00-0094 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	344.82	57.45
22 15 13 00-0095 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	395.86	65.87
22 15 13 00-0096 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	463.53	65.10
22 15 13 00-0097 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	528.32	88.07
22 15 13 00-0098 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	597.19	95.73
22 15 13 00-0099 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	688.38	114.88
22 15 13 00-0100 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	891.13	153.18
22 15 13 00-0101 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	1,021.40	172.32
22 15 13 00-0102 Compressed Air Storage Tanks <small>(22 15 13)</small>		
22 15 13 00-0103 Horizontal Compressed Air Storage Tanks <small>(22 15 13 00-0102)</small>		
22 15 13 00-0104 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME	447.09	108.57
22 15 13 00-0105 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME	794.69	118.74
22 15 13 00-0106 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME	841.73	124.85
22 15 13 00-0107 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME	957.82	135.71
22 15 13 00-0108 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,252.01	183.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0109 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,506.54	203.56
22 15 13 00-0110 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,240.96	237.49
22 15 13 00-0111 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME	3,318.73	271.42
22 15 13 00-0112 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME	3,696.06	288.38
22 15 13 00-0113 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME	5,312.05	305.35
22 15 13 00-0114 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME	6,985.82	356.24
22 15 13 00-0115 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME	10,024.57	424.09
22 15 13 00-0116 Vertical Compressed Air Storage Tanks <small>(22 15 13 00-0102)</small>		
22 15 13 00-0117 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME	739.51	108.57
22 15 13 00-0118 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME	777.28	118.74
22 15 13 00-0119 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME	841.73	124.85
22 15 13 00-0120 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME	992.30	135.71
22 15 13 00-0121 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME	1,355.44	183.20
22 15 13 00-0122 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME	1,556.35	203.56
22 15 13 00-0123 EA 120 Gallon Vertical Compressed Air Storage Tank, ASME	2,132.65	237.49
22 15 13 00-0124 EA 200 Gallon Vertical Compressed Air Storage Tank, ASME	3,095.50	271.42
22 15 13 00-0125 EA 240 Gallon Vertical Compressed Air Storage Tank, ASME	3,411.52	288.38
22 15 13 00-0126 EA 325 Gallon Vertical Compressed Air Storage Tank, ASME	4,615.56	305.35
22 15 13 00-0127 EA 400 Gallon Vertical Compressed Air Storage Tank, ASME	5,904.88	356.24
22 15 13 00-0128 EA 500 Gallon Vertical Compressed Air Storage Tank, ASME	7,679.15	390.16
22 15 13 00-0129 EA 660 Gallon Vertical Compressed Air Storage Tank, ASME	12,705.19	441.05
22 15 19 General Service Packaged Air Compressors and Receivers <small>(22 15)</small>		
Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 13 General Service Packaged Reciprocating Air Compressors <small>(22 15 19)</small>		
22 15 19 13-0001 Single Stage Compressor <small>(22 15 19 13)</small>		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002 EA 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,134.46	481.49
22 15 19 13-0003 EA 3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,293.30	555.73
22 15 19 13-0004 EA 1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,765.83	656.28
22 15 19 13-0005 EA 2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,282.10	724.14
22 15 19 13-0006 EA 3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,195.73	764.85
22 15 19 13-0007 EA 3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,542.63	792.00
22 15 19 13-0008 EA 5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,229.60	905.17
22 15 19 13-0009 EA 5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,677.87	959.45
22 15 19 13-0010 EA 7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	7,989.52	1,086.21
22 15 19 13-0011 Two Stage Compressor <small>(22 15 19 13)</small>		
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012 EA 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	5,967.29	846.28
22 15 19 13-0013 EA 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,436.49	995.69
22 15 19 13-0014 EA 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,743.67	1,086.21
22 15 19 13-0015 EA 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,772.86	1,448.28
22 15 19 13-0016 EA 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,340.35	1,448.28
22 15 19 13-0017 EA 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	9,043.69	1,810.35
22 15 19 13-0018 EA 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,558.39	1,810.35
22 15 19 13-0019 EA 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	12,235.03	2,239.19
22 15 19 13-0020 EA 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	13,158.74	2,307.05
22 15 19 13-0021 EA 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	14,207.09	2,696.26
22 15 19 13-0022 EA 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	21,064.87	3,052.09
22 15 19 13-0023 EA 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	22,687.54	3,448.76
22 15 19 13-0024 EA 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	25,275.61	3,811.65
22 15 19 13-0025 EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	27,507.59	4,177.38
22 15 19 19 General Service Packaged Rotary-Screw Air Compressors <small>(22 15 19)</small>		
22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver <small>(22 15 19 19)</small>		
Note: Oil flooded.		
22 15 19 19-0002 EA 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,120.88	1,222.36
22 15 19 19-0003 EA 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,380.28	1,629.82
22 15 19 19-0004 EA 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,574.42	2,043.40
22 15 19 19-0005 EA 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	16,953.12	2,604.03
22 15 19 19-0006 EA 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,405.54	3,063.56
22 15 19 19-0007 EA 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	23,468.07	3,446.51
22 15 19 19-0008 EA 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,743.67	3,829.45
22 15 19 19-0009 EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,840.92	4,288.99
22 15 19 19-0010 EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	33,863.37	4,595.34
22 15 19 19-0011 EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	37,947.09	4,952.25
22 15 19 19-0012 EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	48,980.60	5,361.23
22 15 19 19-0013 EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	54,259.81	5,667.59
22 15 19 19-0014 EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	86,179.77	6,127.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0015 EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	107,200.92	6,624.95
22 15 19 19-0016 EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	124,350.39	7,130.44
22 15 19 19-0017 EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	161,280.81	7,658.90
22 15 19 19-0018 EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	183,072.13	8,149.08
22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver ^(22 15 19 19) Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020 EA 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	12,665.71	1,629.82
22 15 19 19-0021 EA 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	13,425.89	1,629.82
22 15 19 19-0022 EA 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,178.86	2,043.40
22 15 19 19-0023 EA 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,010.31	2,043.40
22 15 19 19-0024 EA 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,285.70	2,604.03
22 15 19 19-0025 EA 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	18,164.65	2,604.03
22 15 19 19-0026 EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	19,680.05	3,063.56
22 15 19 19-0027 EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	20,630.27	3,063.56
22 15 19 19-0028 EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	33,477.05	3,446.51
22 15 19 19-0029 EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	36,108.98	3,829.45
22 15 19 19-0030 EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	38,503.38	4,288.99

22 30 Plumbing Equipment ⁽²²⁾**22 31 Domestic Water Softeners** ^(22 30)**22 31 13 Residential Domestic Water Softeners** ^(22 31)

See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners ^(22 31)22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) ^(22 31 16)22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0001)22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004 EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11).....	5,283.44	387.70
22 31 16 00-0005 EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11).....	5,522.59	405.32
22 31 16 00-0006 EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11).....	5,959.09	422.94
22 31 16 00-0007 EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11).....	6,853.85	440.56
22 31 16 00-0008 EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11).....	7,303.51	458.19

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	7,895.19	422.94
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	8,303.18	440.56
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	8,755.03	458.19
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	10,395.29	475.81
22 31 16 00-0014 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	11,550.95	493.44
22 31 16 00-0015 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	14,052.91	511.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0002)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	11,964.87	440.56
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	12,401.38	458.19
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	14,046.02	475.81
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	15,201.68	493.44
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	17,839.58	511.05
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	23,512.07	528.68
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	27,496.25	546.30
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0002)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	28,855.36	511.05
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	33,328.48	528.68
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	37,260.03	546.30
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	46,896.80	563.93
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	51,922.47	581.54
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	19,630.16	660.84
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	20,500.87	687.28
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	23,336.19	713.72
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	25,509.33	740.15
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	31,122.70	766.58
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	41,204.66	793.02
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	48,484.44	819.45
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	52,970.07	766.58
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	60,841.86	793.02
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	68,365.02	819.45
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	86,965.34	845.88
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	97,088.95	872.32
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	6,956.02	581.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,416.72	607.98
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,085.71	634.42
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,690.97	660.84
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,712.97	687.28
22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small>		
Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,551.93	634.42
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,288.91	660.84
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,376.70	687.28
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,591.50	713.72
22 31 16 00-0057 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	19,839.19	740.15
22 31 16 00-0058 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	24,818.89	766.58
22 32 Domestic Water Filtration Equipment <small>(22 30)</small>		
22 32 16 Domestic-Water Freestanding Cartridge Filters <small>(22 32)</small>		
22 32 16 00-0001 Commercial Water Filters Housings <small>(22 32 16)</small>		
22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0001)</small>		
22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0002)</small>		
22 32 16 00-0004 EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,745.28	248.91
22 32 16 00-0005 EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,803.30	268.06
22 32 16 00-0006 EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,984.12	287.21
22 32 16 00-0007 EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,300.87	306.36
22 32 16 00-0008 EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,402.76	325.50
22 32 16 00-0009 EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,112.00	344.65
22 32 16 00-0010 EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,399.13	363.80
22 32 16 00-0011 EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,250.73	382.95
22 32 16 00-0012 EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	16,801.61	402.09
22 32 16 00-0013 EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	18,631.29	421.24
22 32 16 00-0014 Commercial Water Filter Cartridges <small>(22 32 16 00-0002)</small>		
22 32 16 00-0015 (Depth) Water Filter Cartridges <small>(22 32 16 00-0014)</small>		
22 32 16 00-0016 EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	14.34	3.07
22 32 16 00-0017 EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	14.34	3.07
22 32 16 00-0018 EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	14.34	3.07
22 32 16 00-0019 EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	12.15	3.07
22 32 16 00-0020 EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.89	3.07
22 32 16 00-0021 EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.89	3.07
22 32 16 00-0022 EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.99	3.07
22 32 16 00-0023 EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.82	3.07
22 32 16 00-0024 EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.99	3.07
22 32 16 00-0025 EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.73	3.07
22 32 16 00-0026 EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.73	3.07
22 32 16 00-0027 EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.73	3.07
22 32 16 00-0028 EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	20.37	3.07
22 32 16 00-0029 EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	26.40	3.07
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	24.21	3.07
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	24.21	3.07
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	26.40	3.07
22 32 16 00-0033 Pleated Water Filter Cartridges <small>(22 32 16 00-0014)</small>		
22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	24.76	3.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	24.76	3.07
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	25.31	3.07
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	26.95	3.07
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB).....	40.11	3.07
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	38.46	3.07
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	38.46	3.07
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	38.46	3.07
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	50.52	3.07
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB).....	71.35	3.07
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	59.84	3.07
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	82.86	3.07
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	86.15	3.07
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	97.11	3.07
22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	2,170.88	229.77
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	689.12	3.07
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	143.71	3.07
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	142.61	3.07
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	142.61	3.07
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	163.44	3.07
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	378.87	3.07
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	355.84	3.07
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	387.64	3.07
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	406.28	3.07
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	432.59	3.07
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	468.76	3.07
22 33 Electric Domestic Water Heaters (22 30)		
22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	640.29	76.57
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	645.62	76.57
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	851.89	114.85
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	840.18	153.13
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,426.05	267.98
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	2,125.66	306.27
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	1,716.39	153.13
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	2,347.71	229.70
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	2,593.21	306.27
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	2,691.02	306.27
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	2,783.40	306.27
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	2,919.25	306.27



	Plumbing	22
	Plumbing Equipment	22 30
	Electric Domestic Water Heaters	22 33

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30		Residential, Electric Domestic Water Heaters ^(22 33)		
22 33 30 13		Residential, Small-Capacity Electric Domestic Water Heaters ^(22 33 30)		
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) ^(22 33 30)		
		¹³⁾ Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,199.50	241.18
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,469.22	256.50
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,731.29	267.98
22 33 30 16		Residential, Storage Electric Domestic Water Heaters ^(22 33 30)		
22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) ^(22 33 30 16)		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,848.15	267.98
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,740.63	275.64
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,714.10	283.30
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,910.79	287.12
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,765.17	294.78
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,818.03	306.27
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,741.42	325.41
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) ^(22 33 30 16)		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,982.34	267.98
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,890.07	275.64
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	2,001.02	283.30
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) ^(22 33 30 16)		
		Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	2,046.83	275.64
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,234.14	283.30
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,744.10	294.78
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,982.26	306.27
22 33 30 16-0018		Water Heater Accessories ^(22 33 30 16)		
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	156.30	15.31
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	184.34	15.31
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	357.56	15.31
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	479.47	15.31
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	80.39	11.49
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	87.31	11.49
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	91.92	11.49
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	108.06	11.49
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	45.68	11.49
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	49.37	11.49
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	54.56	11.49
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	61.23	11.49
22 33 30 23		Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters ^(22 33 30)		
22 33 30 23-0001		Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) ^(22 33 30 23)		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,611.94	306.27
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,524.02	325.41
22 33 33		Light-Commercial Electric Domestic Water Heaters ^(22 33)		
22 33 33 00-0001		Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) ^(22 33 33)		
		Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	5,550.70	267.98
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	5,761.85	267.98
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	5,990.60	267.98
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	6,067.16	306.27
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	6,331.10	306.27
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	6,753.40	306.27
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	7,034.94	306.27
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	7,263.68	306.27

22 Plumbing

22 30 Plumbing Equipment

22 33 Electric Domestic Water Heaters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0010 EA 18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	7,510.02	306.27
22 33 33 00-0011 EA 6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	6,595.04	306.27
22 33 33 00-0012 EA 9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	6,841.38	306.27
22 33 33 00-0013 EA 12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	7,122.92	306.27
22 33 33 00-0014 EA 15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	7,351.66	306.27
22 33 33 00-0015 EA 18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	7,598.00	306.27
22 33 33 00-0016 EA 24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	9,410.38	306.27
22 33 33 00-0017 EA 9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	7,223.27	382.83
22 33 33 00-0018 EA 12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	7,452.01	382.83
22 33 33 00-0019 EA 15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	7,733.55	382.83
22 33 33 00-0020 EA 18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	7,979.89	382.83
22 33 33 00-0021 EA 24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	9,809.86	382.83
22 33 33 00-0022 EA 30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	10,654.47	382.83
22 33 33 00-0023 EA 36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	11,481.48	382.83
22 33 33 00-0024 EA 9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	8,361.77	459.39
22 33 33 00-0025 EA 12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	8,590.51	459.39
22 33 33 00-0026 EA 15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	8,819.26	459.39
22 33 33 00-0027 EA 18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	9,065.60	459.39
22 33 33 00-0028 EA 24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	10,948.37	459.39
22 33 33 00-0029 EA 30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	11,792.97	459.39
22 33 33 00-0030 EA 36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	12,619.98	459.39
22 33 33 00-0031 EA 45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	14,115.63	459.39
22 33 33 00-0032 EA 54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	14,784.27	459.39
22 33 33 00-0033 EA 60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	17,106.93	459.39
22 33 33 00-0034 EA 75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	20,098.23	459.39
22 33 33 00-0035 EA 90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	25,130.66	459.39
22 33 33 00-0036 EA 9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	9,477.44	612.52
22 33 33 00-0037 EA 12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	9,741.38	612.52
22 33 33 00-0038 EA 15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	9,987.72	612.52
22 33 33 00-0039 EA 18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	10,198.87	612.52
22 33 33 00-0040 EA 24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	12,064.04	612.52
22 33 33 00-0041 EA 30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	12,908.64	612.52
22 33 33 00-0042 EA 36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	13,718.05	612.52
22 33 33 00-0043 EA 45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	15,248.89	612.52
22 33 33 00-0044 EA 54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	15,899.94	612.52
22 33 33 00-0045 EA 60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	18,240.20	612.52
22 33 33 00-0046 EA 75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	21,249.10	612.52
22 33 33 00-0047 EA 90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	26,263.93	612.52
22 33 33 00-0048 EA 12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	10,598.34	689.09
22 33 33 00-0049 EA 15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	10,844.69	689.09
22 33 33 00-0050 EA 18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	11,055.84	689.09
22 33 33 00-0051 EA 24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	12,938.60	689.09
22 33 33 00-0052 EA 30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	13,695.22	689.09
22 33 33 00-0053 EA 36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	14,575.02	689.09
22 33 33 00-0054 EA 45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	16,105.86	689.09
22 33 33 00-0055 EA 54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	16,774.50	689.09
22 33 33 00-0056 EA 60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	18,973.99	689.09
22 33 33 00-0057 EA 75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	22,106.06	689.09
22 33 33 00-0058 EA 90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	27,120.89	689.09
22 33 33 00-0059 EA 15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	11,912.80	765.66
22 33 33 00-0060 EA 18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	12,194.34	765.66
22 33 33 00-0061 EA 24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	14,024.31	765.66
22 33 33 00-0062 EA 30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	14,868.91	765.66
22 33 33 00-0063 EA 36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	15,695.92	765.66
22 33 33 00-0064 EA 45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	17,191.57	765.66
22 33 33 00-0065 EA 54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	17,877.81	765.66
22 33 33 00-0066 EA 60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	20,182.88	765.66
22 33 33 00-0067 EA 75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	23,174.18	765.66
22 33 33 00-0068 EA 90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	28,224.20	765.66
22 33 33 00-0069 EA 15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	12,852.53	918.79
22 33 33 00-0070 EA 18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	13,098.87	918.79
22 33 33 00-0071 EA 24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	14,928.84	918.79
22 33 33 00-0072 EA 30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	15,738.25	918.79
22 33 33 00-0073 EA 36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	16,600.45	918.79
22 33 33 00-0074 EA 45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	18,096.10	918.79
22 33 33 00-0075 EA 54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	18,729.56	918.79
22 33 33 00-0076 EA 60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	21,105.00	918.79
22 33 33 00-0077 EA 75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	24,113.90	918.79
22 33 33 00-0078 EA 90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	29,111.14	918.79
22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) ^(22 33 33)		
Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0080 EA Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,626.82	267.98
22 33 33 00-0081 EA Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,737.67	267.98
22 33 33 00-0082 EA Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,896.93	306.27
22 33 33 00-0083 EA Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	3,163.84	306.27
22 33 33 00-0084 EA Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	3,668.90	382.83
22 33 33 00-0085 EA Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	4,085.96	459.39
22 33 33 00-0086 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	4,964.14	689.09



Plumbing	22	22
Plumbing Equipment	22 30	
Electric Domestic Water Heaters	22 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0087 Water Heater Accessories <small>(22 33 33)</small>		
22 33 33 00-0088 EA Up To 80 Gallon Water Heater Strap .....53.35 Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	53.35	
22 33 33 00-0089 EA >80 To 120 Gallon Water Heater Strap .....76.99 Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	76.99	
22 33 33 00-0090 Removal And Reinstallation Of Water Heater <small>(22 33 33)</small>		
22 33 33 00-0091 EA Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon .....510.43 Note: Includes storage and cleaning.	510.43	
22 33 33 00-0092 EA Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon .....1,531.31	1,531.31	
22 34 Fuel-Fired Domestic Water Heaters <small>(22 30)</small>		
22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters <small>(22 34)</small>		
22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters <small>(22 34 13)</small>		
22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters <small>(22 34 13 00-0001)</small>		
Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....2,589.55	2,589.55	306.27
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....2,804.32	2,804.32	310.09
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....3,083.24	3,083.24	317.75
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....3,606.63	3,606.63	325.41
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN).....4,383.30	4,383.30	344.54
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....4,477.45	4,477.45	344.54
22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters <small>(22 34 13 00-0001)</small>		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....2,796.66	2,796.66	306.27
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....4,383.30	4,383.30	344.54
22 34 30 Residential Gas Domestic Water Heaters <small>(22 34)</small>		
22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters <small>(22 34 30)</small>		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) <small>(22 34 30 13)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30) .....1,934.32	1,934.32	294.78
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40) .....1,898.83	1,898.83	302.44
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50).....2,532.80	2,532.80	310.09
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65) .....2,742.52	2,742.52	317.75
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75) .....2,996.79	2,996.79	325.41
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....4,442.90	4,442.90	344.54
22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters <small>(22 34 30)</small>		
22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) <small>(22 34 30 16)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40) .....3,556.51	3,556.51	302.44
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50) .....4,057.04	4,057.04	310.09
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75) .....5,283.52	5,283.52	317.75
22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters <small>(22 34 30)</small>		
22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) <small>(22 34 30 19)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40) .....3,228.80	3,228.80	302.44
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50) .....3,363.66	3,363.66	310.09
22 34 36 Commercial Gas Domestic Water Heaters <small>(22 34)</small>		
22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters <small>(22 34 36)</small>		
22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) <small>(22 34 36 13)</small>		
Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120) .....6,779.72	6,779.72	459.39
22 34 36 13-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154) .....7,257.66	7,257.66	535.96
22 34 36 13-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180) .....8,957.17	8,957.17	612.52

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	7,785.03	612.52
22 34 36 13-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,909.29	612.52
22 34 36 13-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	11,816.88	673.78
22 34 36 13-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	8,671.11	689.09
22 34 36 13-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	12,743.08	758.00
22 34 36 13-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	8,801.01	689.09
22 34 36 13-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	12,170.89	758.00
22 34 36 13-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	9,787.72	842.22
22 34 36 13-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	13,358.33	926.45
22 34 36 13-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	10,963.01	842.22
22 34 36 13-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	13,435.65	926.45
22 34 36 13-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	10,652.27	918.79
22 34 36 13-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	14,825.78	1,010.67
22 34 36 13-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	13,420.34	918.79
22 34 36 13-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	17,485.65	1,010.67
22 34 36 13-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	17,408.64	995.36
22 34 36 13-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR- 151)	8,711.26	535.96
22 34 36 13-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	10,426.74	589.55
22 34 36 13-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR- 201)	9,080.89	612.52
22 34 36 13-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	10,858.09	673.78
22 34 36 13-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200	2,312.02	382.83
22 34 36 13-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500	2,513.06	382.83
22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13) Note: Includes storage and cleaning.		
22 34 36 13-0028 EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	696.06	
22 34 36 13-0029 EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,840.52	
22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)		
22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,558.03	459.39
22 34 36 19-0003 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	7,862.23	459.39
22 34 36 19-0004 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	9,577.26	535.96
22 34 36 19-0005 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	9,993.29	612.52
22 34 36 19-0006 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,039.68	612.52
22 34 36 19-0007 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN- 200)	10,256.18	612.52
22 34 36 19-0008 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,017.92	673.78
22 34 36 19-0009 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN- 250)	11,321.71	689.09
22 34 36 19-0010 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	13,887.44	758.00
22 34 36 19-0011 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN- 275)	11,921.81	842.22
22 34 36 19-0012 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	14,564.55	926.45
22 34 36 19-0013 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,169.24	842.22
22 34 36 19-0014 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	14,719.19	926.45
22 34 36 19-0015 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	13,636.84	918.79
22 34 36 19-0016 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,001.07	1,010.67
22 34 36 19-0017 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	16,435.90	918.79
22 34 36 19-0018 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	18,939.31	1,010.67
22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX- 80)	4,351.81	459.39
22 34 36 19-0021 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX- 100)	5,774.53	459.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0022 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	6,949.83	459.39
22 34 36 19-0023 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	9,949.02	505.34
22 34 36 19-0024 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,195.84	535.96
22 34 36 19-0025 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	12,823.73	589.55
22 34 36 19-0026 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	10,379.90	612.52
22 34 36 19-0027 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	13,239.61	673.78
22 34 36 19-0028 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	11,986.68	689.09
22 34 36 19-0029 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	14,552.41	758.00
22 34 36 19-0030 EA 300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	19,018.30	926.45
22 34 36 19-0031 EA 399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	20,006.35	1,010.67
22 34 36 19-0032 EA 499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	22,989.31	1,094.89

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)

22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23)
 Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	95,285.98	1,909.62
22 34 36 23-0003 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	115,186.86	2,028.97
22 34 36 23-0004 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	139,932.29	2,148.32
22 34 36 23-0005 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	167,258.26	2,267.67
22 34 36 23-0006 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	175,315.05	2,387.02

22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)

22 34 36 23-0008 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,151.17	1,128.31
22 34 36 23-0009 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,196.29	1,269.35
22 34 36 23-0010 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,303.33	1,551.43
22 34 36 23-0011 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,138.44	1,692.47
22 34 36 23-0012 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,381.73	1,974.55
22 34 36 23-0013 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	27,889.09	2,256.63
22 34 36 23-0014 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	30,822.07	2,538.70
22 34 36 23-0015 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	36,788.39	2,820.78
22 34 36 23-0016 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	38,183.60	2,961.82
22 34 36 23-0017 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	40,941.41	3,102.86

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)

22 34 36 26-0002 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	37,903.26	2,143.80
22 34 36 26-0003 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	53,223.61	2,369.45
22 34 36 26-0004 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	57,710.34	2,482.28
22 34 36 26-0005 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	62,515.87	2,707.95

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)

22 34 36 26-0007 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	33,728.93	2,143.80
22 34 36 26-0008 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	37,262.20	2,369.45
22 34 36 26-0009 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	40,684.20	2,482.28
22 34 36 26-0010 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	44,207.90	2,707.95

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)

22 34 36 26-0012 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,883.99	1,015.48
22 34 36 26-0013 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,779.05	1,128.31
22 34 36 26-0014 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,498.93	1,353.97
22 34 36 26-0015 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,977.12	1,410.39
22 34 36 26-0016 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,668.82	1,692.47
22 34 36 26-0017 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,763.53	2,030.97
22 34 36 26-0018 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	24,660.35	2,143.80
22 34 36 26-0019 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,303.92	2,313.04
22 34 36 26-0020 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	29,756.96	2,425.87
22 34 36 26-0021 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	31,879.01	2,482.28

22 Plumbing

22 30 Plumbing Equipment

22 34 Fuel-Fired Domestic Water Heaters



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36 26)</small>				
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	24,670.83	1,692.47
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	27,291.84	2,030.97
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	32,608.82	2,313.04
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	33,635.57	2,425.87
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	35,154.62	2,482.28
22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36 26)</small>				
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	29,669.37	2,030.97
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	35,763.67	2,313.04
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	37,977.20	2,482.28
22 34 46 Oil-Fired Domestic Water Heaters <small>(22 34)</small>				
22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters <small>(22 34 46)</small>				
22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) <small>(22 34 46 11)</small>				
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.				
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E).....	2,310.80	235.82
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	2,280.57	235.82
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	2,377.70	235.82
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	2,508.77	241.94
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	3,174.68	248.08
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	2,694.37	248.08
22 34 46 11-0008 Oil Fired Commercial Water Heaters <small>(22 34 46 11)</small>				
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.				
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	3,741.09	367.51
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	4,373.44	367.51
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	4,397.77	367.51
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	6,321.88	490.02
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	8,653.50	612.52
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	10,862.40	673.78
22 35 Domestic Water Heat Exchangers <small>(22 30)</small>				
22 35 23 Circulating, Domestic Water Heat Exchangers <small>(22 35)</small>				
22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers <small>(22 35 23)</small>				
22 35 23 13-0001 Steam Driven Water Heaters <small>(22 35 23 13)</small>				
22 35 23 13-0002 Constant Flow <small>(22 35 23 13-0001)</small>				
22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	6,651.81	765.66
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	8,298.00	938.24
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	10,646.84	1,227.04
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	14,434.11	1,709.10
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	21,461.87	2,814.86
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	23,458.04	3,190.19
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	30,501.23	3,680.97
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	36,655.83	4,350.31
22 35 23 13-0011 Variable Flow <small>(22 35 23 13-0001)</small>				
22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	10,210.24	1,493.03
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	11,645.05	1,823.02
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	14,872.60	2,357.30
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	19,614.34	3,288.96
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	29,600.71	5,500.47
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	35,669.14	6,057.42
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	41,359.02	7,089.37
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	52,090.88	8,469.70
22 40 Plumbing Fixtures <small>(22)</small>				

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and



Plumbing	22	22
Plumbing Fixtures	22 40	
Domestic Water Heat Exchangers	22 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 26 Residential Disposers (22 41)

22 41 26 00-0001 Disposals (22 41 26)

22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal.....	265.93	63.28
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal.....	306.33	63.28
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal.....	407.33	63.28
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal.....	508.32	63.28

22 41 39 Residential Faucets, Supplies, and Trim (22 41)

22 41 39 00-0001 Residential Kitchen Faucets (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	208.27	70.49
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	234.73	70.49
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	234.73	70.49
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215).....	227.42	70.49
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	241.64	70.49

22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	182.94	50.75
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....	182.94	50.75
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	139.42	50.75
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

22 41 39 00-0011 Residential Bath And Shower Faucets (22 41 39)

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	235.51	61.19
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502).....	271.71	61.19
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	219.73	61.19
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....	239.22	61.19
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	257.56	38.28
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	218.80	38.28
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....	330.77	38.28

22 41 39 00-0019 Residential Laundry Faucets (22 41 39)

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	160.43	45.02
------------------	----	---	--------	-------

22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	161.52	45.02
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	222.32	49.62

22 41 39 00-0024 Other Residential Faucets (22 41 39)

22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	47.80	11.49
------------------	----	---	-------	-------

22 42 Commercial Plumbing Fixtures (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)

22 42 13 13 Commercial Water Closets (22 42 13)

22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	809.23	146.62
------------------	----	---	--------	--------

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™).....	942.33	146.62
22 42 13 13-0005 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	1,184.82	146.62
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®).....	1,072.37	146.62
22 42 13 13-0007 EA 1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®).....	1,008.88	146.62
22 42 13 13-0008 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®).....	1,013.25	146.62
22 42 13 13-0009 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™).....	799.48	146.62
22 42 13 13-0010 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	848.49	146.62
22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall®).....	943.95	180.45
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit).....	1,137.56	180.45
22 42 13 13-0014 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,400.71	180.45
22 42 13 13-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™).....	947.13	180.45
22 42 13 13-0016 EA Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™).....	1,364.91	180.45
22 42 13 13-0017 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	1,032.52	180.45
22 42 13 13-0018 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	899.61	180.45
22 42 13 13-0019 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	938.12	180.45
22 42 13 13-0020 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	818.90	146.62
22 42 13 13-0022 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	835.73	146.62
22 42 13 13-0023 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	909.93	146.62
22 42 13 13-0024 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	1,001.72	146.62
22 42 13 13-0025 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	997.90	146.62
22 42 13 13-0026 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	1,290.88	146.62
22 42 13 13-0027 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	1,107.29	146.62
22 42 13 13-0028 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	894.48	146.62
22 42 13 13-0029 EA 2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650).....	1,006.97	146.62
22 42 13 13-0030 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519).....	1,130.34	146.62
22 42 13 13-0031 EA 2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	907.54	146.62
22 42 13 13-0032 EA 2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....	886.90	146.62
22 42 13 13-0033 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	855.87	146.62
22 42 13 13-0034 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	903.97	146.62
22 42 13 13-0036 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	827.30	146.62
22 42 13 13-0037 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	946.65	146.62
22 42 13 13-0038 Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)		
22 42 13 13-0039 EA 2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	873.63	146.62
22 42 13 13-0040 EA 2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	893.93	146.62



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0041 Stainless Steel Water Closets <small>(22 42 13 13)</small>		
22 42 13 13-0042 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,676.94	317.21
22 42 13 13-0043 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	3,865.50	317.21
22 42 13 13-0044 Water Closet Carriers <small>(22 42 13 13)</small>		
22 42 13 13-0045 Pipe Grip Adaptor Type, Water Closet Carriers <small>(22 42 13 13-0044)</small>		
Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046 EA Pipe Grip Adaptor Type, Water Closet Carrier.....	634.65	74.44
22 42 13 13-0047 No-Hub, Water Closet Carriers <small>(22 42 13 13-0044)</small>		
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier	953.74	74.44
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-78.30	
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For Auxiliary Inlet, Add	230.96	
For Special Duty 500 LB Carrier, Add	371.68	
22 42 13 13-0049 EA Vertical Close On Stack, No-Hub, Single Water Closet Carrier	953.74	74.44
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-78.30	
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For Auxiliary Inlet, Add	230.96	
For Special Duty 500 LB Carrier, Add	371.68	
22 42 13 13-0050 EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,036.72	74.44
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-78.30	
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For Auxiliary Inlet, Add	230.96	
For Horizontal No Hub Cast Long Barrel, Add	231.78	
For Carrier For Wide Chase Installations, Add	314.29	
For Special Duty 1,000 LB Carrier, Add	371.69	
22 42 13 13-0051 EA Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	1,143.08	74.44
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-78.30	
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For 4" Branch, Add	179.19	
For Auxiliary Inlet, Add	230.96	
For Carrier For Wide Chase Installations, Add	314.29	
For Double 4" Branches, Add	359.52	
For Special Duty 1,000 LB Carrier, Add	371.69	
22 42 13 13-0052 EA Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,577.25	109.26
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-156.59	
For Positioning Frame, Add	117.29	
For Supply Pipe Support, Add	119.63	
For Vandal Proof Trim, Add	133.26	
For Auxiliary Inlet, Add	252.11	
For Special Duty 500 LB Carrier, Add	743.35	
22 42 13 13-0053 EA Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,619.34	109.26
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-156.59	
For Positioning Frame, Add	117.29	
For Supply Pipe Support, Add	119.63	
For Vandal Proof Trim, Add	133.26	
For Auxiliary Inlet, Add	252.11	
For Special Duty 500 LB Carrier, Add	743.35	
22 42 13 13-0054 EA Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,954.78	109.26
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-156.59	
For Positioning Frame, Add	117.29	
For Supply Pipe Support, Add	119.63	
For Vandal Proof Trim, Add	133.26	
For 4" Branch, Add	189.76	
For Auxiliary Inlet, Add	252.11	
For Double 4" Branches, Add	380.67	
For Carrier For Wide Chase Installations, Add	692.04	
For Special Duty 1,000 LB Carrier, Add	743.37	
22 42 13 13-0055 EA Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,844.91	109.26
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-156.59	
For Positioning Frame, Add	117.29	
For Supply Pipe Support, Add	119.63	
For Vandal Proof Trim, Add	133.26	
For Horizontal No Hub Cast Long Barrel, Add	242.35	
For Carrier For Wide Chase Installations, Add	692.04	
For Special Duty 1,000 LB Carrier, Add	743.37	
22 42 13 13-0056 Hub And Spigot, Water Closet Carriers <small>(22 42 13 13-0044)</small>		
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0057 EA Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	1,093.77	74.44
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For Hanger Type Closet Adapter, Add	167.14	
For Auxiliary Inlet, Add	230.96	
22 42 13 13-0058 EA Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	953.74	74.44
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For Auxiliary Inlet, Add	230.96	
For Special Duty 500 LB Carrier, Add	371.68	
22 42 13 13-0059 EA Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,182.82	74.44
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-78.30	
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For 4" Branch, Add	179.19	
For Auxiliary Inlet, Add	230.96	
For Carrier For Wide Chase Installations, Add	314.29	
For Double 4" Branches, Add	359.52	
For Special Duty 1,000 LB Carrier, Add	371.69	
22 42 13 13-0060 EA Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	1,816.84	109.26
For Positioning Frame, Add	117.29	
For Supply Pipe Support, Add	119.63	
For Vandal Proof Trim, Add	133.26	
For Auxiliary Inlet, Add	252.11	
For Hanger Type Closet Adapter, Add	334.28	
22 42 13 13-0061 EA Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,994.52	109.26
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-156.59	
For Positioning Frame, Add	117.29	
For Supply Pipe Support, Add	119.63	
For Vandal Proof Trim, Add	133.26	
For 4" Branch, Add	189.76	
For Auxiliary Inlet, Add	252.11	
For Double 4" Branches, Add	380.67	
For Carrier For Wide Chase Installations, Add	692.04	
For Special Duty 1,000 LB Carrier, Add	743.37	
22 42 13 13-0062 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers		
(22 42 13 13-0044)		
Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063 EA Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier.....	749.19	74.44
For Positioning Frame, Add	53.36	
For Supply Pipe Support, Add	54.53	
For Vandal Proof Trim, Add	66.63	
For Hanger Type Closet Adapter, Add	167.14	
22 42 13 13-0064 Institutional Water Closet Carriers (22 42 13 13-0044)		
Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier.....	2,536.85	109.26
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-156.59	
For Positioning Frame, Add	117.29	
For Supply Pipe Support, Add	119.63	
For Vandal Proof Trim, Add	133.26	
For Auxiliary Inlet, Add	252.11	
22 42 13 13-0066 Removal And Reinstallation Of Fixtures And Trim (22 42 13 13)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank.....	643.85	
22 42 13 13-0068 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	643.85	
22 42 13 13-0069 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank	495.04	
22 42 13 13-0070 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	495.04	
22 42 13 16 Commercial Urinals (22 42 13)		
22 42 13 16-0001 Vitreous China Urinals (22 42 13 16)		
Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002 Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003 EA Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™).....	735.16	150.85
22 42 13 16-0004 EA Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®).....	860.85	150.85
22 42 13 16-0005 EA Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	887.13	150.85
22 42 13 16-0006 EA Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	925.74	150.85
22 42 13 16-0007 EA Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™).....	858.80	150.85
22 42 13 16-0008 EA Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	752.85	150.85
22 42 13 16-0009 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	877.26	150.85
22 42 13 16-0010 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	775.69	150.85
22 42 13 16-0011 EA Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798).....	825.05	150.85
22 42 13 16-0012 EA Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	768.43	150.85



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0013 EA Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	766.28	150.85
22 42 13 16-0014 Floor Mounted Urinals (22 42 13 16-0001)		
22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,127.22	190.33
22 42 13 16-0016 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,247.20	190.33
22 42 13 16-0017 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	328.30	35.25
22 42 13 16-0018 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	370.27	35.25
22 42 13 16-0019 Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	730.18	105.74
For Colored Fixtures, Add	66.90	
For >1, Deduct	-43.06	
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	1,293.98	105.74
For Colored Fixtures, Add	66.90	
For >1, Deduct	-107.33	
22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	1,126.76	105.74
For Colored Fixtures, Add	66.90	
For >1, Deduct	-88.27	
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	884.84	105.74
For Colored Fixtures, Add	66.90	
For >1, Deduct	-60.69	
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	884.84	105.74
For Colored Fixtures, Add	66.90	
For >1, Deduct	-60.69	
22 42 13 16-0025 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	1,075.10	105.74
For Colored Fixtures, Add	66.90	
For >1, Deduct	-82.38	
22 42 13 16-0026 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,583.37	105.74
For >1, Deduct	-140.32	
22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0028 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	3,783.01	317.21
22 42 13 16-0029 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	4,892.43	387.70
22 42 13 16-0030 Urinal Carriers (22 42 13 16)		
22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier	619.23	53.58
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier	590.15	53.58
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030)		
Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier	268.73	53.58
For Up To 6-1/2" Extension Sleeves And Hardware, Add	24.54	
22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	642.25	
22 42 16 Commercial Lavatories and Sinks (22 42)		
22 42 16 13 Commercial Lavatories (22 42 16)		
22 42 16 13-0001 Lavatories (22 42 16 13)		
Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	680.41	94.45
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	707.21	94.45
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	857.36	94.45
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	631.53	94.45
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	556.64	94.45
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	679.97	94.45
22 42 16 13-0009 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	644.15	94.45
22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	578.71	94.45
22 42 16 13-0011 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	785.26	94.45
22 42 16 13-0012 Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	662.59	114.19
22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	674.27	114.19
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	706.93	114.19
22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	741.61	114.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	942.48	123.35
22 42 16 13-0018 Undermount Lavatories (22 42 16 13-0001)		
22 42 16 13-0019 EA 15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™).....	645.03	114.19
22 42 16 13-0020 EA 17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™).....	612.82	114.19
22 42 16 13-0021 EA 19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™).....	612.82	114.19
22 42 16 13-0022 EA 21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™).....	652.05	114.19
22 42 16 13-0023 EA 15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	629.16	114.19
22 42 16 13-0024 EA 17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	623.22	114.19
22 42 16 13-0025 EA 19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	629.27	114.19
22 42 16 13-0026 EA 18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®).....	762.61	114.19
22 42 16 13-0027 EA 21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®).....	762.61	114.19
22 42 16 13-0028 Pedestal Lavatories (22 42 16 13-0001)		
22 42 16 13-0029 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	808.90	271.38
22 42 16 13-0030 Cultured Marble Vanity Tops (22 42 16 13-0001)		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0031 EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	461.42	105.74
22 42 16 13-0032 EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	521.52	112.79
22 42 16 13-0033 EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	628.25	119.83
22 42 16 13-0034 EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	859.17	126.88
22 42 16 13-0035 EA 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	495.31	105.74
22 42 16 13-0036 EA 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	531.07	112.79
22 42 16 13-0037 EA 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	684.64	119.83
22 42 16 13-0038 EA 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	745.98	123.35
22 42 16 13-0039 EA 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	835.32	126.88
22 42 16 13-0040 Quartz Vanity Tops (22 42 16 13-0001)		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0041 EA 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	877.38	105.74
22 42 16 13-0042 EA 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	916.25	112.79
22 42 16 13-0043 EA 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	1,048.25	119.83
22 42 16 13-0044 EA 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	1,057.00	123.35
22 42 16 13-0045 EA 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	1,149.72	126.88
22 42 16 13-0046 EA 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks.....	1,522.30	133.93
22 42 16 13-0047 EA 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks.....	1,788.78	140.96
22 42 16 13-0048 EA 22" End Splash For Quartz Vanity Tops.....	49.00	
22 42 16 13-0049 Solid Surface Vanity Tops (22 42 16 13-0001)		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0050 EA 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	743.85	105.74
22 42 16 13-0051 EA 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	832.12	112.79
22 42 16 13-0052 EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	931.84	119.83
22 42 16 13-0053 EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,021.66	123.35
22 42 16 13-0054 EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,103.92	126.88
22 42 16 13-0055 EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,211.83	130.40
22 42 16 13-0056 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,343.86	133.93
22 42 16 13-0057 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,376.29	133.93
22 42 16 13-0058 EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,483.60	140.96
22 42 16 13-0059 EA 22" End Splash For Solid Surface Vanity Tops.....	71.76	
22 42 16 13-0060 Stainless Steel Lavatories (22 42 16 13-0001)		
22 42 16 13-0061 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,962.97	246.72
22 42 16 13-0062 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)		
Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0063 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2).....	6,847.91	183.20
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	563.00	
22 42 16 13-0064 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3).....	10,029.67	183.20
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	657.00	
22 42 16 13-0065 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	470.92	61.07
22 42 16 13-0066 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	581.20	61.07
22 42 16 13-0067 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	1,142.86	61.07
22 42 16 13-0068 Lavatory Carriers (22 42 16 13)		
22 42 16 13-0069 Floor Mounted, Lavatory Carriers (22 42 16 13-0068)		



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier 619.23	619.23	53.58
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
For Valve Plate For Attaching To Upright, Add	91.15	
For Corner Carrier, Add	177.64	
22 42 16 13-0072 EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier..... 590.15	590.15	53.58
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
For Valve Plate For Attaching To Upright, Add	91.15	
22 42 16 13-0073 EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier 668.46	668.46	53.58
For Up To 4" Extension Sleeves And Hardware, Add	49.08	
For Valve Plate For Attaching To Upright, Add	182.30	
22 42 16 13-0074 EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier 758.46	758.46	53.58
For Up To 4" Extension Sleeves And Hardware, Add	49.08	
For Valve Plate For Attaching To Upright, Add	182.30	
22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms..... 793.75	793.75	63.44
For Up To 6-1/2" Extension Sleeves And Hardware, Add	24.54	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	33.90	
For Valve Plate For Attaching To Upright, Add	93.97	
For 2" Chrome Plated Escutcheons, Add	82.98	
For 4" Or 6" Chrome Plated Escutcheons, Add	150.77	
22 42 16 13-0077 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms 911.71	911.71	63.44
For Up To 4-1/2" Extension Sleeves And Hardware, Add	24.54	
For Vandal Proof Trim, Add	66.63	
For Valve Plate For Attaching To Upright, Add	93.97	
For Heavy Duty Carrier, Add	85.32	
22 42 16 13-0078 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms 1,048.77	1,048.77	63.44
For Up To 6-1/2" Extension Sleeves And Hardware, Add	49.08	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	67.80	
For Valve Plate For Attaching To Upright, Add	187.94	
For 2" Chrome Plated Escutcheons, Add	165.97	
For 4" Or 6" Chrome Plated Escutcheons, Add	301.55	
22 42 16 13-0079 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms 1,321.97	1,321.97	63.44
For Up To 4-1/2" Extension Sleeves And Hardware, Add	49.08	
For Vandal Proof Trim, Add	133.26	
For Valve Plate For Attaching To Upright, Add	187.94	
For Heavy Duty Carrier, Add	170.64	
22 42 16 13-0080 Wall Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0081 Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier 268.73	268.73	53.58
For Double Plate Carrier, Add	73.61	
22 42 16 13-0083 Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms..... 424.33	424.33	63.44
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
For 2" Chrome Plated Escutcheons, Add	82.98	
22 42 16 13-0085 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms 489.78	489.78	63.44
For Movable Mounting Brackets, Deduct	-63.12	
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
For 2" Chrome Plated Escutcheons, Add	82.98	
For 4" Or 6" Chrome Plated Escutcheons, Add	150.77	
22 42 16 13-0086 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms..... 691.98	691.98	63.44
For Up To 4-1/2" Extension Sleeves And Hardware, Add	24.54	
For Vandal Proof Trim, Add	66.63	
22 42 16 13-0087 Removal And Reinstallation Of Lavatory And Trim (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet..... 414.65	414.65	
22 42 16 16 Commercial Sinks (22 42 16)		
22 42 16 16-0001 Sinks (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002 Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)..... 854.52	854.52	132.52
22 42 16 16-0004 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)..... 1,076.81	1,076.81	150.85
22 42 16 16-0005 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)..... 1,011.84	1,011.84	129.70
For 18 Gauge, Add	241.58	
22 42 16 16-0006 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)..... 1,033.70	1,033.70	129.70
For 18 Gauge, Add	252.51	
22 42 16 16-0007 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)..... 1,082.89	1,082.89	129.70
For 18 Gauge, Add	277.11	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0008 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	1,132.59	132.52
For 18 Gauge, Add	293.50	
22 42 16 16-0009 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,401.37	150.85
For 18 Gauge, Add	400.99	
22 42 16 16-0010 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,427.91	150.85
For 18 Gauge, Add	414.00	
22 42 16 16-0011 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,776.79	150.85
22 42 16 16-0012 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,366.18	129.70
22 42 16 16-0013 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,390.77	129.70
22 42 16 16-0014 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,452.71	129.70
22 42 16 16-0015 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,541.58	132.52
22 42 16 16-0016 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,846.80	150.85
22 42 16 16-0017 Undermount Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0018 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,234.94	129.70
22 42 16 16-0019 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,232.28	129.70
22 42 16 16-0020 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,244.05	129.70
22 42 16 16-0021 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,305.99	129.70
22 42 16 16-0022 EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,266.82	129.70
Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023 EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,425.57	129.70
22 42 16 16-0024 EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,662.93	129.70
22 42 16 16-0025 EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	1,037.56	129.70
22 42 16 16-0026 EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,304.07	129.70
22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,154.77	229.09
Note: Excludes faucets.		
22 42 16 16-0029 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,796.23	246.72
Note: Excludes faucets.		
22 42 16 16-0030 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	3,186.76	264.34
Note: Excludes faucets.		
22 42 16 16-0031 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,435.38	176.23
Note: Excludes faucets.		
22 42 16 16-0032 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,700.83	193.84
Note: Excludes faucets.		
22 42 16 16-0033 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,961.37	211.47
Note: Excludes faucets.		
22 42 16 16-0034 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	3,288.99	237.91
Note: Excludes faucets.		
22 42 16 16-0035 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	3,120.27	387.70
Note: Includes sensor operated spray heads.		
22 42 16 16-0036 Utility Or Laundry Sinks (22 42 16 16-0001)		
22 42 16 16-0037 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	809.57	150.85
22 42 16 16-0038 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	907.25	150.85
22 42 16 16-0039 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	807.45	150.85
22 42 16 16-0040 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	1,152.67	150.85
22 42 16 16-0041 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,578.84	169.18
22 42 16 16-0042 Refinish Sink/Lavatory (22 42 16 16-0001)		
22 42 16 16-0043 EA Refinish Sink/Lavatory.....	315.92	
22 42 16 16-0044 Service Sinks (22 42 16 16-0001)		
22 42 16 16-0045 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,144.42	226.98
22 42 16 16-0046 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,197.70	226.98
22 42 16 16-0047 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,504.25	300.28
22 42 16 16-0048 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	676.57	211.47
22 42 16 16-0049 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	761.62	211.47
22 42 16 16-0050 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	850.99	253.77
22 42 16 16-0051 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	724.12	211.47
22 42 16 16-0052 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	829.55	253.77



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0053 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	1,079.50	211.47
22 42 16 16-0054 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,329.45	253.77
22 42 16 16-0055 Stainless Steel Sink And Drainboard (22 42 16 16-0001)		
22 42 16 16-0056 EA Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	4,590.39	352.45
22 42 16 16-0057 Soapstone Sinks (22 42 16 16-0001)		
22 42 16 16-0058 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	1,215.27	129.70
22 42 16 16-0059 SF Soapstone Sink Backsplash.....	174.69	
22 42 16 16-0060 EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,529.54	150.85
22 42 16 16-0061 EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink.....	1,763.90	150.85
22 42 16 16-0062 Sink Carriers (22 42 16 16)		
22 42 16 16-0063 Floor Mounted, Sink Carriers (22 42 16 16-0062) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	890.98	53.58
For Vandal Proof Trim, Add	66.63	
For Valve Plate For Attaching To Upright, Add	91.15	
22 42 16 16-0065 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	1,174.55	53.58
For Vandal Proof Trim, Add	66.63	
For Auxiliary Vent, Add	202.20	
22 42 16 16-0066 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,459.75	53.58
For Up To 4" Extension Sleeves And Hardware, Add	50.26	
For Vandal Proof Trim, Add	66.63	
22 42 16 16-0067 Removal And Reinstallation Of Sink And Trim (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	568.47	
22 42 19 Commercial Bathtubs (22 42)		
22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,645.33	391.92
22 42 19 00-0004 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,435.53	391.92
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,650.60	391.92
22 42 19 00-0006 EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	2,072.55	391.92
22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0008 EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	829.43	391.92
22 42 19 00-0009 EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	844.45	391.92
22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0011 EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,140.22	391.92
22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0013 EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,168.63	391.92
22 42 19 00-0014 EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,350.27	391.92
22 42 19 00-0015 EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,373.73	391.92
22 42 19 00-0016 EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,359.31	391.92
22 42 19 00-0017 EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,411.18	391.92
22 42 19 00-0018 Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0019 EA Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	767.68	
22 42 19 00-0020 Tub And Shower Combinations (22 42 19)		
22 42 19 00-0021 Acrylic Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0022 EA 1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	1,364.35	131.91
For 2 Piece Enclosure, Deduct	-299.33	
22 42 19 00-0023 Fiberglass Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0024 EA 1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	942.60	131.91
22 42 19 00-0025 EA 2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	733.14	87.93

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0026	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,483.85	199.08
22 42 19 00-0027	EA		3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	3,495.61	375.79
			<i>For 2 Piece Enclosure, Deduct</i>	-727.59	
22 42 23			Commercial Showers (22 42)		
22 42 23 00-0001			Shower Enclosures (22 42 23)		
			Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002			Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,831.66	227.39
22 42 23 00-0004	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,831.66	227.39
22 42 23 00-0005	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,712.86	227.39
22 42 23 00-0006	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	2,974.47	227.39
22 42 23 00-0007			Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,946.93	227.39
22 42 23 00-0009	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,946.93	227.39
22 42 23 00-0010	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	4,186.12	227.39
22 42 23 00-0011	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,668.03	227.39
22 42 23 00-0012			Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down (22 42 23 00-0001)		
22 42 23 00-0013	EA		32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	1,550.91	227.39
22 42 23 00-0014	EA		36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	1,591.58	227.39
22 42 23 00-0015	EA		34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	1,632.26	227.39
22 42 23 00-0016	EA		30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	1,713.60	227.39
22 42 23 00-0017	EA		34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	1,821.39	227.39
22 42 23 00-0018			1 Piece Shower Units (22 42 23)		
22 42 23 00-0019	EA		1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	1,301.50	131.91
22 42 23 00-0020	EA		1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,450.85	131.91
22 42 23 00-0021			Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0022			Acrylic Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0023	EA		36" x 36" Acrylic Shower Receptor.....	508.05	57.43
22 42 23 00-0024	EA		42" x 42" Acrylic Shower Receptor.....	534.46	57.43
22 42 23 00-0025	EA		48" x 48" Acrylic Shower Receptor.....	587.19	57.43
22 42 23 00-0026	EA		60" x 60" Acrylic Shower Receptor.....	713.40	68.91
22 42 23 00-0027	EA		48" x 32" Acrylic Shower Receptor.....	509.29	57.43
22 42 23 00-0028	EA		48" x 36" Acrylic Shower Receptor.....	544.02	57.43
22 42 23 00-0029	EA		48" x 42" Acrylic Shower Receptor.....	608.63	57.43
22 42 23 00-0030	EA		60" x 30" Acrylic Shower Receptor.....	897.95	118.94
22 42 23 00-0031	EA		60" x 32" Acrylic Shower Receptor.....	680.53	68.91
22 42 23 00-0032	EA		60" x 36" Acrylic Shower Receptor.....	685.00	68.91
22 42 23 00-0033	EA		60" x 42" Acrylic Shower Receptor.....	689.10	68.91
22 42 23 00-0034	EA		60" x 48" Acrylic Shower Receptor.....	753.30	68.91
22 42 23 00-0035	EA		36" x 36" Acrylic Corner Shower Receptor.....	719.72	57.43
22 42 23 00-0036	EA		42" x 42" Acrylic Corner Shower Receptor.....	819.39	57.43
22 42 23 00-0037	EA		47-1/2" x 47-1/2" Acrylic Corner Shower Receptor.....	1,240.74	112.99
22 42 23 00-0038			Molded Stone Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0039	EA		32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	354.49	57.43
22 42 23 00-0040	EA		34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	369.39	57.43
22 42 23 00-0041	EA		36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	371.05	57.43
22 42 23 00-0042	EA		42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	444.72	57.43
22 42 23 00-0043	EA		42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	400.02	57.43
22 42 23 00-0044	EA		48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	420.72	57.43
22 42 23 00-0045	EA		48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	423.20	57.43
22 42 23 00-0046	EA		54" x 34" Molded Stone Shower Receptor (Fiat 54WL).....	492.12	68.91
22 42 23 00-0047	EA		60" x 34" Molded Stone Shower Receptor (Fiat 60WL).....	507.85	68.91
22 42 23 00-0048	EA		36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	404.16	57.43
22 42 23 00-0049	EA		38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	413.27	57.43
22 42 23 00-0050			Precast Terrazzo Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0051	EA		30" x 30" Precast Terrazzo Shower Receptor.....	624.36	57.43
22 42 23 00-0052	EA		32" x 32" Precast Terrazzo Shower Receptor.....	646.71	57.43
22 42 23 00-0053	EA		34" x 34" Precast Terrazzo Shower Receptor.....	667.41	57.43
22 42 23 00-0054	EA		36" x 36" Precast Terrazzo Shower Receptor.....	669.89	57.43
22 42 23 00-0055	EA		40" x 40" Precast Terrazzo Shower Receptor.....	728.67	57.43
22 42 23 00-0056	EA		42" x 42" Precast Terrazzo Shower Receptor.....	758.47	57.43
22 42 23 00-0057	EA		48" x 48" Precast Terrazzo Shower Receptor.....	1,046.55	57.43
22 42 23 00-0058	EA		36" x 32" Precast Terrazzo Shower Receptor.....	662.44	57.43
22 42 23 00-0059	EA		42" x 32" Precast Terrazzo Shower Receptor.....	674.31	57.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0060 EA 42" x 34" Precast Terrazzo Shower Receptor.....	695.55	57.43
22 42 23 00-0061 EA 42" x 36" Precast Terrazzo Shower Receptor.....	722.04	57.43
22 42 23 00-0062 EA 32" x 48" Precast Terrazzo Shower Receptor.....	724.53	57.43
22 42 23 00-0063 EA 48" x 34" Precast Terrazzo Shower Receptor.....	758.47	57.43
22 42 23 00-0064 EA 54" x 32" Precast Terrazzo Shower Receptor.....	792.41	57.43
22 42 23 00-0065 EA 60" x 30" Precast Terrazzo Shower Receptor.....	1,063.84	68.91
22 42 23 00-0066 EA 60" x 32" Precast Terrazzo Shower Receptor.....	1,157.77	68.91
22 42 23 00-0067 EA 60" x 34" Precast Terrazzo Shower Receptor.....	1,162.38	68.91
22 42 23 00-0068 EA 60" x 36" Precast Terrazzo Shower Receptor.....	1,166.96	68.91
22 42 23 00-0069 EA 32" x 32" Precast Terrazzo Corner Shower Receptor.....	673.20	57.43
22 42 23 00-0070 EA 34" x 34" Precast Terrazzo Corner Shower Receptor.....	674.31	57.43
22 42 23 00-0071 EA 36" x 36" Precast Terrazzo Corner Shower Receptor.....	676.51	57.43
22 42 23 00-0072 EA 40" x 40" Precast Terrazzo Corner Shower Receptor.....	801.51	57.43
22 42 23 00-0073 EA 36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,418.24	57.43
22 42 23 00-0074 EA 60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,583.19	68.91
22 42 23 00-0075 EA 60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,647.76	68.91
22 42 23 00-0076 Shower Receptors Accessories (22 42 23 00-0021)		
22 42 23 00-0077 SF Polyvinyl Chloride (PVC) Shower Pan Liner.....	4.72	
22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim (22 42 23)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079 EA Removal And Reinstallation Of Shower Head.....	68.91	
22 42 26 Commercial Disposers (22 42)		
See CSI section 22 41 26 00-0001 for disposals.		
22 42 33 Wash Fountains (22 42)		
22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002 EA 36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	8,863.13	213.74
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0003 EA 36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	5,125.78	213.74
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0004 EA 36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,755.22	213.74
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0005 EA 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	11,273.84	244.27
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0006 EA 54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,912.00	244.27
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0007 EA 54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,480.28	244.27
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009 EA 36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	7,730.24	183.20
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0010 EA 36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,669.63	183.20
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0011 EA 36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,655.98	183.20
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0012 EA 54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	9,476.70	213.74
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0013 EA 54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,628.48	213.74
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0014 EA 54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,914.30	213.74
For Metal Soap Dispenser, Add	100.00	
For Stainless Steel Pedestal Panels, Add	100.00	
22 42 39 Commercial Faucets, Supplies, and Trim (22 42)		
22 42 39 00-0001 Kitchen Faucets (22 42 39)		
22 42 39 00-0002 EA Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	221.78	70.49
22 42 39 00-0003 EA Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	246.03	70.49
22 42 39 00-0004 EA Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	227.39	70.49
22 42 39 00-0005 EA Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	252.91	70.49
22 42 39 00-0006 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	208.96	70.49
22 42 39 00-0007 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	226.05	70.49
22 42 39 00-0008 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	283.64	70.49
22 42 39 00-0009 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	211.37	70.49
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	204.90	70.49
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	236.52	70.49
22 42 39 00-0012 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	383.00	70.49
22 42 39 00-0013 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	416.96	70.49
22 42 39 00-0014 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	397.59	76.57
22 42 39 00-0015 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	395.93	76.57
22 42 39 00-0016 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	304.55	76.57
22 42 39 00-0017 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	654.03	70.49
22 42 39 00-0018 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	818.83	70.49
22 42 39 00-0019 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	873.76	70.49
22 42 39 00-0020 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	654.03	70.49
22 42 39 00-0021 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	818.83	70.49
22 42 39 00-0022 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	873.76	70.49
22 42 39 00-0023 Lavatory Faucets (22 42 39)		
22 42 39 00-0024 EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	253.10	50.75
22 42 39 00-0025 EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	182.94	50.75
22 42 39 00-0026 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	221.32	50.75
22 42 39 00-0027 EA 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	240.46	50.75
22 42 39 00-0028 EA Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	289.89	50.75
22 42 39 00-0029 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHFDF).....	333.80	50.75
22 42 39 00-0030 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	213.07	50.75
22 42 39 00-0031 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	311.89	50.75
22 42 39 00-0032 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	231.43	50.75
22 42 39 00-0033 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	236.24	50.75
22 42 39 00-0034 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	280.33	50.75
22 42 39 00-0035 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	275.12	50.75
22 42 39 00-0036 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	229.12	50.75
22 42 39 00-0037 Bath And Shower Faucets (22 42 39)		
22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)		
22 42 39 00-0039 EA Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	241.08	61.19
22 42 39 00-0040 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	277.28	61.19
22 42 39 00-0041 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	300.48	61.19
22 42 39 00-0042 EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	225.30	61.19
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0043 EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	234.58	61.19
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0044 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	261.50	61.19
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0045 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	292.13	61.19
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0046 Shower Valves And Trim (22 42 39)		
See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047 EA Senior Institutional Shower Head (Symmons® 4-150).....	235.28	61.19
22 42 39 00-0048 EA Universal Institutional Shower Head (Symmons® 4-151).....	373.48	61.19
22 42 39 00-0049 EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	271.66	61.19
22 42 39 00-0050 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	212.07	61.19
22 42 39 00-0051 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	827.30	91.64
22 42 39 00-0052 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	697.86	105.74
22 42 39 00-0053 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	899.55	105.74
22 42 39 00-0054 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,244.15	112.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0055 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	410.34	95.16
22 42 39 00-0056 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	835.17	95.16
22 42 39 00-0057 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	601.14	95.16
22 42 39 00-0058 EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,131.83	95.16
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	<i>106.44</i>	
<i>For Recessed Soap Dish, Add</i>	<i>108.12</i>	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>165.51</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0059 EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,333.25	95.16
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	<i>106.44</i>	
<i>For Recessed Soap Dish, Add</i>	<i>108.12</i>	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>165.51</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0060 EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	928.79	95.16
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	<i>19.32</i>	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>78.39</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0061 EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,368.66	95.16
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0062 EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,463.47	95.16
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>59.07</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0063 EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	2,644.44	95.16
<i>For Recessed Soap Dish, Add</i>	<i>83.94</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>227.79</i>	
22 42 39 00-0064 EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	2,318.32	95.16
<i>For Recessed Soap Dish, Add</i>	<i>83.94</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0065 EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,196.42	95.16
22 42 39 00-0066 EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,801.42	95.16
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>59.07</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0067 EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,194.90	95.16
22 42 39 00-0068 EA Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,191.56	95.16
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>59.07</i>	
22 42 39 00-0069 EA Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	875.12	84.59
22 42 39 00-0070 EA Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	670.87	61.19
22 42 39 00-0071 Service Sink Faucets (22 42 39)		
22 42 39 00-0072 EA 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	512.60	117.37
22 42 39 00-0073 EA 3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	383.21	117.37
22 42 39 00-0074 EA 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	408.27	117.37
22 42 39 00-0075 EA 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	421.27	117.37
22 42 39 00-0076 EA 7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	555.80	164.52
22 42 39 00-0077 EA 7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	624.46	187.50
22 42 39 00-0078 EA 11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	706.14	187.50
22 42 39 00-0079 EA Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFCF).....	418.53	117.37
22 42 39 00-0080 EA 8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8ABCP).....	633.48	187.50
22 42 39 00-0081 EA 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-KXCAB).....	829.40	187.50
22 42 39 00-0082 Laboratory Faucets And Fittings (22 42 39)		
22 42 39 00-0083 EA Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	209.12	49.91
22 42 39 00-0084 EA Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	336.78	70.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0085 EA Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	426.09	70.49
22 42 39 00-0086 EA Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	273.20	65.83
22 42 39 00-0087 EA 6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	373.54	93.89
22 42 39 00-0088 EA 6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	489.99	93.89
22 42 39 00-0089 EA Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	389.64	70.49
22 42 39 00-0090 EA Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	394.70	93.89
22 42 39 00-0091 EA Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	254.82	54.21
22 42 39 00-0092 EA Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	359.18	76.57
22 42 39 00-0093 EA 4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	285.37	76.57
22 42 39 00-0094 EA 4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP).....	340.15	76.57
22 42 39 00-0095 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	102.05	47.09
22 42 39 00-0096 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	533.11	84.59
22 42 39 00-0097 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	673.81	84.59
22 42 39 00-0098 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	801.99	84.59
22 42 39 00-0099 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	713.97	84.59
22 42 39 00-0100 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	842.32	84.59
22 42 39 00-0101 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	174.89	46.53
22 42 39 00-0102 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	242.23	55.83
22 42 39 00-0103 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	242.23	55.83
22 42 39 00-0104 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	309.58	65.13
22 42 39 00-0105 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	376.92	74.44
22 42 39 00-0106 Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0107 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	918.30	52.86
22 42 39 00-0108 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	992.30	49.34
22 42 39 00-0109 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,276.61	52.86
22 42 39 00-0110 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,347.15	52.86
22 42 39 00-0111 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,624.81	35.25
22 42 39 00-0112 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,976.78	88.11
22 42 39 00-0113 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,746.25	88.11
22 42 39 00-0114 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,836.02	88.11
22 42 39 00-0115 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	342.54	53.60
22 42 39 00-0116 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	374.98	53.60
22 42 39 00-0117 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	403.31	53.60
22 42 39 00-0118 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	1,703.37	35.25
22 42 39 00-0119 Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0120 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	350.20	49.91
22 42 39 00-0121 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	322.61	65.83
22 42 39 00-0122 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	345.76	49.91
22 42 39 00-0123 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	233.63	71.51
22 42 39 00-0124 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	407.88	54.21
22 42 39 00-0125 EA Push Button Bubbler, 1/2" OD (Haws 5017LF).....	412.98	54.21
22 42 39 00-0126 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	348.48	54.21
22 42 39 00-0127 Automatic Electronic Sensor Faucets (22 42 39)		
22 42 39 00-0128 EA Electronic Lavatory Faucet (American Standard 6055.205.002).....	653.31	117.58
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0129 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	658.88	117.58
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0130 EA Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	868.62	127.71
22 42 39 00-0131 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	897.64	117.58
22 42 39 00-0132 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,309.63	127.71
22 42 39 00-0133 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,623.45	127.71
22 42 39 00-0134 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,520.55	127.71
22 42 39 00-0135 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,075.53	117.58
22 42 39 00-0136 EA Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	1,075.81	117.58
22 42 39 00-0137 EA Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,134.48	117.58
22 42 39 00-0138 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	987.81	117.58
22 42 39 00-0139 EA Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,134.48	117.58
22 42 39 00-0140 EA Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	995.98	117.58
22 42 39 00-0141 EA Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	995.98	117.58
22 42 39 00-0142 EA Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,116.60	117.58
22 42 39 00-0143 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	952.77	117.58
22 42 39 00-0144 EA 4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	915.76	117.58
22 42 39 00-0145 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	1,276.12	117.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				Singles <small>(22 42 39)</small>		
22 42 39 00-0146						
	EA			Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	255.22	51.74
				Other Trim <small>(22 42 39)</small>		
22 42 39 00-0149	EA			Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	22.21	7.66
22 42 39 00-0150	EA			1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	146.85	22.97
22 42 39 00-0151	EA			1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	43.92	14.80
22 42 39 00-0152	EA			1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	43.92	14.80
22 42 39 00-0153	EA			1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	56.97	14.80
22 42 39 00-0154	PR			Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	43.13	16.27
22 42 39 00-0155	EA			12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	26.48	9.57
22 42 39 00-0156	EA			12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	27.07	9.57
				Removal And Reinstallation Of Fixtures And Trim <small>(22 42 39)</small>		
				Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0158	EA			Removal And Reinstallation Of Faucet	122.50	
				Flushometers <small>(22 42)</small>		
				Water Closet Flush Valves <small>(22 42 43)</small>		
22 42 43 00-0002	EA			Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	346.79	48.08
22 42 43 00-0003	EA			Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	336.45	48.08
22 42 43 00-0004	EA			Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	388.33	48.08
22 42 43 00-0005	EA			Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	535.13	48.08
22 42 43 00-0006	EA			Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142)	593.45	48.08
22 42 43 00-0007	EA			Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	1,072.19	48.08
22 42 43 00-0008	EA			Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	1,077.70	48.08
22 42 43 00-0009	EA			Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	1,136.52	48.08
22 42 43 00-0010	EA			Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	1,057.55	48.08
22 42 43 00-0011	EA			Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	475.64	48.08
				Note: "Green", 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA			Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	744.66	48.08
22 42 43 00-0013	EA			Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	464.37	48.08
22 42 43 00-0014	EA			Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	462.23	48.08
22 42 43 00-0015	EA			Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	462.07	42.29
22 42 43 00-0016	EA			Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	501.70	42.29
22 42 43 00-0017	EA			1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	1,087.41	48.08
22 42 43 00-0018	EA			Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	1,189.91	48.08
22 42 43 00-0019	EA			1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,513.40	48.08
22 42 43 00-0020	EA			1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,513.40	48.08
22 42 43 00-0021	EA			Exposed Infrared Water Closet Flush Valve (Zum ZEMS6000AV-HET-IS)	985.13	48.08
22 42 43 00-0022	EA			Exposed Infrared Water Closet Flush Valve (Zum ZTS6200EV)	977.07	48.08
22 42 43 00-0023	EA			Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	484.30	42.29
22 42 43 00-0024	EA			6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	151.44	7.70
22 42 43 00-0025	EA			Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	597.62	48.08
22 42 43 00-0026	EA			Exposed Manual Water Closet Flush Valve (Zum Z6000AV-HET)	372.00	48.08
22 42 43 00-0027	EA			Exposed Battery Powered Water Closet Flush Valve (Zum ZER6000AV-HET)	1,007.33	48.08
				Urinal Flush Valves <small>(22 42 43)</small>		
22 42 43 00-0029	EA			3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)	267.61	48.08
				Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0030	EA			1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)	286.01	48.08
				Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0031	EA			Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195)	373.89	48.08
				Note: 1.0 or 1.5 GPF.		
22 42 43 00-0032	EA			Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197)	446.29	48.08
				Note: 1.0 or 1.5 GPF.		
22 42 43 00-0033	EA			Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)	684.94	48.08
				Note: 1.0 or 1.5 GPF.		
22 42 43 00-0034	EA			Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)	910.22	48.08
				Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0035	EA			Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S)	1,017.52	48.08
				Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0036	EA			Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)	674.17	48.08
				Note: 1.0 GPF.		
22 42 43 00-0037	EA			Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)	1,183.31	48.08
				Note: 0.5 GPF.		
22 42 43 00-0038	EA			Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)	527.13	48.08
				Note: 0.13 GPF.		
22 42 43 00-0039	EA			3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zum Z6003AV-ULF)	302.14	48.08
				Note: 0.125 GPF.		
22 42 43 00-0040	EA			Top Spud, Exposed Battery Powered Urinal Flush Valve (Zum ZTR6203-ULF)	724.74	48.08
				Note: 0.125 GPF.		

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0041 EA Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS)..... Note: 0.125 GPF.	740.44	48.08
22 42 43 00-0042 Removal And Reinstallation Of Fixtures And Trim (22 42 43) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0043 EA Removal And Reinstallation Of Flush Valve	191.41	
22 42 43 00-0044 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0045 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	69.23	
22 42 46 Chemical Toilets (22 42) Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year..... For Extra Urinal, Add	5,810.13 186.27	1,409.81
22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year..... For Extra Urinal, Add	6,907.06 220.77	1,679.08
22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year	8,227.60 289.90	1,904.65
22 43 Healthcare Plumbing Fixtures (22 40)		
22 43 13 Healthcare Water Closets (22 43)		
22 43 13 00-0001 Healthcare Water Closets (22 43 13)		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	1,013.96	146.62
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	834.96	146.62
22 43 16 Healthcare Sinks (22 43)		
22 43 16 00-0001 Healthcare Sinks (22 43 16) Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,315.60	94.45
For Stainless Steel Rim Guards (Three Sides), Add	108.61	
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,452.34	271.38
For Stainless Steel Rim Guards (Three Sides), Add	108.61	
For Pedestal Base, Add	497.95	
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,267.78	94.45
For Painted Bracket Supports, Add	185.13	
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	1,124.34	94.45
22 43 39 Healthcare Faucets (22 43)		
22 43 39 00-0001 Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	111.54	21.15
22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004 EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	614.38	103.48
For Hard Wired AC Powered, Add	24.73	
22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006 EA Single Supply Metering Pedal Valve (Chicago Faucet 628).....	464.47	188.07
22 43 39 00-0007 EA Double Supply Metering Pedal Valve (Chicago Faucet 625)	528.52	188.07
22 43 39 00-0008 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,022.17	188.07
22 43 39 00-0009 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	740.55	188.07
22 43 39 00-0010 Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011 EA Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	558.27	103.48
22 43 39 00-0012 EA Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	564.07	103.48



Plumbing	22	22
Plumbing Fixtures	22 40	
Healthcare Plumbing Fixtures	22 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0013 EA Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	563.48	103.48
22 43 39 00-0014 EA Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	508.38	103.48
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	488.65	103.48
22 43 39 00-0016 Bedpan Washers (22 43 39)		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	1,298.04	188.07
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,237.30	188.07
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,219.31	188.07
22 43 39 00-0020 EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,201.82	188.07
22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)		
22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002 EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	256.68	48.08
22 43 43 00-0003 EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	535.70	48.08
22 43 46 Healthcare Patient Care Units (22 43)		
22 43 46 00-0001 Patient Care Units (22 43 46)		
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	19,927.02	281.96
<i>For SDB Single Temperature Dialysis Box, Add</i>	1,440.24	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,529.70	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,159.70	
<i>For LOCK Flush Valve Lockout Device, Add</i>	811.81	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	15,720.26	246.72
<i>For SDB Single Temperature Dialysis Box, Add</i>	1,440.24	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,529.70	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,159.70	
<i>For LOCK Flush Valve Lockout Device, Add</i>	811.81	
22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,893.47	38.28
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,084.45	38.28
22 45 Emergency Plumbing Fixtures (22 40)		
22 45 13 Emergency Showers (22 45)		
22 45 13 00-0001 Emergency Drench Showers (22 45 13)		
22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122).....	820.90	246.72
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	922.52	246.72
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	978.98	246.72
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	1,148.36	246.72
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,498.40	246.72
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	1,230.14	281.96
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	1,351.44	317.21
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,244.17	317.21
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	1,266.76	317.21
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,690.19	317.21
22 45 13 00-0013 Emergency Drench Showers (Speakman) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	740.70	246.72
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	759.16	246.72
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	1,139.49	281.96
22 45 13 00-0017 Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)		
Note: Includes one pull rod.		

22	Plumbing
22 40	Plumbing Fixtures
22 45	Emergency Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0018	EA		Emergency Shower, Vertically Mounted (WaterSaver ES635).....	966.41	246.72
22 45 13 00-0019	EA		Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	987.10	246.72
22 45 13 00-0020	EA		All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	2,000.00	246.72
22 45 13 00-0021	EA		Emergency Shower, Recess Mounted (WaterSaver ES629).....	1,504.07	317.21
22 45 13 00-0022	EA		Emergency Shower, Semi-Concealed (WaterSaver ES658).....	1,972.05	317.21
22 45 16 Eyewash Equipment (22 45)					
22 45 16 00-0001			Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002			Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	307.68	7.05
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,599.86	317.21
22 45 16 00-0005			Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006	EA		Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	886.27	70.49
22 45 16 00-0007	EA		Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	886.27	70.49
22 45 16 00-0008	EA		Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	901.94	70.49
22 45 16 00-0009	EA		Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	901.94	70.49
22 45 16 00-0010	EA		Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	1,189.64	70.49
22 45 16 00-0011	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,351.72	70.49
22 45 16 00-0012	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,351.72	70.49
22 45 16 00-0013	EA		Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	2,482.12	70.49
22 45 16 00-0014	EA		Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	2,482.12	70.49
22 45 16 00-0015	EA		Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	2,596.16	70.49
22 45 16 00-0016	EA		Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	2,596.16	70.49
22 45 16 00-0017	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	3,196.29	70.49
22 45 16 00-0018	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	3,196.29	70.49
22 45 16 00-0019	EA		Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,675.99	246.72
22 45 16 00-0020	EA		Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,653.87	246.72
22 45 16 00-0021	EA		Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	1,217.88	246.72
22 45 16 00-0022	EA		Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,677.66	246.72
22 45 16 00-0023	EA		Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	1,053.72	246.72
22 45 23 Personal Eyewash Equipment (22 45)					
22 45 23 00-0001			Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002			Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921).....	314.69	21.15
22 45 23 00-0004	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H).....	1,605.89	21.15
22 45 23 00-0005	EA		5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671).....	727.80	
22 45 23 00-0006	EA		5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672).....	868.20	
22 45 26 Eye/Face Wash Equipment (22 45)					
22 45 26 00-0001			Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002			Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003	EA		Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	843.64	176.23
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	883.00	246.72
22 45 26 00-0005	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	866.07	246.72
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	932.69	246.72
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	939.46	246.72
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	1,019.63	246.72
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,340.32	246.72
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,413.03	246.72
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	1,072.06	281.96
22 45 26 00-0012	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	1,201.91	281.96
22 45 26 00-0013	EA		Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,511.75	281.96
22 45 26 00-0014	EA		Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	666.04	70.49



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	643.46	70.49
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	671.69	70.49
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	835.42	70.49
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	2,127.66	352.45
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,500.46	281.96
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,601.92	352.45
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,986.00	281.96
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	817.64	246.72
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	991.75	281.96
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	1,506.41	246.72
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,966.20	246.72
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	1,907.75	246.72
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	1,768.27	246.72
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	931.90	70.49
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	931.90	70.49
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	904.69	70.49
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	904.69	70.49
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	1,372.17	70.49
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	1,372.17	70.49
22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)		
Note: Includes one pull rod.		
22 45 26 00-0037 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	5,646.98	246.72
22 45 29 Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	718.23	88.11
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	819.86	88.11
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	724.57	88.11
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	669.96	88.11
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	991.25	88.11
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	930.48	88.11
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	952.24	88.11
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	1,238.75	88.11
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,429.30	88.11
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	1,364.68	88.11
22 45 33 Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	4,219.19	458.19
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	2,931.94	458.19
Note: Includes freeze protection bury valve.		
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	2,113.29	458.19
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	3,225.52	458.19
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	2,429.46	458.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	2,299.60	458.19
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	2,000.37	458.19
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,123.90	458.19
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	3,400.54	458.19
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	3,462.65	458.19
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,840.92	458.19
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	4,061.11	458.19
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,999.00	458.19
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	5,862.13	458.19
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP 220V).....	6,167.01	458.19
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	12,772.65	458.19
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	2,000.37	458.19
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	2,231.85	458.19
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,914.51	458.19
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	6,459.77	382.83
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	6,598.34	382.83
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	2,693.12	382.83
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	2,477.53	382.83
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	3,152.91	382.83
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EV).....	757.75	88.11
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	1,090.86	88.11
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,582.05	88.11
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,858.69	88.11
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,615.24	88.11
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,756.38	88.11
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	4,602.58	88.11
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	5,522.85	88.11
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	842.44	88.11
22 45 39 Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	197.54	28.20
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	270.93	28.20
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	282.22	28.20
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	303.44	10.57
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	307.68	7.05
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	338.72	14.10



	Plumbing	22
	Plumbing Fixtures	22 40
	Emergency Plumbing Fixtures	22 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	634.91	105.74
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	623.12	46.21
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	916.70	46.21
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	1,090.86	105.74
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	2,017.64	46.21
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,284.09	154.02
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,329.25	154.02
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	4,260.14	154.02
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	8,042.85	154.02
22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers..... Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,138.58	105.74
22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	191.84	22.97

22 46 Security Plumbing Fixtures (22 40)

22 46 13 Security Water Closets and Urinals (22 46)

22 46 13 13 Security Water Closets (22 46 13)

22 46 13 13-0001 Security Water Closets (22 46 13 13)

22 46 13 13-0002 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675).....	3,228.93	352.45
For Angled Toilet, Add	35.25	
For Offset Toilet, Add	287.65	
22 46 13 13-0003 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684).....	3,879.08	352.45
For Angled Toilet, Add	35.25	
For Offset Toilet, Add	352.66	
22 46 13 13-0004 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695).....	3,936.04	352.45
For Angled Toilet, Add	35.25	
For Offset Toilet, Add	358.36	
22 46 13 13-0005 EA Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840).....	374.62	70.49

22 46 13 16 Security Urinals (22 46 13)

22 46 13 16-0001 Security Urinals (22 46 13 16)

22 46 13 16-0002 EA Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700).....	3,783.06	317.21
22 46 13 16-0003 EA Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720).....	6,387.46	450.72

22 46 13 19 Security Combination Toilet and Lavatory (22 46 13)

22 46 13 19-0001 Security Combination Toilet - Lavatory (22 46 13 19)

22 46 13 19-0002 EA 15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415).....	5,780.69	437.04
For Angled Toilet, Add	43.70	
For Offset Toilet, Add	534.37	
For 15" Mirror/Shelf Module, Add	987.04	
For AC Duplex Outlet Option, Add	117.41	
For Intercom Option, Add	162.41	
For 15" Wide Light/Ventilation Module, Add	897.22	
22 46 13 19-0003 EA 18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418).....	5,958.51	458.19
For Angled Toilet, Add	45.82	
For Offset Toilet, Add	550.03	
For 18" Mirror/Shelf Module, Add	1,033.19	
For AC Duplex Outlet Option, Add	121.64	
For Intercom Option, Add	166.64	
For 18" Wide Light/Ventilation Module, Add	924.91	
22 46 13 19-0004 EA 20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420).....	6,095.09	479.34
For Angled Toilet, Add	47.93	
For Offset Toilet, Add	561.58	
For 20" Mirror/Shelf Module, Add	1,089.34	
For AC Duplex Outlet Option, Add	125.87	
For Intercom Option, Add	170.87	
For 20" Wide Light/Ventilation Module, Add	962.60	

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0005 EA 26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	6,518.44	500.48
For Angled Toilet, Add	50.05	
For Offset Toilet, Add	601.80	
For 26" Mirror/Shelf Module, Add	1,135.48	
For AC Duplex Outlet Option, Add	130.10	
For Intercom Option, Add	175.10	
For 26" Wide Light/Ventilation Module, Add	995.29	
22 46 13 19-0006 EA 28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	10,404.69	521.63
For Angled Toilet, Add	52.16	
For Offset Toilet, Add	988.31	
For 28" Mirror/Shelf Module, Add	1,176.63	
For AC Duplex Outlet Option, Add	134.33	
For Intercom Option, Add	179.33	
For 28" Wide Light/Ventilation Module, Add	1,027.98	
22 46 16 Security Lavatories and Sinks (22 46)		
22 46 16 13 Security Lavatories (22 46 16)		
22 46 16 13-0001 Security Lavatories (22 46 16 13)		
22 46 16 13-0002 EA 20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	2,324.61	246.72
For Shelf, Add	109.02	
22 46 16 13-0003 EA 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	2,362.32	246.72
For Shelf, Add	109.02	
22 46 16 13-0004 EA 13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,680.79	246.72
For Shelf, Add	109.02	
22 46 16 13-0005 EA 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	2,362.32	246.72
For Shelf, Add	109.02	
22 46 16 16 Security Sinks (22 46 16)		
22 46 16 16-0001 Security Sinks (22 46 16 16)		
22 46 16 16-0002 EA 22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	4,946.01	375.71
22 46 16 16-0003 Security Mop Sink (22 46 16 16)		
22 46 16 16-0004 EA 24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,172.42	211.47
22 46 19 Security Showers (22 46)		
22 46 19 00-0001 EA Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	874.56	188.21
22 46 19 00-0002 EA Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	622.69	98.69
22 46 19 00-0003 EA 30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	12,753.83	563.93
22 46 19 00-0004 EA 32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	13,209.52	563.93
22 46 19 00-0005 EA 36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	13,678.51	563.93
22 46 19 00-0006 EA 36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	17,350.68	563.93
22 46 19 00-0007 EA Wall Mounted Security Shower, Stainless Steel (Acorn 452)	1,308.09	148.03
For PWT Electronic FV, Add	148.00	
22 46 19 00-0008 EA Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)	1,572.01	148.03
For PWT Electronic FV, Add	148.00	
22 46 56 Security Drinking Fountains (22 46)		
22 46 56 00-0001 Security Drinking Fountain (22 46 56)		
Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002 EA Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,628.56	281.96
22 46 56 00-0003 EA Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,646.75	281.96
22 47 Drinking Fountains and Water Coolers (22 40)		
22 47 13 Drinking Fountains (22 47)		
22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)		
22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0003 EA Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,868.30	229.09
22 47 13 00-0004 EA Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,668.77	246.72
22 47 13 00-0005 EA Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	2,418.36	229.09
22 47 13 00-0006 EA Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,866.87	246.72
22 47 13 00-0007 EA Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,297.47	229.09



Plumbing	22
Plumbing Fixtures	22 40
Drinking Fountains and Water Coolers	22 47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0008 EA Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners With Back Panel (Halsey-Taylor HRF5BP).....	1,535.13	246.72
22 47 13 00-0009 EA Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners (Halsey-Taylor HRFE).....	1,449.65	229.09
22 47 13 00-0010 EA Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners (Halsey-Taylor HRFEBP).....	1,740.82	246.72
22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0012 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,342.27	246.72
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,979.68	246.72
22 47 13 00-0014 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF).....	2,512.04	317.21
22 47 13 00-0015 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK).....	3,626.43	317.21
22 47 13 00-0016 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK).....	3,139.17	317.21
22 47 13 00-0017 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP).....	2,870.65	317.21
22 47 13 00-0018 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	3,183.82	246.72
22 47 13 00-0019 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	3,079.40	246.72
22 47 13 00-0020 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	2,951.79	246.72
22 47 13 00-0021 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	2,835.77	246.72
22 47 13 00-0022 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK).....	2,592.14	246.72
22 47 13 00-0023 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK).....	2,487.73	246.72
22 47 13 00-0024 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK).....	2,371.71	246.72
22 47 13 00-0025 EA Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK).....	2,371.71	246.72
22 47 13 00-0026 EA Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK).....	2,267.30	246.72
22 47 13 00-0027 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK).....	2,267.30	246.72
22 47 13 00-0028 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMA8F8WSSK).....	2,220.90	246.72
22 47 13 00-0029 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK).....	2,220.90	246.72
22 47 13 00-0030 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK).....	2,116.48	246.72
22 47 13 00-0031 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK).....	2,058.48	246.72
22 47 13 00-0032 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP).....	1,977.27	246.72
22 47 13 00-0033 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK).....	1,942.46	246.72
22 47 13 00-0034 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,826.45	246.72
22 47 13 00-0035 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK).....	2,058.48	246.72
22 47 13 00-0036 EA Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,826.45	246.72
22 47 13 00-0037 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK).....	1,928.71	246.72
22 47 13 00-0038 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP).....	1,930.86	246.72
22 47 13 00-0039 EA Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM).....	1,581.04	176.23
22 47 13 00-0040 EA Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF).....	1,209.80	176.23
22 47 13 00-0041 Semi-Recessed Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0042 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers (Halsey-Taylor 5801).....	1,762.66	264.34
22 47 13 00-0043 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers And Cuspidor (Halsey-Taylor 5801C).....	3,599.31	264.34
22 47 13 00-0044 Fully Recessed Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0045 EA Stainless Steel Fully-Recessed, With Bubblers, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,884.92	281.96
22 47 13 00-0046 EA Stainless Steel Fully-Recessed, With Bubblers And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	3,293.97	281.96
22 47 13 00-0047 Countertop Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0048 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 10000).....	818.24	176.23
22 47 13 00-0049 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6000).....	791.72	176.23

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0050 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	937.08	176.23
22 47 13 00-0051 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0052 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	707.90	176.23
22 47 13 00-0053 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	831.12	176.23
22 47 13 00-0054 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0055 EA Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	3,415.99	281.96
22 47 13 00-0056 EA Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	4,252.04	281.96
22 47 13 00-0057 EA Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	3,266.27	281.96
22 47 13 00-0058 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	2,781.49	281.96
22 47 13 00-0059 EA Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	3,458.43	281.96
22 47 13 00-0060 EA Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	3,083.18	359.67
22 47 13 00-0061 EA Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,514.19	281.96
22 47 13 00-0062 EA Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,418.81	281.96
22 47 13 00-0063 Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0064 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0063)		
22 47 13 00-0065 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,667.23	281.96
22 47 13 00-0066 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	1,811.31	281.96
22 47 13 00-0067 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,748.75	281.96
22 47 13 00-0068 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	2,486.18	281.96
22 47 13 00-0069 EA Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM)	1,490.85	281.96
Note: For use with remote chillers		
22 47 13 00-0070 Free Standing Outdoor Drinking Fountains (22 47 13 00-0063)		
22 47 13 00-0071 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	3,002.55	264.34
22 47 13 00-0072 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	4,152.30	264.34
22 47 13 00-0073 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	2,998.73	264.34
22 47 13 00-0074 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	4,078.86	264.34
22 47 13 00-0075 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	4,395.16	281.96
22 47 13 00-0076 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	4,471.94	281.96
22 47 13 00-0077 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,758.97	264.34
22 47 13 00-0078 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,919.14	264.34
22 47 13 00-0079 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	4,068.89	264.34
22 47 13 00-0080 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	4,771.46	281.96
22 47 13 00-0081 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	6,627.36	281.96
22 47 16 Pressure Water Coolers (22 47)		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	3,431.19	281.96
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	3,652.04	281.96
22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,720.31	281.96
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,777.19	281.96
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,955.38	281.96
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,023.63	281.96
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,542.12	281.96
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,760.12	281.96
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,419.84	281.96
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,052.37	281.96
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,351.07	422.94



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains and Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,019.67	281.96
22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	3,787.89	317.21
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	4,585.65	317.21
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	5,335.81	317.21
22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,643.18	246.72
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,754.08	246.72
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,971.14	246.72
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	2,176.82	246.72
22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	601.68	140.98
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	703.54	140.98
22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	4,560.78	422.94
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	5,199.37	422.94
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	2,528.32	422.94
22 47 16 00-0033 Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,715.88	176.23
22 47 16 00-0036 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,877.54	176.23
22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,815.83	264.34
22 47 16 00-0039 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	3,346.63	264.34
22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041 EA Removal And Reinstallation Of Wall Hung Water Cooler	683.71	
22 47 16 00-0042 EA Removal And Reinstallation Of Floor Mount Water Cooler.....	153.13	
22 47 19 Water-Station Water Coolers (22 47)		
22 47 19 00-0001 Bottle Filler (22 47 19)		
22 47 19 00-0002 EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	4,112.81	281.96
For Stainless Steel Carrier, Add		205.00
22 47 19 00-0003 EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	5,041.26	281.96
For Stainless Steel Carrier, Add		205.00
22 47 19 00-0004 EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	6,446.50	317.21
For Stainless Steel Carrier, Add		205.00
22 47 19 00-0005 EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	6,951.45	317.21
For Stainless Steel Carrier, Add		205.00
22 47 19 00-0006 EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3).....	7,456.40	317.21
For Stainless Steel Carrier, Add		205.00
22 47 23 Remote Water Coolers (22 47)		
22 47 23 00-0001 Remote Chillers (22 47 23)		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	984.62	95.16
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,474.00	105.74
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,285.56	123.35
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,644.03	140.98
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,569.84	211.47
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,786.12	229.09

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 47 26 Fixture Carriers (22 47)

22 47 26 00-0001	Water Cooler Carriers (22 47 26)		
22 47 26 00-0002	Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
	Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	619.23	53.58
	For Up To 4" Extension Sleeves And Hardware, Add	24.54	
	For Bi-Level Carrier, Add	292.18	
22 47 26 00-0004	EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	590.15	53.58
	For Up To 4" Extension Sleeves And Hardware, Add	24.54	
	For Bi-Level Carrier, Add	292.18	

22 50 Pool and Fountain Plumbing Systems (22)**22 51 Swimming Pool Plumbing Systems (22 50)****22 51 13 Swimming Pool Piping (22 51)**

22 51 13 00-0001	Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002	LF Swimming Pool Gutters, Stainless	269.27	31.72

22 51 19 Swimming Pool Water Treatment Equipment (22 51)

22 51 19 00-0001	Swimming Pool Heaters (22 51 19)		
	Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0002	Electric Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0003	EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,421.99	281.96
22 51 19 00-0004	EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,931.17	303.11
22 51 19 00-0005	EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,492.56	352.45
22 51 19 00-0006	EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,855.87	422.94
22 51 19 00-0007	EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,548.12	592.12
22 51 19 00-0008	EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,644.96	845.88
22 51 19 00-0009	Gas Fired Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0010	EA 120 MBH Output Gas Fired Pool Heater	6,681.69	1,261.84
22 51 19 00-0011	EA 180 MBH Output Gas Fired Pool Heater	7,593.29	1,442.10
22 51 19 00-0012	EA 240 MBH Output Gas Fired Pool Heater	8,577.01	1,622.37
22 51 19 00-0013	EA 300 MBH Output Gas Fired Pool Heater	9,919.53	1,982.89
22 51 19 00-0014	EA 360 MBH Output Gas Fired Pool Heater	10,231.46	2,090.40
22 51 19 00-0015	EA 400 MBH Output Gas Fired Pool Heater	11,785.80	2,469.53
22 51 19 00-0016	EA 500 MBH Output Gas Fired Pool Heater	18,196.80	2,849.46
22 51 19 00-0017	EA 600 MBH Output Gas Fired Pool Heater	21,044.14	3,134.40
22 51 19 00-0018	EA 750 MBH Output Gas Fired Pool Heater	23,692.57	3,419.35
22 51 19 00-0019	EA 1,000 MBH Output Gas Fired Pool Heater	30,263.27	4,036.73
22 51 19 00-0020	Surge Tanks (22 51 19)		
	Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021	EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	22,002.16	1,030.66
22 51 19 00-0022	EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	24,640.47	1,030.66
22 51 19 00-0023	EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	29,575.35	1,268.87
22 51 19 00-0024	EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	39,227.58	2,047.83
22 51 19 00-0025	Diatomite Type Filter System (22 51 19)		
22 51 19 00-0026	EA 35,000 Gallon Filter System, Diatomite	17,473.07	3,729.72
22 51 19 00-0027	EA 45,000 Gallon Filter System, Diatomite	20,857.87	4,475.66
22 51 19 00-0028	Silver Recovery System, X-Ray Film Processing (22 51 19)		
22 51 19 00-0029	EA 20 Gallon/Day Capacity, Silver Recovery System	2,188.90	478.54
22 51 19 00-0030	EA 40 Gallon/Day Capacity, Silver Recovery System	3,179.83	638.10
22 51 19 00-0031	Inline Water Filter (22 51 19)		
	Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032	EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	310.90	140.98
22 51 19 00-0033	EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	524.00	211.47
22 51 19 00-0034	Ultra-Violet Pool Treatment Lights (22 51 19)		
22 51 19 00-0035	Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)		
	Note: Delta ELP Amalgam Series		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0036 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	15,736.85	439.62
22 51 19 00-0037 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	16,631.03	439.62
22 51 19 00-0038 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,397.48	439.62
22 51 19 00-0039 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,950.70	465.43
22 51 19 00-0040 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	18,330.53	465.43
22 51 19 00-0041 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	21,779.46	465.43
22 51 19 00-0042 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	25,789.36	835.96
22 51 19 00-0043 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	38,130.18	835.96
22 51 19 00-0044 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	41,837.74	835.96
22 51 19 00-0045 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	44,895.53	1,002.89
22 51 19 00-0046 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	48,198.03	1,002.89
22 51 19 00-0047 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	50,503.58	1,002.89
22 51 19 00-0048 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	52,996.05	1,002.89
22 51 19 00-0049 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	56,941.02	1,139.95
22 51 19 00-0050 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	61,302.85	1,139.95
22 51 19 00-0051 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	65,664.66	1,139.95
22 51 19 00-0052 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	70,961.15	1,139.95

22 51 19 00-0053 HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)

Note: Delta EL Series

22 51 19 00-0054 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	7,901.20	439.62
22 51 19 00-0055 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,773.53	439.62
22 51 19 00-0056 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,684.81	465.43

22 51 19 00-0057 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)

Note: Delta EM Series

22 51 19 00-0058 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	30,333.37	439.62
22 51 19 00-0059 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	30,644.90	439.62
22 51 19 00-0060 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	32,815.02	835.96
22 51 19 00-0061 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	41,501.24	835.96
22 51 19 00-0062 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	57,856.35	1,002.89
22 51 19 00-0063 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	65,290.80	1,139.95
22 51 19 00-0064 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	77,015.78	1,475.15
22 51 19 00-0065 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	86,362.51	1,475.15

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities (22)

22 63 Gas Systems for Laboratory and Healthcare Facilities (22 60)

22 63 13 Gas Piping for Laboratory and Healthcare Facilities (22 63)

22 63 13 53 Laboratory Gas Piping (22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2234 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)

22 66 53 Laboratory Chemical-Waste and Vent Piping (22 66)

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings <small>(22 66 53 00-0001)</small>		
22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe <small>(22 66 53 00-0002)</small>		
22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	18.19	8.03
For Schedule 80, Add	3.17	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.71	
For Work In Restricted Working Space, Add	3.63	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	21.87	9.02
For Schedule 80, Add	4.28	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.67	
For Work In Restricted Working Space, Add	4.09	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	34.59	13.11
For Schedule 80, Add	7.73	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	6.62	
For Work In Restricted Working Space, Add	5.92	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	46.74	17.05
For Schedule 80, Add	10.98	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	9.39	
For Work In Restricted Working Space, Add	7.69	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	75.64	25.10
For Schedule 80, Add	19.78	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	16.93	
For Work In Restricted Working Space, Add	11.28	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 66 53 00-0002)

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	70.04 13.64	30.31
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	90.49 18.00	40.04
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	120.55 20.63	45.81
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	173.38 27.29	60.63
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	336.84 40.28	89.53
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	69.62 13.64	30.31
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	89.38 18.00	40.04
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	122.67 20.63	45.81
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	152.07 27.29	60.63
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	303.82 40.28	89.53
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	127.73 29.17	64.85
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	159.13 36.78	81.77
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	207.37 40.28	89.53
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	285.70 52.87	117.58
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	499.68 84.59	188.07
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	159.08 36.78	81.77
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	202.26 40.28	89.53
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	197.73 40.28	89.53
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	274.07 52.87	117.58
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	278.46 52.87	117.58
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	467.28 84.59	188.07
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	142.62 29.17	64.85
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	162.73 36.78	81.77
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	218.39 40.28	89.53
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	290.78 52.87	117.58
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	436.85 84.59	188.07
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	136.09 29.17	64.85
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	166.87 36.78	81.77
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	211.98 40.28	89.53
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	289.53 52.87	117.58
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	569.58 84.59	188.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	177.11	81.77
<i>For Work In Restricted Working Space, Add</i>	<i>36.78</i>	
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	206.73	89.53
<i>For Work In Restricted Working Space, Add</i>	<i>40.28</i>	
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	206.73	89.53
<i>For Work In Restricted Working Space, Add</i>	<i>40.28</i>	
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	284.99	117.58
<i>For Work In Restricted Working Space, Add</i>	<i>52.87</i>	
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	284.99	117.58
<i>For Work In Restricted Working Space, Add</i>	<i>52.87</i>	
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	509.37	188.07
<i>For Work In Restricted Working Space, Add</i>	<i>84.59</i>	
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	512.89	188.07
<i>For Work In Restricted Working Space, Add</i>	<i>84.59</i>	
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	468.76	188.07
<i>For Work In Restricted Working Space, Add</i>	<i>84.59</i>	
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <small>(22 66 53 00-0002)</small>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	169.34	81.06
<i>For Work In Restricted Working Space, Add</i>	<i>36.46</i>	
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	210.52	102.21
<i>For Work In Restricted Working Space, Add</i>	<i>45.97</i>	
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	282.43	111.94
<i>For Work In Restricted Working Space, Add</i>	<i>50.35</i>	
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	391.89	146.90
<i>For Work In Restricted Working Space, Add</i>	<i>66.08</i>	
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	693.74	235.01
<i>For Work In Restricted Working Space, Add</i>	<i>105.74</i>	
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	125.00	64.85
<i>For Work In Restricted Working Space, Add</i>	<i>29.17</i>	
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	163.17	81.77
<i>For Work In Restricted Working Space, Add</i>	<i>36.78</i>	
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	186.19	89.53
<i>For Work In Restricted Working Space, Add</i>	<i>40.28</i>	
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	256.98	117.58
<i>For Work In Restricted Working Space, Add</i>	<i>52.87</i>	
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	151.09	81.77
<i>For Work In Restricted Working Space, Add</i>	<i>36.78</i>	
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	181.33	89.53
<i>For Work In Restricted Working Space, Add</i>	<i>40.28</i>	
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	183.28	89.53
<i>For Work In Restricted Working Space, Add</i>	<i>40.28</i>	
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	249.76	117.58
<i>For Work In Restricted Working Space, Add</i>	<i>52.87</i>	
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	250.99	117.58
<i>For Work In Restricted Working Space, Add</i>	<i>52.87</i>	
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps <small>(22 66 53 00-0002)</small>		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap.....	147.63	75.29
<i>For Work In Restricted Working Space, Add</i>	<i>33.84</i>	
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	196.33	98.97
<i>For Work In Restricted Working Space, Add</i>	<i>44.52</i>	
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	295.69	134.35
<i>For Work In Restricted Working Space, Add</i>	<i>60.42</i>	
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	414.77	171.01
<i>For Work In Restricted Working Space, Add</i>	<i>76.90</i>	
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters <small>(22 66 53 00-0002)</small>		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter.....	68.88	30.31
<i>For Work In Restricted Working Space, Add</i>	<i>13.64</i>	
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	84.38	40.04
<i>For Work In Restricted Working Space, Add</i>	<i>18.00</i>	
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	98.95	45.81
<i>For Work In Restricted Working Space, Add</i>	<i>20.63</i>	
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	134.44	60.63
<i>For Work In Restricted Working Space, Add</i>	<i>27.29</i>	
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	199.40	89.53
<i>For Work In Restricted Working Space, Add</i>	<i>40.28</i>	
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 66 53 00-0002)</small>		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	65.94 13.64	30.31
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	86.59 18.00	40.04
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	103.02 20.63	45.81
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	138.44 27.29	60.63
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	62.30 13.64	30.31
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	80.04 18.00	40.04
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	93.11 20.63	45.81
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	123.13 27.29	60.63
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	181.03 40.28	89.53
22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 1-1/2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.30 4.65	7.75
22 66 53 00-0096 LF 2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	47.96 5.07	8.46
22 66 53 00-0097 LF 3" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	66.39 7.13	11.85
22 66 53 00-0098 LF 4" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	108.29 9.23	15.37
22 66 53 00-0099 LF 6" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	180.96 12.59	21.01
22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0101 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	117.44 20.68	34.54
22 66 53 00-0102 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	134.39 21.95	36.65
22 66 53 00-0103 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	184.02 24.95	41.59
22 66 53 00-0104 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	270.97 32.99	54.98
22 66 53 00-0105 EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	642.95 45.68	76.13
22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0107 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	117.73 20.77	34.68
22 66 53 00-0108 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	133.81 21.78	36.23
22 66 53 00-0109 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	183.73 24.87	41.45
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	270.97 32.99	54.98
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	642.92 45.67	76.13
22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	119.05 20.77	34.68
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	135.40 21.78	36.23
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	186.51 24.87	41.45
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	270.97 32.99	54.98
22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	119.05 20.77	34.68
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	135.40 21.78	36.23
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	186.51 24.87	41.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	270.97 32.99	54.98
22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg <small>(22 66 53 00-0093)</small>		
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg <i>For Work In Restricted Working Space, Add</i>	137.96 20.77	34.68
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	162.56 21.78	36.23
22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0126 EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	190.51 31.16	51.88
22 66 53 00-0127 EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	238.61 32.23	53.72
22 66 53 00-0128 EA 2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	222.60 32.67	54.42
22 66 53 00-0129 EA 3" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	300.61 37.31	62.17
22 66 53 00-0130 EA 4" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	494.47 49.48	82.48
22 66 53 00-0131 EA 6" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	757.39 68.53	114.19
22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0133 EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	182.51 31.30	52.16
22 66 53 00-0134 EA 2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	186.73 32.57	54.28
22 66 53 00-0135 EA 3" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	240.68 37.22	62.03
22 66 53 00-0136 EA 4" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	374.17 49.48	82.48
22 66 53 00-0137 EA 6" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	788.90 68.52	114.19
22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	185.32 32.14	53.58
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	220.11 35.11	58.50
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	233.65 35.95	59.91
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	301.17 43.56	72.60
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	315.43 43.99	73.31
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	331.20 45.26	75.43
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	582.33 56.68	94.45
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	627.63 57.94	96.58
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	643.98 62.17	103.62
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0149 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	258.10 41.45	69.08
22 66 53 00-0150 EA 2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	265.11 43.56	72.60
22 66 53 00-0151 EA 3" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	342.59 49.91	83.18
22 66 53 00-0152 EA 4" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	557.66 65.97	109.97
22 66 53 00-0153 EA 6" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	993.32 91.37	152.26
22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0155 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	262.29 42.71	71.19
22 66 53 00-0156 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	302.66 45.68	76.13
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	319.66 46.53	77.54
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	464.34 53.72	89.53

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	460.08 54.98	91.64
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	493.71 57.95	96.58
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	653.93 67.66	112.79
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	710.89 70.62	117.72
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	805.06 78.65	131.12
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	201.07 31.30	52.16
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	205.28 32.57	54.28
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	263.72 37.22	62.03
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	410.32 49.48	82.48
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	832.26 68.53	114.19
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	203.85 32.14	53.58
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	239.46 35.11	58.50
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	245.06 35.95	59.91
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	305.43 43.57	72.60
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	313.44 43.98	73.31
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	374.69 45.26	75.43
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	707.12 57.94	96.58
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	736.97 62.16	103.62
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	232.87 31.30	52.16
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	259.21 32.57	54.28
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	331.70 37.22	62.03
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	565.23 49.48	82.48
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	832.26 68.53	114.19
22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)		
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	186.49 31.30	52.16
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	190.70 32.57	54.28
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	256.57 37.22	62.03
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	391.91 49.48	82.48
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	776.74 68.53	114.19
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	189.27 32.14	53.58
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	228.33 35.11	58.50
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	234.59 35.95	59.91
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	317.09 43.57	72.60
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	320.06 43.98	73.31
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	346.86 45.26	75.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	565.07 56.66	94.45
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	651.99 57.94	96.58
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	708.34 62.16	103.62
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes <small>(22 66 53 00-0093)</small>		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	298.11 41.45	69.08
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	305.17 43.57	72.60
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	404.71 49.90	83.18
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	621.10 65.96	109.97
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	1,027.64 91.39	152.26
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes <small>(22 66 53 00-0093)</small>		
22 66 53 00-0208 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	302.29 42.71	71.19
22 66 53 00-0209 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	312.18 45.67	76.13
22 66 53 00-0210 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	358.46 46.52	77.54
22 66 53 00-0211 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	439.47 53.73	89.53
22 66 53 00-0212 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	463.28 54.99	91.64
22 66 53 00-0213 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	542.28 57.94	96.58
22 66 53 00-0214 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	830.31 67.65	112.79
22 66 53 00-0215 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	871.34 70.63	117.72
22 66 53 00-0216 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	932.73 78.67	131.12
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0218 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	207.48 31.30	52.16
22 66 53 00-0219 EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	212.57 32.57	54.28
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	269.55 37.22	62.03
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	398.66 49.48	82.48
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	757.79 68.53	114.19
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	211.14 32.14	53.58
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	231.64 35.11	58.50
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	247.84 35.95	59.91
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	309.14 43.57	72.60
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	321.79 43.98	73.31
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	348.85 45.26	75.43
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	566.26 56.66	94.45
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	640.47 57.94	96.58
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	655.34 62.16	103.62
22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	278.23 41.45	69.08
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	321.86 43.57	72.60

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend	429.89	83.18
<i>For Work In Restricted Working Space, Add</i>	49.90	
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend	679.67	109.97
<i>For Work In Restricted Working Space, Add</i>	65.96	
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend	1,121.13	152.26
<i>For Work In Restricted Working Space, Add</i>	91.39	
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	285.46	71.19
<i>For Work In Restricted Working Space, Add</i>	42.71	
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	359.08	76.13
<i>For Work In Restricted Working Space, Add</i>	45.67	
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	354.22	77.54
<i>For Work In Restricted Working Space, Add</i>	46.52	
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	472.06	89.53
<i>For Work In Restricted Working Space, Add</i>	53.73	
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	468.45	91.64
<i>For Work In Restricted Working Space, Add</i>	54.99	
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	523.86	96.58
<i>For Work In Restricted Working Space, Add</i>	57.94	
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	744.93	112.79
<i>For Work In Restricted Working Space, Add</i>	67.65	
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	793.16	117.72
<i>For Work In Restricted Working Space, Add</i>	70.63	
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	923.45	131.12
<i>For Work In Restricted Working Space, Add</i>	78.67	
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	311.96	71.19
<i>For Work In Restricted Working Space, Add</i>	42.71	
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact)	314.84	72.60
<i>For Work In Restricted Working Space, Add</i>	43.57	
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	335.24	70.49
<i>For Work In Restricted Working Space, Add</i>	42.29	
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	302.31	52.16
<i>For Work In Restricted Working Space, Add</i>	31.30	
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	332.36	54.28
<i>For Work In Restricted Working Space, Add</i>	32.57	
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	382.32	62.03
<i>For Work In Restricted Working Space, Add</i>	37.22	
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	559.00	82.48
<i>For Work In Restricted Working Space, Add</i>	49.48	
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	1,040.29	114.19
<i>For Work In Restricted Working Space, Add</i>	68.53	
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	304.29	53.58
<i>For Work In Restricted Working Space, Add</i>	32.14	
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	346.79	58.50
<i>For Work In Restricted Working Space, Add</i>	35.11	
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	368.82	59.91
<i>For Work In Restricted Working Space, Add</i>	35.95	
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	428.40	72.60
<i>For Work In Restricted Working Space, Add</i>	43.57	
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	452.70	73.31
<i>For Work In Restricted Working Space, Add</i>	43.98	
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	496.19	75.43
<i>For Work In Restricted Working Space, Add</i>	45.26	
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	712.55	96.58
<i>For Work In Restricted Working Space, Add</i>	57.94	
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	810.37	103.62
<i>For Work In Restricted Working Space, Add</i>	62.16	
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases <small>(22 66 53 00-0093)</small>		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	112.89	35.25
<i>For Eccentric Reducers Or Increases, Add</i>	3.39	
<i>For Work In Restricted Working Space, Add</i>	21.15	
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	139.07	38.06
<i>For Eccentric Reducers Or Increases, Add</i>	5.04	
<i>For Work In Restricted Working Space, Add</i>	22.84	
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	148.03	38.77
<i>For Eccentric Reducers Or Increases, Add</i>	5.64	
<i>For Work In Restricted Working Space, Add</i>	23.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add For Work In Restricted Working Space, Add</i>	188.68 7.88 27.07	45.11
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add For Work In Restricted Working Space, Add</i>	196.19 8.36 27.49	45.81
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add For Work In Restricted Working Space, Add</i>	208.89 9.04 28.76	47.94
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add For Work In Restricted Working Space, Add</i>	397.60 22.90 33.41	55.69
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add For Work In Restricted Working Space, Add</i>	417.16 24.35 33.84	56.39
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add For Work In Restricted Working Space, Add</i>	442.18 26.01 35.10	58.50
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add For Work In Restricted Working Space, Add</i>	465.69 26.77 39.33	65.55
 22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	253.53 31.30	52.16
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	270.52 32.14	53.58
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	301.76 32.57	54.28
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	272.88 31.30	52.16
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	295.17 32.14	53.58
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	329.58 32.57	54.28
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	278.18 31.30	52.16
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	295.17 32.14	53.58
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	329.58 32.57	54.28
 22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	338.34 31.30	52.16
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	421.18 32.14	53.58
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	433.19 32.57	54.28
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	370.54 31.30	52.16
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	392.16 32.14	53.58
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	439.42 32.57	54.28
 22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	54.99 10.58	17.62
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	61.56 11.00	18.33
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	76.53 12.27	20.44
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	119.11 16.49	27.49
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	169.81 22.84	38.06
 22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	704.11 41.45	69.08
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	71.95 10.58	17.62
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	78.98 10.58	17.62
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	113.95 21.15	35.25
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	218.41 21.99	36.65

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	221.06 21.99	36.65
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	247.56 21.99	36.65
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	204.09 21.99	36.65
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters <small>(22 66 53 00-0093)</small> Note: Includes teflon spacer.		
22 66 53 00-0312 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	202.35 31.21	52.02
22 66 53 00-0313 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	211.27 32.73	54.56
22 66 53 00-0314 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	287.35 37.31	62.17
22 66 53 00-0315 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	407.71 49.53	82.62
22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small> Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	33.26	
22 66 53 00-0318 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	41.96	
22 66 53 00-0319 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	56.10	
22 66 53 00-0320 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	94.52	
22 66 53 00-0321 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	220.18	
22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small> Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	42.89	
22 66 53 00-0324 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	53.67	
22 66 53 00-0325 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	91.12	
22 66 53 00-0326 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	135.82	
22 66 53 00-0327 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	331.17	
22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53 00-0328)</small> Note: Acid resistant. ASTM A518.		
22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	137.27	12.55
22 66 53 00-0331 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	193.16	15.65
22 66 53 00-0332 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	262.73	18.05
22 66 53 00-0333 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	428.73	23.73
22 66 53 00-0334 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	757.62	32.06
22 66 53 00-0335 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,340.83	40.43
22 66 53 00-0336 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,391.96	54.46
22 66 53 00-0337 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	4,262.46	62.44
22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0328)</small>		
22 66 53 00-0339 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	550.18	106.86
22 66 53 00-0341 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	718.59	117.58
22 66 53 00-0342 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,165.79	140.70
22 66 53 00-0343 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,718.71	156.77
22 66 53 00-0344 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	3,960.08	257.65
22 66 53 00-0345 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0346 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	321.57	106.86
22 66 53 00-0347 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	418.28	117.58
22 66 53 00-0348 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	524.82	140.70
22 66 53 00-0349 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,364.60	156.77
22 66 53 00-0350 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,107.08	257.65
22 66 53 00-0351 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	4,723.22	321.00
22 66 53 00-0352 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	6,941.55	386.02
22 66 53 00-0353 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0338)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0354 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	321.57	106.86
22 66 53 00-0355 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	418.28	117.58
22 66 53 00-0356 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	524.82	140.70
22 66 53 00-0357 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	997.05	156.77
22 66 53 00-0358 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,631.95	257.65
22 66 53 00-0359 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,849.83	321.00
22 66 53 00-0360 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	5,463.04	386.02
22 66 53 00-0361 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0338)		
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	321.57	106.86
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	418.28	117.58
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	524.48	140.56
22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0338)		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	438.12	106.86
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	772.38	117.58
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	865.47	140.70
22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	454.91	159.88
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	570.50	177.21
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	792.43	211.61
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,294.50	235.59
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,991.01	386.79
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	5,670.24	482.98
22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	427.02	153.25
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	497.72	164.52
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	555.65	170.30
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	636.07	188.07
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	680.91	193.99
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	747.64	199.77
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	911.52	203.86
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,012.79	209.11
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,134.75	218.72
22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0338)		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	517.59	159.88
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	623.59	176.79
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	850.64	211.61
22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0338)		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	489.74	153.25
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	610.62	171.15
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	735.52	194.55
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	788.87	200.33
22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0338)		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	450.73	160.16
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	619.81	177.21
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	792.17	211.47
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,302.10	234.71
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	5,003.44	386.41
22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0338)		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	462.84	153.25
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	497.65	164.52
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	525.75	171.29
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	586.76	188.07
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	609.54	194.27
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	730.60	200.33
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	960.45	204.12
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,142.78	209.11
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,193.03	218.72
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,937.19	311.73
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,172.25	322.02

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,882.64	338.51
22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	535.44	159.88
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	637.00	176.79
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	940.29	211.61
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,419.09	234.96
22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	444.91	153.25
22 66 53 00-0421 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	515.58	164.52
22 66 53 00-0422 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	570.27	171.15
22 66 53 00-0423 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	618.14	188.07
22 66 53 00-0424 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	713.11	194.55
22 66 53 00-0425 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	806.72	200.19
22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,018.64	204.12
22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,272.85	209.23
22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,395.27	219.10
22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	276.39	100.66
22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	302.74	106.30
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	338.11	111.94
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	540.20	124.07
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	566.60	129.84
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	599.55	130.78
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	780.36	140.78
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,136.83	193.27
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,210.71	209.62
22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	737.93	235.01
22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	971.01	235.01
22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	991.93	235.01
22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	1,087.15	291.68
22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	814.63	106.86
22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	983.05	117.58
22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,197.17	140.70
22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,502.69	156.77
22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	406.74	106.86
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	512.41	117.58
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	704.11	140.70
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	888.73	156.77
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,735.44	218.72
22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	7.19	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	82.18	
22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
Note: ASTM A518.		
22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	108.90	9.44
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	123.92	10.43
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	170.88	13.11
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	215.48	15.22



Plumbing		22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	403.63	74.87
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	436.16	84.59
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	597.07	93.33
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	720.51	112.79
22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	228.82	74.87
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	273.49	83.74
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	351.02	93.61
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	459.26	111.94
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	266.51	79.09
22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	228.82	74.87
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	273.49	83.74
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	351.02	93.61
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	459.26	111.94
22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	269.16	74.87
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	336.24	83.74
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	516.87	93.61
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	580.29	111.94
22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	260.20	74.87
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	309.35	83.74
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	476.53	93.61
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	539.95	111.94
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	393.01	112.64
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	321.29	112.64
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	396.41	126.88
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	521.29	141.40
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	787.17	169.32
22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	371.34	122.09
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	452.83	131.68
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	482.23	136.33
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	516.80	150.42
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	568.11	154.66
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	615.47	159.30
22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	321.85	113.07
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	378.48	126.88
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	503.36	141.40
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	787.17	169.32
22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	358.82	122.79
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	439.35	131.54
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	460.43	136.75
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	517.48	150.85

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	569.37	155.50
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	602.61	159.74
22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	481.23	150.56
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	612.56	169.46
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	783.08	187.50
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	1,019.30	225.43
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	530.48	159.45
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	593.85	168.90
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	706.54	178.20
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	779.93	197.37
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	938.36	207.38
22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	534.93	150.56
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	630.16	169.18
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	901.24	188.50
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,257.23	225.71
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	575.23	159.45
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	750.68	168.90
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	791.61	178.20
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	847.09	197.23
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,076.22	206.54
22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	356.59	112.22
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	414.34	126.88
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	503.36	141.40
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	836.48	169.32
22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	393.86	122.23
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	439.92	131.96
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	478.36	136.75
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	647.47	150.85
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	663.50	155.50
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	741.56	159.74
22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	566.00	150.28
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	710.71	169.04
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,021.23	187.93
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,226.57	226.13
22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	615.57	159.45
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	737.20	168.76
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	769.19	178.20
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	856.05	197.23
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	1,076.22	206.54
22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	267.69	79.93
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	301.62	84.59
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	354.15	98.69
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	418.47	93.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	443.43	98.41
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	468.39	103.06
22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	246.60	65.83
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	286.42	74.44
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	336.98	84.31
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	611.12	102.63
22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	109.93	37.50
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	130.02	41.87
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	141.90	46.81
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	182.57	55.97
22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	447.79	74.44
22 66 53 00-0579 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	461.75	83.74
22 66 53 00-0580 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	570.66	93.61
22 66 53 00-0581 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	728.20	111.94
22 66 53 00-0582 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	621.98	80.07
22 66 53 00-0583 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	855.72	89.39
22 66 53 00-0584 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,035.42	98.69
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,287.83	117.58
22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	831.12	85.01
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,310.88	94.03
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	866.47	84.59
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,310.88	94.03
22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	772.34	84.59
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	907.46	94.03
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	893.36	84.59
22 66 53 00-0595 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,960.82	94.03
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,167.44	94.03
22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	323.46	75.29
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	422.72	84.59
22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0464)</small>		
22 66 53 00-0601 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	165.27	56.39
22 66 53 00-0602 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	302.31	61.19
22 66 53 00-0603 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	222.28	70.49
22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0464)</small>		
22 66 53 00-0605 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	308.60	80.21
22 66 53 00-0606 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	337.48	84.59
22 66 53 00-0607 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	375.91	89.24
22 66 53 00-0608 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	403.08	98.41
22 66 53 00-0609 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	375.98	89.39
22 66 53 00-0610 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	396.40	94.03
22 66 53 00-0611 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	428.04	103.06
22 66 53 00-0612 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	484.21	98.69
22 66 53 00-0613 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	597.57	117.58
22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0615 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	107.58	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0616 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	125.51	
22 66 53 00-0617 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	134.47	
22 66 53 00-0618 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	147.92	
22 66 53 00-0619 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)		
22 66 53 00-0620 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	795.98	37.64
22 66 53 00-0621 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	301.62	18.75
22 66 53 00-0622 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	561.60	18.75
22 66 53 00-0623 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0464)		
22 66 53 00-0624 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,854.84	188.07
22 66 53 00-0625 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	3,523.35	197.52
22 66 53 00-0626 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	2,367.98	18.75
22 66 53 00-0627 Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618) (22 66 53)		
22 66 53 00-0628 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe (22 66 53 00-0627)		
Note: Excludes fittings or hangers.		
22 66 53 00-0629 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	17.86	5.92
22 66 53 00-0630 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	22.80	7.05
22 66 53 00-0631 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	37.25	10.15
22 66 53 00-0632 LF 4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	47.78	11.00
22 66 53 00-0633 LF 6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	75.28	12.49
22 66 53 00-0634 LF 8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	168.81	16.61
22 66 53 00-0635 Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings (22 66 53 00-0627)		
22 66 53 00-0636 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends (22 66 53 00-0635)		
22 66 53 00-0637 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	69.91	23.54
Note: 0.125		
For Work In Restricted Working Space, Add	10.58	
22 66 53 00-0638 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	88.16	30.03
Note: 0.16		
For Work In Restricted Working Space, Add	13.53	
22 66 53 00-0639 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	133.75	40.32
Note: 0.215		
For Work In Restricted Working Space, Add	18.19	
22 66 53 00-0640 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	186.81	46.95
Note: 0.25		
For Work In Restricted Working Space, Add	21.15	
22 66 53 00-0641 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	392.67	61.05
Note: 0.325		
For Work In Restricted Working Space, Add	27.49	
22 66 53 00-0642 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	542.93	82.20
Note: 0.438		
For Work In Restricted Working Space, Add	37.01	
22 66 53 00-0643 Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends (22 66 53 00-0635)		
22 66 53 00-0644 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	71.11	23.54
For Work In Restricted Working Space, Add	10.58	
22 66 53 00-0645 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	93.99	30.03
For Work In Restricted Working Space, Add	13.53	
22 66 53 00-0646 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	144.25	40.32
For Work In Restricted Working Space, Add	18.19	
22 66 53 00-0647 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	190.67	46.95
For Work In Restricted Working Space, Add	21.15	
22 66 53 00-0648 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0649 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	69.30	23.54
For Work In Restricted Working Space, Add	10.58	
22 66 53 00-0650 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	86.59	30.03
For Work In Restricted Working Space, Add	13.53	
22 66 53 00-0651 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	136.76	40.32
For Work In Restricted Working Space, Add	18.19	
22 66 53 00-0652 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	156.77	46.95
For Work In Restricted Working Space, Add	21.15	
22 66 53 00-0653 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	343.63	61.05
For Work In Restricted Working Space, Add	27.49	
22 66 53 00-0654 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	486.70	82.20
For Work In Restricted Working Space, Add	37.01	
22 66 53 00-0655 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends (22 66 53 00-0635)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0656 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	69.98 10.58	23.54
22 66 53 00-0657 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	86.54 13.53	30.03
22 66 53 00-0658 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	135.51 18.19	40.32
22 66 53 00-0659 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	166.56 21.15	46.95
22 66 53 00-0660 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	283.72 27.49	61.05
22 66 53 00-0661 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	321.41 37.01	82.20
22 66 53 00-0662 Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends (22 66 53 00-0635)		
22 66 53 00-0663 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	375.07 27.28	60.63
22 66 53 00-0664 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	289.93 20.30	45.11
22 66 53 00-0665 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	180.02 15.86	35.25
22 66 53 00-0666 Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees (22 66 53 00-0635)		
22 66 53 00-0667 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	95.91 15.86	35.25
22 66 53 00-0668 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	119.25 20.30	45.11
22 66 53 00-0669 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	194.14 27.28	60.63
22 66 53 00-0670 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	260.33 31.72	70.49
22 66 53 00-0671 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	652.73 41.24	91.50
22 66 53 00-0672 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	903.06 55.51	123.21
22 66 53 00-0673 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees (22 66 53 00-0635)		
22 66 53 00-0674 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	109.27 17.34	38.48
22 66 53 00-0675 EA 2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	116.54 18.82	41.73
22 66 53 00-0676 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	114.21 18.82	41.73
22 66 53 00-0677 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	167.82 23.47	52.16
22 66 53 00-0678 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	179.49 24.95	55.41
22 66 53 00-0679 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	231.17 27.92	62.03
22 66 53 00-0680 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	245.11 30.24	67.10
22 66 53 00-0681 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	487.70 38.06	84.45
22 66 53 00-0682 EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,099.53 47.58	105.60
22 66 53 00-0683 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees (22 66 53 00-0635)		
22 66 53 00-0684 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	135.35 21.15	46.95
22 66 53 00-0685 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	166.72 27.07	60.05
22 66 53 00-0686 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	223.53 36.37	80.78
22 66 53 00-0687 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	277.50 42.29	93.89
22 66 53 00-0688 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees (22 66 53 00-0635)		
22 66 53 00-0689 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	165.80 24.11	53.58
22 66 53 00-0690 EA 3" x 3" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	198.00 28.76	63.86
22 66 53 00-0691 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	249.51 31.72	70.49
22 66 53 00-0692 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	226.54 34.68	76.98

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0693 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	253.62 39.34	87.26
22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers (22 66 53 00-0635)		
22 66 53 00-0695 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	93.16 12.05	26.79
22 66 53 00-0696 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	103.87 14.38	31.86
22 66 53 00-0697 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	164.73 15.86	35.25
22 66 53 00-0698 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	180.73 17.34	38.48
22 66 53 00-0699 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	199.69 19.67	43.70
22 66 53 00-0700 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	268.48 22.84	50.75
22 66 53 00-0701 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	307.89 24.32	54.00
22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings (22 66 53 00-0635)		
22 66 53 00-0703 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.05 12.05	26.79
22 66 53 00-0704 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	78.44 14.38	31.86
22 66 53 00-0705 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	86.12 15.86	35.25
22 66 53 00-0706 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	131.63 17.34	38.48
22 66 53 00-0707 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	141.09 19.67	43.70
22 66 53 00-0708 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	214.70 22.84	50.75
22 66 53 00-0709 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	213.21 24.32	54.00
22 66 53 00-0710 EA 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	577.33 29.10	64.57
22 66 53 00-0711 EA 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	608.68 32.27	71.62
22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps (22 66 53 00-0635)		
22 66 53 00-0713 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	120.45 15.86	35.25
22 66 53 00-0714 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	161.98 20.30	45.11
22 66 53 00-0715 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	262.11 27.28	60.63
22 66 53 00-0716 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	410.00 31.72	70.49
22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes (22 66 53 00-0635)		
22 66 53 00-0718 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	96.75 15.86	35.25
22 66 53 00-0719 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	129.24 20.30	45.11
22 66 53 00-0720 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	200.66 27.28	60.63
22 66 53 00-0721 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	265.68 31.72	70.49
22 66 53 00-0722 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	543.48 41.24	91.50
22 66 53 00-0723 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	626.99 55.51	123.21
22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes (22 66 53 00-0635)		
22 66 53 00-0725 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	105.77 17.34	38.48
22 66 53 00-0726 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	124.30 18.82	41.73
22 66 53 00-0727 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	172.72 23.47	52.16
22 66 53 00-0728 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	185.46 24.95	55.41
22 66 53 00-0729 EA 4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	189.64 26.43	58.65
22 66 53 00-0730 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	240.26 27.92	62.03
22 66 53 00-0731 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	254.33 30.24	67.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0732 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	390.54 38.06	84.45
22 66 53 00-0733 EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	465.74 47.58	105.60
22 66 53 00-0734 EA 8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	511.00 50.75	112.64
22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <small>(22 66 53 00-0635)</small>		
22 66 53 00-0736 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	152.84 21.15	46.95
22 66 53 00-0737 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	177.28 27.07	60.05
22 66 53 00-0738 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	278.61 36.37	80.78
22 66 53 00-0739 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	499.99 42.29	93.89
22 66 53 00-0740 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	807.60 54.98	122.09
22 66 53 00-0741 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes <small>(22 66 53 00-0635)</small>		
22 66 53 00-0742 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	210.99 24.11	53.58
22 66 53 00-0743 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	266.48 31.72	70.49
22 66 53 00-0744 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	449.14 39.34	87.26
22 66 53 00-0745 EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	659.09 48.64	107.99
22 66 53 00-0746 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0747 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	110.16 15.86	35.25
22 66 53 00-0748 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	144.14 20.30	45.11
22 66 53 00-0749 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	212.99 27.28	60.63
22 66 53 00-0750 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	279.10 31.72	70.49
22 66 53 00-0751 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	606.02 41.24	91.50
22 66 53 00-0752 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,047.19 55.51	123.21
22 66 53 00-0753 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0754 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	105.47 17.34	38.48
22 66 53 00-0755 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	131.58 18.82	41.73
22 66 53 00-0756 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	179.77 23.47	52.16
22 66 53 00-0757 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	193.16 24.95	55.41
22 66 53 00-0758 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	245.34 27.92	62.03
22 66 53 00-0759 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	260.58 30.24	67.10
22 66 53 00-0760 EA 6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	476.62 36.59	81.20
22 66 53 00-0761 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	495.21 38.06	84.45
22 66 53 00-0762 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0763 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	163.53 21.15	46.95
22 66 53 00-0764 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	241.37 27.07	60.05
22 66 53 00-0765 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	381.01 36.37	80.78
22 66 53 00-0766 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	633.23 42.29	93.89
22 66 53 00-0767 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	869.20 54.98	122.09

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0769 EA 2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends .....211.00		53.58
<i>For Work In Restricted Working Space, Add</i>	24.11	
22 66 53 00-0770 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends .....323.52		70.49
<i>For Work In Restricted Working Space, Add</i>	31.72	
22 66 53 00-0771 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends .....388.31		76.98
<i>For Work In Restricted Working Space, Add</i>	34.68	
22 66 53 00-0772 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends .....403.83		87.26
<i>For Work In Restricted Working Space, Add</i>	39.34	
22 66 53 00-0773 EA 6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends .....508.44		101.36
<i>For Work In Restricted Working Space, Add</i>	45.68	
22 66 53 00-0774 EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends .....568.59		107.99
<i>For Work In Restricted Working Space, Add</i>	48.64	
22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug <small>(22 66 53 00-0635)</small>		
22 66 53 00-0776 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees .....104.14		35.25
<i>For Work In Restricted Working Space, Add</i>	15.86	
22 66 53 00-0777 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees .....124.32		45.11
<i>For Work In Restricted Working Space, Add</i>	20.30	
22 66 53 00-0778 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees .....209.69		60.63
<i>For Work In Restricted Working Space, Add</i>	27.28	
22 66 53 00-0779 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees .....267.47		70.49
<i>For Work In Restricted Working Space, Add</i>	31.72	
22 66 53 00-0780 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees .....574.24		91.50
<i>For Work In Restricted Working Space, Add</i>	41.24	
22 66 53 00-0781 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug .....25.37		11.70
<i>For Work In Restricted Working Space, Add</i>	5.29	
22 66 53 00-0782 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug .....31.04		14.94
<i>For Work In Restricted Working Space, Add</i>	6.77	
22 66 53 00-0783 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug .....45.12		20.16
<i>For Work In Restricted Working Space, Add</i>	9.09	
22 66 53 00-0784 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug .....51.86		23.40
<i>For Work In Restricted Working Space, Add</i>	10.58	
22 66 53 00-0785 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug .....84.55		30.45
<i>For Work In Restricted Working Space, Add</i>	13.74	
22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <small>(22 66 53 00-0635)</small>		
22 66 53 00-0787 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug .....57.67		23.54
<i>For Work In Restricted Working Space, Add</i>	10.58	
22 66 53 00-0788 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug .....71.54		30.03
<i>For Work In Restricted Working Space, Add</i>	13.53	
22 66 53 00-0789 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug .....109.40		40.32
<i>For Work In Restricted Working Space, Add</i>	18.19	
22 66 53 00-0790 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug .....154.38		46.95
<i>For Work In Restricted Working Space, Add</i>	21.15	
22 66 53 00-0791 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug .....236.76		61.05
<i>For Work In Restricted Working Space, Add</i>	27.49	
22 66 53 00-0792 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug .....412.31		82.20
<i>For Work In Restricted Working Space, Add</i>	37.05	
22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 66 53 00-0635)</small>		
22 66 53 00-0794 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings .....62.33		23.54
<i>For Work In Restricted Working Space, Add</i>	10.58	
22 66 53 00-0795 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Couplings .....78.90		30.03
<i>For Work In Restricted Working Space, Add</i>	13.53	
22 66 53 00-0796 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Couplings .....103.87		40.32
<i>For Work In Restricted Working Space, Add</i>	18.19	
22 66 53 00-0797 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Couplings .....132.02		46.95
<i>For Work In Restricted Working Space, Add</i>	21.15	
22 66 53 00-0798 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Couplings .....189.16		61.05
<i>For Work In Restricted Working Space, Add</i>	27.49	
22 66 53 00-0799 EA 8" Chlorinated Polyvinyl Chloride (CPVC) Couplings .....386.48		82.20
<i>For Work In Restricted Working Space, Add</i>	37.05	
22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters <small>(22 66 53 00-0635)</small>		
22 66 53 00-0801 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters .....38.92		11.70
22 66 53 00-0802 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters .....51.57		15.08
22 66 53 00-0803 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters .....78.18		20.16
22 66 53 00-0804 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters .....127.28		23.54
22 66 53 00-0805 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters .....199.97		30.45
22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters <small>(22 66 53 00-0635)</small>		
22 66 53 00-0807 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters .....43.12		11.70
22 66 53 00-0808 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters .....60.84		15.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0809 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	72.23	20.16
22 66 53 00-0810 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	122.64	23.54
22 66 53 00-0811 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	163.77	30.45
22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 66 53 00-0635)</small>		
22 66 53 00-0813 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	38.67	11.70
22 66 53 00-0814 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	47.75	15.08
22 66 53 00-0815 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	73.85	20.16
22 66 53 00-0816 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	124.01	23.54
22 66 53 00-0817 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	158.29	30.45
22 66 53 00-0818 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	247.23	41.17
22 66 83 Chemical-Waste Tanks <small>(22 66)</small>		
22 66 83 16 Chemical-Waste Neutralization Tanks <small>(22 66 83)</small>		
22 66 83 16-0001 Acid Neutralization Tank <small>(22 66 83 16)</small>		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank	655.13	287.12
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,159.94	398.14
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,460.00	574.24
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,880.56	765.66
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,400.42	918.79
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,258.06	1,148.49
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,786.13	1,435.61
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,883.68	1,722.72
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,569.99	2,067.27
22 66 83 16-0012 Polypropylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,036.32	287.12
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,763.51	398.14
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,809.84	574.24
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,704.80	765.66
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,676.71	918.79
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,313.81	1,148.49
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,832.81	1,435.61
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,457.45	1,722.72
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,191.39	2,067.27
22 66 83 16-0022 Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	561.51	95.71
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	578.35	95.71
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	595.20	95.71
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	655.78	114.85
Note: 1-1/2" top inlet and side outlet with anti siphon.		

END OF SECTION 22

22 Plumbing

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR			
CSI	UOM	DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	707.14
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,009.89
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,059.97
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,168.44
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	2,115.97
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	949.78
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,363.65
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,440.91
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,607.52
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,920.48
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,119.97
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,641.85
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,789.07
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	5,904.51
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	11,088.63

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping and Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	38.28
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	45.94
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	53.60
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	61.25
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	76.57
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0007	EA	Lock Out Padlock.....	15.31
23 01 20 91-0008	EA	Lock Out Tags.....	5.73

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	408.26
------------------	----	---	--------

23 01 20 91-0011 Pipe Freezing ^(23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location.....	805.75
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First.....	444.84
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location.....	972.69
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....	513.60
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location.....	1,326.85
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....	582.59
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location.....	1,512.49
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First.....	683.15
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location.....	2,195.45
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First.....	789.21
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location.....	4,453.89
		Note: Includes freezing on each side of valve or fitting.	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0023 EA >4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,026.18	
23 01 20 91-0024 EA >6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,925.37	
23 01 20 91-0025 EA >6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,498.15	
23 01 20 91-0026 EA >8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	8,160.11	
23 01 20 91-0027 EA >8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,031.19	
23 01 20 91-0028 EA >10" To 12" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	10,492.60	
23 01 20 91-0029 EA >10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,624.58	
23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91) Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031 LF Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	2.53 -0.19 -0.48 -0.69	
23 01 20 91-0032 LF >1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	3.48 -0.26 -0.64 -0.93	
23 01 20 91-0033 LF >2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	5.36 -0.38 -0.96 -1.39	
23 01 20 91-0034 LF 4", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	7.39 -0.51 -1.28 -1.85	
23 01 20 91-0035 LF 6", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	9.11 -0.61 -1.53 -2.22	
23 01 20 91-0036 LF 8", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	11.52 -0.77 -1.91 -2.78	
23 01 20 91-0037 LF 10", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	15.16 -1.02 -2.55 -3.70	
23 01 20 91-0038 LF 12", Water/Chlorine Pipe Disinfection/Flush/Testing <i>For >250 To 500, Deduct</i> <i>For >500 To 2000, Deduct</i> <i>For >2000, Deduct</i>	18.20 -1.22 -3.06 -4.44	
23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)		
23 01 20 91-0040 EA Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	311.73	
23 01 20 91-0041 Purge Liquid Systems (23 01 20 91) Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.		
23 01 20 91-0042 EA Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	242.02	
23 01 20 91-0043 EA >50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	302.53	
23 01 20 91-0044 EA >100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	431.81	
23 01 20 91-0045 EA >250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	517.44	
23 01 20 91-0046 EA >500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	646.80	
23 01 20 91-0047 EA >1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	840.84	
23 01 20 91-0048 LF >2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.42	
23 01 20 91-0049 EA Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	504.00	
23 01 20 91-0050 EA >100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	719.82	
23 01 20 91-0051 EA >250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	862.49	
23 01 20 91-0052 EA >500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,078.11	
23 01 20 91-0053 EA >1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,401.55	
23 01 20 91-0054 LF >2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.70	
23 01 20 91-0055 EA Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	705.62	
23 01 20 91-0056 EA >100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,007.76	
23 01 20 91-0057 EA >250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,207.49	
23 01 20 91-0058 EA >500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,509.36	
23 01 20 91-0059 EA >1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,962.17	
23 01 20 91-0060 LF >2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.99	
23 01 20 91-0061 EA Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	970.21	
23 01 20 91-0062 EA >100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,385.67	
23 01 20 91-0063 EA >250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,470.94	
23 01 20 91-0064 EA >500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,838.68	
23 01 20 91-0065 EA >1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	2,390.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0066 LF >2,000', >3" To 6" Diameter Pipe, Purge Liquid System.....	1.20	
23 01 20 91-0067 EA Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,309.79	
23 01 20 91-0068 EA >100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,870.64	
23 01 20 91-0069 EA >250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,985.77	
23 01 20 91-0070 EA >500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,482.21	
23 01 20 91-0071 EA >1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	3,226.87	
23 01 20 91-0072 LF >2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1.61	
23 01 20 91-0073 Special Cleaning Of Piping Systems (23 01 20 91)		
23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0073)		
23 01 20 91-0075 LF Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	3.18	
For >250 To 500, Deduct	-0.22	
For >500 To 2000, Deduct	-0.55	
For >2000, Deduct	-0.79	
23 01 20 91-0076 LF >1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.30	
For >250 To 500, Deduct	-0.35	
For >500 To 2000, Deduct	-0.88	
For >2000, Deduct	-1.28	
23 01 20 91-0077 LF >2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.43	
For >250 To 500, Deduct	-0.49	
For >500 To 2000, Deduct	-1.22	
For >2000, Deduct	-1.76	
23 01 20 91-0078 LF >3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	9.61	
For >250 To 500, Deduct	-0.62	
For >500 To 2000, Deduct	-1.56	
For >2000, Deduct	-2.26	
23 01 20 91-0079 LF >4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	13.34	
For >250 To 500, Deduct	-0.88	
For >500 To 2000, Deduct	-2.19	
For >2000, Deduct	-3.17	
23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)		
23 01 20 91-0081 LF Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	3.42	
For >250 To 500, Deduct	-0.22	
For >500 To 2000, Deduct	-0.55	
For >2000, Deduct	-0.79	
23 01 20 91-0082 LF >1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.60	
For >250 To 500, Deduct	-0.35	
For >500 To 2000, Deduct	-0.88	
For >2000, Deduct	-1.28	
23 01 20 91-0083 LF >2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.85	
For >250 To 500, Deduct	-0.49	
For >500 To 2000, Deduct	-1.22	
For >2000, Deduct	-1.76	
23 01 20 91-0084 LF >3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	10.24	
For >250 To 500, Deduct	-0.62	
For >500 To 2000, Deduct	-1.56	
For >2000, Deduct	-2.26	
23 01 20 91-0085 LF >4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	14.18	
For >250 To 500, Deduct	-0.88	
For >500 To 2000, Deduct	-2.19	
For >2000, Deduct	-3.17	
23 01 20 91-0086 Drewspers 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)		
23 01 20 91-0087 LF Up To 1", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	3.49	
For >250 To 500, Deduct	-0.22	
For >500 To 2000, Deduct	-0.55	
For >2000, Deduct	-0.79	
23 01 20 91-0088 LF >1" To 2", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	5.72	
For >250 To 500, Deduct	-0.35	
For >500 To 2000, Deduct	-0.88	
For >2000, Deduct	-1.28	
23 01 20 91-0089 LF >2" To 3", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	8.03	
For >250 To 500, Deduct	-0.49	
For >500 To 2000, Deduct	-1.22	
For >2000, Deduct	-1.76	
23 01 20 91-0090 LF >3" To 4", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	10.48	
For >250 To 500, Deduct	-0.62	
For >500 To 2000, Deduct	-1.56	
For >2000, Deduct	-2.26	
23 01 20 91-0091 LF >4" To 6", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	14.50	
For >250 To 500, Deduct	-0.88	
For >500 To 2000, Deduct	-2.19	
For >2000, Deduct	-3.17	
23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device (23 01 20 91)		
23 01 20 91-0093 EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	405.42	
23 01 20 91-0094 EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	509.78	
23 01 20 91-0095 EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	703.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0096	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,069.77
23 01 20 91-0097	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,318.75
23 01 20 91-0098	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,983.17

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)****23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)**

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	4.75
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.19
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	5.95
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.49
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	7.97
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.99
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	11.29
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	2.82
23 01 30 51-0006	SF	Clean Duct Dampers	16.00
23 01 30 51-0007	SF	Clean Duct Fire Dampers	32.00
23 01 30 51-0008	SF	Clean Louver	12.80
23 01 30 51-0009	EA	Clean Turning Vane Set	38.40
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register	38.40
		Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF	Clean Linear Diffuser	9.60
		Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	127.29
		<i>For Stainless Steel, Add</i>	82.00
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit	115.20
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit	153.58
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU)	153.58
23 01 30 51-0016	EA	Clean Packaged Terminal Air Conditioning Unit	153.58
23 01 30 51-0017	EA	Clean Supply Or Return Fan	307.18
23 01 30 51-0018	EA	Clean Exhaust Fan	268.78
23 01 30 51-0019	EA	Clean Duct Coil	230.38
23 01 30 51-0020	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum	7.68
		Note: Excluding fan and coils.	
23 01 30 51-0021	EA	Clean Air Handling Unit Fan	307.18
23 01 30 51-0022	EA	Clean Air Handling Unit Coil	460.76
23 01 30 51-0023	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.99
23 01 30 51-0024	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.75
23 01 30 51-0025	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.66
23 01 30 51-0026	EA	Cleaning Of Ductwork Minimum Set-up Charge	1,033.12
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0027	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.67

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)**23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)**

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair And Sealing Of Ductwork	2.68
		Note: Clean, apply sealant and tape	

23 01 30 61-0003 Rework Sheet Metal Ductwork (23 01 30 61)

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	37.57
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	73.25
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	96.80
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	121.22
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	169.05
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	197.23
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	225.40
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	253.58

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 61 Central Heating Equipment Repair (23 01 50)****23 01 50 61-0001 Boiler Repairs (23 01 50 61)****23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0003 EA Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	3,116.11	
23 01 50 61-0004 EA Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals. <i>For Burner Seals, Add</i>	3,351.48	
	<i>711.61</i>	
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	4,154.82	
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,077.41	
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	4,154.82	
23 01 50 61-0008 EA Removal And Replacement Of Handhole	129.84	
23 01 50 61-0009 EA Removal And Replacement Of Manhole.....	389.52	
23 01 50 61-0010 SF Sheet Metal Jacket Patch	14.60	
23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube	311.61	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube.....	389.53	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube	545.31	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	19.22	
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	22.61	
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	26.05	
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	39.02	
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	46.19	
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	60.26	
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	38.95	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	58.43	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	77.90	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	97.38	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	116.86	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	136.33	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	116.86	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	155.81	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	194.76	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	233.71	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	272.66	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	311.61	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	411.07	
23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	3,184.29	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,115.67	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,807.35	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	5,724.75	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	4,078.45	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	5,003.78	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	9,111.24	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,866.15	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,741.40	
23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold	157.31	
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,153.31	
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed	11,196.02	1,502.98
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	16,059.76	1,860.80
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	18,986.94	2,254.32
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	22,324.24	2,425.59
23 01 50 61-0052 Boiler And Chiller Water Treatment (23 01 50 61)		
Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053 LB Boil Out Boiler And System With Caustic Soda	1.68	
Note: Includes disposal after treatment.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate.....	2.52
		Note: Includes disposal after treatment.	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	157.57

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)**23 01 60 61 Central Cooling Equipment Repair (23 01 60)****23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)**

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,548.79
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,174.72
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	4,796.07
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,657.31
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,230.69
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,925.43
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,364.02
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	5,117.87
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,826.04
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,413.15
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	972.85
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	1,012.08
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	1,083.31
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,261.90
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,561.55
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	2,105.63
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	2,215.68
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	2,380.77
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread).....	49.13
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill.....	31.05

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)**

23 01 60 71-0002	LB	Recovery Of Refrigerant.....	16.19
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	30.38
		Note: Includes cleaning refrigerant gas prior to recharging.	
23 01 60 71-0004	LB	Recharging Of Refrigerant.....	13.64
		Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units.	

23 05 Common Work Results for HVAC (23)**23 05 13 Common Motor Requirements for HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	696.02
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	788.12
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	924.00
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	776.04
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	824.35
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,081.02
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	911.92
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	883.23
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,105.17
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	924.00
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	952.68
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,407.13
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,008.55
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,043.27
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,843.47
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,600.39
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,533.96
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,210.35
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,829.88
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,857.05
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,876.17
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,599.88
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,630.07
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,878.68
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,054.33
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,301.93
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,721.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,667.30	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,025.13	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,702.51	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,327.09	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,401.07	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,948.61	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,575.69	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,741.77	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,072.42	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,336.63	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,683.37	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,977.78	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,079.42	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	9,792.56	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,773.93	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,392.95	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	13,521.77	
23 05 13 00-0048 EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	13,976.22	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	16,680.27	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,474.51	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,259.09	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	13,025.04	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	14,501.63	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,961.61	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	17,237.39	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,525.27	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	20,300.77	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	18,902.70	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	19,400.93	
23 05 13 00-0061 EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	26,685.72	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	813.78	
23 05 13 00-0065 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	896.82	
23 05 13 00-0066 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,067.43	
23 05 13 00-0067 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	922.49	
23 05 13 00-0068 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	931.55	
23 05 13 00-0069 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,010.06	
23 05 13 00-0070 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	966.27	
23 05 13 00-0071 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,120.27	
23 05 13 00-0072 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,067.43	
23 05 13 00-0073 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,713.62	
23 05 13 00-0074 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,242.57	
23 05 13 00-0075 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,168.59	
23 05 13 00-0076 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,935.56	
23 05 13 00-0077 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,861.58	
23 05 13 00-0078 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,684.94	
23 05 13 00-0079 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,887.25	
23 05 13 00-0080 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,902.35	
23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0082 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,161.04	
23 05 13 00-0083 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,299.94	
23 05 13 00-0084 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,225.96	
23 05 13 00-0085 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,203.31	
23 05 13 00-0086 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,547.54	
23 05 13 00-0087 EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,289.37	
23 05 13 00-0088 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,260.68	
23 05 13 00-0089 EA 2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,571.70	
23 05 13 00-0090 EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,392.04	
23 05 13 00-0091 EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,431.29	
23 05 13 00-0092 EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,958.21	
23 05 13 00-0093 EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,713.62	
23 05 13 00-0094 EA 5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,432.80	
23 05 13 00-0095 EA 5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,272.25	
23 05 13 00-0096 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,983.88	
23 05 13 00-0097 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,911.41	
23 05 13 00-0098 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,240.03	
23 05 13 00-0099 EA 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,325.09	
23 05 13 00-0100 EA 10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,143.92	
23 05 13 00-0101 EA 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,699.01	
23 05 13 00-0102 EA 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,203.80	
23 05 13 00-0103 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,932.03	

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,934.03	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,516.32	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,555.58	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,569.14	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,588.28	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,650.18	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,432.75	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,451.89	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,516.81	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,586.23	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,473.51	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,213.82	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,699.95	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,175.57	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,884.18	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,929.93	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,485.05	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,344.64	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,694.37	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,361.73	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,265.10	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,276.13	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,473.43	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,394.38	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	23,459.27	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	29,483.37	

23 05 13 00-0130**Premium Efficient, Severe Duty Motors** (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,206.33	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,325.60	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,464.51	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,057.86	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,372.41	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,351.27	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,713.62	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,560.62	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,435.82	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,410.15	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,736.27	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,229.46	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,698.52	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,784.58	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,506.27	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,502.74	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,089.56	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,816.29	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,539.48	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,575.69	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,726.70	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,287.35	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,634.09	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,375.89	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,903.35	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,738.78	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,721.14	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,437.27	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,714.11	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,489.15	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,412.63	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,928.44	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,333.13	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,742.79	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,354.24	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,318.97	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,207.30	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,897.79	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,684.88	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,348.71	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,815.75	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,907.31	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,722.11	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,609.39	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,348.65	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,140.33	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,931.98	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,153.38	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,265.10	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,971.20	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,966.62	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various motor specifications and their costs.

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

Table listing explosion proof motor specifications (e.g., 1 HP, 1,800 RPM, 143T NEMA) and their associated costs.

23 05 13 00-0216 Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

Table listing motor mounting specifications (e.g., 1/2 HP Motor Mounting) and their associated costs.

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

Table listing expansion joint specifications (e.g., 1/2" Threaded, 150 LB) and their associated costs.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010 EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	557.46	123.41
For 300 LB Rating, Add	101.04	
23 05 16 00-0011 EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	616.16	148.09
For 300 LB Rating, Add	107.65	
23 05 16 00-0012 EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	665.73	188.01
For 300 LB Rating, Add	107.67	
23 05 16 00-0013 EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	719.01	204.51
For 300 LB Rating, Add	115.64	
23 05 16 00-0014 EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	799.94	239.77
For 300 LB Rating, Add	124.96	
23 05 16 00-0015 EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,042.88	401.96
For 300 LB Rating, Add	134.79	
23 05 16 00-0016 EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,352.67	439.69
For 300 LB Rating, Add	200.98	
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,301.36	488.55
For 300 LB Rating, Add	172.12	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,667.87	624.26
For 300 LB Rating, Add	223.10	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,104.32	759.97
For 300 LB Rating, Add	288.59	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,718.62	575.68
For 300 LB Rating, Add	391.44	
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,408.96	1,085.67
For 300 LB Rating, Add	512.97	
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,282.07	1,194.23
For 300 LB Rating, Add	697.32	
23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	663.01	169.25
For 300 LB Rating, Add	81.16	
23 05 16 00-0025 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	687.17	170.66
For 300 LB Rating, Add	86.46	
23 05 16 00-0026 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	698.85	176.30
For 300 LB Rating, Add	86.48	
23 05 16 00-0027 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	756.46	192.23
For 300 LB Rating, Add	92.88	
23 05 16 00-0028 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	854.93	226.09
For 300 LB Rating, Add	100.58	
23 05 16 00-0029 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,332.55	450.20
For 300 LB Rating, Add	108.27	
23 05 16 00-0030 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,562.63	459.64
For 300 LB Rating, Add	161.42	
23 05 16 00-0031 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,570.07	508.90
For 300 LB Rating, Add	138.25	
23 05 16 00-0032 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,878.08	581.51
For 300 LB Rating, Add	179.19	
23 05 16 00-0033 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,349.27	712.47
For 300 LB Rating, Add	231.79	
23 05 16 00-0034 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,984.80	863.65
For 300 LB Rating, Add	314.40	
23 05 16 00-0035 EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,471.05	879.39
For 300 LB Rating, Add	427.97	
23 05 16 00-0036 EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,526.05	1,099.23
For 300 LB Rating, Add	581.77	
23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)		
23 05 17 00-0001 Wall Seals And Sleeves (23 05 17) Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001) Note: Includes rubber gasket seal.		
23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	157.19	67.10
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	191.54	78.38
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	233.21	94.03
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	335.19	140.98
23 05 17 00-0007 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	434.66	187.93
23 05 17 00-0008 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	537.60	235.01
23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001) Note: Includes link seals 12" length.		
23 05 17 00-0010 EA 2" Steel Pipe Sleeve With Link Seals.....	185.88	67.91
23 05 17 00-0011 EA 2-1/2" Steel Pipe Sleeve With Link Seals.....	228.71	73.62
23 05 17 00-0012 EA 3" Steel Pipe Sleeve With Link Seals.....	269.22	79.33
23 05 17 00-0013 EA 4" Steel Pipe Sleeve With Link Seals.....	334.33	95.17
23 05 17 00-0014 EA 6" Steel Pipe Sleeve With Link Seals.....	484.29	118.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0015 EA 10" Steel Pipe Sleeve With Link Seals.....	1,123.06	142.68
23 05 17 00-0016 EA 13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,360.60	178.36
23 05 17 00-0017 EA 17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,859.71	219.45
23 05 17 00-0018 EA 23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	2,631.29	285.37
23 05 17 00-0019 EA 29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	2,578.74	356.71

23 05 19 Meters and Gages for HVAC Piping (23 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers <small>(23 05 19)</small>		
23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0003 EA 2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	134.13	49.02
23 05 19 00-0004 EA 2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	152.49	49.02
23 05 19 00-0005 EA 3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	152.49	49.02
23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0007 EA 7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	170.85	49.02
23 05 19 00-0008 EA 9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	170.85	49.02
23 05 19 00-0009 EA 12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	209.25	49.02
23 05 19 00-0010 EA 7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	175.86	49.02
23 05 19 00-0011 EA 9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	184.21	49.02
23 05 19 00-0012 EA 12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	214.26	49.02
23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers <small>(23 05 19 00-0001)</small> Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014 EA 7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	170.85	49.02
23 05 19 00-0015 EA 9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	170.85	49.02
23 05 19 00-0016 EA 12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	209.25	49.02
23 05 19 00-0017 EA 7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	192.56	49.02
23 05 19 00-0018 EA 9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	209.25	49.02
23 05 19 00-0019 EA 12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	213.51	49.02
23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021 EA 4" Long, 1" NPT, 304 Stainless Steel Thermowell.....	227.30	91.90
23 05 19 00-0022 EA 8" Long, 1" NPT, 304 Stainless Steel Thermowell.....	227.21	91.90
23 05 19 00-0023 Pressure Gauges <small>(23 05 19)</small>		
23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025 EA 2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	48.97	19.14
23 05 19 00-0026 EA 4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	58.82	19.14
23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028 EA 3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	313.76	19.14
23 05 19 00-0029 EA 4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	313.76	19.14
23 05 19 00-0030 EA 6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	407.32	19.14
23 05 19 00-0031 EA 8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	958.26	19.14
23 05 19 00-0032 Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small> Note: Liquid filled.		
23 05 19 00-0033 EA 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	154.94	19.14
23 05 19 00-0034 EA 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	341.47	19.14
23 05 19 00-0035 Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036 EA 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	337.12	19.14
23 05 19 00-0037 EA 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	337.12	19.14
23 05 19 00-0038 EA 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	337.12	19.14
23 05 19 00-0039 Gauge Accessories <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer).....	102.67	15.31
23 05 19 00-0041 EA 1/4" Snubber Valve.....	67.19	15.31
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock.....	42.96	22.98
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock.....	38.02	22.98
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon.....	55.01	22.98
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple.....	10.62	7.66
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let.....	84.83	38.29
23 05 19 00-0047 EA 1/4", 300 LB, Black Steel Union.....	121.00	15.31
23 05 19 00-0048 EA 1/4" Black Steel Coupling.....	33.98	15.31

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0049 EA 1/4", 300 LB, Black Steel Plug	19.15	9.19
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap	20.26	9.19
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.77	5.06
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe	12.78	5.06
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	11.30	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve	124.48	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover	96.83	23.44
23 05 19 00-0057 Venturi Flowmeters (23 05 19)		
23 05 19 00-0058 Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059 EA 3/4" Threaded, Brass, Venturi Flowmeter	335.41	104.16
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0060 EA 1" Threaded, Brass, Venturi Flowmeter	373.35	125.00
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0061 EA 1-1/4" Threaded, Brass, Venturi Flowmeter	412.06	138.93
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0062 EA 1-1/2" Threaded, Brass, Venturi Flowmeter	464.35	156.24
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0063 EA 2" Threaded, Brass, Venturi Flowmeter	550.63	178.61
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0064 EA 2-1/2" Threaded, Brass, Venturi Flowmeter	725.49	221.17
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0065 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066 EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter	2,574.48	214.03
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	751.25	
23 05 19 00-0067 EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter	3,590.21	256.83
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,076.79	
23 05 19 00-0068 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter	4,720.29	321.04
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,427.37	
23 05 19 00-0069 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter	5,578.24	428.05
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,652.75	
23 05 19 00-0070 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter	8,253.62	513.66
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	2,529.21	
23 05 19 00-0071 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter	13,661.88	642.08
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	4,332.21	
23 05 19 00-0072 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter	20,384.76	819.65
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	6,560.91	
23 05 19 00-0073 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter	28,502.28	1,229.47
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	9,115.16	
23 05 19 00-0074 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter	43,156.55	1,366.08
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	14,148.53	
23 05 19 00-0075 Turbine Flowmeter (23 05 19)		
23 05 19 00-0076 EA Saddle Mount Turbine Flowmeter	1,852.27	114.88
23 05 19 00-0077 Sight Flow Indicator (23 05 19)		
23 05 19 00-0078 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0079 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	182.15	22.30
23 05 19 00-0080 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	190.32	23.47
23 05 19 00-0081 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	205.61	24.66
23 05 19 00-0082 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	232.11	33.23
23 05 19 00-0083 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	277.61	40.27
23 05 19 00-0084 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	316.59	50.99
23 05 19 00-0085 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	444.20	58.96
23 05 19 00-0086 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	493.60	69.67



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0087		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	234.61	22.30
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	241.61	23.47
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	260.40	24.66
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	278.74	33.23
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	297.43	40.27
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	324.75	50.99
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	602.74	58.96
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	647.48	69.67
23 05 19 00-0096		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	336.03	22.30
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	354.69	23.47
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	385.14	24.66
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	420.96	33.23
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	483.95	40.27
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	514.77	50.99
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,022.41	58.96
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,078.80	69.67
23 05 19 00-0105		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	231.11	22.30
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	240.44	23.47
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	254.57	24.66
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	277.57	33.23
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	296.26	40.27
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	324.75	50.99
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	595.75	58.96
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	638.15	69.67
23 05 19 00-0114		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	333.70	22.30
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	359.35	23.47
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	392.13	24.66
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	420.96	33.23
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	483.95	40.27
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	519.43	50.99
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,022.41	58.96
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,078.80	69.67
23 05 19 00-0123		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	493.28	40.27
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	556.73	50.99
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	633.05	58.96
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	712.76	69.67
23 05 19 00-0128		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,090.36	160.79
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,223.38	204.13
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,788.04	239.67
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,707.35	401.80

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0133 EA 6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	4,299.78	449.69
23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0135 EA 1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	834.59	114.85
23 05 19 00-0136 EA 1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	984.80	133.99
23 05 19 00-0137 EA 1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	1,066.47	160.79
23 05 19 00-0138 EA 2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	1,337.04	204.13
23 05 19 00-0139 EA 3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	1,927.35	239.67
23 05 19 00-0140 EA 4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	2,858.32	401.80
23 05 19 00-0141 Water Flow Switches <small>(23 05 19)</small>		
23 05 19 00-0142 EA Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1).....	318.98	45.13
23 05 19 00-0143 EA Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1).....	329.64	45.13
23 05 19 00-0144 EA Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1).....	419.69	45.13
23 05 19 00-0145 EA Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1).....	433.32	45.13
23 05 19 00-0146 EA Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1).....	343.28	45.13
23 05 19 00-0147 EA Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1).....	355.71	45.13
23 05 19 00-0148 EA Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1).....	443.99	45.13
23 05 19 00-0149 EA Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1).....	456.42	45.13
23 05 19 00-0150 EA Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1).....	856.83	45.13
23 05 19 00-0151 EA Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1).....	868.88	45.13
23 05 19 00-0152 EA Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1).....	983.34	45.13
23 05 19 00-0153 EA Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1).....	999.91	45.13
23 05 19 00-0154 EA Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1).....	885.45	45.13
23 05 19 00-0155 EA Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1).....	902.01	45.13
23 05 19 00-0156 EA Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1).....	1,011.96	45.13
23 05 19 00-0157 EA Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1).....	1,030.03	45.13
23 05 23 General-Duty Valves For HVAC Piping <small>(23 05)</small>		
Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0713 for bolt and gasket sets.		
23 05 23 00-0001 Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0003 EA 1/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	76.57	15.31
<i>For Work In Restricted Working Space, Add</i>		
		13.38
<i>For 150 LB Rating, Add</i>		
		3.20
<i>For 200 LB Rating, Add</i>		
		4.80
<i>For 250 LB Rating, Add</i>		
		8.00
<i>For 300 LB Rating, Add</i>		
		11.19
23 05 23 00-0004 EA 3/8" Diameter, 125 LB, Threaded Bronze Gate Valve.....	78.91	15.31
<i>For Work In Restricted Working Space, Add</i>		
		14.08
<i>For 150 LB Rating, Add</i>		
		3.20
<i>For 200 LB Rating, Add</i>		
		4.80
<i>For 250 LB Rating, Add</i>		
		8.00
<i>For 300 LB Rating, Add</i>		
		11.19
23 05 23 00-0005 EA 1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	81.38	15.31
<i>For Work In Restricted Working Space, Add</i>		
		14.82
<i>For 150 LB Rating, Add</i>		
		3.20
<i>For 200 LB Rating, Add</i>		
		4.80
<i>For 250 LB Rating, Add</i>		
		8.00
<i>For 300 LB Rating, Add</i>		
		11.19
23 05 23 00-0006 EA 3/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	104.73	16.85
<i>For Work In Restricted Working Space, Add</i>		
		19.97
<i>For 150 LB Rating, Add</i>		
		3.82
<i>For 200 LB Rating, Add</i>		
		5.72
<i>For 250 LB Rating, Add</i>		
		9.54
<i>For 300 LB Rating, Add</i>		
		13.36
23 05 23 00-0007 EA 1" Diameter, 125 LB, Threaded Bronze Gate Valve.....	138.25	19.14
<i>For Work In Restricted Working Space, Add</i>		
		24.18
<i>For 150 LB Rating, Add</i>		
		5.77
<i>For 200 LB Rating, Add</i>		
		8.65
<i>For 250 LB Rating, Add</i>		
		14.41
<i>For 300 LB Rating, Add</i>		
		20.18
23 05 23 00-0008 EA 1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	179.82	20.37
<i>For Work In Restricted Working Space, Add</i>		
		30.63
<i>For 150 LB Rating, Add</i>		
		7.77
<i>For 200 LB Rating, Add</i>		
		11.66
<i>For 250 LB Rating, Add</i>		
		19.43
<i>For 300 LB Rating, Add</i>		
		27.21
23 05 23 00-0009 EA 1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	215.74	23.58
<i>For Work In Restricted Working Space, Add</i>		
		35.34
<i>For 150 LB Rating, Add</i>		
		9.80
<i>For 200 LB Rating, Add</i>		
		14.69
<i>For 250 LB Rating, Add</i>		
		24.49
<i>For 300 LB Rating, Add</i>		
		34.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0010 EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve	273.04	27.87
<i>For Work In Restricted Working Space, Add</i>	41.76	
<i>For 150 LB Rating, Add</i>	13.38	
<i>For 200 LB Rating, Add</i>	20.07	
<i>For 250 LB Rating, Add</i>	33.46	
<i>For 300 LB Rating, Add</i>	46.84	
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	569.65	37.64
<i>For Work In Restricted Working Space, Add</i>	56.39	
<i>For Chain Operated Type, Add</i>	171.76	
<i>For 150 LB Rating, Add</i>	38.17	
<i>For 200 LB Rating, Add</i>	57.25	
<i>For 250 LB Rating, Add</i>	95.42	
<i>For 300 LB Rating, Add</i>	133.59	
23 05 23 00-0012 EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve	673.14	43.70
<i>For Work In Restricted Working Space, Add</i>	65.07	
<i>For Chain Operated Type, Add</i>	205.31	
<i>For 150 LB Rating, Add</i>	45.63	
<i>For 200 LB Rating, Add</i>	68.44	
<i>For 250 LB Rating, Add</i>	114.06	
<i>For 300 LB Rating, Add</i>	159.69	
23 05 23 00-0013 EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve	1,333.62	49.34
<i>For Work In Restricted Working Space, Add</i>	74.01	
<i>For Chain Operated Type, Add</i>	489.11	
<i>For 150 LB Rating, Add</i>	108.69	
<i>For 200 LB Rating, Add</i>	163.04	
<i>For 250 LB Rating, Add</i>	271.73	
<i>For 300 LB Rating, Add</i>	380.42	
23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	306.70	23.58
<i>For Work In Restricted Working Space, Add</i>	35.34	
<i>For 150 LB Rating, Add</i>	37.78	
<i>For 250 LB Rating, Add</i>	66.12	
<i>For Chain Operated Type, Add</i>	66.12	
23 05 23 00-0016 EA 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	458.43	27.87
<i>For Work In Restricted Working Space, Add</i>	41.76	
<i>For 150 LB Rating, Add</i>	63.84	
<i>For 250 LB Rating, Add</i>	111.73	
<i>For Chain Operated Type, Add</i>	111.73	
23 05 23 00-0017 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	668.07	37.64
<i>For Work In Restricted Working Space, Add</i>	56.39	
<i>For 150 LB Rating, Add</i>	96.02	
<i>For 250 LB Rating, Add</i>	168.04	
<i>For Chain Operated Type, Add</i>	168.04	
23 05 23 00-0018 EA 3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	846.81	43.70
<i>For Work In Restricted Working Space, Add</i>	65.07	
<i>For 150 LB Rating, Add</i>	125.98	
<i>For 250 LB Rating, Add</i>	220.47	
<i>For Chain Operated Type, Add</i>	220.47	
23 05 23 00-0019 EA 4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,942.39	49.34
<i>For Work In Restricted Working Space, Add</i>	74.01	
<i>For 150 LB Rating, Add</i>	339.14	
<i>For 250 LB Rating, Add</i>	593.49	
<i>For Chain Operated Type, Add</i>	593.49	
23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	517.69	160.79
<i>For Work In Restricted Working Space, Add</i>	60.44	
<i>For 150 LB Rating, Add</i>	91.70	
<i>For 250 LB Rating, Add</i>	158.11	
<i>For 300 LB Rating, ASTM A182, Add</i>	416.95	
<i>For Chain Operated Type, Add</i>	158.11	
23 05 23 00-0022 EA 2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	585.92	204.13
<i>For Work In Restricted Working Space, Add</i>	76.57	
<i>For 150 LB Rating, Add</i>	95.90	
<i>For 250 LB Rating, Add</i>	165.35	
<i>For 300 LB Rating, ASTM A182, Add</i>	458.31	
<i>For Chain Operated Type, Add</i>	165.35	
23 05 23 00-0023 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	653.11	204.42
<i>For Work In Restricted Working Space, Add</i>	76.90	
<i>For 150 LB Rating, Add</i>	115.07	
<i>For 250 LB Rating, Add</i>	198.39	
<i>For 300 LB Rating, ASTM A182, Add</i>	524.95	
<i>For Chain Operated Type, Add</i>	198.39	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0024 EA 3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	795.91	239.67
For Work In Restricted Working Space, Add	89.99	
For 150 LB Rating, Add	143.83	
For 250 LB Rating, Add	247.98	
For 300 LB Rating, ASTM A182, Add	645.93	
For Chain Operated Type, Add	247.98	
23 05 23 00-0025 EA 4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,164.80	401.80
For Work In Restricted Working Space, Add	151.05	
For 150 LB Rating, Add	191.78	
For 250 LB Rating, Add	330.65	
For 300 LB Rating, ASTM A182, Add	913.05	
For Chain Operated Type, Add	330.65	
23 05 23 00-0026 EA 5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,364.73	404.73
For Work In Restricted Working Space, Add	151.54	
For 150 LB Rating, Add	249.29	
For 250 LB Rating, Add	429.81	
For 300 LB Rating, ASTM A182, Add	1,112.17	
For Chain Operated Type, Add	429.81	
23 05 23 00-0027 EA 6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,622.00	449.69
For Work In Restricted Working Space, Add	169.24	
For 150 LB Rating, Add	306.78	
For 250 LB Rating, Add	528.94	
For 300 LB Rating, ASTM A182, Add	1,339.94	
For Chain Operated Type, Add	528.94	
23 05 23 00-0028 EA 8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,466.17	574.61
For Work In Restricted Working Space, Add	214.14	
For 150 LB Rating, Add	508.19	
For 250 LB Rating, Add	876.19	
For 300 LB Rating, ASTM A182, Add	2,109.27	
For Chain Operated Type, Add	876.19	
23 05 23 00-0029 EA 10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,188.69	699.52
For Work In Restricted Working Space, Add	262.32	
For 150 LB Rating, Add	671.14	
For 250 LB Rating, Add	1,157.15	
For 300 LB Rating, ASTM A182, Add	2,751.49	
For Chain Operated Type, Add	1,157.15	
23 05 23 00-0030 EA 12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,366.17	849.42
For Work In Restricted Working Space, Add	317.96	
For 150 LB Rating, Add	958.82	
For 250 LB Rating, Add	1,653.15	
For 300 LB Rating, ASTM A182, Add	3,836.23	
For Chain Operated Type, Add	1,653.15	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0032 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	580.87	23.58
For Work In Restricted Working Space, Add	35.34	
For 175 LB Rating, Add	231.54	
For 250 LB Rating, Add	347.31	
23 05 23 00-0033 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	737.85	27.87
For Work In Restricted Working Space, Add	41.76	
For 175 LB Rating, Add	299.32	
For 250 LB Rating, Add	448.98	
23 05 23 00-0034 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	863.01	37.64
For Work In Restricted Working Space, Add	56.39	
For 175 LB Rating, Add	337.52	
For 250 LB Rating, Add	506.28	
23 05 23 00-0035 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	961.73	43.70
For Work In Restricted Working Space, Add	65.07	
For 175 LB Rating, Add	372.42	
For 250 LB Rating, Add	558.63	
23 05 23 00-0036 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,275.23	49.34
For Work In Restricted Working Space, Add	74.01	
For 175 LB Rating, Add	514.26	
For 250 LB Rating, Add	771.39	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0038 EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	657.31	160.79
For Work In Restricted Working Space, Add	60.44	
For 150 LB Rating, Add	68.37	
For 175 LB Rating, Add	141.31	
For 250 LB Rating, Add	296.29	
For Chain Operated Type, Add	227.92	
23 05 23 00-0039 EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	724.59	204.13
For Work In Restricted Working Space, Add	76.57	
For 150 LB Rating, Add	70.41	
For 175 LB Rating, Add	145.50	
For 250 LB Rating, Add	305.09	
For Chain Operated Type, Add	234.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0040 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 741.03	741.03	204.42
<i>For Work In Restricted Working Space, Add</i>	76.90	
<i>For 150 LB Rating, Add</i>	72.71	
<i>For 175 LB Rating, Add</i>	150.26	
<i>For 250 LB Rating, Add</i>	315.06	
<i>For Chain Operated Type, Add</i>	242.35	
23 05 23 00-0041 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 833.26	833.26	239.67
<i>For Work In Restricted Working Space, Add</i>	89.99	
<i>For 150 LB Rating, Add</i>	80.00	
<i>For 175 LB Rating, Add</i>	165.32	
<i>For 250 LB Rating, Add</i>	346.65	
<i>For Chain Operated Type, Add</i>	266.65	
23 05 23 00-0042 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 1,150.25	1,150.25	401.80
<i>For Work In Restricted Working Space, Add</i>	151.05	
<i>For 150 LB Rating, Add</i>	97.01	
<i>For 175 LB Rating, Add</i>	200.49	
<i>For 250 LB Rating, Add</i>	420.39	
<i>For Chain Operated Type, Add</i>	323.38	
23 05 23 00-0043 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 1,407.47	1,407.47	404.73
<i>For Work In Restricted Working Space, Add</i>	151.54	
<i>For 150 LB Rating, Add</i>	135.35	
<i>For 175 LB Rating, Add</i>	279.73	
<i>For 250 LB Rating, Add</i>	586.53	
<i>For Chain Operated Type, Add</i>	451.18	
23 05 23 00-0044 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 1,594.65	1,594.65	449.69
<i>For Work In Restricted Working Space, Add</i>	169.24	
<i>For 150 LB Rating, Add</i>	154.58	
<i>For 175 LB Rating, Add</i>	319.46	
<i>For 250 LB Rating, Add</i>	669.84	
<i>For Chain Operated Type, Add</i>	515.26	
23 05 23 00-0045 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 2,456.70	2,456.70	574.61
<i>For Work In Restricted Working Space, Add</i>	214.14	
<i>For 150 LB Rating, Add</i>	261.44	
<i>For 175 LB Rating, Add</i>	540.30	
<i>For 250 LB Rating, Add</i>	1,132.89	
<i>For Chain Operated Type, Add</i>	871.45	
23 05 23 00-0046 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 3,556.71	3,556.71	699.52
<i>For Work In Restricted Working Space, Add</i>	262.32	
<i>For 150 LB Rating, Add</i>	402.35	
<i>For 175 LB Rating, Add</i>	831.52	
<i>For 250 LB Rating, Add</i>	1,743.50	
<i>For Chain Operated Type, Add</i>	1,341.16	
23 05 23 00-0047 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 4,459.49	4,459.49	849.42
<i>For Work In Restricted Working Space, Add</i>	317.96	
<i>For 150 LB Rating, Add</i>	509.94	
<i>For 175 LB Rating, Add</i>	1,053.88	
<i>For 250 LB Rating, Add</i>	2,209.75	
<i>For Chain Operated Type, Add</i>	1,699.81	
23 05 23 00-0048 EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 8,668.64	8,668.64	1,135.21
<i>For Work In Restricted Working Space, Add</i>	425.70	
<i>For 150 LB Rating, Add</i>	1,087.44	
<i>For 175 LB Rating, Add</i>	2,247.39	
<i>For 250 LB Rating, Add</i>	4,712.26	
23 05 23 00-0049 EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 11,203.65	11,203.65	1,248.73
<i>For Work In Restricted Working Space, Add</i>	468.27	
<i>For 150 LB Rating, Add</i>	1,446.41	
<i>For 175 LB Rating, Add</i>	2,989.25	
<i>For 250 LB Rating, Add</i>	6,267.78	
23 05 23 00-0050 EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 15,231.20	15,231.20	1,384.96
<i>For Work In Restricted Working Space, Add</i>	519.36	
<i>For 150 LB Rating, Add</i>	2,025.00	
<i>For 175 LB Rating, Add</i>	4,185.00	
<i>For 250 LB Rating, Add</i>	8,775.01	
23 05 23 00-0051 EA 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 19,305.63	19,305.63	1,560.91
<i>For Work In Restricted Working Space, Add</i>	585.34	
<i>For 150 LB Rating, Add</i>	2,603.17	
<i>For 175 LB Rating, Add</i>	5,379.89	
<i>For 250 LB Rating, Add</i>	11,280.42	
23 05 23 00-0052 EA 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 26,335.48	26,335.48	1,915.67
<i>For Work In Restricted Working Space, Add</i>	718.37	
<i>For 150 LB Rating, Add</i>	3,591.14	
<i>For 175 LB Rating, Add</i>	7,421.68	
<i>For 250 LB Rating, Add</i>	15,561.59	
23 05 23 00-0053 EA 30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 54,776.69	54,776.69	3,121.82
<i>For Work In Restricted Working Space, Add</i>	1,170.68	
<i>For 150 LB Rating, Add</i>	7,631.16	
<i>For 175 LB Rating, Add</i>	15,771.07	
<i>For 250 LB Rating, Add</i>	33,068.37	
23 05 23 00-0054 EA 36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve 69,843.47	69,843.47	4,162.44
<i>For Work In Restricted Working Space, Add</i>	1,560.91	
<i>For 150 LB Rating, Add</i>	9,696.06	
<i>For 175 LB Rating, Add</i>	20,038.53	
<i>For 250 LB Rating, Add</i>	42,016.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0055 EA 42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	82,093.77	5,343.94
For Work In Restricted Working Space, Add	2,003.98	
For 150 LB Rating, Add	11,312.08	
For 175 LB Rating, Add	23,378.29	
For 250 LB Rating, Add	49,019.00	
23 05 23 00-0056 EA 48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	98,793.31	6,679.93
For Work In Restricted Working Space, Add	2,504.97	
For 150 LB Rating, Add	13,566.51	
For 175 LB Rating, Add	28,037.45	
For 250 LB Rating, Add	58,788.21	
23 05 23 00-0057 EA 54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	118,551.98	8,015.91
For Work In Restricted Working Space, Add	3,005.97	
For 150 LB Rating, Add	16,279.81	
For 175 LB Rating, Add	33,644.94	
For 250 LB Rating, Add	70,545.85	
23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001)		
Note: 800 psig at 850 degrees F.		
23 05 23 00-0059 EA 1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	177.30	15.31
For Work In Restricted Working Space, Add	13.38	
23 05 23 00-0060 EA 1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	182.11	15.31
For Work In Restricted Working Space, Add	14.82	
23 05 23 00-0061 EA 3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	217.09	16.85
For Work In Restricted Working Space, Add	19.97	
23 05 23 00-0062 EA 1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	263.49	19.14
For Work In Restricted Working Space, Add	24.18	
23 05 23 00-0063 EA 1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	397.17	20.37
For Work In Restricted Working Space, Add	30.63	
23 05 23 00-0064 EA 1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	469.00	23.58
For Work In Restricted Working Space, Add	35.34	
23 05 23 00-0065 EA 2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	587.52	27.87
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0066 Ball Valves (23 05 23)		
See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0067 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0066)		
Note: 125 LB WSP.		
23 05 23 00-0068 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	63.17	15.31
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	6.20	
For Work In Restricted Working Space, Add	14.82	
23 05 23 00-0069 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	87.75	16.85
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	9.53	
For Work In Restricted Working Space, Add	19.97	
23 05 23 00-0070 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	109.19	19.14
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	12.87	
For Work In Restricted Working Space, Add	24.18	
23 05 23 00-0071 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	150.09	20.37
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	21.60	
For Work In Restricted Working Space, Add	30.63	
23 05 23 00-0072 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	179.09	23.58
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	27.59	
For Work In Restricted Working Space, Add	35.34	
23 05 23 00-0073 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	216.00	27.87
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	34.56	
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0074 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	550.37	37.64
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	163.08	
For Work In Restricted Working Space, Add	56.39	
23 05 23 00-0075 EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	635.03	43.70
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	188.16	
For Work In Restricted Working Space, Add	65.07	
23 05 23 00-0076 EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	816.78	49.34
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	256.53	
For Work In Restricted Working Space, Add	74.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0077 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0078 EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	70.95	15.31
<i>For Work In Restricted Working Space, Add</i>	13.38	
23 05 23 00-0079 EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	78.01	15.31
<i>For Work In Restricted Working Space, Add</i>	14.82	
23 05 23 00-0080 EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	107.94	16.85
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 05 23 00-0081 EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	136.24	19.14
<i>For Work In Restricted Working Space, Add</i>	24.18	
23 05 23 00-0082 EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	197.18	20.37
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 05 23 00-0083 EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	238.25	23.58
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 05 23 00-0084 EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	305.07	27.87
<i>For Work In Restricted Working Space, Add</i>	41.76	
23 05 23 00-0085 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0086 EA 1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	438.89	160.79
<i>For Work In Restricted Working Space, Add</i>	60.44	
<i>For 150 LB Rating, Add</i>	68.85	
<i>For 250 LB Rating, Add</i>	118.71	
<i>For 300 LB Rating, ASTM A182, Add</i>	338.15	
<i>For Chain Operated Type, Add</i>	118.71	
<i>For Work In Restricted Working Space, Add</i>	60.44	
23 05 23 00-0087 EA 2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	549.75	204.13
<i>For Work In Restricted Working Space, Add</i>	76.57	
<i>For 150 LB Rating, Add</i>	85.41	
<i>For 250 LB Rating, Add</i>	147.27	
<i>For 300 LB Rating, ASTM A182, Add</i>	422.14	
<i>For Chain Operated Type, Add</i>	147.27	
<i>For Work In Restricted Working Space, Add</i>	76.57	
23 05 23 00-0088 EA 2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	794.37	204.42
<i>For Work In Restricted Working Space, Add</i>	76.90	
<i>For 150 LB Rating, Add</i>	156.03	
<i>For 250 LB Rating, Add</i>	269.02	
<i>For 300 LB Rating, ASTM A182, Add</i>	666.21	
<i>For Chain Operated Type, Add</i>	269.02	
<i>For Work In Restricted Working Space, Add</i>	76.90	
23 05 23 00-0089 EA 3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	881.69	239.67
<i>For Work In Restricted Working Space, Add</i>	89.99	
<i>For 150 LB Rating, Add</i>	168.70	
<i>For 250 LB Rating, Add</i>	290.87	
<i>For 300 LB Rating, ASTM A182, Add</i>	731.71	
<i>For Chain Operated Type, Add</i>	290.87	
<i>For Work In Restricted Working Space, Add</i>	89.99	
23 05 23 00-0090 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,320.59	401.80
<i>For Work In Restricted Working Space, Add</i>	151.05	
23 05 23 00-0091 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	2,779.55	449.69
<i>For Work In Restricted Working Space, Add</i>	169.24	
23 05 23 00-0092 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	4,644.59	574.61
<i>For Work In Restricted Working Space, Add</i>	214.14	
23 05 23 00-0093 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0094 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	62.32	15.31
<i>For True Union Socket Or Thread Type, Add</i>	7.76	
<i>For Work In Restricted Working Space, Add</i>	14.82	
23 05 23 00-0095 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	81.44	16.85
<i>For True Union Socket Or Thread Type, Add</i>	9.44	
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 05 23 00-0096 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	101.32	19.14
<i>For True Union Socket Or Thread Type, Add</i>	12.52	
<i>For Work In Restricted Working Space, Add</i>	24.18	
23 05 23 00-0097 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	129.30	20.37
<i>For True Union Socket Or Thread Type, Add</i>	16.24	
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 05 23 00-0098 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	165.13	23.58
<i>For True Union Socket Or Thread Type, Add</i>	25.12	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 05 23 00-0099 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	199.54	27.87
<i>For True Union Socket Or Thread Type, Add</i>	31.44	
<i>For Work In Restricted Working Space, Add</i>	41.76	
23 05 23 00-0100 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	317.78	37.64
<i>For True Union Socket Or Thread Type, Add</i>	61.79	
<i>For Work In Restricted Working Space, Add</i>	56.39	
23 05 23 00-0101 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	437.62	43.70
<i>For True Union Socket Or Thread Type, Add</i>	99.68	
<i>For Work In Restricted Working Space, Add</i>	65.07	
23 05 23 00-0102 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	668.75	49.34
<i>For True Union Socket Or Thread Type, Add</i>	181.77	
<i>For Work In Restricted Working Space, Add</i>	74.01	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0103 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0104 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	108.31	22.97
For Full Port, Add	18.64	
For Work In Restricted Working Space, Add	20.07	
23 05 23 00-0105 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	111.82	22.97
For Full Port, Add	18.64	
For Work In Restricted Working Space, Add	21.12	
23 05 23 00-0106 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	115.51	22.97
For Full Port, Add	18.64	
For Work In Restricted Working Space, Add	22.23	
23 05 23 00-0107 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	143.78	25.27
For Full Port, Add	19.76	
For Work In Restricted Working Space, Add	29.96	
23 05 23 00-0108 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	185.95	28.71
For Full Port, Add	29.27	
For Work In Restricted Working Space, Add	36.27	
23 05 23 00-0109 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	242.16	30.55
For Full Port, Add	40.06	
For Work In Restricted Working Space, Add	45.94	
23 05 23 00-0110 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	295.07	35.37
For Full Port, Add	53.27	
For Work In Restricted Working Space, Add	53.01	
23 05 23 00-0111 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	401.46	41.81
For Full Port, Add	86.69	
For Work In Restricted Working Space, Add	62.64	
23 05 23 00-0112 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	749.48	56.46
For Full Port, Add	210.38	
For Work In Restricted Working Space, Add	84.59	
23 05 23 00-0113 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	1,067.73	65.55
For Full Port, Add	334.07	
For Work In Restricted Working Space, Add	97.61	
23 05 23 00-0114 Wye Strainer, Union With Two Pressure Ports, Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0115 EA 1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	185.12	15.31
23 05 23 00-0116 EA 3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	238.21	19.90
23 05 23 00-0117 EA 1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	305.81	24.50
23 05 23 00-0118 EA 1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	415.53	33.68
23 05 23 00-0119 EA 1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	517.41	39.20
23 05 23 00-0120 EA 2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	679.12	45.94
23 05 23 00-0121 Plastic Ball Valves <small>(23 05 23 00-0066)</small>		
Note: Threaded or socket.		
23 05 23 00-0122 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves <small>(23 05 23 00-0121)</small>		
23 05 23 00-0123 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	84.25	15.31
23 05 23 00-0124 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	87.98	15.31
23 05 23 00-0125 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	112.29	16.85
23 05 23 00-0126 EA 1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	145.00	19.14
23 05 23 00-0127 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	173.91	20.37
23 05 23 00-0128 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	209.17	23.58
23 05 23 00-0129 EA 2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	253.77	27.87
23 05 23 00-0130 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves <small>(23 05 23 00-0121)</small>		
23 05 23 00-0131 EA 3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	120.75	15.31
23 05 23 00-0132 EA 1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	122.82	15.31
23 05 23 00-0133 EA 3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	155.42	16.85
23 05 23 00-0134 EA 1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	191.74	19.14
23 05 23 00-0135 EA 1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	284.56	20.37
23 05 23 00-0136 EA 1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	316.85	23.58
23 05 23 00-0137 EA 2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	379.74	27.87
23 05 23 00-0138 Viton Liner And Seals, Polypropylene (PP) Ball Valves <small>(23 05 23 00-0121)</small>		
23 05 23 00-0139 EA 3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	133.19	15.31
23 05 23 00-0140 EA 1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	143.55	15.31
23 05 23 00-0141 EA 3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	167.03	16.85
23 05 23 00-0142 EA 1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	205.01	19.14
23 05 23 00-0143 EA 1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	258.02	20.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05	23	00-0144	EA 1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	308.55	23.58
	23 05	23	00-0145	EA 2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	396.32	27.87
23 05 23 00-0146	Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves <small>(23 05 23 00-0121)</small>					
	23 05	23	00-0147	EA 3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	255.94	15.31
	23 05	23	00-0148	EA 1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	272.94	15.31
	23 05	23	00-0149	EA 3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	326.27	16.85
	23 05	23	00-0150	EA 1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	382.50	19.14
	23 05	23	00-0151	EA 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	467.03	20.37
	23 05	23	00-0152	EA 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	515.90	23.58
	23 05	23	00-0153	EA 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	595.38	27.87
23 05 23 00-0154	Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves <small>(23 05 23 00-0121)</small>					
	23 05	23	00-0155	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	61.69	15.31
	23 05	23	00-0156	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	82.68	16.85
	23 05	23	00-0157	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	100.51	19.14
	23 05	23	00-0158	EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	137.26	20.37
	23 05	23	00-0159	EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	152.96	23.58
	23 05	23	00-0160	EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	185.57	27.87
23 05 23 00-0161	Plastic, True Union, Ball Valves <small>(23 05 23 00-0066)</small>					
23 05 23 00-0162	Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves <small>(23 05 23 00-0161)</small>					
	Note: Socket or NPT connectors.					
	23 05	23	00-0163	EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	129.87	15.31
	23 05	23	00-0164	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	135.26	15.31
	23 05	23	00-0165	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	165.37	16.85
	23 05	23	00-0166	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	203.35	19.14
	23 05	23	00-0167	EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	246.41	20.37
	23 05	23	00-0168	EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	283.67	23.58
	23 05	23	00-0169	EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	346.56	27.87
23 05 23 00-0170	Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves <small>(23 05 23 00-0161)</small>					
	Note: Socket or NPT connectors.					
	23 05	23	00-0171	EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	131.53	15.31
	23 05	23	00-0172	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	151.85	15.31
	23 05	23	00-0173	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	167.03	16.85
	23 05	23	00-0174	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	203.35	19.14
	23 05	23	00-0175	EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	243.09	20.37
	23 05	23	00-0176	EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	282.01	23.58
	23 05	23	00-0177	EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	346.56	27.87
23 05 23 00-0178	Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves <small>(23 05 23 00-0161)</small>					
	Note: Socket or NPT connectors.					
	23 05	23	00-0179	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	77.20	15.31
	23 05	23	00-0180	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	99.85	16.85
	23 05	23	00-0181	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	120.41	19.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0182 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	157.66	20.37
23 05 23 00-0183 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	184.14	23.58
23 05 23 00-0184 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	247.03	27.87
23 05 23 00-0185 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	343.90	37.64
23 05 23 00-0186 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	429.22	43.70
23 05 23 00-0187 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	595.06	49.34
23 05 23 00-0188 Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves (23 05 23 00-0161)		
Note: Socket or NPT connectors.		
23 05 23 00-0189 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	88.81	15.31
23 05 23 00-0190 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	116.43	16.85
23 05 23 00-0191 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	143.63	19.14
23 05 23 00-0192 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	198.30	20.37
23 05 23 00-0193 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	218.98	23.58
23 05 23 00-0194 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	278.55	27.87
23 05 23 00-0195 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	469.97	37.64
23 05 23 00-0196 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	548.65	43.70
23 05 23 00-0197 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	827.29	49.34
23 05 23 00-0198 Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0161)		
23 05 23 00-0199 Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0198)		
23 05 23 00-0200 EA 1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	74.03	15.31
23 05 23 00-0201 EA 3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	76.37	15.31
23 05 23 00-0202 EA 1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	78.44	15.31
23 05 23 00-0203 EA 3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	100.84	16.85
23 05 23 00-0204 EA 1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	123.63	19.14
23 05 23 00-0205 EA 1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	149.39	20.37
23 05 23 00-0206 EA 1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	179.26	23.58
23 05 23 00-0207 EA 2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	228.79	27.87
23 05 23 00-0208 EA 2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	409.42	37.64
23 05 23 00-0209 EA 3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	457.42	43.70
23 05 23 00-0210 EA 4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	620.77	49.34
23 05 23 00-0211 Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0198)		
23 05 23 00-0212 EA 1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	74.03	15.31
23 05 23 00-0213 EA 3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	76.37	15.31
23 05 23 00-0214 EA 1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	78.44	15.31
23 05 23 00-0215 EA 3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	100.84	16.85
23 05 23 00-0216 EA 1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	123.63	19.14
23 05 23 00-0217 EA 1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	149.39	20.37
23 05 23 00-0218 EA 1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	179.26	23.58
23 05 23 00-0219 EA 2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	228.79	27.87
23 05 23 00-0220 EA 2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	409.42	37.64
23 05 23 00-0221 EA 3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	457.42	43.70
23 05 23 00-0222 EA 4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	620.77	49.34
23 05 23 00-0223 Three Piece Ball Valves (23 05 23 00-0066)		
23 05 23 00-0224 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0223)		
23 05 23 00-0225 EA 1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	110.22	15.31
For Work In Restricted Working Space, Add	13.38	
23 05 23 00-0226 EA 3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	112.56	15.31
For Work In Restricted Working Space, Add	14.08	
23 05 23 00-0227 EA 1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	125.47	15.31
For Work In Restricted Working Space, Add	14.82	
23 05 23 00-0228 EA 3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	159.93	16.85
For Work In Restricted Working Space, Add	19.97	
23 05 23 00-0229 EA 1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	203.20	19.14
For Work In Restricted Working Space, Add	24.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0230 EA 1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	278.33 30.63	20.37
23 05 23 00-0231 EA 1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	345.96 35.34	23.58
23 05 23 00-0232 EA 2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	552.62 41.76	27.87
23 05 23 00-0233 EA 2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,165.33 61.24	39.97
23 05 23 00-0234 Threaded, Carbon Steel Body, Three Piece Ball Valves <small>(23 05 23 00-0223)</small>		
23 05 23 00-0235 EA 1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	126.06 13.38	15.31
23 05 23 00-0236 EA 3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	137.57 14.08	15.31
23 05 23 00-0237 EA 1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	145.90 14.82	15.31
23 05 23 00-0238 EA 3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	229.74 19.97	16.85
23 05 23 00-0239 EA 1" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	292.40 24.18	19.14
23 05 23 00-0240 EA 1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	437.77 30.63	20.37
23 05 23 00-0241 EA 1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	554.01 35.34	23.58
23 05 23 00-0242 EA 2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	716.97 41.76	27.87
23 05 23 00-0243 Threaded, Stainless Steel Body, Three Piece Ball Valves <small>(23 05 23 00-0223)</small>		
23 05 23 00-0244 EA 1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	308.01 13.38	15.31
23 05 23 00-0245 EA 3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	329.97 14.08	15.31
23 05 23 00-0246 EA 1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	347.79 14.82	15.31
23 05 23 00-0247 EA 3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	503.35 19.97	16.85
23 05 23 00-0248 EA 1" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	613.51 24.18	19.14
23 05 23 00-0249 EA 1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	718.43 30.63	20.37
23 05 23 00-0250 EA 1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	957.53 35.34	23.58
23 05 23 00-0251 EA 2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,242.83 41.76	27.87
23 05 23 00-0252 EA 3" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	3,236.59 70.68	47.47
23 05 23 00-0253 Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0254 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves <small>(23 05 23 00-0253)</small>		
23 05 23 00-0255 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.81 11.29 13.84 16.38 20.03 14.82	15.31
23 05 23 00-0256 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.00 11.29 13.84 16.38 20.03 13.38	15.31
23 05 23 00-0257 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.28 16.85 20.65 24.46 29.89 14.08	15.31
23 05 23 00-0258 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.75 16.85 20.65 24.46 29.89 79.55 14.82	15.31
23 05 23 00-0259 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.48 18.26 22.39 26.51 32.40 91.43 19.97	16.08

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0260 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	160.22	16.08
For 150 LB Rating, Add	24.68	
For 200 LB Rating, Add	30.26	
For 250 LB Rating, Add	35.83	
For 300 LB Rating, Add	43.79	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	119.82	
For Work In Restricted Working Space, Add	24.18	
23 05 23 00-0261 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	239.60	20.37
For 150 LB Rating, Add	42.63	
For 200 LB Rating, Add	52.25	
For 250 LB Rating, Add	61.88	
For 300 LB Rating, Add	75.63	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	192.10	
For Work In Restricted Working Space, Add	30.63	
23 05 23 00-0262 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	314.32	23.58
For 150 LB Rating, Add	60.92	
For 200 LB Rating, Add	74.68	
For 250 LB Rating, Add	88.44	
For 300 LB Rating, Add	108.09	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	263.30	
For Work In Restricted Working Space, Add	35.34	
23 05 23 00-0263 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	370.25	27.87
For 150 LB Rating, Add	71.62	
For 200 LB Rating, Add	87.80	
For 250 LB Rating, Add	103.97	
For 300 LB Rating, Add	127.07	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	309.83	
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0264 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	420.90	37.64
For 150 LB Rating, Add	72.21	
For 200 LB Rating, Add	88.51	
For 250 LB Rating, Add	104.82	
For 300 LB Rating, Add	128.11	
For Work In Restricted Working Space, Add	56.39	
23 05 23 00-0265 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	738.76	43.70
For 150 LB Rating, Add	161.78	
For 200 LB Rating, Add	198.31	
For 250 LB Rating, Add	234.84	
For 300 LB Rating, Add	287.03	
For Work In Restricted Working Space, Add	65.07	
23 05 23 00-0266 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0253)		
23 05 23 00-0267 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	545.13	27.87
For 150 LB Rating, Add	125.84	
For 200 LB Rating, Add	154.25	
For 250 LB Rating, Add	182.66	
For 300 LB Rating, Add	223.26	
For Chain Operated Type, Add	338.94	
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0268 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	679.99	37.64
For 150 LB Rating, Add	152.53	
For 200 LB Rating, Add	186.97	
For 250 LB Rating, Add	221.41	
For 300 LB Rating, Add	270.61	
For Chain Operated Type, Add	410.84	
For Work In Restricted Working Space, Add	56.39	
23 05 23 00-0269 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	807.31	43.70
For 150 LB Rating, Add	183.03	
For 200 LB Rating, Add	224.36	
For 250 LB Rating, Add	265.69	
For 300 LB Rating, Add	324.73	
For Chain Operated Type, Add	493.00	
For Work In Restricted Working Space, Add	65.07	
23 05 23 00-0270 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,033.87	49.34
For 150 LB Rating, Add	244.04	
For 200 LB Rating, Add	299.15	
For 250 LB Rating, Add	354.25	
For 300 LB Rating, Add	432.98	
For Chain Operated Type, Add	657.34	
For Work In Restricted Working Space, Add	73.99	
23 05 23 00-0271 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0253)		
23 05 23 00-0272 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	526.12	204.13
For 150 LB Rating, Add	83.98	
For 250 LB Rating, Add	121.91	
For Chain Operated Type, Add	135.45	
For Work In Restricted Working Space, Add	76.57	
23 05 23 00-0273 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	586.57	204.42
For 150 LB Rating, Add	102.37	
For 250 LB Rating, Add	148.61	
For Chain Operated Type, Add	165.12	
For Work In Restricted Working Space, Add	76.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0274 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	696.25	239.67
<i>For 150 LB Rating, Add</i>	122.85	
<i>For 250 LB Rating, Add</i>	178.33	
<i>For Chain Operated Type, Add</i>	198.15	
<i>For Work In Restricted Working Space, Add</i>	89.99	
23 05 23 00-0275 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,031.88	401.80
<i>For 150 LB Rating, Add</i>	163.80	
<i>For 250 LB Rating, Add</i>	237.77	
<i>For Chain Operated Type, Add</i>	264.19	
<i>For Work In Restricted Working Space, Add</i>	151.05	
23 05 23 00-0276 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,239.90	404.73
<i>For 150 LB Rating, Add</i>	227.78	
<i>For 250 LB Rating, Add</i>	330.65	
<i>For Chain Operated Type, Add</i>	367.39	
<i>For Work In Restricted Working Space, Add</i>	151.54	
23 05 23 00-0277 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,492.93	449.69
<i>For 150 LB Rating, Add</i>	287.93	
<i>For 250 LB Rating, Add</i>	417.96	
<i>For Chain Operated Type, Add</i>	464.40	
<i>For Work In Restricted Working Space, Add</i>	169.24	
23 05 23 00-0278 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,142.09	574.61
<i>For 150 LB Rating, Add</i>	442.77	
<i>For 250 LB Rating, Add</i>	642.73	
<i>For Chain Operated Type, Add</i>	714.15	
<i>For Work In Restricted Working Space, Add</i>	214.14	
23 05 23 00-0279 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	3,049.85	699.52
<i>For 150 LB Rating, Add</i>	674.39	
<i>For 250 LB Rating, Add</i>	978.95	
<i>For Chain Operated Type, Add</i>	1,087.73	
<i>For Work In Restricted Working Space, Add</i>	262.32	
23 05 23 00-0280 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	5,176.43	849.42
<i>For 150 LB Rating, Add</i>	1,276.13	
<i>For 250 LB Rating, Add</i>	1,852.45	
<i>For Chain Operated Type, Add</i>	2,058.28	
<i>For Work In Restricted Working Space, Add</i>	317.96	
23 05 23 00-0281 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves <small>(23 05 23 00-0253)</small>		
23 05 23 00-0282 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	76.98	15.31
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	14.82	
23 05 23 00-0283 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	72.17	15.31
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	13.38	
23 05 23 00-0284 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	74.51	15.31
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 05 23 00-0285 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	78.82	15.31
<i>For 150 LB Rating, Add</i>	9.12	
<i>For 200 LB Rating, Add</i>	11.18	
<i>For 300 LB Rating, Add</i>	16.18	
<i>For Work In Restricted Working Space, Add</i>	14.82	
23 05 23 00-0286 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	107.36	16.08
<i>For 150 LB Rating, Add</i>	12.64	
<i>For 200 LB Rating, Add</i>	15.50	
<i>For 300 LB Rating, Add</i>	22.43	
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 05 23 00-0287 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	134.13	16.08
<i>For 150 LB Rating, Add</i>	16.59	
<i>For 200 LB Rating, Add</i>	20.34	
<i>For 300 LB Rating, Add</i>	29.44	
<i>For Work In Restricted Working Space, Add</i>	24.18	
23 05 23 00-0288 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	181.61	20.37
<i>For 150 LB Rating, Add</i>	24.65	
<i>For 200 LB Rating, Add</i>	30.22	
<i>For 300 LB Rating, Add</i>	43.74	
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 05 23 00-0289 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	210.50	23.58
<i>For 150 LB Rating, Add</i>	28.74	
<i>For 200 LB Rating, Add</i>	35.23	
<i>For 300 LB Rating, Add</i>	50.99	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 05 23 00-0290 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	278.85	27.87
<i>For 150 LB Rating, Add</i>	43.29	
<i>For 200 LB Rating, Add</i>	53.06	
<i>For 300 LB Rating, Add</i>	76.80	
<i>For Work In Restricted Working Space, Add</i>	41.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0291 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	456.07	40.88
For 150 LB Rating, Add	78.09	
For 200 LB Rating, Add	95.72	
For 300 LB Rating, Add	138.54	
For Work In Restricted Working Space, Add	61.25	
23 05 23 00-0292 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	662.17	47.47
For 150 LB Rating, Add	132.24	
For 200 LB Rating, Add	162.10	
For 300 LB Rating, Add	234.62	
For Work In Restricted Working Space, Add	70.68	
23 05 23 00-0293 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0293)		
23 05 23 00-0294 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	952.20	204.13
For 250 LB Rating, Add	418.19	
For Chain Operated Type, Add	271.82	
For Work In Restricted Working Space, Add	76.57	
23 05 23 00-0295 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	1,080.63	204.42
For 250 LB Rating, Add	494.58	
For Chain Operated Type, Add	321.48	
For Work In Restricted Working Space, Add	76.90	
23 05 23 00-0296 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	1,271.33	239.67
For 250 LB Rating, Add	582.82	
For Chain Operated Type, Add	378.83	
For Work In Restricted Working Space, Add	89.99	
23 05 23 00-0297 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	1,890.89	401.80
For 250 LB Rating, Add	832.43	
For Chain Operated Type, Add	541.08	
For Work In Restricted Working Space, Add	151.05	
23 05 23 00-0298 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	2,991.59	404.73
For 250 LB Rating, Add	1,491.88	
For Chain Operated Type, Add	969.72	
For Work In Restricted Working Space, Add	151.54	
23 05 23 00-0299 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	3,050.60	449.69
For 250 LB Rating, Add	1,491.88	
For Chain Operated Type, Add	969.72	
For Work In Restricted Working Space, Add	169.24	
23 05 23 00-0300 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	5,580.32	574.61
For 250 LB Rating, Add	2,919.91	
For Chain Operated Type, Add	1,897.94	
For Work In Restricted Working Space, Add	214.14	
23 05 23 00-0301 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0293)		
Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0302 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	221.00	24.81
For Work In Restricted Working Space, Add	13.38	
23 05 23 00-0303 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	225.81	24.81
For Work In Restricted Working Space, Add	14.82	
23 05 23 00-0304 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	267.26	33.38
For Work In Restricted Working Space, Add	19.97	
23 05 23 00-0305 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	329.84	40.27
For Work In Restricted Working Space, Add	24.18	
23 05 23 00-0306 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	529.36	50.99
For Work In Restricted Working Space, Add	30.63	
23 05 23 00-0307 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	634.08	58.96
For Work In Restricted Working Space, Add	35.34	
23 05 23 00-0308 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	804.40	69.67
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0309 Triple Duty Valves (23 05 23)		
Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0310 Straight Pattern, Triple Duty Valves (23 05 23 00-0309)		
Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0311 EA 1" Threaded, Straight Pattern, Triple Duty Valve.....	326.41	16.08
23 05 23 00-0312 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve.....	380.33	20.37
23 05 23 00-0313 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	414.65	23.58
23 05 23 00-0314 EA 2" Flanged, Straight Pattern, Triple Duty Valve.....	1,062.40	204.13
23 05 23 00-0315 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	1,188.76	204.42
23 05 23 00-0316 EA 3" Flanged, Straight Pattern, Triple Duty Valve.....	1,306.61	239.67
23 05 23 00-0317 EA 4" Flanged, Straight Pattern, Triple Duty Valve.....	2,646.70	401.80
23 05 23 00-0318 EA 5" Flanged, Straight Pattern Triple Duty Valve.....	3,033.35	404.73
23 05 23 00-0319 EA 6" Flanged, Straight Pattern, Triple Duty Valve.....	4,015.52	449.69
23 05 23 00-0320 EA 8" Flanged, Straight Pattern, Triple Duty Valve.....	5,399.15	574.61
23 05 23 00-0321 EA 10" Flanged, Straight Pattern, Triple Duty Valve.....	8,612.19	699.52
23 05 23 00-0322 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0309)		
Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0323 EA 2" Flanged, Angle Pattern, Triple Duty Valve.....	1,039.20	204.13
23 05 23 00-0324 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	1,160.93	204.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0325 EA 3" Flanged, Angle Pattern, Triple Duty Valve.....	1,283.42	239.67
23 05 23 00-0326 EA 4" Flanged, Angle Pattern, Triple Duty Valve.....	2,586.39	401.80
23 05 23 00-0327 EA 5" Flanged, Angle Pattern, Triple Duty Valve.....	2,959.13	404.73
23 05 23 00-0328 EA 6" Flanged, Angle Pattern, Triple Duty Valve.....	3,319.67	449.69
23 05 23 00-0329 EA 8" Flanged, Angle Pattern, Triple Duty Valve.....	5,069.78	574.61
23 05 23 00-0330 EA 10" Flanged, Angle Pattern, Triple Duty Valve.....	6,761.24	699.52
23 05 23 00-0331 Balanced, Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0309)</small>		
<i>Note: Bell & Gossett 3DS-B Series.</i>		
23 05 23 00-0332 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,204.56	239.67
23 05 23 00-0333 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,377.64	401.80
23 05 23 00-0334 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,722.54	404.73
23 05 23 00-0335 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,593.37	449.69
23 05 23 00-0336 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	4,823.92	574.61
23 05 23 00-0337 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,651.92	699.52
23 05 23 00-0338 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,470.00	849.42
23 05 23 00-0339 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,933.81	999.31
23 05 23 00-0340 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	17,421.16	1,099.25
23 05 23 00-0341 Grooved Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0309)</small>		
<i>Note: Bell & Gossett 3DS-G Series.</i>		
23 05 23 00-0342 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	1,076.46	37.83
23 05 23 00-0343 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,283.51	45.11
23 05 23 00-0344 EA 3" Grooved, Straight Pattern, Triple Duty Valve.....	1,492.83	48.92
23 05 23 00-0345 EA 4" Grooved, Straight Pattern, Triple Duty Valve.....	2,468.71	52.72
23 05 23 00-0346 EA 5" Grooved, Straight Pattern, Triple Duty Valve.....	2,855.12	63.71
23 05 23 00-0347 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	3,805.74	81.69
23 05 23 00-0348 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	5,174.24	103.68
23 05 23 00-0349 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	8,153.89	116.17
23 05 23 00-0350 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	12,935.66	141.65
23 05 23 00-0351 Plug Valves <small>(23 05 23)</small>		
23 05 23 00-0352 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated <small>(23 05 23 00-0351)</small>		
<i>Note: Includes wrench.</i>		
23 05 23 00-0353 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	307.44	15.31
23 05 23 00-0354 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	324.61	16.85
23 05 23 00-0355 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	409.73	19.14
23 05 23 00-0356 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	491.78	20.37
23 05 23 00-0357 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	541.71	23.58
23 05 23 00-0358 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	639.48	27.87
23 05 23 00-0359 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	954.18	37.64
23 05 23 00-0360 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,164.78	43.70
23 05 23 00-0361 Plug Valves, Lubricated, Semisteel Flanged <small>(23 05 23 00-0351)</small>		
<i>Note: Wrench operated for 4", gear operated for 6" and 10".</i>		
23 05 23 00-0362 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	544.51	204.13
23 05 23 00-0363 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	637.39	204.42
23 05 23 00-0364 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	778.78	239.67
23 05 23 00-0365 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,151.90	401.80
23 05 23 00-0366 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	2,293.86	449.69
23 05 23 00-0367 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,830.11	574.61
23 05 23 00-0368 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	6,067.58	699.52
23 05 23 00-0369 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	8,942.42	849.42
23 05 23 00-0370 Plug Valves, Forged Steel, Screwed <small>(23 05 23 00-0351)</small>		
23 05 23 00-0371 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,153.12	15.31
23 05 23 00-0372 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,364.21	16.85
23 05 23 00-0373 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,543.44	19.14
23 05 23 00-0374 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,853.03	20.37
23 05 23 00-0375 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,157.63	23.58
23 05 23 00-0376 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,835.05	27.87
23 05 23 00-0377 Plug Valves, Eccentric, Cast Iron Flanged <small>(23 05 23 00-0351)</small>		
23 05 23 00-0378 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,286.38	401.80
23 05 23 00-0379 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,906.57	449.69
23 05 23 00-0380 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,585.01	574.61
23 05 23 00-0381 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,644.00	699.52
23 05 23 00-0382 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	4,694.47	849.42
23 05 23 00-0383 Foot Valves <small>(23 05 23)</small>		
23 05 23 00-0384 Single Poppet Foot Valves, Metal To Metal Seat Construction <small>(23 05 23 00-0383)</small>		
23 05 23 00-0385 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	114.77	38.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0386 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	130.08	42.89
23 05 23 00-0387 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	163.80	49.02
23 05 23 00-0388 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	211.87	55.14
23 05 23 00-0389 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	467.77	90.38
23 05 23 00-0390 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	595.52	110.28
23 05 23 00-0391 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0383)		
23 05 23 00-0392 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	114.77	38.29
23 05 23 00-0393 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	228.19	42.89
23 05 23 00-0394 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	220.40	49.02
23 05 23 00-0395 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	294.84	55.14
23 05 23 00-0396 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	570.65	90.38
23 05 23 00-0397 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	770.08	108.76
23 05 23 00-0398 Float Valves (23 05 23)		
23 05 23 00-0399 Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0398)		
23 05 23 00-0400 Single Seat, Bronze Construction (23 05 23 00-0399)		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0401 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	241.68	32.16
23 05 23 00-0402 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	277.67	38.28
23 05 23 00-0403 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	356.26	41.34
23 05 23 00-0404 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	587.20	52.06
23 05 23 00-0405 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	602.52	59.72
23 05 23 00-0406 Double Seat, Bronze Construction (23 05 23 00-0399)		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0407 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,234.72	32.16
23 05 23 00-0408 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,246.98	38.28
23 05 23 00-0409 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,437.78	41.34
23 05 23 00-0410 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,592.21	52.06
23 05 23 00-0411 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,820.33	59.72
23 05 23 00-0412 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,384.42	70.44
23 05 23 00-0413 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,778.37	94.45
23 05 23 00-0414 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,339.98	108.55
23 05 23 00-0415 Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0398)		
Note: Includes arm, ball and bracket.		
23 05 23 00-0416 Brass Body Threaded Ends (23 05 23 00-0415)		
23 05 23 00-0417 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	266.76	41.50
23 05 23 00-0418 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	301.08	46.09
23 05 23 00-0419 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	368.80	50.99
23 05 23 00-0420 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	590.07	82.39
23 05 23 00-0421 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	623.13	93.87
23 05 23 00-0422 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	708.70	116.38
23 05 23 00-0423 Cast Iron Body Flanged (23 05 23 00-0415)		
23 05 23 00-0424 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,735.79	204.42
23 05 23 00-0425 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	9,351.54	239.67
23 05 23 00-0426 Float Operated Valves (23 05 23 00-0398)		
23 05 23 00-0427 For Condensate Receivers Tanks And Vessels (23 05 23 00-0426)		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0428 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	889.05	71.97
23 05 23 00-0429 For Condensate Receivers Tanks And Vessels (23 05 23 00-0426)		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0430 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,138.37	133.93
23 05 23 00-0431 Needle Valves (23 05 23)		
23 05 23 00-0432 Bronze Needle Valve (23 05 23 00-0431)		
Note: For heating and cooling applications.		
23 05 23 00-0433 EA 1/4" Needle Valve, Bronze.....	128.43	15.31
23 05 23 00-0434 EA 3/8" Needle Valve, Bronze.....	142.59	15.31
23 05 23 00-0435 EA 1/2" Needle Valve, Bronze.....	155.54	15.31
23 05 23 00-0436 EA 3/4" Needle Valve, Bronze.....	234.21	16.85
23 05 23 00-0437 EA 1" Needle Valve, Bronze.....	354.05	19.14
23 05 23 00-0438 Eccentric Valves With Taps (23 05 23)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0439 Screwed Eccentric Valves With Taps <small>(23 05 23 00-0438)</small>		
23 05 23 00-0440 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	512.17	15.31
23 05 23 00-0441 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	536.46	16.85
23 05 23 00-0442 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	678.65	19.14
23 05 23 00-0443 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	821.17	20.37
23 05 23 00-0444 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	893.83	23.58
23 05 23 00-0445 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	1,050.52	27.87
23 05 23 00-0446 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	1,597.65	37.64
23 05 23 00-0447 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	1,946.95	43.70
23 05 23 00-0448 Flanged Eccentric Valves With Taps <small>(23 05 23 00-0438)</small>		
23 05 23 00-0449 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	1,929.44	204.42
23 05 23 00-0450 EA 3" Diameter Eccentric Valves With Taps, Flanged.....	2,293.45	239.67
23 05 23 00-0451 EA 4" Diameter Eccentric Valves With Taps, Flanged.....	3,030.96	401.80
23 05 23 00-0452 EA 5" Diameter Eccentric Valves With Taps, Flanged.....	4,064.92	404.73
23 05 23 00-0453 EA 6" Diameter Eccentric Valves With Taps, Flanged.....	5,191.87	449.69
23 05 23 00-0454 EA 8" Diameter Eccentric Valves With Taps, Flanged.....	9,079.33	574.61
23 05 23 00-0455 EA 10" Diameter Eccentric Valves With Taps, Flanged.....	12,799.73	699.52
23 05 23 00-0456 EA 12" Diameter Eccentric Valves With Taps, Flanged.....	22,240.69	849.42
23 05 23 00-0457 Check Valves <small>(23 05 23)</small>		
23 05 23 00-0458 Iron Body Wafer Type Check Valve <small>(23 05 23 00-0457)</small>		
23 05 23 00-0459 Single Disk Type <small>(23 05 23 00-0458)</small>		
23 05 23 00-0460 EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	538.80	204.19
For 150 LB Rating, Add.....	59.54	
For 200 LB Rating, Add.....	70.88	
For 300 LB Rating, Add.....	85.05	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	178.64	
23 05 23 00-0461 EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	627.88	204.51
For 150 LB Rating, Add.....	78.00	
For 200 LB Rating, Add.....	92.86	
For 300 LB Rating, Add.....	111.43	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	218.44	
23 05 23 00-0462 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	769.59	239.77
For 150 LB Rating, Add.....	98.60	
For 200 LB Rating, Add.....	117.38	
For 300 LB Rating, Add.....	140.85	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	271.29	
23 05 23 00-0463 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,139.61	401.96
For 150 LB Rating, Add.....	133.54	
For 200 LB Rating, Add.....	158.98	
For 300 LB Rating, Add.....	190.77	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	386.90	
23 05 23 00-0464 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,701.24	564.16
For 150 LB Rating, Add.....	209.17	
For 200 LB Rating, Add.....	249.01	
For 300 LB Rating, Add.....	298.81	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	589.26	
23 05 23 00-0465 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	2,336.57	648.78
For 150 LB Rating, Add.....	320.99	
For 200 LB Rating, Add.....	382.14	
For 300 LB Rating, Add.....	458.56	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	849.45	
23 05 23 00-0466 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	3,435.88	789.81
For 150 LB Rating, Add.....	512.69	
For 200 LB Rating, Add.....	610.35	
For 300 LB Rating, Add.....	732.41	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	1,297.52	
23 05 23 00-0467 Twin Disc Type <small>(23 05 23 00-0458)</small>		
23 05 23 00-0468 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	712.19	204.19
For 150 LB Rating, Add.....	95.95	
For 200 LB Rating, Add.....	114.22	
For 300 LB Rating, Add.....	137.07	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	256.66	
23 05 23 00-0469 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	804.76	204.51
For 150 LB Rating, Add.....	115.15	
For 200 LB Rating, Add.....	137.08	
For 300 LB Rating, Add.....	164.50	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	298.03	
23 05 23 00-0470 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	939.85	239.77
For 150 LB Rating, Add.....	134.35	
For 200 LB Rating, Add.....	159.94	
For 300 LB Rating, Add.....	191.93	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	347.91	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0471 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,316.16 170.61 203.11 243.74 466.34	401.96
23 05 23 00-0472 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,015.30 275.12 327.53 393.03 730.59	564.16
23 05 23 00-0473 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,806.69 420.16 500.19 600.23 1,061.53	648.78
23 05 23 00-0474 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	4,156.25 665.40 792.15 950.57 1,623.40	775.71
23 05 23 00-0475 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	5,440.46 891.49 1,061.30 1,273.56 2,149.39	959.06
23 05 23 00-0476 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	10,082.97 1,812.82 2,158.12 2,589.74 4,174.71	1,087.89
23 05 23 00-0477 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	13,782.59 2,559.27 3,046.76 3,656.11 5,803.27	1,276.45
23 05 23 00-0478 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	18,319.72 3,474.84 4,136.72 4,964.06 7,800.66	1,421.50
23 05 23 00-0479 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	21,782.46 4,155.48 4,947.00 5,936.40 9,303.49	1,595.57
23 05 23 00-0480 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	28,455.46 5,460.16 6,500.19 7,800.23 12,191.28	1,958.19
23 05 23 00-0481 Lift Check Valves (23 05 23 00-0457)		
23 05 23 00-0482 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0481) Note: Watts #600 series.		
23 05 23 00-0483 EA 3/8" Lift Check Valve, Bronze, Threaded.....	132.39	15.31
23 05 23 00-0484 EA 1/2" Lift Check Valve, Bronze, Threaded.....	140.03	15.31
23 05 23 00-0485 EA 3/4" Lift Check Valve, Bronze, Threaded.....	179.45	16.08
23 05 23 00-0486 EA 1" Lift Check Valve, Bronze, Threaded.....	234.65	16.08
23 05 23 00-0487 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	322.90	20.37
23 05 23 00-0488 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	391.20	23.58
23 05 23 00-0489 EA 2" Lift Check Valve, Bronze, Threaded.....	550.30	27.87
23 05 23 00-0490 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0481) Note: Crane 366E.		
23 05 23 00-0491 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	759.26	15.31
23 05 23 00-0492 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	923.92	16.08
23 05 23 00-0493 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,647.85	16.08
23 05 23 00-0494 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,194.82	20.37
23 05 23 00-0495 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,385.70	23.58
23 05 23 00-0496 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	3,061.62	27.87
23 05 23 00-0497 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0481) Note: Mueller 105MAP.		
23 05 23 00-0498 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,155.08	204.13
23 05 23 00-0499 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,257.38	204.42
23 05 23 00-0500 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,379.32	239.67
23 05 23 00-0501 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,954.00	401.80
23 05 23 00-0502 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,371.02	404.73
23 05 23 00-0503 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,901.61	449.69
23 05 23 00-0504 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	4,992.09	574.61
23 05 23 00-0505 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	6,261.00	699.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0506 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB	10,021.65	849.42
23 05 23 00-0507 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB	13,629.08	1,135.21
23 05 23 00-0508 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB	15,098.90	1,248.73
23 05 23 00-0509 Bronze Body Swing Check Valves (23 05 23 00-0457)		
23 05 23 00-0510 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0509)		
23 05 23 00-0511 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	94.27	15.31
<i>For 300 LB Rating, Add</i>	17.50	
<i>For Work In Restricted Working Space, Add</i>	14.82	
23 05 23 00-0512 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	89.46	15.31
<i>For 300 LB Rating, Add</i>	17.50	
<i>For Work In Restricted Working Space, Add</i>	13.38	
23 05 23 00-0513 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	91.80	15.31
<i>For 300 LB Rating, Add</i>	17.50	
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 05 23 00-0514 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	96.02	15.31
<i>For 300 LB Rating, Add</i>	18.18	
<i>For Work In Restricted Working Space, Add</i>	14.82	
23 05 23 00-0515 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	123.06	16.08
<i>For 300 LB Rating, Add</i>	22.03	
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 05 23 00-0516 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	157.31	16.08
<i>For 300 LB Rating, Add</i>	29.92	
<i>For Work In Restricted Working Space, Add</i>	24.18	
23 05 23 00-0517 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	209.76	20.37
<i>For 300 LB Rating, Add</i>	41.99	
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 05 23 00-0518 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	268.57	23.58
<i>For 300 LB Rating, Add</i>	58.80	
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 05 23 00-0519 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	333.07	27.87
<i>For 300 LB Rating, Add</i>	75.61	
<i>For Work In Restricted Working Space, Add</i>	41.76	
23 05 23 00-0520 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	633.62	37.64
<i>For 300 LB Rating, Add</i>	173.80	
<i>For Work In Restricted Working Space, Add</i>	56.39	
23 05 23 00-0521 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	850.71	43.70
<i>For 300 LB Rating, Add</i>	247.19	
<i>For Work In Restricted Working Space, Add</i>	65.07	
23 05 23 00-0522 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	963.95	49.34
<i>For 300 LB Rating, Add</i>	279.72	
<i>For Work In Restricted Working Space, Add</i>	74.01	
23 05 23 00-0523 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0457)		
23 05 23 00-0524 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	429.86	114.85
<i>For 150 LB Rating, Add</i>	194.07	
<i>For 250 LB Rating, Add</i>	371.01	
<i>For Work In Restricted Working Space, Add</i>	43.34	
23 05 23 00-0525 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	480.86	133.99
<i>For 150 LB Rating, Add</i>	213.81	
<i>For 250 LB Rating, Add</i>	408.75	
<i>For Work In Restricted Working Space, Add</i>	49.93	
23 05 23 00-0526 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	542.50	160.79
<i>For 150 LB Rating, Add</i>	231.89	
<i>For 250 LB Rating, Add</i>	443.33	
<i>For Work In Restricted Working Space, Add</i>	60.44	
23 05 23 00-0527 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	678.76	204.13
<i>For 150 LB Rating, Add</i>	288.01	
<i>For 250 LB Rating, Add</i>	550.60	
<i>For Work In Restricted Working Space, Add</i>	76.57	
23 05 23 00-0528 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	750.63	204.42
<i>For 150 LB Rating, Add</i>	336.12	
<i>For 250 LB Rating, Add</i>	642.59	
<i>For Work In Restricted Working Space, Add</i>	76.90	
23 05 23 00-0529 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	837.11	239.67
<i>For 150 LB Rating, Add</i>	365.26	
<i>For 250 LB Rating, Add</i>	698.30	
<i>For Work In Restricted Working Space, Add</i>	89.99	
23 05 23 00-0530 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,333.64	401.80
<i>For 150 LB Rating, Add</i>	564.50	
<i>For 250 LB Rating, Add</i>	1,079.18	
<i>For Work In Restricted Working Space, Add</i>	151.05	
23 05 23 00-0531 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,723.92	404.73
<i>For 150 LB Rating, Add</i>	828.78	
<i>For 250 LB Rating, Add</i>	1,584.44	
<i>For Work In Restricted Working Space, Add</i>	151.54	
23 05 23 00-0532 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,977.28	449.69
<i>For 150 LB Rating, Add</i>	960.94	
<i>For 250 LB Rating, Add</i>	1,837.10	
<i>For Work In Restricted Working Space, Add</i>	169.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0533 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	4,241.92	574.61
For 150 LB Rating, Add	2,399.12	
For 250 LB Rating, Add	4,586.56	
For Work In Restricted Working Space, Add	214.14	
23 05 23 00-0534 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	5,676.92	699.52
For 150 LB Rating, Add	3,265.71	
For 250 LB Rating, Add	6,243.28	
For Work In Restricted Working Space, Add	262.32	
23 05 23 00-0535 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	8,549.18	849.42
For 150 LB Rating, Add	5,092.72	
For 250 LB Rating, Add	9,736.09	
For Work In Restricted Working Space, Add	317.96	
23 05 23 00-0536 EA 14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	9,897.92	1,135.21
For 150 LB Rating, Add	5,765.66	
For 250 LB Rating, Add	11,022.58	
For Work In Restricted Working Space, Add	425.70	
23 05 23 00-0537 EA 16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	13,910.38	1,248.73
For 150 LB Rating, Add	8,397.64	
For 250 LB Rating, Add	16,054.31	
For Work In Restricted Working Space, Add	468.27	
23 05 23 00-0538 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	21,141.09	1,384.96
For 150 LB Rating, Add	13,198.73	
For 250 LB Rating, Add	25,232.87	
For Work In Restricted Working Space, Add	519.36	
23 05 23 00-0539 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	28,966.46	1,560.91
For 150 LB Rating, Add	18,370.42	
For 250 LB Rating, Add	35,119.92	
For Work In Restricted Working Space, Add	585.34	
23 05 23 00-0540 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	40,214.34	1,915.67
For 150 LB Rating, Add	25,717.44	
For 250 LB Rating, Add	49,165.69	
For Work In Restricted Working Space, Add	718.37	
23 05 23 00-0541 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0457)		
Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0542 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve.....	204.77	15.31
For Work In Restricted Working Space, Add	14.82	
23 05 23 00-0543 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve.....	242.98	16.85
For Work In Restricted Working Space, Add	19.97	
23 05 23 00-0544 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve.....	287.76	19.14
For Work In Restricted Working Space, Add	24.18	
23 05 23 00-0545 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve.....	440.89	20.37
For Work In Restricted Working Space, Add	30.63	
23 05 23 00-0546 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve.....	522.41	23.58
For Work In Restricted Working Space, Add	35.34	
23 05 23 00-0547 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve.....	702.44	27.87
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0548 Plastic Check Valve (23 05 23 00-0457)		
23 05 23 00-0549 Polyvinyl Chloride (PVC) Check Valve (23 05 23 00-0548)		
23 05 23 00-0550 Polyvinyl Chloride (PVC) "Y" Check Valve (23 05 23 00-0549)		
23 05 23 00-0551 EA 1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	107.42	15.31
23 05 23 00-0552 EA 3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	128.87	16.85
23 05 23 00-0553 EA 1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	148.98	19.14
23 05 23 00-0554 EA 1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	209.58	20.37
23 05 23 00-0555 EA 1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	234.24	23.58
23 05 23 00-0556 EA 2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	401.64	25.66
23 05 23 00-0557 EA 2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	475.61	37.64
23 05 23 00-0558 EA 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	523.44	43.70
23 05 23 00-0559 EA 4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	748.33	49.34
23 05 23 00-0560 EA 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged.....	729.92	239.67
23 05 23 00-0561 Polyvinyl Chloride (PVC) True Union Ball Check Valve (23 05 23 00-0549)		
23 05 23 00-0562 Valves (23 05 23 00-0561)		
23 05 23 00-0563 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	84.23	15.31
23 05 23 00-0564 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	106.38	16.85
23 05 23 00-0565 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	130.36	19.14
23 05 23 00-0566 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	168.44	20.37
23 05 23 00-0567 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	197.41	23.58
23 05 23 00-0568 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	283.53	27.87
23 05 23 00-0569 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	455.04	37.64
23 05 23 00-0570 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	752.68	43.70
23 05 23 00-0571 Foot Valve Screen (23 05 23 00-0561)		
Note: For use with PVC true union ball check valves above.		
23 05 23 00-0572 EA 1/2" Foot Valve Screen Option.....	59.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0573 EA 3/4" Foot Valve Screen Option	70.74	
23 05 23 00-0574 EA 1" Foot Valve Screen Option	81.97	
23 05 23 00-0575 EA 1-1/4" Foot Valve Screen Option	123.75	
23 05 23 00-0576 EA 1-1/2" Foot Valve Screen Option	136.92	
23 05 23 00-0577 EA 2" Foot Valve Screen Option	148.15	
23 05 23 00-0578 EA 2-1/2" Foot Valve Screen Option	176.76	
23 05 23 00-0579 EA 3" Foot Valve Screen Option	205.38	
23 05 23 00-0580 EA 4" Foot Valve Screen Option	249.26	
23 05 23 00-0581 Hayward "True Check" With VITON Seals <small>(23 05 23 00-0561)</small>		
23 05 23 00-0582 EA 1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	76.11	15.31
23 05 23 00-0583 EA 3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	78.45	15.31
23 05 23 00-0584 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	85.06	15.31
23 05 23 00-0585 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	106.30	16.85
23 05 23 00-0586 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	131.53	19.14
23 05 23 00-0587 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	168.36	20.37
23 05 23 00-0588 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	202.39	23.58
23 05 23 00-0589 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	252.01	27.87
23 05 23 00-0590 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	450.06	37.64
23 05 23 00-0591 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	495.57	43.70
23 05 23 00-0592 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	761.77	49.34
23 05 23 00-0593 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals <small>(23 05 23 00-0561)</small>		
23 05 23 00-0594 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	80.92	15.31
23 05 23 00-0595 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	102.23	16.85
23 05 23 00-0596 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	125.89	19.14
23 05 23 00-0597 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	162.22	20.37
23 05 23 00-0598 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	191.11	23.58
23 05 23 00-0599 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	242.06	27.87
23 05 23 00-0600 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	435.13	37.64
23 05 23 00-0601 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	483.13	43.70
23 05 23 00-0602 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	742.69	49.34
23 05 23 00-0603 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged <small>(23 05 23 00-0549)</small>		
23 05 23 00-0604 EA 1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	373.68	91.88
23 05 23 00-0605 EA 1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	408.54	107.20
23 05 23 00-0606 EA 1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	452.47	133.99
23 05 23 00-0607 EA 2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	553.78	168.44
23 05 23 00-0608 EA 2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	657.83	169.25
23 05 23 00-0609 EA 3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	889.64	197.46
23 05 23 00-0610 EA 4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,244.47	334.97
23 05 23 00-0611 EA 6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	2,050.06	564.16
23 05 23 00-0612 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections <small>(23 05 23 00-0548)</small>		
23 05 23 00-0613 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	102.26	15.31
<i>For Work In Restricted Working Space, Add</i>	14.82	
23 05 23 00-0614 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	119.43	16.85
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 05 23 00-0615 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	135.54	19.14
<i>For Work In Restricted Working Space, Add</i>	24.18	
23 05 23 00-0616 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	159.30	20.37
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 05 23 00-0617 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	178.31	23.58
<i>For Work In Restricted Working Space, Add</i>	35.34	
23 05 23 00-0618 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	233.31	27.87
<i>For Work In Restricted Working Space, Add</i>	41.76	
23 05 23 00-0619 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	321.94	37.64
<i>For Work In Restricted Working Space, Add</i>	56.39	
23 05 23 00-0620 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	390.73	43.70
<i>For Work In Restricted Working Space, Add</i>	65.07	
23 05 23 00-0621 Polyvinyl Chloride (PVC) Body, Swing Check Valves <small>(23 05 23 00-0548)</small>		
23 05 23 00-0622 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals <small>(23 05 23 00-0621)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0623 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	714.57 75.53	197.37
23 05 23 00-0624 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	932.20 124.40	334.83
23 05 23 00-0625 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	1,425.04 154.31	374.74
23 05 23 00-0626 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	1,884.77 174.88	474.68
23 05 23 00-0627 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0627)		
23 05 23 00-0628 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	834.00 75.53	197.37
23 05 23 00-0629 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	1,195.94 124.40	334.83
23 05 23 00-0630 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	1,674.86 154.31	374.74
23 05 23 00-0631 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	2,183.35 174.88	474.68
23 05 23 00-0632 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights (23 05 23 00-0621)		
23 05 23 00-0633 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights <i>For Work In Restricted Working Space, Add</i>	865.52 75.53	197.37
23 05 23 00-0634 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights <i>For Work In Restricted Working Space, Add</i>	1,198.43 124.40	334.83
23 05 23 00-0635 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights <i>For Work In Restricted Working Space, Add</i>	1,564.38 154.31	374.74
23 05 23 00-0636 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights <i>For Work In Restricted Working Space, Add</i>	1,999.56 174.88	474.68
23 05 23 00-0637 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights (23 05 23 00-0621)		
23 05 23 00-0638 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	965.04 75.53	197.37
23 05 23 00-0639 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,343.58 124.40	334.83
23 05 23 00-0640 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,771.73 154.31	374.74
23 05 23 00-0641 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	2,248.38 174.88	474.68
23 05 23 00-0642 Diaphragm Valves (23 05 23)		
23 05 23 00-0643 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0642)		
23 05 23 00-0644 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	307.24	45.81
23 05 23 00-0645 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	390.96	50.75
23 05 23 00-0646 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	426.72	62.74
23 05 23 00-0647 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	675.43	93.75
23 05 23 00-0648 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,073.53	112.79
23 05 23 00-0649 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0642)		
23 05 23 00-0650 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	307.80	73.50
23 05 23 00-0651 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	355.70	76.57
23 05 23 00-0652 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	426.58	114.85
23 05 23 00-0653 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	640.29	160.79
23 05 23 00-0654 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	998.54	204.13
23 05 23 00-0655 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,253.79	204.42
23 05 23 00-0656 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,551.52	239.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0657 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,221.59	401.80
23 05 23 00-0658 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	4,413.27	449.69
23 05 23 00-0659 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	6,817.60	574.61
23 05 23 00-0660 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0642)</small>		
23 05 23 00-0661 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	194.97	45.81
23 05 23 00-0662 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	252.08	50.75
23 05 23 00-0663 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	287.84	62.74
23 05 23 00-0664 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	486.31	93.75
23 05 23 00-0665 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	633.26	112.79
23 05 23 00-0666 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0642)</small>		
23 05 23 00-0667 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	215.02	73.50
23 05 23 00-0668 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	250.50	76.57
23 05 23 00-0669 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	321.35	114.85
23 05 23 00-0670 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	497.02	160.79
23 05 23 00-0671 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	664.94	204.13
23 05 23 00-0672 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	790.51	204.42
23 05 23 00-0673 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	958.21	239.67
23 05 23 00-0674 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,522.21	401.80
23 05 23 00-0675 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,846.42	449.69
23 05 23 00-0676 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	4,332.44	574.61
23 05 23 00-0677 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0642)</small>		
23 05 23 00-0678 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	394.88	114.85
23 05 23 00-0679 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	628.65	160.79
23 05 23 00-0680 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	840.73	204.13
23 05 23 00-0681 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,169.57	204.42
23 05 23 00-0682 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,297.89	239.67
23 05 23 00-0683 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,046.44	401.80
23 05 23 00-0684 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	3,915.13	449.69
23 05 23 00-0685 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	8,012.31	574.61
23 05 23 00-0686 Solenoid Valves <small>(23 05 23)</small>		
23 05 23 00-0687 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure <small>(23 05 23 00-0686)</small>		
23 05 23 00-0688 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	142.43	15.31
23 05 23 00-0689 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	164.76	15.31
23 05 23 00-0690 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	211.64	16.85
23 05 23 00-0691 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	307.82	19.14
23 05 23 00-0692 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	537.27	23.58
23 05 23 00-0693 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	830.81	27.87
23 05 23 00-0694 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	1,131.20	37.64
23 05 23 00-0695 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	1,628.09	43.70
23 05 23 00-0696 Flow Control Valves And Meters <small>(23 05 23)</small>		
23 05 23 00-0697 Conditioned Water Balancing Valves <small>(23 05 23 00-0696)</small>		
<small>Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.</small>		
23 05 23 00-0698 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	191.86	78.12
23 05 23 00-0699 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	233.08	104.16
23 05 23 00-0700 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,392.18	119.02
23 05 23 00-0701 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,503.74	147.05
23 05 23 00-0702 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,609.79	156.24
23 05 23 00-0703 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,724.92	178.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0704 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,063.01	310.85
23 05 23 00-0705 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,967.46	355.28
23 05 23 00-0706 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,928.71	239.77
23 05 23 00-0707 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,719.57	401.96
23 05 23 00-0708 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,169.56	507.74
23 05 23 00-0709 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	5,599.44	648.78
23 05 23 00-0710 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,917.35	789.81
23 05 23 00-0711 Read Out Meters (23 05 23 00-0696)		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0712 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,285.23	
23 05 23 00-0713 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,739.29	
23 05 23 00-0714 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,739.29	
23 05 23 00-0715 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,739.29	
23 05 23 00-0716 Balancing Valves (23 05 23)		
23 05 23 00-0717 Balancing Valves With Lever (23 05 23 00-0716)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0718 EA 1/2" Threaded Balancing Valve With Lever	282.47	48.25
23 05 23 00-0719 EA 3/4" Threaded Balancing Valve With Lever	319.18	63.57
23 05 23 00-0720 EA 1" Threaded Balancing Valve With Lever	595.84	72.76
23 05 23 00-0721 EA 1-1/4" Threaded Balancing Valve With Lever	647.77	90.38
23 05 23 00-0722 EA 1-1/2" Threaded Balancing Valve With Lever	680.89	95.73
23 05 23 00-0723 EA 2" Threaded Balancing Valve With Lever	831.64	109.52
23 05 23 00-0724 EA 2-1/2" Flanged Balancing Valve With Lever	1,105.66	204.51
23 05 23 00-0725 EA 3" Flanged Balancing Valve With Lever	1,121.31	239.77
23 05 23 00-0726 EA 4" Flanged Balancing Valve With Lever	1,436.92	401.96
23 05 23 00-0727 EA 5" Flanged Balancing Valve With Lever	4,028.39	456.96
23 05 23 00-0728 EA 6" Flanged Balancing Valve With Lever	2,083.43	507.74
23 05 23 00-0729 EA 8" Flanged Balancing Valve With Lever	2,745.98	648.78
23 05 23 00-0730 Balancing Valves With Nut (23 05 23 00-0716)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0731 EA 4" Flanged Balancing Valve With Nut	1,436.92	401.96
23 05 23 00-0732 EA 5" Flanged Balancing Valve With Nut	4,028.39	456.96
23 05 23 00-0733 EA 6" Flanged Balancing Valve With Nut	2,083.43	507.74
23 05 23 00-0734 EA 8" Flanged Balancing Valve With Nut	2,745.98	648.78
23 05 23 00-0735 Balancing Valves With Hand Wheel (23 05 23 00-0716)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0736 EA 4" Flanged Balancing Valve With Hand Wheel	1,908.71	401.96
23 05 23 00-0737 EA 5" Flanged Balancing Valve With Hand Wheel	4,527.14	456.96
23 05 23 00-0738 EA 6" Flanged Balancing Valve With Hand Wheel	2,583.21	507.74
23 05 23 00-0739 EA 8" Flanged Balancing Valve With Hand Wheel	3,632.53	648.78
23 05 23 00-0740 EA 10" Flanged Balancing Valve With Hand Wheel	5,521.63	789.81
23 05 23 00-0741 EA 12" Flanged Balancing Valve With Hand Wheel	7,179.47	615.45
23 05 23 00-0742 EA 14" Flanged Balancing Valve With Hand Wheel	9,349.61	1,160.41
23 05 23 00-0743 Balancing Valves With Chain Wheel (23 05 23 00-0716)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0744 EA 4" Flanged Balancing Valve With Chain Wheel	2,179.34	401.96
23 05 23 00-0745 EA 5" Flanged Balancing Valve With Chain Wheel	4,793.62	456.96
23 05 23 00-0746 EA 6" Flanged Balancing Valve With Chain Wheel	2,848.66	507.74
23 05 23 00-0747 EA 8" Flanged Balancing Valve With Chain Wheel	3,959.15	648.78
23 05 23 00-0748 EA 10" Flanged Balancing Valve With Chain Wheel	5,838.93	789.81
23 05 23 00-0749 EA 12" Flanged Balancing Valve With Chain Wheel	7,771.92	615.02
23 05 23 00-0750 EA 14" Flanged Balancing Valve With Chain Wheel	9,885.69	1,160.41
23 05 23 00-0751 Calibrated Balancing Valves (23 05 23 00-0716)		
Note: Bell & Gossett CB Series.		
23 05 23 00-0752 EA 1/2" Brazerd Or Soldered Calibrated Balancing Valve (CB-1/2S)	145.36	15.31
23 05 23 00-0753 EA 3/4" Brazerd Or Soldered Calibrated Balancing Valve (CB-3/4S)	172.16	16.85
23 05 23 00-0754 EA 1" Brazerd Or Soldered Calibrated Balancing Valve (CB-1S)	210.15	19.14
23 05 23 00-0755 EA 1-1/4" Brazerd Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	282.03	20.37
23 05 23 00-0756 EA 1" Threaded Calibrated Balancing Valve (CB-1)	223.35	19.14
23 05 23 00-0757 EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	304.81	20.37
23 05 23 00-0758 EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	354.11	23.59
23 05 23 00-0759 EA 2" Threaded Calibrated Balancing Valve (CB-2)	475.08	27.88
23 05 23 00-0760 EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	875.84	40.89
23 05 23 00-0761 EA 3" Threaded Calibrated Balancing Valve (CB-3)	1,225.08	47.48
23 05 23 00-0762 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	1,166.05	222.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0763 EA 3" Flanged Calibrated Balancing Valve (CB-3F).....	1,675.21	260.40
23 05 23 00-0764 EA 4" Flanged Calibrated Balancing Valve (CB-4F).....	2,627.98	436.55
23 05 23 00-0765 EA 5" Flanged Calibrated Balancing Valve (CB-5F).....	3,755.79	496.30
23 05 23 00-0766 EA 6" Flanged Calibrated Balancing Valve (CB-6F).....	4,919.57	551.44
23 05 23 00-0767 EA 8" Flanged Calibrated Balancing Valve (CB-8F).....	8,821.17	704.62
23 05 23 00-0768 EA 10" Flanged Calibrated Balancing Valve (CB-10F).....	12,226.45	812.29
23 05 23 00-0769 EA 12" Flanged Calibrated Balancing Valve (CB-12F).....	25,540.04	986.35
23 05 23 00-0770 EA 4" Grooved Calibrated Balancing Valve (CB-4G).....	3,018.12	52.72
23 05 23 00-0771 EA 5" Grooved Calibrated Balancing Valve (CB-5G).....	3,477.18	63.71
23 05 23 00-0772 EA 6" Grooved Calibrated Balancing Valve (CB-6G).....	4,620.07	81.69
23 05 23 00-0773 EA 8" Grooved Calibrated Balancing Valve (CB-8G).....	8,634.48	103.68
23 05 23 00-0774 EA 10" Grooved Calibrated Balancing Valve (CB-10G).....	11,600.94	116.17
23 05 23 00-0775 EA 12" Grooved Calibrated Balancing Valve (CB-12G).....	23,859.76	141.65
23 05 23 00-0776 Butterfly Valves (23 05 23)		
23 05 23 00-0777 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-0776)		
<i>Note: With on-off handle</i>		
23 05 23 00-0778 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	419.93	204.13
<i>For 200 PSI, Add</i>		79.06
<i>For 175 PSI, Add</i>		28.82
<i>For Work In Restricted Working Space, Add</i>		76.57
23 05 23 00-0779 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	430.62	204.42
<i>For 200 PSI, Add</i>		83.66
<i>For 175 PSI, Add</i>		30.50
<i>For Work In Restricted Working Space, Add</i>		76.90
23 05 23 00-0780 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	487.66	239.67
<i>For 200 PSI, Add</i>		90.10
<i>For 175 PSI, Add</i>		32.85
<i>For Work In Restricted Working Space, Add</i>		89.99
23 05 23 00-0781 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	739.08	401.80
<i>For 200 PSI, Add</i>		113.08
<i>For 175 PSI, Add</i>		41.23
<i>For Work In Restricted Working Space, Add</i>		151.05
23 05 23 00-0782 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	899.30	449.69
<i>For 200 PSI, Add</i>		160.88
<i>For 175 PSI, Add</i>		58.65
<i>For Work In Restricted Working Space, Add</i>		169.24
23 05 23 00-0783 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,034.45	499.66
<i>For 200 PSI, Add</i>		196.74
<i>For 175 PSI, Add</i>		71.73
<i>For Work In Restricted Working Space, Add</i>		187.37
23 05 23 00-0784 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,330.52	574.61
<i>For 200 PSI, Add</i>		296.03
<i>For 175 PSI, Add</i>		107.93
<i>For Work In Restricted Working Space, Add</i>		214.14
23 05 23 00-0785 EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	2,069.53	699.52
<i>For 200 PSI, Add</i>		573.66
<i>For 175 PSI, Add</i>		209.15
<i>For Work In Restricted Working Space, Add</i>		262.32
23 05 23 00-0786 EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	2,582.52	849.42
<i>For 200 PSI, Add</i>		730.87
<i>For 175 PSI, Add</i>		266.46
<i>For Work In Restricted Working Space, Add</i>		317.96
23 05 23 00-0787 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves (23 05 23 00-0776)		
23 05 23 00-0788 EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	707.22	204.13
<i>For Work In Restricted Working Space, Add</i>		76.57
23 05 23 00-0789 EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	712.16	204.42
<i>For Work In Restricted Working Space, Add</i>		76.90
23 05 23 00-0790 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	778.78	239.67
<i>For Work In Restricted Working Space, Add</i>		89.99
23 05 23 00-0791 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,043.61	401.80
<i>For Work In Restricted Working Space, Add</i>		151.05
23 05 23 00-0792 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,236.39	449.69
<i>For Work In Restricted Working Space, Add</i>		169.24
23 05 23 00-0793 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,369.51	499.66
<i>For Work In Restricted Working Space, Add</i>		187.37
23 05 23 00-0794 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,679.10	574.61
<i>For Work In Restricted Working Space, Add</i>		214.14
23 05 23 00-0795 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	2,121.24	699.52
<i>For Work In Restricted Working Space, Add</i>		262.32
23 05 23 00-0796 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	2,871.73	849.42
<i>For Work In Restricted Working Space, Add</i>		317.96
23 05 23 00-0797 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves (23 05 23 00-0776)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0798 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,653.37	1,064.26
For 200 PSI, Add	1,164.37	
For 175 PSI, Add	404.30	
For Work In Restricted Working Space, Add	425.70	
23 05 23 00-0799 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	5,906.23	1,248.73
For 200 PSI, Add	1,564.32	
For 175 PSI, Add	543.17	
For Work In Restricted Working Space, Add	468.27	
23 05 23 00-0800 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	8,190.40	1,390.63
For 200 PSI, Add	2,324.18	
For 175 PSI, Add	807.01	
For Work In Restricted Working Space, Add	520.30	
23 05 23 00-0801 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	10,490.06	1,560.91
For 200 PSI, Add	3,074.01	
For 175 PSI, Add	1,067.37	
For Work In Restricted Working Space, Add	585.34	
23 05 23 00-0802 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	14,060.63	1,915.67
For 200 PSI, Add	4,197.32	
For 175 PSI, Add	1,457.40	
For Work In Restricted Working Space, Add	720.42	
23 05 23 00-0803 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	28,924.09	3,061.64
For 200 PSI, Add	9,009.89	
For 175 PSI, Add	3,128.43	
For Work In Restricted Working Space, Add	1,168.99	
23 05 23 00-0804 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	36,669.84	4,174.96
For 200 PSI, Add	11,447.66	
For 175 PSI, Add	3,974.88	
For Work In Restricted Working Space, Add	1,461.23	
23 05 23 00-0805 EA 42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	44,607.03	6,123.27
For 200 PSI, Add	13,360.87	
For 175 PSI, Add	4,639.19	
For Work In Restricted Working Space, Add	2,248.05	
23 05 23 00-0806 EA 48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	54,261.68	7,654.09
For 200 PSI, Add	16,027.24	
For 175 PSI, Add	5,565.01	
For Work In Restricted Working Space, Add	2,922.47	
23 05 23 00-0807 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	65,565.17	9,184.91
For 200 PSI, Add	19,219.76	
For 175 PSI, Add	6,673.53	
For Work In Restricted Working Space, Add	3,653.09	
23 05 23 00-0808 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB <small>(23 05 23 00-0776)</small>		
Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0809 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	538.18	19.14
For Work In Restricted Working Space, Add	24.18	
23 05 23 00-0810 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	588.60	20.37
For Work In Restricted Working Space, Add	30.63	
23 05 23 00-0811 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	736.55	23.58
For Work In Restricted Working Space, Add	35.34	
23 05 23 00-0812 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	922.20	27.87
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0813 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	1,237.77	37.64
For Work In Restricted Working Space, Add	56.39	
23 05 23 00-0814 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB <small>(23 05 23 00-0776)</small>		
Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0815 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	804.58	19.14
For Work In Restricted Working Space, Add	24.18	
23 05 23 00-0816 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	872.13	20.37
For Work In Restricted Working Space, Add	30.63	
23 05 23 00-0817 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,042.72	23.58
For Work In Restricted Working Space, Add	35.34	
23 05 23 00-0818 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,248.31	27.87
For Work In Restricted Working Space, Add	41.76	
23 05 23 00-0819 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,598.39	37.64
For Work In Restricted Working Space, Add	56.39	
23 05 29 Hangers and Supports for HVAC Piping and Equipment <small>(23 05 29)</small>		
23 05 29 00-0001 Hangers And Supports <small>(23 05 29)</small>		
23 05 29 00-0002 Clevis Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) <small>(23 05 29 00-0002)</small>		
Note: Type 1.		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	27.28	12.69
For Work In Restricted Working Space, Add	7.61	
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	30.10	14.10
For Work In Restricted Working Space, Add	8.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	31.66 8.90	14.10
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	32.77 9.15	15.25
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	33.02 9.15	15.25
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	34.34 9.40	15.51
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	37.12 9.67	16.07
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	39.31 9.95	16.91
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	41.27 10.62	18.58
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	44.99 11.28	19.74
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	57.46 14.17	23.61
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	69.02 16.92	28.20
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	91.41 21.15	35.25
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	131.28 28.20	47.94
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	152.71 31.72	52.86
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	187.41 36.37	59.21
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	230.80 42.29	70.49
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	287.79 52.87	88.11
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	445.90 63.44	105.74
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	660.81 74.02	123.35
23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	32.34 7.61	12.69
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	35.16 8.46	14.10
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	36.82 8.90	14.10
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	38.05 9.15	15.25
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	38.69 9.15	15.25
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	39.69 9.40	15.51
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	43.65 9.67	16.07
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	45.62 9.95	16.91
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	51.27 11.28	19.74
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	55.54 11.28	19.74
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	87.20 14.17	23.61
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	107.49 16.92	28.20
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	128.91 21.15	35.25
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	27.10 7.61	12.69
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	29.96 8.46	14.10
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	31.62 8.90	14.10
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	32.49 9.15	15.25
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	32.63 9.15	15.25
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	33.55 9.40	15.51
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	36.08 9.67	16.07
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	37.55 9.95	16.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	42.38 11.28	19.74
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	43.38 11.28	19.74
23 05 29 00-0049			Extended Steel Clevis Hanger (Cooper B-Line B3108) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	36.28 8.46	14.10
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	37.83 8.90	14.10
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	38.66 9.15	15.25
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	39.66 9.15	15.25
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	42.17 9.40	15.51
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	44.84 9.67	16.07
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	46.88 9.95	16.91
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	55.68 11.28	19.74
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	70.20 14.17	23.61
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	86.10 16.92	28.20
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	119.43 21.15	35.25
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	166.37 28.20	47.94
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	186.91 31.72	52.86
23 05 29 00-0063			Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	43.35 9.40	15.51
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	45.95 9.67	16.07
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	48.14 9.95	16.91
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	53.53 11.28	19.74
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	56.04 11.28	19.74
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	69.73 14.17	23.61
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	81.72 16.92	28.20
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	107.31 21.15	35.25
23 05 29 00-0072			Adjustable Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0073			Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <small>(23 05 29 00-0072)</small> Note: Type 5.		
23 05 29 00-0074	EA		1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	24.70 6.68	11.14
23 05 29 00-0075	EA		3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	27.15 7.41	12.35
23 05 29 00-0076	EA		1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	29.87 8.24	13.73
23 05 29 00-0077	EA		1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	33.01 9.15	15.25
23 05 29 00-0078	EA		1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	34.69 9.61	16.01
23 05 29 00-0079	EA		2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	36.96 10.07	16.78
23 05 29 00-0080	EA		2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	41.61 10.52	17.54
23 05 29 00-0081	EA		3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	43.46 10.98	18.30
23 05 29 00-0082	EA		4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	51.16 12.35	20.59
23 05 29 00-0083			Adjustable Swivel Steel Ring (Cooper B-Line B3170) <small>(23 05 29 00-0072)</small> Note: Type 10.		
23 05 29 00-0084	EA		1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.32 8.46 7.39 9.52	14.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	30.90	14.10
<i>For Work In Restricted Working Space, Add</i>	8.90	
<i>For 304 Stainless Steel, Add</i>	8.05	
<i>For 316 Stainless Steel, Add</i>	10.37	
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	32.55	15.51
<i>For Work In Restricted Working Space, Add</i>	9.40	
<i>For 304 Stainless Steel, Add</i>	8.05	
<i>For 316 Stainless Steel, Add</i>	10.37	
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	34.53	16.91
<i>For Work In Restricted Working Space, Add</i>	9.95	
<i>For 304 Stainless Steel, Add</i>	8.98	
<i>For 316 Stainless Steel, Add</i>	11.56	
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	38.96	19.74
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For 304 Stainless Steel, Add</i>	8.98	
<i>For 316 Stainless Steel, Add</i>	11.56	
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	41.72	19.74
<i>For Work In Restricted Working Space, Add</i>	12.08	
<i>For 304 Stainless Steel, Add</i>	9.50	
<i>For 316 Stainless Steel, Add</i>	12.24	
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	45.72	21.15
<i>For Work In Restricted Working Space, Add</i>	13.01	
<i>For 304 Stainless Steel, Add</i>	15.44	
<i>For 316 Stainless Steel, Add</i>	19.89	
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	49.43	23.96
<i>For Work In Restricted Working Space, Add</i>	14.10	
<i>For 304 Stainless Steel, Add</i>	16.10	
<i>For 316 Stainless Steel, Add</i>	20.74	
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	54.73	25.73
<i>For Work In Restricted Working Space, Add</i>	15.44	
<i>For 304 Stainless Steel, Add</i>	21.58	
<i>For 316 Stainless Steel, Add</i>	27.80	
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	59.66	28.20
<i>For Work In Restricted Working Space, Add</i>	16.92	
<i>For 304 Stainless Steel, Add</i>	21.58	
<i>For 316 Stainless Steel, Add</i>	27.80	
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	70.22	31.72
<i>For Work In Restricted Working Space, Add</i>	19.03	
<i>For 304 Stainless Steel, Add</i>	44.75	
<i>For 316 Stainless Steel, Add</i>	57.63	
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	77.38	35.25
<i>For Work In Restricted Working Space, Add</i>	21.15	
<i>For 304 Stainless Steel, Add</i>	45.47	
<i>For 316 Stainless Steel, Add</i>	58.57	
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	92.77	42.29
<i>For Work In Restricted Working Space, Add</i>	25.38	
<i>For 304 Stainless Steel, Add</i>	53.99	
<i>For 316 Stainless Steel, Add</i>	69.53	
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)		
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	31.77	14.10
<i>For Work In Restricted Working Space, Add</i>	8.46	
<i>For 304 Stainless Steel, Add</i>	23.56	
<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	33.25	14.10
<i>For Work In Restricted Working Space, Add</i>	8.90	
<i>For 304 Stainless Steel, Add</i>	23.56	
<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	34.90	15.51
<i>For Work In Restricted Working Space, Add</i>	9.40	
<i>For 304 Stainless Steel, Add</i>	23.56	
<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	36.74	16.91
<i>For Work In Restricted Working Space, Add</i>	9.95	
<i>For 304 Stainless Steel, Add</i>	23.56	
<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	41.47	19.74
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For 304 Stainless Steel, Add</i>	25.54	
<i>For 316 Stainless Steel, Add</i>	32.90	
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	44.15	19.74
<i>For Work In Restricted Working Space, Add</i>	12.08	
<i>For 304 Stainless Steel, Add</i>	25.54	
<i>For 316 Stainless Steel, Add</i>	32.90	
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	53.54	21.15
<i>For Work In Restricted Working Space, Add</i>	13.01	
<i>For 304 Stainless Steel, Add</i>	67.06	
<i>For 316 Stainless Steel, Add</i>	86.36	
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	59.58	23.96
<i>For Work In Restricted Working Space, Add</i>	14.10	
<i>For 304 Stainless Steel, Add</i>	83.09	
<i>For 316 Stainless Steel, Add</i>	107.02	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	65.04	25.73
For Work In Restricted Working Space, Add	15.44	
For 304 Stainless Steel, Add	89.63	
For 316 Stainless Steel, Add	115.43	
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	72.92	28.20
For Work In Restricted Working Space, Add	16.92	
For 304 Stainless Steel, Add	109.10	
For 316 Stainless Steel, Add	140.51	
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	80.20	31.72
For Work In Restricted Working Space, Add	19.03	
For 304 Stainless Steel, Add	110.62	
For 316 Stainless Steel, Add	142.46	
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	94.76	35.25
For Work In Restricted Working Space, Add	21.15	
For 304 Stainless Steel, Add	160.18	
For 316 Stainless Steel, Add	206.30	
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114).....	38.39	11.29
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.77	
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	42.40	12.70
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	7.62	
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114).....	47.56	14.81
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	8.89	
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114).....	54.66	16.92
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	10.16	
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114).....	73.14	19.04
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	11.42	
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114).....	67.57	21.16
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	12.69	
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114).....	83.57	25.39
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	15.23	
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114).....	110.11	29.62
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	17.77	
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114).....	130.63	35.26
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	21.16	
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110)		
Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	58.49	19.91
For Work In Restricted Working Space, Add	11.49	
For 304 Stainless Steel, Add	133.32	
For 316 Stainless Steel, Add	171.70	
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	61.26	20.52
For Work In Restricted Working Space, Add	12.32	
For 304 Stainless Steel, Add	133.32	
For 316 Stainless Steel, Add	171.70	
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	66.30	21.45
For Work In Restricted Working Space, Add	13.13	
For 304 Stainless Steel, Add	148.70	
For 316 Stainless Steel, Add	191.51	
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	75.95	22.98
For Work In Restricted Working Space, Add	13.79	
For 304 Stainless Steel, Add	198.00	
For 316 Stainless Steel, Add	255.00	
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	81.06	26.04
For Work In Restricted Working Space, Add	15.32	
For 304 Stainless Steel, Add	198.00	
For 316 Stainless Steel, Add	255.00	
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	91.09	28.03
For Work In Restricted Working Space, Add	16.82	
For 304 Stainless Steel, Add	231.13	
For 316 Stainless Steel, Add	297.67	
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	104.77	30.64
For Work In Restricted Working Space, Add	18.38	
For 304 Stainless Steel, Add	287.03	
For 316 Stainless Steel, Add	369.67	
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	141.68	38.29
For Work In Restricted Working Space, Add	22.98	
For 304 Stainless Steel, Add	429.59	
For 316 Stainless Steel, Add	553.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	179.67 30.64	52.08
	511.83	
	659.18	
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	228.88 34.46	57.45
	752.40	
	969.00	
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	447.64 39.52	65.87
	2,085.01	
	2,685.24	
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	558.70 45.95	76.59
	2,676.43	
	3,446.92	
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	57.16 11.49	19.91
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	61.55 12.32	20.52
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	64.73 13.13	21.45
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	72.65 13.79	22.98
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	80.91 15.32	26.04
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	88.51 16.82	28.03
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	106.46 18.38	30.64
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	137.66 22.98	38.29
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	178.73 30.64	52.08
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	226.44 34.46	57.45
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	248.75 39.52	65.87
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	298.43 45.95	76.59
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	398.30 57.44	95.73
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	490.96 68.93	114.88
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	63.37 11.49	19.91
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	70.74 12.32	20.52
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	74.52 13.13	21.45
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	78.64 13.79	22.98
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	93.47 15.32	26.04
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	105.52 16.82	28.03
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	121.82 18.38	30.64
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	169.28 22.98	38.29
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	212.82 30.64	52.08
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	245.32 34.46	57.45
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	339.10 39.52	65.87
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	405.29 45.95	76.59
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	464.79 57.44	95.73
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)		
23 05 29 00-0164 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	63.73 11.49	19.91
23 05 29 00-0165 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	71.06 12.32	20.52

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0166 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	75.06 13.13	21.45
23 05 29 00-0167 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	78.17 13.79	22.98
23 05 29 00-0168 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	97.10 15.32	26.04
23 05 29 00-0169 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	109.79 16.82	28.03
23 05 29 00-0170 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	126.91 18.38	30.64
23 05 29 00-0171 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	177.17 22.98	38.29
23 05 29 00-0172 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	222.29 30.64	52.08
23 05 29 00-0173 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	256.40 34.46	57.45
23 05 29 00-0174 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	356.83 39.52	65.87
23 05 29 00-0175 Pipe And Riser Clamps (23 05 29 00-0001) Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0175) Note: Type 4.		
23 05 29 00-0177 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	23.00 5.49	9.15
23 05 29 00-0178 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	23.31 5.58	9.30
23 05 29 00-0179 EA 1" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	23.65 5.67	9.45
23 05 29 00-0180 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	25.38 5.76	9.61
23 05 29 00-0181 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	25.69 5.86	9.76
23 05 29 00-0182 EA 2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	27.08 5.95	9.91
23 05 29 00-0183 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	28.12 6.13	10.21
23 05 29 00-0184 EA 3" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	29.63 6.32	10.52
23 05 29 00-0185 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	33.48 6.41	10.68
23 05 29 00-0186 EA 4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	39.58 8.24	13.73
23 05 29 00-0187 EA 5" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	55.98 10.98	18.30
23 05 29 00-0188 EA 6" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	75.46 13.73	22.88
23 05 29 00-0189 EA 8" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	88.69 16.01	26.69
23 05 29 00-0190 EA 10" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	124.66 18.30	30.50
23 05 29 00-0191 EA 12" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	165.56 20.13	33.55
23 05 29 00-0192 EA 14" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	258.01 21.96	36.60
23 05 29 00-0193 EA 16" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	279.65 23.79	39.65
23 05 29 00-0194 EA 18" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	442.30 25.62	42.70
23 05 29 00-0195 EA 20" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	509.47 27.45	45.75
23 05 29 00-0196 EA 24" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	658.86 30.20	50.33
23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)		
23 05 29 00-0198 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	42.15 5.87	9.86
23 05 29 00-0199 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	53.74 5.87	9.86
23 05 29 00-0200 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	58.71 6.13	10.22
23 05 29 00-0201 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	90.75 6.38	10.57
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	98.57 6.76	11.28
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	164.50 6.74	11.28
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	263.29 7.61	12.69
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	332.99 8.46	14.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0206 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	362.93 10.15	16.91
23 05 29 00-0207 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	1,110.97 11.84	19.74
23 05 29 00-0208 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	1,276.20 12.69	21.15
23 05 29 00-0209 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	1,632.25 13.53	22.56
 23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)		
<i>Note: Type 8.</i>		
23 05 29 00-0211 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	22.79 5.07	8.46
23 05 29 00-0212 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	23.63 5.16	8.60
23 05 29 00-0213 EA 1" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	23.98 5.24	8.74
23 05 29 00-0214 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	25.63 5.33	8.88
23 05 29 00-0215 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	26.52 5.42	9.02
23 05 29 00-0216 EA 2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	27.12 5.50	9.16
23 05 29 00-0217 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	28.22 5.67	9.44
23 05 29 00-0218 EA 3" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	29.76 5.84	9.72
23 05 29 00-0219 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	32.27 5.92	9.86
23 05 29 00-0220 EA 4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	39.56 7.61	12.69
23 05 29 00-0221 EA 5" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	51.42 10.15	16.91
23 05 29 00-0222 EA 6" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	65.04 12.69	21.15
23 05 29 00-0223 EA 8" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	86.59 14.80	24.67
23 05 29 00-0224 EA 10" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	111.51 16.92	28.20
23 05 29 00-0225 EA 12" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	133.22 18.61	31.01
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	174.79 20.30	33.84
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	317.82 21.99	36.65
 23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	36.79 5.07	8.46
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	37.37 5.16	8.60
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	38.79 5.24	8.74
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	41.24 5.33	8.88
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	46.04 5.42	9.02
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	48.69 5.50	9.16
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	52.44 5.67	9.44
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	57.28 5.84	9.72
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	77.31 7.61	12.69
 23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)		
<i>Note: Type 42</i>		
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	77.93 5.87	9.86
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	82.86 6.38	10.57
23 05 29 00-0241 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	90.76 6.76	11.28
23 05 29 00-0242 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	96.47 6.74	11.28
23 05 29 00-0243 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	116.23 7.61	12.69
23 05 29 00-0244 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	347.69 8.46	14.10

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	464.76	16.91
<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	553.57	19.74
<i>For Work In Restricted Working Space, Add</i>	11.84	
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	802.41	21.15
<i>For Work In Restricted Working Space, Add</i>	12.69	
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	1,102.48	22.56
<i>For Work In Restricted Working Space, Add</i>	13.53	
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	72.33	9.86
<i>For Work In Restricted Working Space, Add</i>	5.87	
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	78.05	10.57
<i>For Work In Restricted Working Space, Add</i>	6.38	
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	132.55	11.28
<i>For Work In Restricted Working Space, Add</i>	6.76	
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	146.71	11.28
<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	208.86	12.69
<i>For Work In Restricted Working Space, Add</i>	7.61	
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	317.46	14.10
<i>For Work In Restricted Working Space, Add</i>	8.46	
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	424.79	16.91
<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	505.37	19.74
<i>For Work In Restricted Working Space, Add</i>	11.84	
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	734.73	21.15
<i>For Work In Restricted Working Space, Add</i>	12.69	
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	1,002.29	22.56
<i>For Work In Restricted Working Space, Add</i>	13.53	
23 05 29 00-0260 Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)		
Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	37.24	12.96
<i>For Work In Restricted Working Space, Add</i>	7.78	
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171).....	39.43	13.73
<i>For Work In Restricted Working Space, Add</i>	8.24	
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	43.06	15.25
<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 29 00-0265 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	46.17	16.01
<i>For Work In Restricted Working Space, Add</i>	9.61	
23 05 29 00-0266 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171).....	49.59	16.78
<i>For Work In Restricted Working Space, Add</i>	10.07	
23 05 29 00-0267 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	59.52	17.54
<i>For Work In Restricted Working Space, Add</i>	10.52	
23 05 29 00-0268 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171).....	64.80	18.30
<i>For Work In Restricted Working Space, Add</i>	10.98	
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171).....	84.21	20.59
<i>For Work In Restricted Working Space, Add</i>	12.35	
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171).....	106.93	25.93
<i>For Work In Restricted Working Space, Add</i>	15.56	
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171).....	140.73	30.50
<i>For Work In Restricted Working Space, Add</i>	18.30	
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260)		
Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	25.53	10.72
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	26.88	10.72
<i>For Work In Restricted Working Space, Add</i>	6.86	
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	29.68	13.78
<i>For Work In Restricted Working Space, Add</i>	7.66	
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	32.04	13.78
<i>For Work In Restricted Working Space, Add</i>	8.06	
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	35.20	13.78
<i>For Work In Restricted Working Space, Add</i>	8.35	
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	40.64	15.31
<i>For Work In Restricted Working Space, Add</i>	9.19	
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	51.90	15.31
<i>For Work In Restricted Working Space, Add</i>	9.57	
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	57.12	16.85
<i>For Work In Restricted Working Space, Add</i>	9.99	
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	61.08	18.38
<i>For Work In Restricted Working Space, Add</i>	10.94	
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0260)		
Note: Type 12.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	25.53	10.72
For Work In Restricted Working Space, Add	6.56	
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	26.88	11.49
For Work In Restricted Working Space, Add	6.86	
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	29.68	13.02
For Work In Restricted Working Space, Add	7.66	
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	32.04	13.78
For Work In Restricted Working Space, Add	8.06	
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	35.20	13.78
For Work In Restricted Working Space, Add	8.35	
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	40.64	15.31
For Work In Restricted Working Space, Add	9.19	
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	51.90	16.08
For Work In Restricted Working Space, Add	9.57	
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	57.12	16.85
For Work In Restricted Working Space, Add	9.99	
23 05 29 00-0291 Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23		
05 29 00-0291)		
23 05 29 00-0293 EA 1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.48	7.66
For Work In Restricted Working Space, Add	4.59	
23 05 29 00-0294 EA 3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.29	9.19
For Work In Restricted Working Space, Add	4.84	
23 05 29 00-0295 EA 1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	19.19	9.19
For Work In Restricted Working Space, Add	5.11	
23 05 29 00-0296 EA 1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	20.28	9.19
For Work In Restricted Working Space, Add	5.40	
23 05 29 00-0297 EA 1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	21.48	10.72
For Work In Restricted Working Space, Add	5.74	
23 05 29 00-0298 EA 2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	24.27	10.72
For Work In Restricted Working Space, Add	6.13	
23 05 29 00-0299 EA 2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	28.83	10.72
For Work In Restricted Working Space, Add	6.56	
23 05 29 00-0300 EA 3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	35.74	10.72
For Work In Restricted Working Space, Add	7.07	
23 05 29 00-0301 EA 4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	42.23	13.78
For Work In Restricted Working Space, Add	8.27	
23 05 29 00-0302 EA 6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	50.84	15.31
For Work In Restricted Working Space, Add	9.19	
23 05 29 00-0303 EA 8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	62.15	16.85
For Work In Restricted Working Space, Add	10.10	
23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0305 EA 1/2" Two Hole Copper-Clad Pipe Strap	8.30	
For Work In Restricted Working Space, Add	2.30	
23 05 29 00-0306 EA 3/4" Two Hole Copper-Clad Pipe Strap	8.79	
For Work In Restricted Working Space, Add	2.41	
23 05 29 00-0307 EA 1" Two Hole Copper-Clad Pipe Strap	9.73	
For Work In Restricted Working Space, Add	2.53	
23 05 29 00-0308 EA 1-1/4" Two Hole Copper-Clad Pipe Strap	10.71	
For Work In Restricted Working Space, Add	2.64	
23 05 29 00-0309 EA 1-1/2" Two Hole Copper-Clad Pipe Strap	11.45	
For Work In Restricted Working Space, Add	2.76	
23 05 29 00-0310 EA 2" Two Hole Copper-Clad Pipe Strap	12.42	
For Work In Restricted Working Space, Add	2.99	
23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0312 EA 1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.51	
For Work In Restricted Working Space, Add	0.77	
23 05 29 00-0313 EA 3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	4.10	
For Work In Restricted Working Space, Add	0.82	
23 05 29 00-0314 EA 1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	4.41	
For Work In Restricted Working Space, Add	0.89	
23 05 29 00-0315 EA 1-1/4" Galvanized Steel Strap, 1 Hole	4.74	
For Work In Restricted Working Space, Add	0.96	
23 05 29 00-0316 EA 1-1/2" Galvanized Steel Strap, 1 Hole	5.11	
For Work In Restricted Working Space, Add	1.04	
23 05 29 00-0317 EA 2" Galvanized Steel Strap, 1 Hole	5.69	
For Work In Restricted Working Space, Add	1.15	
23 05 29 00-0318 Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0319 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-		
Line B3068) (23 05 29 00-0318)		
Note: Up to 750# load.		
23 05 29 00-0320 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	130.84	16.91
For Galvanized, Add	19.40	
For Work In Restricted Working Space, Add	10.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0321 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	132.61	16.91
For Galvanized, Add	19.75	
For Work In Restricted Working Space, Add	10.15	
23 05 29 00-0322 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	139.63	16.91
For Galvanized, Add	21.16	
For Work In Restricted Working Space, Add	10.15	
23 05 29 00-0323 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0318)		
Note: Up to 1500# load.		
23 05 29 00-0324 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	302.23	16.91
For Galvanized, Add	53.68	
For Work In Restricted Working Space, Add	10.15	
23 05 29 00-0325 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	352.69	16.91
For Galvanized, Add	63.77	
For Work In Restricted Working Space, Add	10.15	
23 05 29 00-0326 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	455.57	16.91
For Galvanized, Add	84.35	
For Work In Restricted Working Space, Add	10.15	
23 05 29 00-0327 Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0328 Pipe Alignment Guide, 1" Insulation (23 05 29 00-0327)		
23 05 29 00-0329 EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	882.46	26.79
23 05 29 00-0330 EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	883.86	27.49
23 05 29 00-0331 EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	885.27	28.20
23 05 29 00-0332 EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	886.68	28.90
23 05 29 00-0333 EA 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	968.83	29.60
23 05 29 00-0334 EA 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	987.03	32.43
23 05 29 00-0335 EA 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	989.14	33.49
23 05 29 00-0336 EA 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	991.26	34.54
23 05 29 00-0337 EA 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	1,049.05	36.65
23 05 29 00-0338 EA 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	1,220.82	46.53
23 05 29 00-0339 EA 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	1,240.56	56.39
23 05 29 00-0340 EA 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	1,393.54	70.49
23 05 29 00-0341 EA 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	2,607.39	84.59
23 05 29 00-0342 EA 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	3,978.94	112.79
23 05 29 00-0343 EA 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	4,894.85	140.98
23 05 29 00-0344 EA 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	5,897.52	157.90
23 05 29 00-0345 EA 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	6,356.98	176.23
23 05 29 00-0346 EA 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	6,746.37	201.60
23 05 29 00-0347 EA 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	8,528.79	211.47
23 05 29 00-0348 Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0327)		
23 05 29 00-0349 EA 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	883.86	27.49
23 05 29 00-0350 EA 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	966.01	28.20
23 05 29 00-0351 EA 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	967.42	28.90
23 05 29 00-0352 EA 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	968.83	29.60
23 05 29 00-0353 EA 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	970.25	30.31
23 05 29 00-0354 EA 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	988.44	33.13
23 05 29 00-0355 EA 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	990.56	34.19
23 05 29 00-0356 EA 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	1,046.23	35.25
23 05 29 00-0357 EA 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	1,050.46	37.36
23 05 29 00-0358 EA 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	1,222.93	47.58
23 05 29 00-0359 EA 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	1,243.37	57.80
23 05 29 00-0360 EA 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	1,397.06	72.25
23 05 29 00-0361 EA 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	2,611.61	86.70
23 05 29 00-0362 EA 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	3,984.58	115.60
23 05 29 00-0363 EA 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	4,901.90	144.50
23 05 29 00-0364 EA 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	5,905.98	162.13
23 05 29 00-0365 EA 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	6,365.44	180.45
23 05 29 00-0366 EA 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	6,756.23	206.54
23 05 29 00-0367 EA 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	8,539.36	216.76
23 05 29 00-0368 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0327)		
23 05 29 00-0369 EA 1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	966.01	28.20
23 05 29 00-0370 EA 3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	979.98	28.90
23 05 29 00-0371 EA 1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	981.39	29.60
23 05 29 00-0372 EA 1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	982.81	30.31
23 05 29 00-0373 EA 1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	984.21	31.01
23 05 29 00-0374 EA 2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	1,043.42	33.84
23 05 29 00-0375 EA 2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	1,046.23	35.25
23 05 29 00-0376 EA 3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	1,047.99	36.13
23 05 29 00-0377 EA 4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	1,203.90	38.06
23 05 29 00-0378 EA 5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	1,225.05	48.64
23 05 29 00-0379 EA 6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	1,370.99	59.21
23 05 29 00-0380 EA 8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	1,538.81	74.01



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various pipe alignment guides and insulation types (e.g., 10" Diameter Pipe Alignment Guide, 2" Insulation).

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0453 EA 2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	1,326.57	37.01
23 05 29 00-0454 EA 2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	1,330.10	38.77
23 05 29 00-0455 EA 3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	1,332.49	39.97
23 05 29 00-0456 EA 4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	1,474.67	41.94
23 05 29 00-0457 EA 5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	2,545.35	53.58
23 05 29 00-0458 EA 6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	2,567.91	64.85
23 05 29 00-0459 EA 8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	3,915.50	81.06
23 05 29 00-0460 EA 10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	4,809.72	97.98
23 05 29 00-0461 EA 12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	5,841.83	130.05
23 05 29 00-0462 EA 14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	6,328.79	162.13
23 05 29 00-0463 EA 16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	6,709.71	183.28
23 05 29 00-0464 EA 18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	8,514.70	204.42
23 05 29 00-0465 Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0466 EA 1-1/2" Sway Bracing.....	163.90	18.61
For Work In Restricted Working Space, Add	11.13	
23 05 29 00-0467 EA 2" Sway Bracing.....	168.98	19.60
For Work In Restricted Working Space, Add	11.75	
23 05 29 00-0468 EA 3" Sway Bracing.....	175.14	20.72
For Work In Restricted Working Space, Add	12.44	
23 05 29 00-0469 EA 4" Sway Bracing.....	198.78	23.54
For Work In Restricted Working Space, Add	14.10	
23 05 29 00-0470 EA 6" Sway Bracing.....	291.84	35.25
For Work In Restricted Working Space, Add	21.15	
23 05 29 00-0471 EA 8" Sway Bracing.....	324.49	43.98
For Work In Restricted Working Space, Add	26.43	
23 05 29 00-0472 EA 10" Sway Bracing.....	368.00	58.79
For Work In Restricted Working Space, Add	35.24	
23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)		
Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0474 EA 23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	340.08	14.10
For Work In Restricted Working Space, Add	8.46	
23 05 29 00-0475 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	348.26	15.51
For Work In Restricted Working Space, Add	9.30	
23 05 29 00-0476 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	692.33	17.62
For Work In Restricted Working Space, Add	10.58	
23 05 29 00-0477 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	841.95	19.74
For Work In Restricted Working Space, Add	11.84	
23 05 29 00-0478 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	853.53	21.85
For Work In Restricted Working Space, Add	13.11	
23 05 29 00-0479 EA 25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	940.06	24.67
For Work In Restricted Working Space, Add	14.80	
23 05 29 00-0480 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,118.67	26.79
For Work In Restricted Working Space, Add	16.07	
23 05 29 00-0481 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,132.58	28.90
For Work In Restricted Working Space, Add	17.34	
23 05 29 00-0482 EA 26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,150.43	31.72
For Work In Restricted Working Space, Add	19.03	
23 05 29 00-0483 EA 28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,199.17	34.54
For Work In Restricted Working Space, Add	20.72	
23 05 29 00-0484 EA 29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,286.12	38.06
For Work In Restricted Working Space, Add	22.84	
23 05 29 00-0485 EA 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,326.01	42.29
For Work In Restricted Working Space, Add	25.38	
23 05 29 00-0486 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,613.69	46.53
For Work In Restricted Working Space, Add	27.92	
23 05 29 00-0487 EA 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,762.51	52.16
For Work In Restricted Working Space, Add	31.30	
23 05 29 00-0488 EA 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,479.67	57.80
For Work In Restricted Working Space, Add	34.68	
23 05 29 00-0489 EA 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,060.70	63.44
For Work In Restricted Working Space, Add	38.06	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe' and 'Channel Mounted Cushion Clamp'.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0533 Rooftop Pipe Supports <small>(23 05 29 00-0001)</small> Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0534 Rooftop Support Base <small>(23 05 29 00-0533)</small>		
23 05 29 00-0535 EA 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	49.54	11.49
23 05 29 00-0536 EA 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	68.96	15.31
23 05 29 00-0537 Rooftop Support Base With 14 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
23 05 29 00-0538 EA 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	56.15	11.49
23 05 29 00-0539 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	79.71	15.31
23 05 29 00-0540 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	146.37	19.14
23 05 29 00-0541 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	202.00	22.97
23 05 29 00-0542 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	279.30	26.80
23 05 29 00-0543 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	294.76	30.63
23 05 29 00-0544 Rooftop Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
23 05 29 00-0545 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	97.27	15.31
23 05 29 00-0546 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	154.21	19.14
23 05 29 00-0547 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	205.14	22.97
23 05 29 00-0548 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	279.48	26.80
23 05 29 00-0549 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	313.78	22.97
23 05 29 00-0550 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
23 05 29 00-0551 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	162.68	22.97
23 05 29 00-0552 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	185.34	26.80
23 05 29 00-0553 EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	192.94	30.63
23 05 29 00-0554 EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	211.26	34.46
23 05 29 00-0555 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	269.87	38.28
23 05 29 00-0556 Rooftop Pipe Support Base And Rod <small>(23 05 29 00-0533)</small>		
23 05 29 00-0557 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	118.07	15.31
23 05 29 00-0558 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	118.07	15.31
23 05 29 00-0559 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	118.72	15.31
23 05 29 00-0560 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	127.05	19.14
23 05 29 00-0561 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	122.24	19.14
23 05 29 00-0562 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	128.41	19.14
23 05 29 00-0563 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0533)</small>		
23 05 29 00-0564 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	149.54	15.31
23 05 29 00-0565 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	166.79	15.31
23 05 29 00-0566 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	218.55	19.14
23 05 29 00-0567 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	289.09	19.14
23 05 29 00-0568 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	393.85	19.14
23 05 29 00-0569 Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0533)</small> Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0570 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	186.59	22.97
23 05 29 00-0571 Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0533)</small> Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0572 EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	122.56	19.14
23 05 29 00-0573 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	166.87	22.97
23 05 29 00-0574 EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	186.14	26.80
23 05 29 00-0575 Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0533)</small> Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0576 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	447.51	30.63
23 05 29 00-0577 EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	452.48	30.63
23 05 29 00-0578 EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	469.89	30.63
23 05 29 00-0579 EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	509.87	30.63
23 05 29 00-0580 EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	438.65	30.63
23 05 29 00-0581 EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	455.31	30.63
23 05 29 00-0582 EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	472.73	30.63
23 05 29 00-0583 EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	512.69	30.63
23 05 29 00-0584 EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	458.45	30.63
23 05 29 00-0585 EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	464.27	30.63
23 05 29 00-0586 EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	481.35	30.63
23 05 29 00-0587 EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	521.49	30.63
23 05 29 00-0588 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	478.69	30.63
23 05 29 00-0589 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	483.99	30.63
23 05 29 00-0590 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	501.08	30.63
23 05 29 00-0591 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	541.21	30.63
23 05 29 00-0592	Threaded Rod, Accessories And Attachments (23 05 29)	
23 05 29 00-0593	Threaded Rod And Rod Accessories (23 05 29 00-0592)	
23 05 29 00-0594	Threaded Rod (23 05 29 00-0593)	
	Note: Fully threaded.	
23 05 29 00-0595 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.54	0.96
	<i>For Galvanized, Add</i>	1.05
	<i>For Zinc Plated, Add</i>	0.75
	<i>For Work In Restricted Working Space, Add</i>	0.57
23 05 29 00-0596 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.23	1.03
	<i>For Galvanized, Add</i>	1.68
	<i>For Zinc Plated, Add</i>	1.19
	<i>For Work In Restricted Working Space, Add</i>	0.61
23 05 29 00-0597 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.60	1.06
	<i>For Galvanized, Add</i>	2.60
	<i>For Zinc Plated, Add</i>	1.85
	<i>For Work In Restricted Working Space, Add</i>	0.63
23 05 29 00-0598 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.96	1.09
	<i>For Galvanized, Add</i>	4.72
	<i>For Zinc Plated, Add</i>	3.36
	<i>For Work In Restricted Working Space, Add</i>	0.65
23 05 29 00-0599 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.21	1.13
	<i>For Galvanized, Add</i>	5.18
	<i>For Zinc Plated, Add</i>	3.69
	<i>For Work In Restricted Working Space, Add</i>	0.68
23 05 29 00-0600 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	20.75	1.27
	<i>For Galvanized, Add</i>	7.28
	<i>For Zinc Plated, Add</i>	5.19
	<i>For Work In Restricted Working Space, Add</i>	0.77
23 05 29 00-0601 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.79	1.42
	<i>For Galvanized, Add</i>	9.18
	<i>For Zinc Plated, Add</i>	6.54
	<i>For Work In Restricted Working Space, Add</i>	0.85
23 05 29 00-0602	Rod Couplings (23 05 29 00-0593)	
23 05 29 00-0603 EA 3/8" Diameter, Threaded Rod Coupling Nut	11.22	
	<i>For Work In Restricted Working Space, Add</i>	2.82
23 05 29 00-0604 EA 1/2" Diameter, Threaded Rod Coupling Nut	12.71	
	<i>For Work In Restricted Working Space, Add</i>	3.13
23 05 29 00-0605 EA 5/8" Diameter, Threaded Rod Coupling Nut	15.78	
	<i>For Work In Restricted Working Space, Add</i>	3.53
23 05 29 00-0606 EA 3/4" Diameter, Threaded Rod Coupling Nut	19.13	
	<i>For Work In Restricted Working Space, Add</i>	3.85
23 05 29 00-0607 EA 7/8" Diameter, Threaded Rod Coupling Nut	27.65	
	<i>For Work In Restricted Working Space, Add</i>	4.23
23 05 29 00-0608 EA 1" Diameter, Threaded Rod Coupling Nut	32.80	
	<i>For Work In Restricted Working Space, Add</i>	4.98
23 05 29 00-0609 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	61.70	
	<i>For Work In Restricted Working Space, Add</i>	5.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0610 Flat Washers (23 05 29 00-0593) Note: Zinc plated.		
23 05 29 00-0611 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.79	0.30
For Galvanized, Add	0.04	
For Work In Restricted Working Space, Add	0.19	
23 05 29 00-0612 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.06	0.30
For Galvanized, Add	0.09	
For Work In Restricted Working Space, Add	0.22	
23 05 29 00-0613 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.51	0.46
For Galvanized, Add	0.17	
For Work In Restricted Working Space, Add	0.26	
23 05 29 00-0614 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.05	0.46
For Galvanized, Add	0.24	
For Work In Restricted Working Space, Add	0.33	
23 05 29 00-0615 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.41	0.61
For Galvanized, Add	0.28	
For Work In Restricted Working Space, Add	0.38	
23 05 29 00-0616 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.81	0.61
For Galvanized, Add	0.35	
For Work In Restricted Working Space, Add	0.43	
23 05 29 00-0617 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.17	0.76
For Galvanized, Add	0.39	
For Work In Restricted Working Space, Add	0.48	
23 05 29 00-0618 Hex Nuts (23 05 29 00-0593) Note: Grade 2 and zinc plated.		
23 05 29 00-0619 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.00	0.38
For Galvanized, Add	0.03	
For Work In Restricted Working Space, Add	0.26	
23 05 29 00-0620 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.25	0.38
For Galvanized, Add	0.07	
For Work In Restricted Working Space, Add	0.29	
23 05 29 00-0621 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.67	0.38
For Galvanized, Add	0.17	
For Work In Restricted Working Space, Add	0.30	
23 05 29 00-0622 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.96	0.76
For Galvanized, Add	0.22	
For Work In Restricted Working Space, Add	0.32	
23 05 29 00-0623 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.81	0.76
For Galvanized, Add	0.42	
For Work In Restricted Working Space, Add	0.34	
23 05 29 00-0624 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.55	0.76
For Galvanized, Add	0.57	
For Work In Restricted Working Space, Add	0.38	
23 05 29 00-0625 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.72	0.76
For Galvanized, Add	1.08	
For Work In Restricted Working Space, Add	0.43	
23 05 29 00-0626 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0593) Note: Type 13.		
23 05 29 00-0627 EA 3/8" Turnbuckle (Cooper B-Line B3202).....	31.10	7.66
For Work In Restricted Working Space, Add	4.59	
23 05 29 00-0628 EA 1/2" Turnbuckle (Cooper B-Line B3202).....	36.65	8.42
For Work In Restricted Working Space, Add	5.11	
23 05 29 00-0629 EA 5/8" Turnbuckle (Cooper B-Line B3202).....	39.66	9.19
For Work In Restricted Working Space, Add	5.74	
23 05 29 00-0630 EA 3/4" Turnbuckle (Cooper B-Line B3202).....	49.37	10.72
For Work In Restricted Working Space, Add	6.56	
23 05 29 00-0631 EA 7/8" Turnbuckle (Cooper B-Line B3202).....	63.21	11.49
For Work In Restricted Working Space, Add	7.66	
23 05 29 00-0632 EA 1" Turnbuckle (Cooper B-Line B3202).....	78.20	12.26
For Work In Restricted Working Space, Add	9.19	
23 05 29 00-0633 EA 1-1/8" Turnbuckle (Cooper B-Line B3202).....	107.42	13.79
For Work In Restricted Working Space, Add	11.49	
23 05 29 00-0634 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0593) Note: Type 15.		
23 05 29 00-0635 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	21.12	7.66
For Work In Restricted Working Space, Add	4.59	
23 05 29 00-0636 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	24.27	8.57
For Work In Restricted Working Space, Add	5.11	
23 05 29 00-0637 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	31.31	9.49
For Work In Restricted Working Space, Add	5.74	
23 05 29 00-0638 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	37.52	10.88
For Work In Restricted Working Space, Add	6.56	
23 05 29 00-0639 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0593) Note: Type 14.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0640 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	97.88	14.10
<i>For Work In Restricted Working Space, Add</i>	8.46	
23 05 29 00-0641 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	141.39	14.80
<i>For Work In Restricted Working Space, Add</i>	8.90	
23 05 29 00-0642 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	152.72	15.51
<i>For Work In Restricted Working Space, Add</i>	9.40	
23 05 29 00-0643 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	159.17	16.91
<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 29 00-0644 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	168.21	19.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
23 05 29 00-0645 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	276.94	24.67
<i>For Work In Restricted Working Space, Add</i>	14.80	
23 05 29 00-0646 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	301.29	28.20
<i>For Work In Restricted Working Space, Add</i>	16.92	
23 05 29 00-0647 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	356.21	35.25
<i>For Work In Restricted Working Space, Add</i>	21.15	
23 05 29 00-0648 Welded Eye Rod (Cooper B-Line B3211) <small>(23 05 29 00-0593)</small>		
23 05 29 00-0649 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	31.28	8.27
<i>For Work In Restricted Working Space, Add</i>	4.98	
23 05 29 00-0650 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	32.23	8.42
<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0651 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	33.17	8.57
<i>For Work In Restricted Working Space, Add</i>	5.17	
23 05 29 00-0652 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	33.49	8.73
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0653 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	35.40	9.04
<i>For Work In Restricted Working Space, Add</i>	5.46	
23 05 29 00-0654 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	37.65	9.65
<i>For Work In Restricted Working Space, Add</i>	5.74	
23 05 29 00-0655 EA 3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	39.23	10.10
<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0656 EA 3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	42.12	10.56
<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0657 EA 3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	44.34	11.03
<i>For Work In Restricted Working Space, Add</i>	6.61	
23 05 29 00-0658 EA 3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	46.58	11.49
<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0659 EA 1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	40.69	9.19
<i>For Work In Restricted Working Space, Add</i>	5.51	
23 05 29 00-0660 EA 1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	41.65	9.34
<i>For Work In Restricted Working Space, Add</i>	5.61	
23 05 29 00-0661 EA 1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	42.65	9.49
<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0662 EA 1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	43.62	9.65
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 05 29 00-0663 EA 1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	45.57	9.95
<i>For Work In Restricted Working Space, Add</i>	6.02	
23 05 29 00-0664 EA 1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	49.14	10.57
<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0665 EA 1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	52.08	11.03
<i>For Work In Restricted Working Space, Add</i>	6.63	
23 05 29 00-0666 EA 1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	55.65	11.49
<i>For Work In Restricted Working Space, Add</i>	6.94	
23 05 29 00-0667 EA 1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	58.56	12.10
<i>For Work In Restricted Working Space, Add</i>	7.24	
23 05 29 00-0668 EA 1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	61.50	12.56
<i>For Work In Restricted Working Space, Add</i>	7.55	
23 05 29 00-0669 EA 5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	53.71	10.27
<i>For Work In Restricted Working Space, Add</i>	6.17	
23 05 29 00-0670 EA 5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	55.32	10.42
<i>For Work In Restricted Working Space, Add</i>	6.27	
23 05 29 00-0671 EA 5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	56.97	10.57
<i>For Work In Restricted Working Space, Add</i>	6.38	
23 05 29 00-0672 EA 5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	57.96	10.88
<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0673 EA 5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	60.58	11.18
<i>For Work In Restricted Working Space, Add</i>	6.70	
23 05 29 00-0674 EA 5/8" Diameter x 24" Length Shank, Welded Eye Rod.....	64.83	11.64
<i>For Work In Restricted Working Space, Add</i>	7.01	
23 05 29 00-0675 EA 5/8" Diameter x 30" Length Shank, Welded Eye Rod.....	69.06	12.26
<i>For Work In Restricted Working Space, Add</i>	7.33	
23 05 29 00-0676 EA 5/8" Diameter x 36" Length Shank, Welded Eye Rod.....	72.67	12.71
<i>For Work In Restricted Working Space, Add</i>	7.65	
23 05 29 00-0677 EA 5/8" Diameter x 42" Length Shank, Welded Eye Rod.....	76.92	13.32
<i>For Work In Restricted Working Space, Add</i>	7.97	
23 05 29 00-0678 EA 5/8" Diameter x 48" Length Shank, Welded Eye Rod.....	81.15	13.79
<i>For Work In Restricted Working Space, Add</i>	8.28	
23 05 29 00-0679 EA 3/4" Diameter x 8" Length Shank, Welded Eye Rod.....	65.44	11.64
<i>For Work In Restricted Working Space, Add</i>	7.01	
23 05 29 00-0680 EA 3/4" Diameter x 10" Length Shank, Welded Eye Rod.....	67.72	11.79
<i>For Work In Restricted Working Space, Add</i>	7.11	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0681	EA	3/4"	Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	69.35 7.22	12.10
23 05 29 00-0682	EA	3/4"	Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	71.62 7.33	12.26
23 05 29 00-0683	EA	3/4"	Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	75.54 7.55	12.56
23 05 29 00-0684	EA	3/4"	Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	81.07 7.88	13.17
23 05 29 00-0685	EA	3/4"	Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.62 8.20	13.63
23 05 29 00-0686	EA	3/4"	Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	92.83 8.53	14.25
23 05 29 00-0687	EA	3/4"	Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	99.00 8.86	14.70
23 05 29 00-0688	EA	3/4"	Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	104.56 9.18	15.31
23 05 29 00-0689	EA	7/8"	Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	78.10 8.13	13.48
23 05 29 00-0690	EA	7/8"	Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	81.01 8.24	13.79
23 05 29 00-0691	EA	7/8"	Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	83.32 8.36	13.94
23 05 29 00-0692	EA	7/8"	Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	85.60 8.47	14.10
23 05 29 00-0693	EA	7/8"	Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	90.20 8.69	14.55
23 05 29 00-0694	EA	7/8"	Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	97.70 9.04	15.01
23 05 29 00-0695	EA	7/8"	Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	104.56 9.38	15.63
23 05 29 00-0696	EA	7/8"	Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	112.06 9.71	16.24
23 05 29 00-0697	EA	7/8"	Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	118.94 10.05	16.69
23 05 29 00-0698	EA	7/8"	Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	125.81 10.40	17.30
23 05 29 00-0699	EA	1"	Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	97.37 9.70	16.24
23 05 29 00-0700	EA	1"	Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	100.35 9.83	16.39
23 05 29 00-0701	EA	1"	Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	103.32 9.96	16.54
23 05 29 00-0702	EA	1"	Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	106.29 10.08	16.85
23 05 29 00-0703	EA	1"	Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	112.23 10.34	17.30
23 05 29 00-0704	EA	1"	Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	121.17 10.72	17.92
23 05 29 00-0705	EA	1"	Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	130.11 11.11	18.53
23 05 29 00-0706	EA	1"	Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	139.63 11.49	19.14
23 05 29 00-0707	EA	1"	Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	148.57 11.87	19.76
23 05 29 00-0708	EA	1"	Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	157.51 12.26	20.37
23 05 29 00-0709			Welded Linked Eye Rod (Cooper B-Line B3211X) <small>(23 05 29 00-0593)</small>		
23 05 29 00-0710	EA	3/8"	Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	61.96 6.74	11.18
23 05 29 00-0711	EA	3/8"	Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	63.63 6.93	11.49
23 05 29 00-0712	EA	3/8"	Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	65.32 7.12	11.94
23 05 29 00-0713	EA	3/8"	Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	66.29 7.41	12.40
23 05 29 00-0714	EA	3/8"	Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	69.34 7.70	12.87
23 05 29 00-0715	EA	3/8"	Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	73.42 8.27	13.78
23 05 29 00-0716	EA	3/8"	Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	76.37 8.84	14.70
23 05 29 00-0717	EA	3/8"	Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	81.49 9.42	15.77
23 05 29 00-0718	EA	1/2"	Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	78.89 7.45	12.41
23 05 29 00-0719	EA	1/2"	Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	80.61 7.65	12.71
23 05 29 00-0720	EA	1/2"	Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.39 7.85	13.02
23 05 29 00-0721	EA	1/2"	Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.48 8.16	13.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0722 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	87.58	14.10
For Work In Restricted Working Space, Add	8.46	
23 05 29 00-0723 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	93.89	15.16
For Work In Restricted Working Space, Add	9.08	
23 05 29 00-0724 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	99.12	16.09
For Work In Restricted Working Space, Add	9.69	
23 05 29 00-0725 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	105.42	17.15
For Work In Restricted Working Space, Add	10.30	
23 05 29 00-0726 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	104.05	13.79
For Work In Restricted Working Space, Add	8.31	
23 05 29 00-0727 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	106.85	14.25
For Work In Restricted Working Space, Add	8.53	
23 05 29 00-0728 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	109.70	14.55
For Work In Restricted Working Space, Add	8.74	
23 05 29 00-0729 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	111.83	15.16
For Work In Restricted Working Space, Add	9.05	
23 05 29 00-0730 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	116.07	15.63
For Work In Restricted Working Space, Add	9.37	
23 05 29 00-0731 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	123.49	16.69
For Work In Restricted Working Space, Add	10.00	
23 05 29 00-0732 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	130.91	17.77
For Work In Restricted Working Space, Add	10.64	
23 05 29 00-0733 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	137.28	18.84
For Work In Restricted Working Space, Add	11.27	
23 05 29 00-0734 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	130.53	15.63
For Work In Restricted Working Space, Add	9.41	
23 05 29 00-0735 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	134.49	16.09
For Work In Restricted Working Space, Add	9.63	
23 05 29 00-0736 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	137.32	16.39
For Work In Restricted Working Space, Add	9.85	
23 05 29 00-0737 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	141.59	17.00
For Work In Restricted Working Space, Add	10.18	
23 05 29 00-0738 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	147.99	17.47
For Work In Restricted Working Space, Add	10.50	
23 05 29 00-0739 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	157.57	18.53
For Work In Restricted Working Space, Add	11.15	
23 05 29 00-0740 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	167.20	19.61
For Work In Restricted Working Space, Add	11.81	
23 05 29 00-0741 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	177.89	20.83
For Work In Restricted Working Space, Add	12.46	
23 05 29 00-0742 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	156.39	18.08
For Work In Restricted Working Space, Add	10.88	
23 05 29 00-0743 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	161.42	18.53
For Work In Restricted Working Space, Add	11.11	
23 05 29 00-0744 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	165.36	18.84
For Work In Restricted Working Space, Add	11.34	
23 05 29 00-0745 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	169.67	19.46
For Work In Restricted Working Space, Add	11.68	
23 05 29 00-0746 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	177.21	20.07
For Work In Restricted Working Space, Add	12.02	
23 05 29 00-0747 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	190.08	21.14
For Work In Restricted Working Space, Add	12.70	
23 05 29 00-0748 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	201.91	22.36
For Work In Restricted Working Space, Add	13.38	
23 05 29 00-0749 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	214.79	23.44
For Work In Restricted Working Space, Add	14.06	
23 05 29 00-0750 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	198.39	21.60
For Work In Restricted Working Space, Add	12.97	
23 05 29 00-0751 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	203.50	22.06
For Work In Restricted Working Space, Add	13.22	
23 05 29 00-0752 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	208.60	22.51
For Work In Restricted Working Space, Add	13.48	
23 05 29 00-0753 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	214.14	23.13
For Work In Restricted Working Space, Add	13.86	
23 05 29 00-0754 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	223.87	23.74
For Work In Restricted Working Space, Add	14.24	
23 05 29 00-0755 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	239.20	24.97
For Work In Restricted Working Space, Add	15.01	
23 05 29 00-0756 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	254.53	26.34
For Work In Restricted Working Space, Add	15.78	
23 05 29 00-0757 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	270.82	27.57
For Work In Restricted Working Space, Add	16.54	
23 05 29 00-0758 Attachments (23 05 29 00-0592)		
23 05 29 00-0759 Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0758)		
Note: Type 22.		
23 05 29 00-0760 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	63.20	14.26
For Work In Restricted Working Space, Add	8.56	
23 05 29 00-0761 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	67.43	14.98
For Work In Restricted Working Space, Add	9.01	
23 05 29 00-0762 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	71.79	15.84
For Work In Restricted Working Space, Add	9.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0763 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	91.63	16.83
<i>For Work In Restricted Working Space, Add</i>	10.07	
23 05 29 00-0764 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	109.96	17.83
<i>For Work In Restricted Working Space, Add</i>	10.70	
23 05 29 00-0765 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	154.19	20.41
<i>For Work In Restricted Working Space, Add</i>	12.23	
23 05 29 00-0766 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	218.42	21.40
<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 29 00-0767 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0758)		
Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0768 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	23.38	7.81
<i>For Work In Restricted Working Space, Add</i>	5.74	
23 05 29 00-0769 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	27.76	9.95
<i>For Work In Restricted Working Space, Add</i>	6.13	
23 05 29 00-0770 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	31.42	10.72
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0771 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	40.13	11.49
<i>For Work In Restricted Working Space, Add</i>	7.07	
23 05 29 00-0772 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	57.70	12.26
<i>For Work In Restricted Working Space, Add</i>	7.66	
23 05 29 00-0773 Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0758)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0774 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	62.75	10.72
<i>For Work In Restricted Working Space, Add</i>	7.66	
23 05 29 00-0775 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	91.64	13.79
<i>For Work In Restricted Working Space, Add</i>	8.36	
23 05 29 00-0776 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	130.38	15.31
<i>For Work In Restricted Working Space, Add</i>	9.19	
23 05 29 00-0777 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	155.89	16.85
<i>For Work In Restricted Working Space, Add</i>	10.21	
23 05 29 00-0778 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	374.75	18.38
<i>For Work In Restricted Working Space, Add</i>	11.49	
23 05 29 00-0779 Steel U-Bolts (B-Line B-3188) (23 05 29 00-0758)		
Note: Type 24. Includes plate and nuts.		
23 05 29 00-0780 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	19.04	3.83
<i>For Work In Restricted Working Space, Add</i>	4.59	
23 05 29 00-0781 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	20.63	4.59
<i>For Work In Restricted Working Space, Add</i>	4.84	
23 05 29 00-0782 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188).....	22.19	4.59
<i>For Work In Restricted Working Space, Add</i>	5.11	
23 05 29 00-0783 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	25.13	4.59
<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-0784 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	25.99	5.36
<i>For Work In Restricted Working Space, Add</i>	5.74	
23 05 29 00-0785 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	27.82	5.36
<i>For Work In Restricted Working Space, Add</i>	6.13	
23 05 29 00-0786 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	39.60	5.36
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0787 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188).....	43.63	6.12
<i>For Work In Restricted Working Space, Add</i>	7.07	
23 05 29 00-0788 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	52.52	6.90
<i>For Work In Restricted Working Space, Add</i>	7.66	
23 05 29 00-0789 Copper Standoff Brackets With Flange (23 05 29 00-0758)		
Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0790 EA Clamp Size 1/2", Copper Standoff Brackets With Flange.....	45.58	21.90
<i>For Work In Restricted Working Space, Add</i>	13.13	
23 05 29 00-0791 EA Clamp Size 3/4", Copper Standoff Brackets With Flange.....	45.69	21.90
<i>For Work In Restricted Working Space, Add</i>	13.13	
23 05 29 00-0792 EA Clamp Size 1", Copper Standoff Brackets With Flange.....	45.80	21.90
<i>For Work In Restricted Working Space, Add</i>	13.13	
23 05 29 00-0793 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange.....	48.66	23.29
<i>For Work In Restricted Working Space, Add</i>	13.92	
23 05 29 00-0794 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange.....	48.88	23.29
<i>For Work In Restricted Working Space, Add</i>	13.92	
23 05 29 00-0795 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0758)		
Note: Type 16.		
23 05 29 00-0796 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	14.03	2.30
<i>For Work In Restricted Working Space, Add</i>	1.40	
23 05 29 00-0797 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	17.89	3.07
<i>For Work In Restricted Working Space, Add</i>	1.84	
23 05 29 00-0798 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	30.36	3.07
<i>For Work In Restricted Working Space, Add</i>	1.86	
23 05 29 00-0799 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	42.56	3.07
<i>For Work In Restricted Working Space, Add</i>	1.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0800 EA 7/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	46.06 2.30	3.83
23 05 29 00-0801 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0758) Note: Type 17.		
23 05 29 00-0802 EA 3/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	44.73 1.40	2.30
23 05 29 00-0803 EA 1/2" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	46.20 1.84	3.07
23 05 29 00-0804 EA 5/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	46.27 1.86	3.07
23 05 29 00-0805 EA 3/4" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	46.20 1.84	3.07
23 05 29 00-0806 EA 7/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	89.61 2.07	3.37
23 05 29 00-0807 EA 1" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	90.38 2.30	3.83
23 05 29 00-0808 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0758) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0809 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	31.28 4.28	7.13
23 05 29 00-0810 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	37.51 4.72	7.85
23 05 29 00-0811 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	45.30 5.19	8.56
23 05 29 00-0812 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	61.78 5.46	9.27
23 05 29 00-0813 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	94.25 6.42	10.70
23 05 29 00-0814 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	32.86 4.28	7.13
23 05 29 00-0815 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	39.74 4.72	7.85
23 05 29 00-0816 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	45.30 5.19	8.56
23 05 29 00-0817 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	67.65 5.46	9.27
23 05 29 00-0818 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	104.28 6.42	10.70
23 05 29 00-0819 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	36.53 4.28	7.13
23 05 29 00-0820 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	43.87 4.72	7.85
23 05 29 00-0821 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	54.98 5.19	8.56
23 05 29 00-0822 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	78.64 5.46	9.27
23 05 29 00-0823 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	125.77 6.42	10.70
23 05 29 00-0824 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0758) Note: Type 34.		
23 05 29 00-0825 EA 3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	25.99 5.74	9.95
23 05 29 00-0826 EA 1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	30.59 6.13	9.95
23 05 29 00-0827 EA 5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	39.23 6.56	10.72
23 05 29 00-0828 EA 3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	68.44 7.07	11.49
23 05 29 00-0829 EA 7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	79.94 7.66	13.02
23 05 29 00-0830 Hex Lag Bolts (23 05 29 00-0758) Note: Also known as coach screws.		
23 05 29 00-0831 EA 3/8" x 3-1/2" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.08 0.96	
23 05 29 00-0832 EA 3/8" x 4" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.14 0.99	
23 05 29 00-0833 EA 3/8" x 6" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.64 1.03	
23 05 29 00-0834 EA 3/8" x 8" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.54 1.07	
23 05 29 00-0835 EA 3/8" x 10" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.89 1.10	
23 05 29 00-0836 EA 3/8" x 12" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	7.41 1.15	
23 05 29 00-0837 EA 1/2" x 3-1/2" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.54 1.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0838 EA 1/2" x 4" Long, Hex Lag Bolt.....	5.62	
For Work In Restricted Working Space, Add	1.20	
23 05 29 00-0839 EA 1/2" x 6" Long, Hex Lag Bolt.....	6.50	
For Work In Restricted Working Space, Add	1.25	
23 05 29 00-0840 EA 1/2" x 8" Long, Hex Lag Bolt.....	7.49	
For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0841 EA 1/2" x 10" Long, Hex Lag Bolt.....	8.78	
For Work In Restricted Working Space, Add	1.37	
23 05 29 00-0842 EA 1/2" x 12" Long, Hex Lag Bolt.....	9.40	
For Work In Restricted Working Space, Add	1.43	
23 05 29 00-0843 EA 5/8" x 4" Long, Hex Lag Bolt.....	7.58	
For Work In Restricted Working Space, Add	1.28	
23 05 29 00-0844 EA 3/4" x 5" Long, Hex Lag Bolt.....	8.84	
For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0845 Hanger Strap (23 05 29 00-0592)		
23 05 29 00-0846 LF 3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	7.33	
23 05 29 00-0847 Shields And Saddles (23 05 29)		
23 05 29 00-0848 Insulation Protection Shield (23 05 29 00-0847)		
Note: Type 40.		
23 05 29 00-0849 Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0848)		
23 05 29 00-0850 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	18.82	3.68
For Work In Restricted Working Space, Add	3.68	
23 05 29 00-0851 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	19.09	3.72
For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0852 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	19.51	3.77
For Work In Restricted Working Space, Add	3.77	
23 05 29 00-0853 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	20.29	3.81
For Work In Restricted Working Space, Add	3.81	
23 05 29 00-0854 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	22.14	3.90
For Work In Restricted Working Space, Add	3.91	
23 05 29 00-0855 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	26.26	4.00
For Work In Restricted Working Space, Add	4.00	
23 05 29 00-0856 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	30.00	4.09
For Work In Restricted Working Space, Add	4.09	
23 05 29 00-0857 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	35.88	4.18
For Work In Restricted Working Space, Add	4.18	
23 05 29 00-0858 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	44.96	4.22
For Work In Restricted Working Space, Add	4.23	
23 05 29 00-0859 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	48.64	4.27
For Work In Restricted Working Space, Add	4.28	
23 05 29 00-0860 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	65.42	4.32
For Work In Restricted Working Space, Add	4.32	
23 05 29 00-0861 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	73.02	4.36
For Work In Restricted Working Space, Add	4.37	
23 05 29 00-0862 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	131.84	4.41
For Work In Restricted Working Space, Add	4.41	
23 05 29 00-0863 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	143.03	4.50
For Work In Restricted Working Space, Add	4.50	
23 05 29 00-0864 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	172.04	4.60
For Work In Restricted Working Space, Add	4.59	
23 05 29 00-0865 Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0848)		
23 05 29 00-0866 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	17.02	3.68
For Work In Restricted Working Space, Add	3.68	
23 05 29 00-0867 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	17.25	3.72
For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0868 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	17.60	3.77
For Work In Restricted Working Space, Add	3.77	
23 05 29 00-0869 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	18.21	3.81
For Work In Restricted Working Space, Add	3.81	
23 05 29 00-0870 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	19.64	3.90
For Work In Restricted Working Space, Add	3.91	
23 05 29 00-0871 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	22.70	4.00
For Work In Restricted Working Space, Add	4.00	
23 05 29 00-0872 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	24.20	4.09
For Work In Restricted Working Space, Add	4.09	
23 05 29 00-0873 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	29.85	4.18
For Work In Restricted Working Space, Add	4.18	
23 05 29 00-0874 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	35.05	4.22
For Work In Restricted Working Space, Add	4.23	
23 05 29 00-0875 Pipe Covering Protection Saddle (23 05 29 00-0847)		
Note: Sizes are pipe sizes.		
23 05 29 00-0876 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0875)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0877 EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.29	5.05
<i>For Work In Restricted Working Space, Add</i>	5.05	
23 05 29 00-0878 EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.44	5.10
<i>For Work In Restricted Working Space, Add</i>	5.09	
23 05 29 00-0879 EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.58	5.14
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0880 EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	29.83	5.22
<i>For Work In Restricted Working Space, Add</i>	5.22	
23 05 29 00-0881 EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	29.98	5.26
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0882 EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	30.88	5.35
<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0883 EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	33.88	5.43
<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0884 EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	37.50	5.53
<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0885 EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	41.69	5.69
<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0886 EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	49.81	5.90
<i>For Work In Restricted Working Space, Add</i>	5.91	
23 05 29 00-0887 EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	55.12	5.99
<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0888 EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	64.45	5.99
<i>For Work In Restricted Working Space, Add</i>	6.12	
23 05 29 00-0889 EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	69.92	6.21
<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0890 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <small>(23 05 29 00-0875)</small>		
23 05 29 00-0891 EA 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.34	5.05
<i>For Work In Restricted Working Space, Add</i>	5.05	
23 05 29 00-0892 EA 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.49	5.10
<i>For Work In Restricted Working Space, Add</i>	5.09	
23 05 29 00-0893 EA 1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.63	5.14
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0894 EA 1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.67	5.22
<i>For Work In Restricted Working Space, Add</i>	5.22	
23 05 29 00-0895 EA 2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	34.94	5.26
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0896 EA 2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	37.34	5.35
<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0897 EA 3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	37.98	5.43
<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0898 EA 4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	42.54	5.43
<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0899 EA 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	47.39	5.69
<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0900 EA 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	55.40	5.90
<i>For Work In Restricted Working Space, Add</i>	5.91	
23 05 29 00-0901 EA 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	61.73	5.99
<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0902 EA 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	72.60	6.12
<i>For Work In Restricted Working Space, Add</i>	6.12	
23 05 29 00-0903 EA 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	79.07	6.21
<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0904 Saddle, For 2" Insulation (Cooper B-Line B3162) <small>(23 05 29 00-0875)</small>		
23 05 29 00-0905 EA 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.45	5.31
<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0906 EA 1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.59	5.35
<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0907 EA 1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.17	5.39
<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0908 EA 1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	36.17	5.48
<i>For Work In Restricted Working Space, Add</i>	5.48	
23 05 29 00-0909 EA 2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	37.03	5.53
<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0910 EA 2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	37.32	5.62
<i>For Work In Restricted Working Space, Add</i>	5.61	
23 05 29 00-0911 EA 3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	39.24	5.71
<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0912 EA 4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	41.17	5.79
<i>For Work In Restricted Working Space, Add</i>	5.78	
23 05 29 00-0913 EA 6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	51.31	5.97
<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0914 EA 8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	57.67	6.21
<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0915 EA 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	60.36	6.29
<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0916 EA 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	79.70	6.42
<i>For Work In Restricted Working Space, Add</i>	6.42	
23 05 29 00-0917 EA 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	87.75	6.52
<i>For Work In Restricted Working Space, Add</i>	6.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0918 EA 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	96.09 6.68	6.68
23 05 29 00-0919 EA 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	104.42 6.85	6.85
23 05 29 00-0920 EA 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	114.11 7.02	7.02
23 05 29 00-0921 EA 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	129.96 7.19	7.20
23 05 29 00-0922 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0875)		
23 05 29 00-0923 EA 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	37.13 5.52	5.53
23 05 29 00-0924 EA 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	39.02 5.61	5.61
23 05 29 00-0925 EA 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	39.96 5.65	5.67
23 05 29 00-0926 EA 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	41.04 5.74	5.75
23 05 29 00-0927 EA 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	41.47 5.87	5.85
23 05 29 00-0928 EA 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	47.50 5.95	5.93
23 05 29 00-0929 EA 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	53.81 6.12	6.12
23 05 29 00-0930 EA 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	62.03 6.34	6.35
23 05 29 00-0931 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	66.22 6.47	6.45
23 05 29 00-0932 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	81.76 6.59	6.57
23 05 29 00-0933 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	96.16 6.68	6.68
23 05 29 00-0934 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	110.83 6.85	6.84
23 05 29 00-0935 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	117.53 7.02	7.00
23 05 29 00-0936 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	124.97 7.19	7.20
23 05 29 00-0937 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	132.41 7.36	7.36
23 05 29 00-0938 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0875)		
23 05 29 00-0939 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	41.28 5.78	5.79
23 05 29 00-0940 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	44.74 5.91	5.89
23 05 29 00-0941 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	46.54 5.99	5.97
23 05 29 00-0942 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	48.33 6.08	6.08
23 05 29 00-0943 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	54.96 6.25	6.26
23 05 29 00-0944 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	67.94 6.51	6.49
23 05 29 00-0945 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	73.28 6.59	6.59
23 05 29 00-0946 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	94.00 6.72	6.74
23 05 29 00-0947 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	111.38 6.85	6.84
23 05 29 00-0948 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	128.75 6.98	6.99
23 05 29 00-0949 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	131.29 7.19	7.17
23 05 29 00-0950 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	133.68 7.36	7.35
23 05 29 00-0951 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	168.38 7.54	7.53
23 05 29 00-0952 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0875)		
23 05 29 00-0953 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	46.10 5.91	5.92
23 05 29 00-0954 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	50.17 6.04	6.02
23 05 29 00-0955 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	52.28 6.12	6.12
23 05 29 00-0956 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	54.47 6.21	6.21
23 05 29 00-0957 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	65.65 6.42	6.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0958 EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	76.83	6.65
For Work In Restricted Working Space, Add	6.64	
23 05 29 00-0959 EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	79.35	6.75
For Work In Restricted Working Space, Add	6.76	
23 05 29 00-0960 EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	100.21	6.89
For Work In Restricted Working Space, Add	6.89	
23 05 29 00-0961 EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	120.66	6.98
For Work In Restricted Working Space, Add	6.98	
23 05 29 00-0962 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	141.41	7.16
For Work In Restricted Working Space, Add	7.15	
23 05 29 00-0963 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	171.95	7.34
For Work In Restricted Working Space, Add	7.32	
23 05 29 00-0964 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	202.39	7.52
For Work In Restricted Working Space, Add	7.54	
23 05 29 00-0965 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	216.26	7.70
For Work In Restricted Working Space, Add	7.71	
23 05 29 00-0966 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	227.45	7.91
For Work In Restricted Working Space, Add	7.92	
23 05 29 00-0967 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	235.75	8.10
For Work In Restricted Working Space, Add	8.09	
23 05 29 00-0968 Adjustable Pipe Saddle Support (Cooper B-Line B3096) <small>(23 05 29 00-0847)</small>		
23 05 29 00-0969 EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	102.66	19.14
23 05 29 00-0970 EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	109.65	22.21
23 05 29 00-0971 EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	132.70	25.28
23 05 29 00-0972 EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	138.86	27.57
23 05 29 00-0973 EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	154.11	30.64
23 05 29 00-0974 EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	177.03	38.29
23 05 29 00-0975 EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	232.02	51.31
23 05 29 00-0976 EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	293.84	76.59
23 05 29 00-0977 Pipe Stanchion Support (Cooper B-Line B3090) <small>(23 05 29 00-0847)</small>		
23 05 29 00-0978 EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	124.66	19.14
23 05 29 00-0979 EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	130.14	22.21
23 05 29 00-0980 EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	139.59	23.74
23 05 29 00-0981 EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	143.17	25.28
23 05 29 00-0982 EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	150.91	27.57
23 05 29 00-0983 EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	160.75	30.64
23 05 29 00-0984 EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	203.80	38.29
23 05 29 00-0985 EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	274.61	51.31
23 05 29 00-0986 EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	364.35	76.59
23 05 29 00-0987 Pipe Saddle Support (Cooper B-Line B3095) <small>(23 05 29 00-0847)</small>		
23 05 29 00-0988 EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	68.90	19.14
23 05 29 00-0989 EA 3" Pipe Saddle Support (Cooper B-Line B3095)	74.38	22.21
23 05 29 00-0990 EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	107.26	23.74
23 05 29 00-0991 EA 4" Pipe Saddle Support (Cooper B-Line B3095)	110.84	25.28
23 05 29 00-0992 EA 5" Pipe Saddle Support (Cooper B-Line B3095)	121.60	27.57
23 05 29 00-0993 EA 6" Pipe Saddle Support (Cooper B-Line B3095)	134.84	30.64
23 05 29 00-0994 EA 8" Pipe Saddle Support (Cooper B-Line B3095)	156.32	38.29
23 05 29 00-0995 EA 10" Pipe Saddle Support (Cooper B-Line B3095)	185.73	51.31
23 05 29 00-0996 EA 12" Pipe Saddle Support (Cooper B-Line B3095)	240.99	76.59
23 05 29 00-0997 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0847)</small>		
Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0998 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0997)</small>		
23 05 29 00-0999 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.80	9.46
23 05 29 00-1000 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.10	9.46
23 05 29 00-1001 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.18	9.46
23 05 29 00-1002 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.48	9.46
23 05 29 00-1003 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.96	10.04
23 05 29 00-1004 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.95	10.34
23 05 29 00-1005 EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.07	10.78
23 05 29 00-1006 EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.31	11.21
23 05 29 00-1007 EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.35	11.64
23 05 29 00-1008 EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.99	10.04
23 05 29 00-1009 EA 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.59	13.10
23 05 29 00-1010 EA 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.49	15.43
23 05 29 00-1011 EA 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	58.86	17.91
23 05 29 00-1012 EA 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.48	18.49
23 05 29 00-1013 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0997)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1014 EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.45	7.14
23 05 29 00-1015 EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.94	7.14
23 05 29 00-1016 EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.34	7.28
23 05 29 00-1017 EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.93	7.43
23 05 29 00-1018 EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.49	7.43
23 05 29 00-1019 EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.47	7.72
23 05 29 00-1020 EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.65	8.00
23 05 29 00-1021 EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.27	8.15
23 05 29 00-1022 EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.53	8.88
23 05 29 00-1023 EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.02	15.29
23 05 29 00-1024 EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.21	11.50
23 05 29 00-1025 EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.27	13.54
23 05 29 00-1026 EA 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.98	15.57
23 05 29 00-1027 EA 14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.61	18.78
23 05 29 00-1028 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)		
23 05 29 00-1029 EA 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.44	8.15
23 05 29 00-1030 EA 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.68	8.15
23 05 29 00-1031 EA 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.41	8.30
23 05 29 00-1032 EA 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.05	8.45
23 05 29 00-1033 EA 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.72	8.59
23 05 29 00-1034 EA 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.70	8.88
23 05 29 00-1035 EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.05	9.17
23 05 29 00-1036 EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.33	9.46
23 05 29 00-1037 EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.08	10.04
23 05 29 00-1038 EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.66	11.36
23 05 29 00-1039 EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.82	19.37
23 05 29 00-1040 EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.79	22.42
23 05 29 00-1041 EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.89	26.50
23 05 29 00-1042 EA 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.87	29.70
23 05 29 00-1043 EA 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	92.69	33.49
23 05 29 00-1044 EA 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	106.65	39.31
23 05 29 00-1045 EA 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	118.44	43.68
23 05 29 00-1046 EA 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	133.88	49.51
23 05 29 00-1047 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)		
23 05 29 00-1048 EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.88	9.46
23 05 29 00-1049 EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.15	9.46
23 05 29 00-1050 EA 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.05	9.61
23 05 29 00-1051 EA 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.70	9.75
23 05 29 00-1052 EA 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.36	9.75
23 05 29 00-1053 EA 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.56	10.20
23 05 29 00-1054 EA 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.10	10.49
23 05 29 00-1055 EA 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.56	10.92
23 05 29 00-1056 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.68	11.50
23 05 29 00-1057 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.96	13.10
23 05 29 00-1058 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.75	14.56
23 05 29 00-1059 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.73	16.74
23 05 29 00-1060 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.84	20.82
23 05 29 00-1061 EA 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.86	22.86
23 05 29 00-1062 EA 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.33	29.12
23 05 29 00-1063 EA 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	106.23	30.58
23 05 29 00-1064 EA 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	120.76	34.95
23 05 29 00-1065 EA 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	142.93	42.23
23 05 29 00-1066 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)		
23 05 29 00-1067 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.88	9.75
23 05 29 00-1068 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.77	10.20
23 05 29 00-1069 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.11	10.20
23 05 29 00-1070 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.65	10.49
23 05 29 00-1071 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.45	10.78
23 05 29 00-1072 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	70.46	10.92
23 05 29 00-1073 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.12	11.21
23 05 29 00-1074 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.35	11.94
23 05 29 00-1075 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.08	12.38
23 05 29 00-1076 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.31	15.14
23 05 29 00-1077 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	124.91	16.60
23 05 29 00-1078 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	148.40	17.48
23 05 29 00-1079 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	170.82	22.57
23 05 29 00-1080 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	192.09	24.02
23 05 29 00-1081 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	230.95	32.03
23 05 29 00-1082 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	248.58	34.95
23 05 29 00-1083 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	281.42	37.86
23 05 29 00-1084 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	330.71	46.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 05 29 00-1085 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)

23 05 29 00-1086	EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.88	9.46
23 05 29 00-1087	EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.50	11.50
23 05 29 00-1088	EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.71	11.50
23 05 29 00-1089	EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.42	11.64
23 05 29 00-1090	EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.34	11.79
23 05 29 00-1091	EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.61	12.23
23 05 29 00-1092	EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.48	12.67
23 05 29 00-1093	EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.13	13.10
23 05 29 00-1094	EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.04	13.84
23 05 29 00-1095	EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.33	15.73
23 05 29 00-1096	EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.47	17.48
23 05 29 00-1097	EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.48	20.09
23 05 29 00-1098	EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	88.60	25.05
23 05 29 00-1099	EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.44	27.37
23 05 29 00-1100	EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	119.21	34.95
23 05 29 00-1101	EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	127.48	36.69
23 05 29 00-1102	EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	145.00	41.94
23 05 29 00-1103	EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	171.52	50.67

23 05 29 00-1104 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)

23 05 29 00-1105	EA 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.22	12.81
23 05 29 00-1106	EA 3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.60	12.81
23 05 29 00-1107	EA 1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.84	12.96
23 05 29 00-1108	EA 1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.81	13.10
23 05 29 00-1109	EA 1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.49	13.10
23 05 29 00-1110	EA 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.73	13.98
23 05 29 00-1111	EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.27	14.13
23 05 29 00-1112	EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.30	14.71
23 05 29 00-1113	EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.51	15.57
23 05 29 00-1114	EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.59	17.62
23 05 29 00-1115	EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.43	19.07
23 05 29 00-1116	EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	86.06	22.71
23 05 29 00-1117	EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.70	28.24
23 05 29 00-1118	EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	111.92	30.73
23 05 29 00-1119	EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.19	39.31
23 05 29 00-1120	EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	143.35	41.20
23 05 29 00-1121	EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	161.50	47.18
23 05 29 00-1122	EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	192.99	57.08
23 05 29 00-1123	EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	221.21	67.13
23 05 29 00-1124	EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	253.15	79.21
23 05 29 00-1125	EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	288.43	93.62
23 05 29 00-1126	EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	418.10	144.59
23 05 29 00-1127	EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	452.01	159.15
23 05 29 00-1128	EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	482.77	171.82

23 05 29 00-1129 Equipment Housekeeping Pads (23 05 29)

See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.

23 05 29 00-1130 Molded Plastic Condenser Pad (23 05 29 00-1129)

23 05 29 00-1131	EA 30" Round Molded Plastic Pad.....	151.71	19.14
23 05 29 00-1132	EA 30" Octagon Molded Plastic Pad.....	159.17	19.14
23 05 29 00-1133	EA 30" x 30" Molded Plastic Pad.....	151.71	19.14
23 05 29 00-1134	EA 36" x 36" Molded Plastic Pad.....	196.41	19.14
23 05 29 00-1135	EA 36" x 48" Molded Plastic Pad.....	280.05	19.14

23 05 29 00-1136 Inertia Base (23 05 29 00-1129)

Note: Includes spring isolators.

23 05 29 00-1137	EA Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	3,993.75	
23 05 29 00-1138	EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	4,829.95	
23 05 29 00-1139	EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	5,532.66	
23 05 29 00-1140	EA >20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	6,324.37	

23 05 29 00-1141 Hanger Assemblies (23 05 29)

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-1142	EA 1/2" Standard Duty Clevis Pipe Hanger Assembly.....	65.70	23.81
	Note: Includes hanger, rod, nuts, washers and clamp.		
	For Work In Restricted Working Space, Add	15.32	
23 05 29 00-1143	EA 3/4" Standard Duty Clevis Pipe Hanger Assembly.....	68.53	25.22
	Note: Includes hanger, rod, nuts, washers and clamp.		
	For Work In Restricted Working Space, Add	16.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1144 EA 1" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	70.72 16.81	26.68
23 05 29 00-1145 EA 1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	71.86 17.06	26.72
23 05 29 00-1146 EA 1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	72.11 17.06	26.72
23 05 29 00-1147 EA 2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	73.43 17.31	26.94
23 05 29 00-1148 EA 2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	79.50 16.03	26.24
23 05 29 00-1149 EA 3" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	81.60 16.28	26.99
23 05 29 00-1150 EA 4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	99.00 17.98	30.48
23 05 29 00-1151 EA 6" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	147.00 23.62	39.38
23 05 29 00-1152 EA 8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	167.90 27.41	45.68
23 05 29 00-1153 EA 10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	228.56 34.38	58.03
23 05 29 00-1154 EA 12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	248.76 37.53	62.44
23 05 29 00-1155 Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1156 Angle Iron For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1157 LF 1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.54	2.23
23 05 29 00-1158 LF 3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	4.61	2.78
23 05 29 00-1159 LF 1" x 1" x 1/8" Angle Iron For Hanger Devices	5.67	3.33
23 05 29 00-1160 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	7.80	4.14
23 05 29 00-1161 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	8.69	4.45
23 05 29 00-1162 LF 2" x 2" x 1/4" Angle Iron For Hanger Devices	11.56	4.99
23 05 29 00-1163 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	14.38	6.08
23 05 29 00-1164 LF 3" x 2" x 3/8" Angle Iron For Hanger Devices	18.55	7.13
23 05 29 00-1165 LF 3" x 3" x 3/8" Angle Iron For Hanger Devices	22.14	8.34
23 05 29 00-1166 Channels For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1167 LF C2 x 1.78, 2" Wide Channels For Hanger Devices	9.27	4.93
23 05 29 00-1168 LF C3 x 4.1, 3" Wide Channels For Hanger Devices	15.76	7.10
23 05 29 00-1169 LF C4 x 5.4, 4" Wide Channels For Hanger Devices	19.66	8.53
23 05 29 00-1170 LF C5 x 6.7 - 5" Wide Channels For Hanger Devices	23.54	9.94
23 05 29 00-1171 LF C6 x 8.2 - 6" Wide Channels For Hanger Devices	28.49	11.94
23 05 29 00-1172 LF C7 x 9.8 - 7" Wide Channels For Hanger Devices	33.98	14.21
23 05 29 00-1173 LF C8 x 11.5 - 8" Wide Channels For Hanger Devices	38.49	15.64
23 05 29 00-1174 Structural Bar Tees For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1175 LF 3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	10.45	6.94
23 05 29 00-1176 LF 1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	12.58	8.21
23 05 29 00-1177 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	17.81	9.47
23 05 29 00-1178 LF 2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	22.95	12.63
23 05 29 00-1179 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	31.28	15.15
23 05 29 00-1180 LF 3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	39.26	19.58
23 05 29 00-1181 Structural Zees For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1182 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	17.83	9.47
23 05 29 00-1183 LF 2-1/16" x 3" x 2-1/16" Structural Zee For Hanger Devices	21.28	9.47
23 05 29 00-1184 LF 3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	31.04	9.47
23 05 29 00-1185 LF 3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	39.10	9.47
23 05 29 00-1186 LF 3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	47.48	9.47
23 05 29 00-1187 Junior I-beams For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1188 LF 3" I-beam (Junior) For Hanger Devices	22.34	13.89
23 05 29 00-1189 LF 4" I-beam (Junior) For Hanger Devices	25.63	15.15
23 05 29 00-1190 LF 5" I-beam (Junior) For Hanger Devices	29.51	16.42
23 05 29 00-1191 LF 6" I-beam (Junior) For Hanger Devices	32.25	18.31
23 05 29 00-1192 LF 7" I-beam (Junior) For Hanger Devices	38.17	19.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1193	LF		8" I-beam (Junior) For Hanger Devices	41.30	20.84
23 05 33 Heat Tracing for HVAC Piping <small>(23 05)</small>					
See CSI section 23 83 13 00-0000 for heat tracing cables.					
23 05 48 Vibration and Seismic Controls for HVAC <small>(23 05)</small>					
23 05 48 13 Vibration Controls for HVAC <small>(23 05 48)</small>					
23 05 48 13-0001			Unhoused Stable Steel Spring Isolators <small>(23 05 48 13)</small>		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.					
23 05 48 13-0002	EA		60 LB Unhoused Steel Spring Isolator	124.10	42.87
23 05 48 13-0003	EA		115 LB Unhoused Steel Spring Isolator	130.35	42.87
23 05 48 13-0004	EA		1,130 LB Unhoused Steel Spring Isolator	151.07	42.87
23 05 48 13-0005			Housed Stable Steel Spring Isolators <small>(23 05 48 13)</small>		
Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.					
Mason Industries, Inc.					
23 05 48 13-0006	EA		To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	523.14	42.87
23 05 48 13-0007	EA		To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	590.54	42.87
23 05 48 13-0008	EA		To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	624.24	42.87
23 05 48 13-0009	EA		To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	759.03	42.87
23 05 48 13-0010	EA		To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	792.73	42.87
23 05 48 13-0011	EA		To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	582.12	42.87
23 05 48 13-0012	EA		To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	641.09	42.87
23 05 48 13-0013	EA		To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	683.21	42.87
23 05 48 13-0014	EA		To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	876.97	42.87
23 05 48 13-0015	EA		To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	952.79	42.87
23 05 48 13-0016	EA		To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	1,129.71	42.87
23 05 48 13-0017			Vibration Isolators <small>(23 05 48 13)</small>		
23 05 48 13-0018			Spring And Rubber Hanger For 1" Deflection <small>(23 05 48 13-0017)</small>		
23 05 48 13-0019	EA		50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	146.86	27.57
23 05 48 13-0020	EA		600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	292.55	30.64
23 05 48 13-0021			Rubber-In-Shear Isolator Hanger <small>(23 05 48 13-0017)</small>		
23 05 48 13-0022	EA		45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	86.22	22.98
23 05 48 13-0023	EA		130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	110.40	27.57
23 05 48 13-0024			Spring Hanger For 1" Deflection <small>(23 05 48 13-0017)</small>		
23 05 48 13-0025	EA		50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	98.67	27.57
23 05 48 13-0026			Rubber-In-Shear Vibration Isolator <small>(23 05 48 13-0017)</small>		
23 05 48 13-0027	EA		45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	181.99	52.08
23 05 48 13-0028	EA		130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	237.29	52.08
23 05 48 13-0029	EA		550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	427.09	52.08
23 05 48 13-0030			Two-Piece Spring Type Vibration Isolator <small>(23 05 48 13-0017)</small>		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.					
23 05 48 13-0031	EA		50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	158.68	52.08
23 05 48 13-0032	EA		>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	162.80	52.08
23 05 48 13-0033			Open Double Spring Type Vibration Isolator <small>(23 05 48 13-0017)</small>		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.					
23 05 48 13-0034	EA		150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	114.68	26.04
23 05 48 13-0035	EA		500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	114.68	26.04
23 05 48 13-0036	EA		1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	128.42	26.04
23 05 48 13-0037	EA		1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	128.42	26.04
23 05 48 13-0038	EA		2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	190.56	26.04
23 05 48 13-0039			Isolation Pads <small>(23 05 48 13-0017)</small>		
23 05 48 13-0040			Laminated Neoprene And Cork Isolation Pad <small>(23 05 48 13-0039)</small>		
23 05 48 13-0041	EA		2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	8.98	3.83
23 05 48 13-0042	EA		3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	11.14	3.98
23 05 48 13-0043	EA		4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	13.65	4.13
23 05 48 13-0044	EA		12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	49.48	4.75
23 05 48 13-0045	EA		18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	93.23	5.36
23 05 48 13-0046			Neoprene And Steel Plate Isolation Pad <small>(23 05 48 13-0039)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0047 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	196.55	3.83
23 05 48 13-0048 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	217.47	3.83
23 05 48 13-0049 Neoprene Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0050 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	8.47	3.83
23 05 48 13-0051 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	9.51	3.83
23 05 48 13-0052 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	11.15	3.83
23 05 48 13-0053 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	48.71	4.60
23 05 48 13-0054 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	87.74	5.36
23 05 48 13-0055 Threaded Flexible Bronze Hose Connectors (23 05 48 13)		
Note: Includes hex threaded nipple ends.		
23 05 48 13-0056 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	84.90	24.50
23 05 48 13-0057 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	102.09	33.69
23 05 48 13-0058 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	124.98	41.36
23 05 48 13-0059 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	146.01	49.02
23 05 48 13-0060 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	168.03	64.33
23 05 48 13-0061 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	189.76	68.48
23 05 48 13-0062 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	251.68	81.19
23 05 48 13-0063 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	341.96	126.52
23 05 48 13-0064 Weld End Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0065 EA 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	292.78	87.92
23 05 48 13-0066 EA 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	340.29	96.50
23 05 48 13-0067 EA 1" Diameter x 10" Flexible Hose Connection, Weld Ends	381.38	102.17
23 05 48 13-0068 EA 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	427.16	116.42
23 05 48 13-0069 EA 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	482.48	125.61
23 05 48 13-0070 EA 2" Diameter x 14" Flexible Hose Connection, Weld Ends	607.51	163.44
23 05 48 13-0071 EA 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	893.10	183.82
23 05 48 13-0072 EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends	1,095.60	206.79
23 05 48 13-0073 EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,523.57	306.36
23 05 48 13-0074 Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0075 Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0074)		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	258.55	114.88
23 05 48 13-0077 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	281.03	127.60
23 05 48 13-0078 EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	476.07	254.89
23 05 48 13-0079 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	671.03	379.12
23 05 48 13-0080 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	871.02	489.40
23 05 48 13-0081 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,061.91	508.90
23 05 48 13-0082 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,276.16	581.24
23 05 48 13-0083 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,628.26	691.70
23 05 48 13-0084 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	4,241.68	865.14
23 05 48 13-0085 Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0074)		
Note: With braided metal wire.		
23 05 48 13-0086 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	207.27	104.46
23 05 48 13-0087 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	218.09	143.68
23 05 48 13-0088 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	385.43	191.47
23 05 48 13-0089 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	515.64	287.21
23 05 48 13-0090 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	557.40	316.00
23 05 48 13-0091 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	653.71	382.64
23 05 48 13-0092 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	837.12	489.87
23 05 48 13-0093 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,133.86	609.47
23 05 48 13-0094 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,771.32	814.25
23 05 48 13-0095 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,078.08	941.55
23 05 48 13-0096 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,596.95	1,017.81
23 05 48 13-0097 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0074)		
Note: 150 PSI.		
23 05 48 13-0098 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,010.78	222.11
23 05 48 13-0099 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,137.72	260.40
23 05 48 13-0100 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,740.09	437.65



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes sections for Flexible Hose Connectors Braided Metal Hose Type and Braided Stainless Steel Flexible Hose Connectors.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0163	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	233.32	10.86
23 05 48 13-0164	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	272.78	10.57
23 05 48 13-0165	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	361.32	14.10
23 05 48 13-0166	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	439.80	14.10
23 05 48 13-0167	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	520.51	14.10
23 05 48 13-0168	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	391.58	20.55
23 05 48 13-0169	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	571.47	20.69
23 05 48 13-0170	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	766.11	27.25
23 05 48 13-0171	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	946.08	27.25
23 05 48 13-0172	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,126.00	27.25
23 05 48 13-0173	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	666.87	22.67
23 05 48 13-0174	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	802.98	22.67
23 05 48 13-0175	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,088.02	29.47
23 05 48 13-0176	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,358.02	29.47
23 05 48 13-0177	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,627.95	29.47
23 05 48 13-0178	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	716.33	28.34
23 05 48 13-0179	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,056.61	28.34
23 05 48 13-0180	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,414.69	36.90
23 05 48 13-0181	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,756.15	36.90
23 05 48 13-0182	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,096.18	36.90
23 05 48 13-0183	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,410.51	34.26
23 05 48 13-0184	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,835.17	34.26
23 05 48 13-0185	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,297.44	46.10
23 05 48 13-0186	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,725.83	46.10
23 05 48 13-0187	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,156.22	46.10
23 05 48 13-0188		Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0103)		
		Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0189	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	694.89	6.63
23 05 48 13-0190	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,209.00	187.93
23 05 48 13-0191	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,503.44	187.93
23 05 48 13-0192	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,797.87	187.93
23 05 48 13-0193	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,092.43	187.93
23 05 48 13-0194	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,070.84	239.67
23 05 48 13-0195	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,381.11	239.67
23 05 48 13-0196	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,691.49	239.67
23 05 48 13-0197	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,002.00	239.67
23 05 48 13-0198	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,307.07	239.67
23 05 48 13-0199	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,453.14	401.80
23 05 48 13-0200	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,815.30	402.80
23 05 48 13-0201	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,183.35	401.80
23 05 48 13-0202	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,594.85	401.80
23 05 48 13-0203	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,909.28	401.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0204 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,313.02	513.66
23 05 48 13-0205 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,133.59	513.66
23 05 48 13-0206 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,954.62	515.51
23 05 48 13-0207 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,775.30	513.66
23 05 48 13-0208 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,595.87	513.66
23 05 48 13-0209 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,888.91	579.33
23 05 48 13-0210 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,509.68	579.33
23 05 48 13-0211 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,740.47	579.33
23 05 48 13-0212 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,971.73	579.33
23 05 48 13-0213 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	8,202.41	579.33
23 05 48 13-0214 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,529.99	705.26
23 05 48 13-0215 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	8,076.61	705.26
23 05 48 13-0216 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	9,633.62	705.26
23 05 48 13-0217 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	11,187.28	705.26
23 05 48 13-0218 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	12,442.92	705.26
23 05 48 13-0219 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	8,936.72	856.39
23 05 48 13-0220 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	10,899.34	856.39
23 05 48 13-0221 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	12,861.84	856.39
23 05 48 13-0222 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	14,824.34	856.39
23 05 48 13-0223 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	16,786.95	856.39

23 05 53 Identification for HVAC Piping and Equipment (23 05)

23 05 53 00-0001 Systems Identification (23 05 53)

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker.....	22.80
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker.....	23.19
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker.....	23.39
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	23.74
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	27.12
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker.....	27.81
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	42.28
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker.....	42.83
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	43.41
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker.....	43.72
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	44.05
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker.....	44.39
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker.....	46.40
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker.....	46.77
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker.....	56.70
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker.....	58.92
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker.....	68.11
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker.....	78.03

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.91
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	17.68
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	19.22
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	19.52
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.73
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	21.19
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	23.65
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	24.25
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	24.71
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	25.18
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	26.13
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	27.17
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	28.07

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 53 Identification for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	28.96	
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	31.71	
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	33.39	
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	38.84	
23 05 53 00-0039 Valve Identification Tag <small>(23 05 53 00-0001)</small> Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass.....	14.99	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic.....	14.24	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass	14.01	
23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment <small>(23 05)</small>		
23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0002 EA 18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	1,068.70	102.60
Note: Includes tube.		
23 05 66 00-0003 EA 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	1,115.77	107.68
Note: Includes tube.		
23 05 66 00-0004 EA 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	1,119.95	112.29
Note: Includes tube.		
23 05 66 00-0005 EA 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	1,172.23	117.99
Note: Includes tube.		
23 05 66 00-0006 EA 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	1,267.53	123.05
Note: Includes tube.		
23 05 66 00-0007 EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	1,160.03	126.90
Note: Includes tube.		
23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0009 EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	889.92	71.06
Note: Includes tube.		
23 05 66 00-0010 EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	902.85	76.91
Note: Includes tube.		
23 05 66 00-0011 EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	926.29	81.52
Note: Includes tube.		
23 05 66 00-0012 EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)	938.49	87.68
Note: Includes tube.		
23 05 66 00-0013 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)	962.68	92.29
Note: Includes tube.		
23 05 66 00-0014 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)	980.87	96.91
Note: Includes tube.		
23 05 66 00-0015 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)	1,004.31	103.06
Note: Includes tube.		
23 05 66 00-0016 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)	1,012.20	71.06
Note: Includes tube.		
23 05 66 00-0017 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)	1,025.13	76.91
Note: Includes tube.		
23 05 66 00-0018 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)	1,048.57	81.52
Note: Includes tube.		
23 05 66 00-0019 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)	1,060.77	87.68
Note: Includes tube.		
23 05 66 00-0020 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO)	1,084.96	92.29
Note: Includes tube.		
23 05 66 00-0021 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO)	1,103.15	96.91
Note: Includes tube.		
23 05 66 00-0022 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO)	1,126.59	103.06
Note: Includes tube.		
23 05 66 00-0023 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO)	711.44	76.91
Note: Includes tube.		
23 05 66 00-0024 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO)	734.88	81.52
Note: Includes tube.		
23 05 66 00-0025 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO)	747.08	87.68
Note: Includes tube.		
23 05 66 00-0026 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO)	771.27	92.29
Note: Includes tube.		
23 05 66 00-0027 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO)	789.46	96.91
Note: Includes tube.		
23 05 66 00-0028 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO)	812.90	103.06
Note: Includes tube.		
23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0030 EA 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)	665.38	98.44
Note: Includes tube.		
23 05 66 00-0031 EA 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)	680.67	103.06
Note: Includes tube.		
23 05 66 00-0032 EA 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)	695.95	107.68
Note: Includes tube.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 66 00-0033	EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	716.17	112.29
	23 05 66 00-0034	EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	742.00	117.99
	23 05 66 00-0035	EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	764.87	123.05
	23 05 66 00-0036	Ultraviolet HVAC Microbial Control Replacement Parts <small>(23 05 66)</small>		
	23 05 66 00-0037	EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	175.87	
	23 05 66 00-0038	EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	184.85	
	23 05 66 00-0039	EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	209.60	
	23 05 66 00-0040	EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	241.38	
	23 05 66 00-0041	EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	273.86	
	23 05 66 00-0042	EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	269.19	
	23 05 66 00-0043	EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	128.34	
	23 05 66 00-0044	EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	135.13	
	23 05 66 00-0045	EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	152.41	
	23 05 66 00-0046	EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	158.46	
	23 05 66 00-0047	EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	176.49	
	23 05 66 00-0048	EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	188.53	
	23 05 66 00-0049	EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	205.82	
	23 05 66 00-0050	EA Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	510.09	
	23 05 66 00-0051	Ultraviolet HVAC Microbial Control Mounting Accessories <small>(23 05 66)</small>		
	23 05 66 00-0052	EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	737.25	
	23 05 66 00-0053	EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)..... Note: Includes 61" emitter, power supply, wires and connectors.	933.06	
	23 05 66 00-0054	EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)..... Note: Includes power supply, wires and connectors. Excludes emitter.	438.94	
	23 05 66 00-0055	EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)..... Note: Includes power supply, wires and connectors. Excludes emitter.	462.92	
	23 05 66 00-0056	EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)..... Note: Includes power supply, wires and connectors. Excludes emitter.	576.12	
	23 05 66 00-0057	EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)..... Note: Includes power supply, wires and connectors. Excludes emitter.	365.62	
	23 05 66 00-0058	EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)..... Note: Includes power supply, wires and connectors. Excludes emitter.	395.10	
	23 05 66 00-0059	EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)..... Note: Includes power supply, wires and connectors. Excludes emitter.	520.49	
	23 05 66 00-0060	EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)..... Note: Includes power supply, wires and connectors. Excludes emitter.	513.68	
	23 05 66 00-0061	LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	19.46	
	23 05 66 00-0062	EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111).....	66.40	
	23 05 66 00-0063	EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112).....	23.60	
	23 05 66 00-0064	EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	22.41	
	23 05 66 00-0065	EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	61.54	
	23 05 66 00-0066	EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	69.93	
	23 05 66 00-0067	EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	62.37	
	23 05 66 00-0068	EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115).....	51.03	
	23 05 66 00-0069	EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	48.33	
	23 05 66 00-0070	EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	27.16	
	23 05 66 00-0071	EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	54.06	
	23 05 66 00-0072	EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	27.27	
	23 05 66 00-0073	EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	103.45	
	23 05 66 00-0074	EA Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	108.53	
	23 05 66 00-0075	Ultraviolet Duct Disinfection Unit (eLEDLights) <small>(23 05 66)</small>		
	23 05 66 00-0076	EA Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1).....	1,481.03	142.29
	23 05 66 00-0077	EA Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1).....	1,653.18	149.97
	23 05 66 00-0078	EA Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1).....	1,717.51	161.51
	23 05 66 00-0079	EA Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1).....	1,798.34	173.05
	23 05 66 00-0080	EA Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1).....	1,854.43	184.58
	23 05 66 00-0081	EA Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1).....	2,224.62	192.28
	23 05 66 00-0082	EA Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1).....	2,212.63	149.97
	23 05 66 00-0083	EA Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1).....	2,301.71	161.51
	23 05 66 00-0084	EA Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1).....	2,654.84	173.05
	23 05 66 00-0085	EA Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1).....	2,760.43	184.58
	23 05 66 00-0086	Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) <small>(23 05 66)</small> Note: Includes 2 Year Warranty		
	23 05 66 00-0087	EA Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-218D-HO).....	1,093.95	149.97
	23 05 66 00-0088	EA Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-218Q-HO).....	1,797.95	149.97
	23 05 66 00-0089	EA Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-218H-HO).....	2,502.89	149.97
	23 05 66 00-0090	EA Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-224D-HO).....	1,128.40	161.51
	23 05 66 00-0091	EA Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-224Q-HO).....	1,841.86	161.51

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0092	EA		Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224H-HO).....	2,556.28	161.51
23 05 66 00-0093	EA		Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232D-HO).....	1,160.94	173.05
23 05 66 00-0094	EA		Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232Q-HO).....	1,885.78	173.05
23 05 66 00-0095	EA		Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232H-HO).....	2,609.67	173.05
23 05 66 00-0096	EA		Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246D-HO).....	1,285.62	192.28
23 05 66 00-0097	EA		Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246Q-HO).....	2,079.63	192.28
23 05 66 00-0098	EA		Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246H-HO).....	2,873.63	192.28
23 05 66 00-0099	EA		Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260D-HO).....	1,497.47	211.51
23 05 66 00-0100	EA		Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260Q-HO).....	2,465.82	211.51
23 05 66 00-0101	EA		Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260H-HO).....	3,433.22	211.51

23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002	EA	Balancing Centrifugal Fans.....	614.34	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-307.17	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units.....	767.62	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-383.81	
23 05 93 00-0004	EA	Balancing In Line Fan.....	691.14	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-345.57	
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan.....	153.58	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-76.79	
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan.....	460.72	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-230.36	
23 05 93 00-0007	EA	Balancing Wall Fan.....	115.16	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-57.58	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust.....	613.37	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-306.69	

23 05 93 00-0009 Air Conditioning Equipment (23 05 93)

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit.....	1,128.31	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-564.16	
23 05 93 00-0011	EA	Balancing Package A/C Unit.....	423.12	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-211.56	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit.....	564.16	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-282.08	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit.....	1,974.55	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-987.28	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser.....	115.20	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-57.60	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	191.98	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-95.99	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser.....	99.84	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-49.92	
23 05 93 00-0018	EA	Balance Variable Air Volume Box.....	108.16	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-54.08	
23 05 93 00-0019	EA	Balance Constant Volume Box.....	108.16	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-54.08	
23 05 93 00-0020	EA	Balance Fan Powered Box.....	122.86	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-61.43	
23 05 93 00-0021	EA	Balance Lab Fume Hood.....	499.18	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-249.59	
23 05 93 00-0022	EA	Balance General Hood.....	383.96	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-191.98	
23 05 93 00-0023	EA	Balance Induction Unit.....	230.39	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-115.20	
23 05 93 00-0024	EA	Balance Moduline - Master.....	92.13	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-46.07	
23 05 93 00-0025	EA	Balance Moduline - Slave.....	46.07	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-23.04	
23 05 93 00-0026	EA	Balance Dampers.....	42.78	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-21.39	
23 05 93 00-0027	EA	Balance Regenerators.....	613.37	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-306.69	

23 05 93 00-0028 Water Balancing Of Components (23 05 93)

23 05 93 00-0029	EA	Water Balance, Air Cool Condenser.....	775.79	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-387.90	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater.....	98.73	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-49.37	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled.....	846.17	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-423.09	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled.....	1,128.31	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-564.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0033 EA Water Balance, Cooling Tower	564.16	
For Testing Of Unit Without Balancing, Deduct	-282.08	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent	141.12	
For Testing Of Unit Without Balancing, Deduct	-70.56	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel	141.04	
For Testing Of Unit Without Balancing, Deduct	-70.52	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil	155.14	
For Testing Of Unit Without Balancing, Deduct	-77.57	
23 05 93 00-0037 EA Water Balance, Pumps	423.13	
For Testing Of Unit Without Balancing, Deduct	-211.57	
23 05 93 00-0038 EA Water Balance, Unit Heater	98.73	
For Testing Of Unit Without Balancing, Deduct	-49.37	
23 05 93 00-0039 EA Water Balancing, Converter	423.29	
For Testing Of Unit Without Balancing, Deduct	-211.65	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves	70.51	
For Testing Of Unit Without Balancing, Deduct	-35.26	
23 05 93 00-0041 EA Water Balance, Convectur	84.61	
For Testing Of Unit Without Balancing, Deduct	-42.31	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	105.78	
For Testing Of Unit Without Balancing, Deduct	-52.89	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH	916.75	
For Testing Of Unit Without Balancing, Deduct	-458.38	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler	1,692.47	
For Testing Of Unit Without Balancing, Deduct	-846.24	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler	3,102.87	
For Testing Of Unit Without Balancing, Deduct	-1,551.44	
23 05 93 00-0046 Non-Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 Minimum Charge For X-Ray Welds (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge	1,023.00	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	115.90	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non-Destructive Testing	131.93	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	147.98	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non-Destructive Testing	156.36	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non-Destructive Testing	164.74	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non-Destructive Testing	173.85	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non-Destructive Testing	190.61	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non-Destructive Testing	207.37	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non-Destructive Testing	216.47	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non-Destructive Testing	225.58	
23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	136.60	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	144.26	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	151.91	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	155.74	
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	161.49	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	167.24	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	178.72	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	190.21	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	201.70	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	213.19	
23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)		
Note: Includes flushing and restoring of system.		
23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	1,007.75	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,439.64	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,724.98	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,297.68	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	3,481.32	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,339.91	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,914.73	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	2,279.44	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,986.95	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	4,518.74	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,746.24	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing	2,489.15	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,625.95	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	3,440.21	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	5,204.41	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing	2,267.05	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing	3,232.04	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing	3,414.41	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	4,478.37	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	6,785.43	
23 05 93 00-0095 Pneumatic Testing <small>(23 05 93 00-0046)</small> Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096 Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>		
23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing	1,146.14	
Note: Includes soaping joints.		
23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	1,635.38	
Note: Includes soaping joints.		
23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,766.29	
Note: Includes soaping joints.		
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing	2,262.50	
Note: Includes soaping joints.		
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing	3,539.16	
Note: Includes soaping joints.		
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing	1,495.54	
Note: Includes soaping joints.		
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing	2,123.56	
Note: Includes soaping joints.		
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing	2,295.99	
Note: Includes soaping joints.		
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing	2,941.83	
Note: Includes soaping joints.		
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing	4,600.19	
Note: Includes soaping joints.		
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing	1,800.71	
Note: Includes soaping joints.		
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing	2,541.16	
Note: Includes soaping joints.		
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing	2,875.14	
Note: Includes soaping joints.		
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing	3,673.95	
Note: Includes soaping joints.		
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing	5,753.36	
Note: Includes soaping joints.		
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing	2,344.69	
Note: Includes soaping joints.		
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing	3,303.75	
Note: Includes soaping joints.		
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing	3,738.86	
Note: Includes soaping joints.		
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing	4,777.13	
Note: Includes soaping joints.		
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing	7,491.53	
Note: Includes soaping joints.		
23 05 93 00-0117 EPA Testing Of Sludge <small>(23 05 93)</small>		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead	1,064.37	
23 05 93 00-0119 EA Air Test/Combustion Gas Level	110.40	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals	1,632.68	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water	1,239.30	

23 07 HVAC Insulation (23)**23 07 13 Duct Insulation** (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13)</small>		
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.		
23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		
23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.74	2.92
For Plain Blanket, With No Facing, Deduct	-0.34	
For Work In Restricted Working Space, Add	1.16	
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.54	2.92
For Plain Blanket, With No Facing, Deduct	-0.40	
For Work In Restricted Working Space, Add	1.37	
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	6.28	4.36
For Plain Blanket, With No Facing, Deduct	-0.43	
For Work In Restricted Working Space, Add	1.56	
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	7.42	5.10
For Plain Blanket, With No Facing, Deduct	-0.54	
For Work In Restricted Working Space, Add	1.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.67 -0.84 1.97	5.53
23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		
23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.85 -0.40 1.46	4.36
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.81 -0.48 1.68	5.10
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.04 -0.57 1.99	5.82
23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		
23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.53 -0.67 1.76	5.82
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.61 -1.17 2.00	6.56
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.21 -1.38 2.33	7.28
23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation <small>(23 07 13)</small>		
<i>Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.</i>		
23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.58 31.49 23.28 19.20 3.88	7.53
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.25 38.82 29.05 23.87 4.72	9.16
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.37 47.23 35.61 29.19 5.69	11.06
23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <small>(23 07 13)</small>		
<i>Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.</i>		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	15.19 4.27	8.29
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	19.45 5.19	10.08
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	24.66 6.26	12.17
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation <small>(23 07 13)</small>		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation	10.03	3.93
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation	10.70	4.15
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation	13.67	4.36
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation	15.60	4.58
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation	21.14	5.03
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation	24.83	5.46
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation <small>(23 07 13)</small>		
<i>Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.</i>		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.27	4.15
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.63	4.36
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.31	4.58
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	26.27	5.03
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	30.96	5.46
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation <small>(23 07 13)</small>		
<i>Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.</i>		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.81	4.15
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.17	4.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.30	4.58
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	29.23	5.03

23 07 16 HVAC Equipment Insulation (23 07)

23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation	21.54	9.05
<i>For Work In Restricted Working Space, Add</i>	5.43	
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation	25.53	10.18
<i>For Work In Restricted Working Space, Add</i>	6.11	
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation	30.46	11.74
<i>For Work In Restricted Working Space, Add</i>	7.07	
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation	36.19	13.79
<i>For Work In Restricted Working Space, Add</i>	8.27	
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation	44.27	16.97
<i>For Work In Restricted Working Space, Add</i>	10.18	

23 07 19 HVAC Piping Insulation (23 07)

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0594 for protective jacketing.		
23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.41	4.79
<i>For Work In Restricted Working Space, Add</i>	3.59	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.41	4.79
<i>For Work In Restricted Working Space, Add</i>	3.59	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.35	4.86
<i>For Work In Restricted Working Space, Add</i>	3.64	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.61	4.93
<i>For Work In Restricted Working Space, Add</i>	3.69	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.83	5.00
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.99	5.13
<i>For Work In Restricted Working Space, Add</i>	3.85	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.85	5.34
<i>For Work In Restricted Working Space, Add</i>	4.00	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	20.69	5.48
<i>For Work In Restricted Working Space, Add</i>	4.11	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	23.48	5.89
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	26.19	6.65
<i>For Work In Restricted Working Space, Add</i>	4.99	
23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.21	4.99
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.31	4.99
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.57	5.28
<i>For Work In Restricted Working Space, Add</i>	3.96	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.31	5.38
<i>For Work In Restricted Working Space, Add</i>	4.04	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	21.08	5.48
<i>For Work In Restricted Working Space, Add</i>	4.11	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.58	5.78
<i>For Work In Restricted Working Space, Add</i>	4.34	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.58	5.88
<i>For Work In Restricted Working Space, Add</i>	4.41	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.47	6.08
<i>For Work In Restricted Working Space, Add</i>	4.56	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	27.18	6.58
<i>For Work In Restricted Working Space, Add</i>	4.93	
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	31.54	7.67
<i>For Work In Restricted Working Space, Add</i>	5.76	
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	36.61	8.10
<i>For Work In Restricted Working Space, Add</i>	6.08	
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	45.90	9.69
<i>For Work In Restricted Working Space, Add</i>	7.27	
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	53.93	11.29
<i>For Work In Restricted Working Space, Add</i>	8.47	
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	59.98	12.38
<i>For Work In Restricted Working Space, Add</i>	9.28	
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	71.90	15.76
<i>For Work In Restricted Working Space, Add</i>	11.81	
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	77.31	16.54
<i>For Work In Restricted Working Space, Add</i>	12.41	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0031	LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	22.77	5.48
	<i>For Work In Restricted Working Space, Add</i>		4.11	
23 07 19 00-0032	LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	23.26	5.48
	<i>For Work In Restricted Working Space, Add</i>		4.11	
23 07 19 00-0033	LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	23.95	5.55
	<i>For Work In Restricted Working Space, Add</i>		4.16	
23 07 19 00-0034	LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	24.85	5.62
	<i>For Work In Restricted Working Space, Add</i>		4.21	
23 07 19 00-0035	LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	25.50	5.68
	<i>For Work In Restricted Working Space, Add</i>		4.27	
23 07 19 00-0036	LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	26.57	5.89
	<i>For Work In Restricted Working Space, Add</i>		4.42	
23 07 19 00-0037	LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	29.49	6.10
	<i>For Work In Restricted Working Space, Add</i>		4.58	
23 07 19 00-0038	LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	30.07	6.31
	<i>For Work In Restricted Working Space, Add</i>		4.73	
23 07 19 00-0039	LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	33.17	6.66
	<i>For Work In Restricted Working Space, Add</i>		4.99	
23 07 19 00-0040	LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	40.57	7.98
	<i>For Work In Restricted Working Space, Add</i>		5.99	
23 07 19 00-0041	LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	45.62	8.43
	<i>For Work In Restricted Working Space, Add</i>		6.32	
23 07 19 00-0042	LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	56.06	10.09
	<i>For Work In Restricted Working Space, Add</i>		7.57	
23 07 19 00-0043	LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	64.46	12.08
	<i>For Work In Restricted Working Space, Add</i>		9.06	
23 07 19 00-0044	LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	79.82	16.85
	<i>For Work In Restricted Working Space, Add</i>		12.64	
23 07 19 00-0045	LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	83.67	16.85
	<i>For Work In Restricted Working Space, Add</i>		12.64	
23 07 19 00-0046	LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	89.54	17.70
	<i>For Work In Restricted Working Space, Add</i>		13.27	
23 07 19 00-0047	LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	106.36	20.23
	<i>For Work In Restricted Working Space, Add</i>		15.17	
23 07 19 00-0048	LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	.....	124.23	24.44
	<i>For Work In Restricted Working Space, Add</i>		18.33	
23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0050	LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	27.22	6.31
	<i>For Work In Restricted Working Space, Add</i>		4.74	
23 07 19 00-0051	LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	27.73	6.31
	<i>For Work In Restricted Working Space, Add</i>		4.74	
23 07 19 00-0052	LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	28.21	6.42
	<i>For Work In Restricted Working Space, Add</i>		4.82	
23 07 19 00-0053	LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	28.47	6.47
	<i>For Work In Restricted Working Space, Add</i>		4.85	
23 07 19 00-0054	LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	29.15	6.52
	<i>For Work In Restricted Working Space, Add</i>		4.89	
23 07 19 00-0055	LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	30.38	6.79
	<i>For Work In Restricted Working Space, Add</i>		5.09	
23 07 19 00-0056	LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	33.91	7.02
	<i>For Work In Restricted Working Space, Add</i>		5.27	
23 07 19 00-0057	LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	34.52	7.27
	<i>For Work In Restricted Working Space, Add</i>		5.45	
23 07 19 00-0058	LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	39.58	7.66
	<i>For Work In Restricted Working Space, Add</i>		5.75	
23 07 19 00-0059	LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	48.94	8.71
	<i>For Work In Restricted Working Space, Add</i>		6.53	
23 07 19 00-0060	LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	55.76	9.70
	<i>For Work In Restricted Working Space, Add</i>		7.28	
23 07 19 00-0061	LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	66.43	11.19
	<i>For Work In Restricted Working Space, Add</i>		8.39	
23 07 19 00-0062	LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	77.66	13.92
	<i>For Work In Restricted Working Space, Add</i>		10.43	
23 07 19 00-0063	LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	85.83	15.19
	<i>For Work In Restricted Working Space, Add</i>		11.39	
23 07 19 00-0064	LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	104.60	19.42
	<i>For Work In Restricted Working Space, Add</i>		14.56	
23 07 19 00-0065	LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	110.42	20.38
	<i>For Work In Restricted Working Space, Add</i>		15.29	
23 07 19 00-0066	LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	127.95	23.30
	<i>For Work In Restricted Working Space, Add</i>		17.48	
23 07 19 00-0067	LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	.....	150.65	28.15
	<i>For Work In Restricted Working Space, Add</i>		21.11	
23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0069	LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	.....	33.94	6.99
	<i>For Work In Restricted Working Space, Add</i>		5.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.05	6.99
<i>For Work In Restricted Working Space, Add</i>	5.24	
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.36	7.07
<i>For Work In Restricted Working Space, Add</i>	5.30	
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.70	7.11
<i>For Work In Restricted Working Space, Add</i>	5.33	
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.03	7.19
<i>For Work In Restricted Working Space, Add</i>	5.39	
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	36.24	7.45
<i>For Work In Restricted Working Space, Add</i>	5.59	
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	39.98	7.71
<i>For Work In Restricted Working Space, Add</i>	5.78	
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	40.83	7.98
<i>For Work In Restricted Working Space, Add</i>	5.99	
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	47.74	8.44
<i>For Work In Restricted Working Space, Add</i>	6.32	
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	56.46	9.57
<i>For Work In Restricted Working Space, Add</i>	7.18	
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	65.41	10.67
<i>For Work In Restricted Working Space, Add</i>	8.00	
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	77.54	12.32
<i>For Work In Restricted Working Space, Add</i>	9.23	
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	90.00	15.30
<i>For Work In Restricted Working Space, Add</i>	11.48	
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	99.79	16.71
<i>For Work In Restricted Working Space, Add</i>	12.53	
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	117.48	21.36
<i>For Work In Restricted Working Space, Add</i>	16.01	
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	126.44	22.42
<i>For Work In Restricted Working Space, Add</i>	16.82	
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	147.81	25.64
<i>For Work In Restricted Working Space, Add</i>	19.23	
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	175.09	30.97
<i>For Work In Restricted Working Space, Add</i>	23.23	
23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.75	7.66
<i>For Work In Restricted Working Space, Add</i>	5.75	
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	44.24	7.66
<i>For Work In Restricted Working Space, Add</i>	5.75	
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	44.36	7.71
<i>For Work In Restricted Working Space, Add</i>	5.78	
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	44.50	7.76
<i>For Work In Restricted Working Space, Add</i>	5.82	
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	45.84	7.86
<i>For Work In Restricted Working Space, Add</i>	5.90	
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	48.56	8.12
<i>For Work In Restricted Working Space, Add</i>	6.09	
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	52.56	8.41
<i>For Work In Restricted Working Space, Add</i>	6.31	
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	54.43	8.71
<i>For Work In Restricted Working Space, Add</i>	6.53	
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	61.71	9.20
<i>For Work In Restricted Working Space, Add</i>	6.90	
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	68.93	10.45
<i>For Work In Restricted Working Space, Add</i>	7.84	
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	83.51	11.64
<i>For Work In Restricted Working Space, Add</i>	8.73	
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	101.21	13.43
<i>For Work In Restricted Working Space, Add</i>	10.07	
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	122.70	16.69
<i>For Work In Restricted Working Space, Add</i>	12.52	
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	129.51	18.23
<i>For Work In Restricted Working Space, Add</i>	13.67	
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	151.83	23.30
<i>For Work In Restricted Working Space, Add</i>	17.47	
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	173.50	24.46
<i>For Work In Restricted Working Space, Add</i>	18.35	
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	187.85	27.97
<i>For Work In Restricted Working Space, Add</i>	20.98	
23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	52.97	8.51
<i>For Work In Restricted Working Space, Add</i>	6.38	
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	53.02	8.51
<i>For Work In Restricted Working Space, Add</i>	6.38	
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	53.39	8.66
<i>For Work In Restricted Working Space, Add</i>	6.49	
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	54.80	8.76
<i>For Work In Restricted Working Space, Add</i>	6.57	
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	57.95	9.03
<i>For Work In Restricted Working Space, Add</i>	6.77	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation' and '23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation'.

23 08 Commissioning of HVAC (23)

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC (23)

23 09 23 Direct-Digital Control System for HVAC (23 09)

23 09 23 11 Control Valves (23 09 23)

23 09 23 11-0001 Valves With Actuator (23 09 23 11)

Table listing various valve types and actuators with their corresponding unit costs. Examples include 'EA 1/2" 2-Way Bronze Globe Valve With Actuator' and 'EA 1/2" 3-Way Brass Ball Valve With Actuator'.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	854.10	83.55
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	715.53	102.12
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	753.57	111.40
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	982.10	130.36
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,510.06	218.83
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,952.94	276.71
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,123.10	306.36
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,212.90	350.12
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,168.51	428.90
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,382.16	519.88
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,110.56	612.71
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	9,331.51	673.99
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	11,273.55	748.74
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,303.41	153.18
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,528.35	167.11
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,881.14	195.54
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,453.95	328.24
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,890.92	415.07
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,079.44	459.53
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,374.89	525.23
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	8,411.18	643.35
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	10,222.62	779.82
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	15,796.95	919.07
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	17,607.18	1,010.97
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	26,872.86	1,123.11

23 09 23 11-0068 Valve Actuators (23 09 23 11)

23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	555.94	126.55
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	563.00	126.55
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	678.75	126.55
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	621.67	126.55
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	631.98	126.55
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	699.67	126.55
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	837.07	126.55
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	853.22	126.55
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	892.17	126.55
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	662.25	126.55
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	743.96	126.55
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	666.13	126.55
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	676.46	126.55
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	680.33	126.55
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	750.58	126.55
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	780.88	126.55
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	796.98	126.55
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	793.78	126.55
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	804.08	126.55
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	803.43	126.55
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	870.28	126.55
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	1,039.36	126.55
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	715.77	126.55
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	839.55	126.55
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,810.26	126.55
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,021.67	126.55
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,412.92	126.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0096 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,724.25	126.55
23 09 23 11-0097 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	3,212.19	126.55
23 09 23 11-0098 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,771.69	126.55
23 09 23 11-0099 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	5,058.25	126.55
23 09 23 11-0100 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	6,159.81	126.55

23 09 23 12 Control Dampers (23 09 23)

23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)

Note: Excludes actuators.

23 09 23 12-0002 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	229.36	47.62
23 09 23 12-0003 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	258.16	52.22
23 09 23 12-0004 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	288.47	57.60
23 09 23 12-0005 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	333.77	67.58
23 09 23 12-0006 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	377.54	76.80
23 09 23 12-0007 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	384.06	86.40
23 09 23 12-0008 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	468.79	96.00
23 09 23 12-0009 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	560.00	115.20
23 09 23 12-0010 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	715.67	134.38
23 09 23 12-0011 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	1,050.91	153.58
23 09 23 12-0012 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,899.60	172.78
23 09 23 12-0013 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,406.02	191.98

23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)

Note: Excludes actuators.

23 09 23 12-0015 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	224.79	53.76
23 09 23 12-0016 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	232.57	57.60
23 09 23 12-0017 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	241.97	57.60
23 09 23 12-0018 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	268.93	65.28
23 09 23 12-0019 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	303.79	65.28
23 09 23 12-0020 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	331.06	76.80
23 09 23 12-0021 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	444.25	80.83
23 09 23 12-0022 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	464.24	83.78
23 09 23 12-0023 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	493.09	90.33
23 09 23 12-0024 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	522.48	96.86

23 09 23 12-0025 Remote Damper Control (23 09 23 12)

23 09 23 12-0026 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	337.86	
<i>For Each 10' Flexible Casing And Wire, Add</i>	41.07	
23 09 23 12-0027 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	346.26	
<i>For Each 10' Flexible Casing And Wire, Add</i>	41.07	

23 09 23 13 Energy Meters (23 09 23)

23 09 23 13-0001 Surge Protectors (23 09 23 13)

23 09 23 13-0002 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	358.82	12.32
23 09 23 13-0003 EA Surge Protector, 1AC Outlet (Transtector TR2251).....	272.27	12.32
23 09 23 13-0004 EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	421.19	12.32
23 09 23 13-0005 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	230.01	12.32
23 09 23 13-0006 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	230.01	12.32
23 09 23 13-0007 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	230.01	12.32
23 09 23 13-0008 EA Surge Protector, Individual Wire Connection (Transtector TR2258).....	330.65	12.32
23 09 23 13-0009 EA Surge Protector, Trane Communication Links (Transtector TR2257).....	205.86	12.32

23 09 23 14 Flow Instruments (23 09 23)

23 09 23 14-0001 Water Flow Meters (23 09 23 14)

23 09 23 14-0002 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	5,349.02	135.34
Note: Excludes pipe fittings.		

23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)

23 09 23 14-0004 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	4,213.15	147.44
Note: 10' cable, 36" x 24" typical duct size.		
23 09 23 14-0005 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	6,020.47	147.44
Note: 10' cable, 48" x 36" typical duct size.		
23 09 23 14-0006 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	7,476.66	147.44
Note: 10' cable, 60" x 48" typical duct size.		

23 09 23 16 Gas Instruments (23 09 23)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 16-0001 Gas Sensors (23 09 23 16)		
23 09 23 16-0002 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	2,226.09	73.93
23 09 23 16-0003 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	990.90	49.29
23 09 23 16-0004 EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,776.08	73.93
Note: Solid state sensor.		
23 09 23 16-0005 EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	986.47	88.72
23 09 23 19 Moisture Instruments (23 09 23)		
23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)		
23 09 23 19-0002 EA 3% Duct Mounted RH Sensor (Kele HD30K).....	629.68	88.72
23 09 23 19-0003 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	645.76	88.72
23 09 23 19-0004 EA 3% RH Outdoor Air Sensor (Kele HO30K).....	741.53	123.21
23 09 23 19-0005 EA 2% Surface Mounted RH Transmitter (Kele HW20K)	555.66	49.29
23 09 23 21 Motion Instruments (23 09 23)		
23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)		
23 09 23 21-0002 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	207.48	34.65
23 09 23 21-0003 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	203.65	34.65
23 09 23 21-0004 EA Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	267.99	34.65
23 09 23 21-0005 EA Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	239.59	34.65
23 09 23 21-0006 EA Door Switch Occupancy Sensor (Peco SE200-001).....	83.56	34.65
23 09 23 21-0007 EA Window Switch Occupancy Sensor (Peco SE200-002).....	78.28	34.65
23 09 23 21-0008 EA Power Pack And Controller (Peco SF200-001).....	132.68	34.65
23 09 23 23 Pressure Instruments (23 09 23)		
23 09 23 23-0001 Pressure Sensors (23 09 23 23)		
23 09 23 23-0002 EA 0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	833.26	104.06
23 09 23 23-0003 EA 0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	746.90	104.06
23 09 23 23-0004 EA 0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222).....	329.01	104.06
23 09 23 23-0005 EA 0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	339.05	104.06
23 09 23 23-0006 EA 0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	358.68	104.06
23 09 23 23-0007 EA 0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	336.14	104.06
23 09 23 23-0008 EA 0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA)	2,936.58	104.06
Note: Excludes pipe fittings.		
23 09 23 23-0009 EA 0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA)	2,936.58	104.06
Note: Excludes pipe fittings.		
23 09 23 23-0010 EA Magnahelic Gauge.....	836.77	63.61
23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)		
23 09 23 23-0012 EA Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,482.87	76.80
23 09 23 23-0013 EA Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	5,585.08	76.80
Note: Excludes dampers and actuators.		
23 09 23 23-0014 EA Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	449.98	46.08
23 09 23 23-0015 EA Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7).....	517.08	46.08
23 09 23 27 Temperature Instruments (23 09 23)		
23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)		
23 09 23 27-0002 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	259.33	88.72
23 09 23 27-0003 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	345.69	88.72
23 09 23 27-0004 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	269.26	88.72
23 09 23 27-0005 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	279.45	88.72
23 09 23 27-0006 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	282.84	88.72
23 09 23 27-0007 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	279.49	88.72
23 09 23 27-0008 EA 10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP).....	281.29	88.72
23 09 23 27-0009 EA 10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	298.45	88.72
23 09 23 27-0010 EA 10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	313.44	88.72
23 09 23 27-0011 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-Q24)	387.43	123.21
23 09 23 27-0012 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-Q24-XC25).....	398.97	123.21
23 09 23 27-0013 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	172.00	49.29
23 09 23 27-0014 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	176.24	49.29
23 09 23 27-0015 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	165.10	49.29
23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)		
23 09 23 27-0017 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	205.21	95.34
23 09 23 27-0018 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	479.99	95.34
23 09 23 27-0019 Peco Thermostats (23 09 23 27)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0020 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	436.44	23.10
23 09 23 27-0021 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	392.44	23.10
23 09 23 53 Proprietary Control Systems (23 09 23)		
23 09 23 53-0001 EMCS General Costs (23 09 23 53)		
23 09 23 53-0002 EMCS System Design Services (23 09 23 53-0001)		
Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.		
23 09 23 53-0003 HR EMCS Site Inspection Of Existing Facilities.....	381.19	
23 09 23 53-0004 HR EMCS Engineering Project Management.....	381.19	
23 09 23 53-0005 HR EMCS System Engineering, Schematic Design And Layout.....	404.30	
23 09 23 53-0006 HR EMCS System Software Programming And Graphics Programming.....	404.30	
23 09 23 53-0007 HR EMCS Graphics Picture Creation.....	259.99	
23 09 23 53-0008 HR EMCS System Controls Training.....	381.19	
23 09 23 53-0009 HR EMCS On Site System Diagnostics Field Technician.....	381.19	
23 09 23 53-0010 HR EMCS Remote Technical Support Using Phone Or Internet.....	317.74	
23 09 23 53-0011 HR EMCS Travel Time (All Personnel).....	329.30	
23 09 23 53-0012 Field Tests, Checkout And Commissioning (23 09 23 53-0001)		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0013 PNT EMCS Field Test.....	202.23	
Note: Priced per point.		
23 09 23 53-0014 PNT EMCS Field Checkout And Startup.....	202.23	
Note: Priced per point.		
23 09 23 53-0015 PNT EMCS Field Commissioning.....	202.23	
Note: Priced per point.		
23 09 23 53-0016 EA EMCS Field Balance Support.....	173.27	
Note: Priced per controller.		
23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001)		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018 PNT EMCS System Engineering/Submittal Design And Layout.....	67.46	
Note: Priced per point.		
23 09 23 53-0019 Alerton Controls (23 09 23 53)		
23 09 23 53-0020 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	10,555.14	
23 09 23 53-0021 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	13,350.64	
23 09 23 53-0022 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	32,658.97	
23 09 23 53-0023 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	24,683.79	
23 09 23 53-0024 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	62,460.94	
23 09 23 53-0025 EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	49,414.39	
23 09 23 53-0026 EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	75,053.31	
23 09 23 53-0027 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	2,159.22	
23 09 23 53-0028 EA Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	28,931.62	
23 09 23 53-0029 EA Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	21,363.59	
23 09 23 53-0030 EA 150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	13,291.89	
23 09 23 53-0031 EA 50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM).....	8,494.17	
23 09 23 53-0032 EA 10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	3,363.52	
23 09 23 53-0033 EA 1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	5,709.91	369.65
23 09 23 53-0034 EA Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	8,376.02	492.86
23 09 23 53-0035 EA Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	8,273.60	492.86
23 09 23 53-0036 EA V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	3,233.40	369.65
23 09 23 53-0037 EA 1 MS/TP, BACTalk Control Module (Alerton 715000300).....	3,833.64	369.65
23 09 23 53-0038 EA Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	3,048.70	369.65
23 09 23 53-0039 EA 1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	3,695.97	369.65
23 09 23 53-0040 EA Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	8,203.20	369.65
23 09 23 53-0041 EA BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	4,105.52	492.86
23 09 23 53-0042 EA EXP BACnet Controller (Alerton VLX).....	8,920.41	985.73
23 09 23 53-0043 EA VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	10,234.23	985.73
23 09 23 53-0044 EA Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,328.66	109.75
23 09 23 53-0045 EA 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	2,708.72	369.65
23 09 23 53-0046 EA 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,847.24	369.65
23 09 23 53-0047 EA 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	2,368.73	369.65
23 09 23 53-0048 EA 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	2,561.82	369.65
23 09 23 53-0049 EA 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	2,553.42	369.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 09 Instrumentation and Control for HVAC

23 09 23 Direct-Digital Control System for HVAC



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23	53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,661.55	369.65
23 09 23	53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	2,898.45	369.65
23 09 23	53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	4,286.03	492.86
23 09 23	53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,926.43	246.44
23 09 23	53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,871.01	246.44
23 09 23	53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,574.40	369.65
23 09 23	53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,574.40	369.65
23 09 23	53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	3,021.85	369.65
23 09 23	53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	5,755.98	492.86
23 09 23	53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,654.15	369.65
23 09 23	53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	168.87	13.86
23 09 23	53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	266.59	13.86
23 09 23	53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	662.82	13.86
23 09 23	53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	662.82	13.86
23 09 23	53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	518.45	13.86
23 09 23	53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	182.65	13.86
23 09 23	53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	698.93	13.86
23 09 23	53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	782.89	13.86
23 09 23	53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,653.16	369.65
23 09 23	53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	3,859.66	369.65
23 09 23	53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,681.70	369.65
23 09 23	53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	11,320.51	
23 09 23	53-0072	EA	Global Controller Base Unit (Alerton ACM)	6,136.75	369.65
23 09 23	53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,335.24	205.61
23 09 23	53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,032.88	
23 09 23	53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,196.47	13.86

23 09 23 53-0076 Automated Logic Controls (23 09 23 53)

23 09 23	53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	4,070.10	369.65
23 09 23	53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	9,390.24	1,108.94
23 09 23	53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,924.99	369.65
23 09 23	53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	5,882.56	492.86
23 09 23	53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	5,797.10	492.86
23 09 23	53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	9,543.25	985.73
23 09 23	53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	5,241.64	492.86
23 09 23	53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	5,129.75	369.65
23 09 23	53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	9,030.52	985.73
23 09 23	53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	2,171.17	246.44
23 09 23	53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,303.52	246.44
23 09 23	53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	3,037.42	246.44
23 09 23	53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	2,941.28	246.44
23 09 23	53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,702.80	369.65
23 09 23	53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	14,891.22	
23 09 23	53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	9,678.40	
23 09 23	53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	11,914.16	

23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)

23 09 23 53-0095 Wireless Pneumatic Thermostat (23 09 23 53-0094)

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23	53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP)	558.20	15.41
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.18	
			For >200, Deduct	-56.32	
23 09 23	53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP)	558.20	15.41
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.18	
			For >200, Deduct	-56.32	
23 09 23	53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP)	558.20	15.41
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.18	
			For >200, Deduct	-56.32	
23 09 23	53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP)	558.20	15.41
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.18	
			For >200, Deduct	-56.32	
23 09 23	53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB)	633.69	15.41
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-32.38	
			For >200, Deduct	-64.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0101 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	633.69 -32.38 -64.70	15.41
23 09 23 53-0102 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	633.69 -32.38 -64.70	15.41
23 09 23 53-0103 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	633.69 -32.38 -64.70	15.41
23 09 23 53-0104 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover. For >50 To 200, Deduct For >200, Deduct	47.78 -1.80 -3.60	15.41
23 09 23 53-0105 EA Green Box Controller (Cypress Envirosystems GBC-830-COM) Note: One unit for up to 100 thermostats. For 2, Deduct For >2, Deduct	5,056.17 -246.87 -493.29	15.41
23 09 23 53-0106 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats. For 2, Deduct For >2, Deduct	478.66 -25.76 -51.47	15.41
23 09 23 53-0107 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	842.23 -42.55 -85.02	15.41
23 09 23 53-0108 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	1,043.86 -49.48 -98.86	15.41
23 09 23 53-0109 Delta Controls (23 09 23 53)		
23 09 23 53-0110 Software (23 09 23 53-0109) Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111 EA Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,578.59	
23 09 23 53-0112 EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,196.70	
23 09 23 53-0113 EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,092.85	
23 09 23 53-0114 EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	14,469.24	
23 09 23 53-0115 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,474.74	
23 09 23 53-0116 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,578.59	
23 09 23 53-0117 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,075.84	
23 09 23 53-0118 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,474.74	
23 09 23 53-0119 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,728.42	154.02
23 09 23 53-0120 EA Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,859.41	
23 09 23 53-0121 EMCS Central Equipment And Controllers (23 09 23 53-0109)		
23 09 23 53-0122 EA Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)	9,940.19	616.08
Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		
23 09 23 53-0123 EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	7,701.95	616.08
23 09 23 53-0124 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,837.91	616.08
23 09 23 53-0125 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	5,837.91	616.08
23 09 23 53-0126 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,837.91	616.08
23 09 23 53-0127 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	5,497.04	616.08
23 09 23 53-0128 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,851.17	308.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,700.79	308.04
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,800.57	308.04
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,700.79	308.04
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,778.44	385.05
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	982.77	154.02
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	1,046.17	154.02
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	1,210.61	154.02
23 09 23 53-0136		Network, VAV And Special Sensors <small>(23 09 23 53-0109)</small>		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	311.96	49.29
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	418.40	55.45
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	797.48	23.10
23 09 23 53-0140		Honeywell Controls <small>(23 09 23 53)</small>		
23 09 23 53-0141		EMCS Central Equipment And Controllers <small>(23 09 23 53-0140)</small>		
23 09 23 53-0142		EMCS Network Area Controllers (BACnet Or Lon) <small>(23 09 23 53-0141)</small> Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	13,451.88	750.84
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	9,453.42	750.84
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	7,426.43	750.84
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	9,039.44	750.84
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	7,370.89	750.84
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	7,370.89	750.84
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,928.76	750.84
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,514.39	750.84
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,928.76	750.84
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,514.39	750.84
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,519.44	750.84
23 09 23 53-0154	EA	34 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	9,105.07	750.84
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,519.44	750.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0156 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	9,105.07	750.84
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0157 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	9,011.68	750.84
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0158 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	10,967.99	750.84
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0159 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ).....	11,571.29	750.84
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0160 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ).....	13,527.61	750.84
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0161 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	11,599.06	750.84
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0162 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ).....	15,327.42	750.84
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
23 09 23 53-0163 EMCS Network Interfaces (23 09 23 53-0141)		
Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001).....	1,883.76	207.93
Note: For desktop computer.		
23 09 23 53-0165 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009).....	1,612.40	138.62
Note: For laptop computer.		
23 09 23 53-0166 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	2,069.65	259.99
23 09 23 53-0167 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	3,118.49	375.50
23 09 23 53-0168 EA Two Way Lon Repeater (Honeywell Q7740A1008).....	1,656.93	375.50
23 09 23 53-0169 EA FTT Termination Module For Network Bus (Honeywell 209541B).....	128.36	46.21
23 09 23 53-0170 DDC Application Specific Controller Assemblies (23 09 23 53-0141)		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	3,147.71	849.08
23 09 23 53-0172 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,570.13	502.53
23 09 23 53-0173 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	3,390.28	994.63
23 09 23 53-0174 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,812.71	648.08
23 09 23 53-0175 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,729.36	1,039.73
23 09 23 53-0176 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,296.11	779.03
23 09 23 53-0177 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,989.24	1,195.67
23 09 23 53-0178 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,521.28	915.03
23 09 23 53-0179 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,814.97	848.96
23 09 23 53-0180 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,237.39	502.53
23 09 23 53-0181 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	3,132.71	1,039.73
23 09 23 53-0182 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,554.98	693.09
23 09 23 53-0183 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,677.96	862.94
23 09 23 53-0184 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,088.83	705.41
23 09 23 53-0185 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,995.69	1,195.65
23 09 23 53-0186 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,406.41	794.74
23 09 23 53-0187 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	4,583.30	1,195.65
23 09 23 53-0188 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	4,057.79	763.93
23 09 23 53-0189 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	5,218.79	1,195.65
23 09 23 53-0190 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	4,693.11	894.85
23 09 23 53-0191 DDC Programmable Controller Assemblies (23 09 23 53-0141)		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,240.06	918.42
23 09 23 53-0193 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,718.69	918.42
23 09 23 53-0194 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	4,919.08	1,080.14
23 09 23 53-0195 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	5,397.71	1,080.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0196 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	8,792.57	1,264.96
23 09 23 53-0197 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	9,345.85	1,264.96
23 09 23 53-0198 EMCS Optional DDC Controller Hardware <small>(23 09 23 53-0141)</small>		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005).....	575.54	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0200 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	665.15	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0201 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	696.70	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0202 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	657.57	
23 09 23 53-0203 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	667.67	
23 09 23 53-0204 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	652.53	
23 09 23 53-0205 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	561.65	
23 09 23 53-0206 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	488.45	
23 09 23 53-0207 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	715.63	
23 09 23 53-0208 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	639.90	
23 09 23 53-0209 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	706.80	
23 09 23 53-0210 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,500.68	
23 09 23 53-0211 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,866.71	
23 09 23 53-0212 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	932.72	
23 09 23 53-0213 EA Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	918.84	
23 09 23 53-0214 EA Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	450.58	
23 09 23 53-0215 EA Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	512.43	
23 09 23 53-0216 EA IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	946.60	
23 09 23 53-0217 EA IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	1,012.24	
23 09 23 53-0218 EA AI Module (Honeywell XFL521B).....	633.59	
23 09 23 53-0219 EA AO Module (Honeywell XFL522B).....	633.59	
23 09 23 53-0220 EA DI Module (Honeywell XFL523B).....	633.59	
23 09 23 53-0221 EA DO Module (Honeywell XFL524B).....	633.59	
23 09 23 53-0222 EA Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	112.33	
23 09 23 53-0223 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	212.04	
23 09 23 53-0224 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	208.25	
23 09 23 53-0225 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	637.38	
23 09 23 53-0226 EA Lon Hub (Honeywell XIO-HUB).....	94.66	
23 09 23 53-0227 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	637.38	
23 09 23 53-0228 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	586.90	
23 09 23 53-0229 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	586.90	
23 09 23 53-0230 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	618.45	
23 09 23 53-0231 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	618.45	
23 09 23 53-0232 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	889.81	
23 09 23 53-0233 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,050.10	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005).....	2,231.46	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 53-0235 EMCS Software <small>(23 09 23 53-0140)</small>		
23 09 23 53-0236 Software Packages And License <small>(23 09 23 53-0235)</small>		
Note: Includes installation on equipment.		
23 09 23 53-0237 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	711.85	
Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,773.57	
Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	7,951.48	
Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0240 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	4,733.02	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0241 EA Upgrade Small Building To Large Building Software.....	5,424.06	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0242 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W).....	3,835.69	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0243 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	6,795.41	
Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0244 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX).....	932.77	
Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	636.17	
Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters.....	36,586.96	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0247 EA Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	33,393.22	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0248 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,679.46	
23 09 23 53-0249 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	9,461.00	
23 09 23 53-0250 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	2,735.06	
23 09 23 53-0251 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,735.06	
23 09 23 53-0252 EA Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)	18,932.10	
Note: Excludes Oracle.		
23 09 23 53-0253 EA Open System Driver Option (Honeywell WS-SNMP-500).....	2,524.28	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,735.06	
23 09 23 53-0255 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	7,152.55	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256 EA WEBStation Additional Node (Honeywell ZW2000B1002)	2,735.06	
23 09 23 53-0257 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	45,858.59	
23 09 23 53-0258 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	84,143.09	
23 09 23 53-0259 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	147,250.09	
23 09 23 53-0260 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,572.84	
23 09 23 53-0261 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,786.42	
23 09 23 53-0262 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	3,058.21	
23 09 23 53-0263 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,341.53	
Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0264 Initial Database Generation (23 09 23 53-0235)		
23 09 23 53-0265 PNT Database Generation For Central Plant.....	103.34	
23 09 23 53-0266 PNT Database Generation For Programmable Controller	103.34	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267 EA Database Generation For Application Specific Controller.....	103.34	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0268 EA Replication Of Database Generation For Application Specific Controller	71.93	
Note: Price per copy made.		
23 09 23 53-0269 EA Database Generation For Remote IO Modules, Sensors, Etcetera	71.93	
23 09 23 53-0270 Application Software Programs (23 09 23 53-0235)		
23 09 23 53-0271 EA Basic Application Program Package.....	4,312.55	
Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0272 EA Optimum Start/Stop Program.....	144.17	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0273 EA Duty Cycling Program.....	68.08	
23 09 23 53-0274 EA Hot Deck/Cold Deck Reset Application Program	7,408.79	
23 09 23 53-0275 EA Boiler Optimization Program	9,708.77	
23 09 23 53-0276 EA Chiller Optimization Program	13,151.50	
23 09 23 53-0277 EA Lighting Control Program	6,346.42	
23 09 23 53-0278 EA Demand Limiting Program	126.45	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0279 EA Email Alarm Server Configuration.....	4,895.98	
23 09 23 53-0280 Color Graphics Generation (23 09 23 53-0235)		
Note: Priced per page.		
23 09 23 53-0281 EA Single Site Home Page Graphics Page With HTML Navigation Code.....	2,584.16	
23 09 23 53-0282 EA Multi Site Home Page Graphics Page With HTML Navigation Code	4,588.07	
23 09 23 53-0283 EA Color Graphics Page For Central Plant	1,174.10	
23 09 23 53-0284 EA Color Graphics Page For Building Floor Plan	1,084.14	
23 09 23 53-0285 EA Replication Of Color Graphics Page For Central Plant	588.97	
23 09 23 53-0286 EA Color Graphics Page For Programmable Controller	1,320.87	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0287 EA Replication Of Color Graphics Page For Programmable Controller.....	282.48	
Note: Priced per copy made.		
23 09 23 53-0288 EA Color Graphics Page For Application Specific Controller.....	1,221.68	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0289 EA Replication Of Color Graphics Page For Application Specific Cont	122.14	
Note: Priced per copy made.		
23 09 23 53-0290 Sensors, Actuators And Control Devices (23 09 23 53-0140)		
Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0291 Special Sensors (23 09 23 53-0290)		
23 09 23 53-0292 EA Dewpoint Sensor (Honeywell C7232B1014).....	2,300.67	95.34
23 09 23 53-0293 EA Enthalpy Sensor -25 To 125 F.....	2,398.20	95.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0294 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,157.04	190.68
23 09 23 53-0295 EA Freezestat (Honeywell L482A1004).....	813.28	317.74
23 09 23 53-0296 EA Wall Mounted Occupancy Sensor.....	565.13	95.34
23 09 23 53-0297 EA Ceiling Mounted Occupancy Sensor.....	457.61	95.34
23 09 23 53-0298 EA I/P Positioner With Gauge.....	537.63	95.34
23 09 23 53-0299 EA Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	644.63	95.34
23 09 23 53-0300 EA EP Transducer.....	537.63	63.61
23 09 23 53-0301 EA Electric Heat Sequencer	861.47	127.06
23 09 23 53-0302 Meters (23 09 23 53-0290)		
23 09 23 53-0303 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer.....	5,475.63	762.40
23 09 23 53-0304 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,995.66	889.46
23 09 23 53-0305 EA 1 To 300 Amperes, Current Transformer For KW Meter.....	1,955.68	317.74
23 09 23 53-0306 EA 300 To 800 Amperes, Current Transformer For KW Meter.....	2,206.96	317.74
23 09 23 53-0307 EA 800 To 2,400 Amperes, Current Transformer For KW Meter	2,688.87	317.74
23 09 23 53-0308 Direct Coupled Actuators (23 09 23 53-0290)		
23 09 23 53-0309 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	748.88	126.70
23 09 23 53-0310 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	819.67	126.70
23 09 23 53-0311 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	941.39	126.70
23 09 23 53-0312 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	707.46	126.70
23 09 23 53-0313 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	783.59	126.70
23 09 23 53-0314 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	858.98	126.70
23 09 23 53-0315 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	787.75	126.70
23 09 23 53-0316 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	896.31	126.70
23 09 23 53-0317 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	1,013.49	126.70
23 09 23 53-0318 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	650.98	126.70
23 09 23 53-0319 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	708.78	126.70
23 09 23 53-0320 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	824.91	126.70
23 09 23 53-0321 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	879.57	126.70
23 09 23 53-0322 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	878.89	126.70
23 09 23 53-0323 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,028.80	126.70
23 09 23 53-0324 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	674.67	126.70
23 09 23 53-0325 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	1,161.25	126.70
23 09 23 53-0326 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	514.55	126.70
23 09 23 53-0327 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	773.16	126.70
23 09 23 53-0328 Thermostats (23 09 23 53-0140)		
23 09 23 53-0329 Electric And Electronic Thermostats (23 09 23 53-0328)		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0330 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	255.58	23.10
23 09 23 53-0331 EA Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	273.52	23.10
23 09 23 53-0332 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	253.59	23.10
23 09 23 53-0333 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	280.89	23.10
23 09 23 53-0334 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	301.42	23.10
23 09 23 53-0335 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	432.98	23.10
23 09 23 53-0336 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	620.35	23.10
23 09 23 53-0337 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	990.82	23.10
23 09 23 53-0338 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,055.19	23.10
23 09 23 53-0339 Pneumatic Thermostats (23 09 23 53-0328)		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0340 EA Pneumatic Thermostat (Honeywell TP970B2182).....	340.42	23.10
23 09 23 53-0341 Thermostats Guards (23 09 23 53-0328)		
23 09 23 53-0342 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	84.98	23.10
23 09 23 53-0343 EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	99.93	23.10
23 09 23 53-0344 EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	94.55	23.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0345				Johnson Controls (23 09 23 53)		
23 09 23 53-0346				Software (23 09 23 53-0345)		
				Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0347	EA			5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	20,364.34	
23 09 23 53-0348	EA			10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	24,069.31	
23 09 23 53-0349	EA			N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	1,263.58	
23 09 23 53-0350	EA			N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,874.17	
23 09 23 53-0351	EA			BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	3,259.29	
23 09 23 53-0352	EA			BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	1,273.93	
23 09 23 53-0353	EA			New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	1,267.01	
23 09 23 53-0354	EA			Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	511.79	
23 09 23 53-0355				Supervisory Controllers (23 09 23 53-0345)		
23 09 23 53-0356	EA			NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	9,708.15	616.08
23 09 23 53-0357	EA			NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	14,594.37	616.08
23 09 23 53-0358	EA			NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	19,491.43	616.08
23 09 23 53-0359	EA			NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	7,826.01	616.08
23 09 23 53-0360				Controllers (23 09 23 53-0345)		
23 09 23 53-0361	EA			10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	1,135.32	154.02
23 09 23 53-0362	EA			10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	1,461.13	308.04
23 09 23 53-0363	EA			17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,979.88	308.04
23 09 23 53-0364	EA			17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	2,305.68	308.04
23 09 23 53-0365	EA			BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	948.40	154.02
23 09 23 53-0366	EA			BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	1,031.48	154.02
23 09 23 53-0367	EA			BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	1,156.10	154.02
23 09 23 53-0368	EA			17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	1,172.70	154.02
23 09 23 53-0369	EA			BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	2,390.45	308.04
23 09 23 53-0370	EA			32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	1,150.43	154.02
23 09 23 53-0371	EA			32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,624.22	154.02
				Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0372				Master FX Controllers (23 09 23 53-0345)		
23 09 23 53-0373	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,961.92	308.04
23 09 23 53-0374	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	3,158.79	308.04
23 09 23 53-0375	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	3,256.62	308.04
23 09 23 53-0376	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	3,197.17	308.04
23 09 23 53-0377	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	3,104.25	308.04
23 09 23 53-0378	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	3,119.15	308.04
23 09 23 53-0379	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	3,104.25	308.04
23 09 23 53-0380	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	3,159.01	308.04
23 09 23 53-0381	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	3,329.03	308.04
23 09 23 53-0382	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	3,442.37	308.04
23 09 23 53-0383	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	3,385.69	308.04
23 09 23 53-0384	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	3,269.68	308.04
23 09 23 53-0385	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	3,159.01	308.04
23 09 23 53-0386	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	3,329.03	308.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0387 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	3,442.37	308.04
23 09 23 53-0388 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	3,385.69	308.04
23 09 23 53-0389 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	3,269.68	308.04
23 09 23 53-0390 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	354.83	77.01
23 09 23 53-0391 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	494.31	77.01
23 09 23 53-0392 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	393.98	77.01
23 09 23 53-0393 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	354.83	77.01
23 09 23 53-0394 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	974.94	77.01
23 09 23 53-0395 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	903.19	77.01
23 09 23 53-0396 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	920.00	77.01
23 09 23 53-0397 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	920.00	77.01
23 09 23 53-0398 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	1,003.91	77.01
23 09 23 53-0399 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	1,003.91	77.01
23 09 23 53-0400 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	1,245.16	77.01
23 09 23 53-0401 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	1,245.16	77.01
23 09 23 53-0402 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,381.52	77.01
23 09 23 53-0403 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,381.52	77.01
23 09 23 53-0404 VAV, Network And Special Sensors (23 09 23 53-0345)		
23 09 23 53-0405 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	640.96	49.29
23 09 23 53-0406 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	228.99	49.29
23 09 23 53-0407 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	501.00	49.29
23 09 23 53-0408 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	738.56	49.29
23 09 23 53-0409 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	259.83	49.29
23 09 23 53-0410 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	671.58	49.29
23 09 23 53-0411 Sensors - Hard Wired Type (23 09 23 53-0345)		
23 09 23 53-0412 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	240.40	88.72
23 09 23 53-0413 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	193.71	49.29
23 09 23 53-0414 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	503.73	23.10
23 09 23 53-0415 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	674.23	23.10
23 09 23 53-0416 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	504.67	23.10
23 09 23 53-0417 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	656.36	49.29
23 09 23 53-0418 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	803.92	49.29
23 09 23 53-0419 Melink Intelli-Hood IH3 Controls (23 09 23 53)		
23 09 23 53-0420 Kitchen Ventilation Controllers (23 09 23 53-0419)		
23 09 23 53-0421 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	11,134.27	616.08
23 09 23 53-0422 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	2,011.17	127.06
23 09 23 53-0423 EA Hood Controller (Melink Intelli-Hood 2SEN-3001).....	3,445.93	512.88
23 09 23 53-0424 Kitchen Ventilation Sensors (23 09 23 53-0419)		
23 09 23 53-0425 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q).....	612.90	88.72
23 09 23 53-0426 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28).....	5,142.66	492.86



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Instrumentation and Control for HVAC	23 09
Direct-Digital Control System for HVAC 23 09 23	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0427				Siemens Controls (23 09 23 53)		
23 09 23 53-0428	EA			Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	486.48	23.10
23 09 23 53-0429	EA			Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	349.90	23.10
23 09 23 53-0430	EA			SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	385.08	104.06
23 09 23 53-0431	EA			-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	559.75	104.06
23 09 23 53-0432	EA			Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	81.37	15.41
23 09 23 53-0433	EA			Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	274.02	154.02
23 09 23 53-0434	EA			3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	440.23	26.64
23 09 23 53-0435	EA			1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	777.10	48.38
23 09 23 53-0436	EA			1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,543.02	48.38
23 09 23 53-0437	EA			1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	1,313.99	61.28
23 09 23 53-0438	EA			36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	378.56	88.72
23 09 23 53-0439	EA			-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	306.62	49.29
23 09 23 53-0440	EA			Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	652.88	72.70
23 09 23 53-0441	EA			9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	118.54	7.70
23 09 23 53-0442	EA			Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,070.27	147.86
23 09 23 53-0443	EA			MMI Extension Cable (Siemens 545-712).....	189.03	7.70
23 09 23 53-0444	EA			Remote Pressure Transmitter (Siemens 547-003).....	1,512.80	49.29
23 09 23 53-0445	EA			Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	946.14	36.96
23 09 23 53-0446	EA			BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	839.43	98.57
23 09 23 53-0447	EA			Door Lock And Key Assembly (Siemens 567-225).....	49.54	30.80
23 09 23 53-0448	EA			Insight Advanced Software Package (Siemens 571-010-381-USB).....	15,203.31	
				Note: Includes one user license and one sentinel key.		
23 09 23 53-0449	EA			BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	627.30	
23 09 23 53-0450	EA			Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	3,419.48	
23 09 23 53-0451	EA			1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	517.49	16.09
23 09 23 53-0452	EA			2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	1,083.77	27.88
23 09 23 53-0453	EA			Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	9,952.23	61.61
23 09 23 53-0454	EA			SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	11,720.46	61.61
23 09 23 53-0455	EA			7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	190.60	23.10
23 09 23 53-0456	EA			Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	482.03	61.44
23 09 23 53-0457	EA			Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	512.69	61.44
23 09 23 53-0458	EA			License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	4,389.36	
23 09 23 53-0459	EA			License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	886.33	
23 09 23 53-0460	EA			License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	2,852.57	
23 09 23 53-0461	EA			License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	2,042.04	
23 09 23 53-0462	EA			License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,755.44	
23 09 23 53-0463	EA			License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	5,189.86	
23 09 23 53-0464	EA			16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	831.52	3.08
23 09 23 53-0465	EA			16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	927.29	12.32
23 09 23 53-0466	EA			8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	472.90	3.08
23 09 23 53-0467	EA			18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	503.79	86.25
23 09 23 53-0468	EA			19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	847.99	86.25
23 09 23 53-0469	EA			34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	1,177.98	98.57
23 09 23 53-0470	EA			Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	47.39	15.41
23 09 23 53-0471	EA			115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	828.83	38.51
23 09 23 53-0472	EA			115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,321.38	38.51
23 09 23 53-0473	EA			230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	1,010.30	38.51
23 09 23 53-0474	EA			230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,528.79	38.51
23 09 23 53-0475	EA			PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	4,460.01	77.01
23 09 23 53-0476	EA			PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	5,760.26	77.01
23 09 23 53-0477	EA			Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,558.54	77.01
23 09 23 53-0478	EA			16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	1,824.98	77.01
23 09 23 53-0479	EA			16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,176.61	77.01
23 09 23 53-0480	EA			16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	1,943.63	77.01
23 09 23 53-0481	EA			24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,648.03	77.01
23 09 23 53-0482	EA			24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	2,890.82	77.01
23 09 23 53-0483	EA			24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	2,830.58	77.01
23 09 23 53-0484	EA			24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,048.12	77.01
23 09 23 53-0485	EA			24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	2,825.10	77.01
23 09 23 53-0486	EA			24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,046.64	77.01
23 09 23 53-0487	EA			36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	3,918.74	77.01
23 09 23 53-0488	EA			36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	7,791.01	77.01
23 09 23 53-0489	EA			License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,316.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0490 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	539.14	38.51
23 09 23 53-0491 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	396.95	38.51
23 09 23 53-0492 EA Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	900.19	30.80
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TTP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0493 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	310.03	38.51
23 09 23 53-0494 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	311.85	49.29
23 09 23 53-0495 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	158.36	38.51
23 09 23 53-0496 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	121.99	38.51
23 09 23 53-0497 EA 24" Flexible Averaging Probe (Siemens QAM2012.750).....	345.43	77.01
23 09 23 53-0498 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	224.20	57.76
23 09 23 53-0499 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	3,700.33	496.25
23 09 23 53-0500 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	43.67	15.41
23 09 23 53-0501 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.86	
23 09 23 53-0502 EA 16 Digital Input Module (Siemens TXM1.16D).....	660.18	15.41
23 09 23 53-0503 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	995.66	15.41
23 09 23 53-0504 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,594.36	30.80
23 09 23 53-0505 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	488.65	9.24
23 09 23 53-0506 Trane Controls (23 09 23 53)		
23 09 23 53-0507 Software (23 09 23 53-0506)		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0508 EA Summit + Building Management Package (Trane 40201152).....	7,597.01	
23 09 23 53-0509 EA Summit Current Version Software (Trane 40201111).....	4,330.95	
23 09 23 53-0510 EA Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	1,023.71	
23 09 23 53-0511 EA Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	4,305.42	
23 09 23 53-0512 EA Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....	11,733.82	
23 09 23 53-0513 EMCS Central Equipment And Controllers (23 09 23 53-0506)		
23 09 23 53-0514 EA Summit BTMX Operator Display Upgrade (Trane 40201224).....	7,446.19	616.08
23 09 23 53-0515 EA Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....	15,754.49	616.08
23 09 23 53-0516 EA Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	15,754.49	616.08
23 09 23 53-0517 EA Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	13,950.47	616.08
23 09 23 53-0518 EA Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	16,047.99	616.08
23 09 23 53-0519 EA Summit CCP Upgrade ROM Kit (Trane 40201095).....	258.45	38.51
23 09 23 53-0520 EA Summit Comm5 Repeater (Trane 49500457).....	2,002.02	308.04
23 09 23 53-0521 EA AHU Controller MP580/581 E Board Only (Trane 40201157).....	3,298.90	385.05
23 09 23 53-0522 EA AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	4,209.07	462.06
23 09 23 53-0523 EA AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	3,375.46	462.06
23 09 23 53-0524 EA AHU Controller MP581 Operator Door Display (Trane 40201156).....	2,905.14	462.06
23 09 23 53-0525 EA AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	2,902.54	462.06
23 09 23 53-0526 EA Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	1,269.13	154.02
23 09 23 53-0527 EA Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	1,165.50	154.02
23 09 23 53-0528 EA Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	2,123.86	308.04
23 09 23 53-0529 EA Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	2,037.92	308.04
23 09 23 53-0530 EA 2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	1,127.55	154.02
23 09 23 53-0531 EA 2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	1,002.77	154.02
23 09 23 53-0532 EA 4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	1,434.58	154.02
23 09 23 53-0533 EA 4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	1,310.48	154.02
23 09 23 53-0534 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500499).....	1,138.65	154.02
23 09 23 53-0535 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	1,091.01	154.02
23 09 23 53-0536 EA Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	1,237.32	154.02
23 09 23 53-0537 EA Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	1,138.65	154.02
23 09 23 53-0538 EA DDC VAV Retrofit Kit (Trane VRTODD01).....	1,654.32	308.04
23 09 23 53-0539 EA DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,777.04	308.04
23 09 23 53-0540 Network, VAV And Special Sensors (23 09 23 53-0506)		
23 09 23 53-0541 EA Digital Display Zone Sensor (Trane X13790464010).....	264.60	49.29
23 09 23 53-0542 EA Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	184.22	49.29
23 09 23 53-0543 EA Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	170.66	49.29
23 09 23 53-0544 EA Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	323.58	55.45
23 09 23 53-0545 EA Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	202.75	49.29
23 09 23 53-0546 EA Zone Sensor LCD O/C Setpoint (Trane 41901120).....	202.75	49.29
23 09 23 53-0547 EA Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	668.22	88.72
23 09 23 53-0548 EA Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	596.76	49.29
23 09 23 53-0549 EA Transformer 120/24 40 VA (Trane X13550284010).....	163.88	49.29
23 09 23 53-0550 EA Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	159.04	49.29
23 09 23 53-0551 EA Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	151.29	49.29
23 09 23 53-0552 EA Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	1,826.03	308.04
23 09 23 53-0553 EA Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	1,759.83	308.04
23 09 23 53-0554 EA Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	1,621.68	308.04
23 09 23 53-0555 EA Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	2,826.37	462.06
23 09 23 53-0556 EA Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	1,621.68	308.04
23 09 23 53-0557 EA Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,691.75	308.04
23 09 23 53-0558 EA Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	1,697.21	308.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23	53-0559	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	647.05	306.73
	23 09 23	53-0560	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	880.28	306.73
	23 09 23	53-0561	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	3,119.80	462.06
	23 09 23	53-0562	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	3,013.27	462.06
	23 09 23	53-0563	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	188.09	61.38
	23 09 23	53-0564	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	634.73	61.38
	23 09 23	53-0565	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	3,185.65	462.06
	23 09 23	53-0566	EA	BACnet Term (2 Pack) (Trane X1365152401)	303.53	110.43
	23 09 23	53-0567	EA	Tracer ES Add License (Trane X40250125010)	3,872.37	
	23 09 23	53-0568	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,663.91	616.08
	23 09 23	53-0569	EA	Kit - Tracer TU Complete (Trane X4509151301)	7,286.95	616.08
	23 09 23	53-0570	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	714.13	110.43
	23 09 23	53-0571	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	428.46	110.43
	23 09 23	53-0572	EA	Sensor Wireless Display Sensor (Trane X13790822010)	478.81	110.43
	23 09 23	53-0573	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	433.30	110.43
	23 09 23	53-0574	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	572.60	110.43
	23 09 23	53-0575	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	620.05	110.43
	23 09 23	53-0576		Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators <small>(23 09 23 53)</small>		
	23 09 23	53-0577		Current Switches And Current Sensors <small>(23 09 23 53-0576)</small>		
	23 09 23	53-0578	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	173.57	49.29
	23 09 23	53-0579	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	179.38	49.29
	23 09 23	53-0580	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	264.60	49.29
	23 09 23	53-0581	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	165.82	49.29
	23 09 23	53-0582	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	462.15	49.29
	23 09 23	53-0583	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	303.08	49.29
	23 09 23	53-0584	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	236.69	49.29
	23 09 23	53-0585	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	236.69	49.29
	23 09 23	53-0586	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	5,848.10	246.44
	23 09 23	53-0587	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2)	1,480.33	49.29
				Note: 3 phase networked transducer.		
	23 09 23	53-0588	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,238.20	49.29
	23 09 23	53-0589	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	252.28	49.29
	23 09 23	53-0590	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	403.91	130.92
	23 09 23	53-0591	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	404.38	130.92
	23 09 23	53-0592	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	427.62	130.92
	23 09 23	53-0593	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	433.43	130.92
	23 09 23	53-0594	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	466.35	130.92
	23 09 23	53-0595	EA	Toggle Switch	168.75	61.61
	23 09 23	53-0596	EA	Maintained Pushbutton Switch	178.23	61.61
	23 09 23	53-0597	EA	Manual Time Switch	267.69	61.61
	23 09 23	53-0598	EA	Emergency Stop Switch	427.64	61.61
	23 09 23	53-0599	EA	Float Switch	442.75	61.61
	23 09 23	53-0600	EA	Break Glass Switch	1,346.16	61.61
	23 09 23	53-0601	EA	Boiler E-Stop Switch	889.70	61.61
	23 09 23	53-0602		Relays <small>(23 09 23 53-0576)</small>		
	23 09 23	53-0603	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	147.42	49.29
	23 09 23	53-0604	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	159.33	49.29
	23 09 23	53-0605	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)	221.54	61.61
				Note: Box type.		
	23 09 23	53-0606	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	266.18	49.29
	23 09 23	53-0607	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	138.78	49.29
	23 09 23	53-0608	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	137.04	49.29
	23 09 23	53-0609	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	147.42	49.29
	23 09 23	53-0610	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	152.86	49.29
	23 09 23	53-0611	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	154.35	49.29
	23 09 23	53-0612	EA	SPDT Pilot Relay, Universal (Kele RIBU1C)	171.35	61.61
				Note: Box type.		
	23 09 23	53-0613	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S)	219.97	61.61
				Note: Box type.		
	23 09 23	53-0614	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	369.90	61.61
	23 09 23	53-0615	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	367.75	61.61
	23 09 23	53-0616		Transformers <small>(23 09 23 53-0576)</small>		
	23 09 23	53-0617	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	172.29	49.29
	23 09 23	53-0618	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	185.81	49.29
	23 09 23	53-0619	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	185.81	49.29
	23 09 23	53-0620	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	198.05	49.29
	23 09 23	53-0621	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	205.58	49.29
	23 09 23	53-0622		Power Supplies <small>(23 09 23 53-0576)</small>		
	23 09 23	53-0623	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	248.35	49.29
	23 09 23	53-0624	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	285.86	49.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0625 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	268.95	49.29
23 09 23 53-0626 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	276.95	49.29
23 09 23 53-0627 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	269.83	49.29
23 09 23 53-0628 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	281.76	49.29
23 09 23 53-0629 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	216.10	49.29
23 09 23 53-0630 Control Damper Actuators (23 09 23 53-0576)		
23 09 23 53-0631 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	614.42	126.90
23 09 23 53-0632 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	658.88	126.90
23 09 23 53-0633 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	731.72	126.90
23 09 23 53-0634 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	766.52	126.90
23 09 23 53-0635 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	787.17	126.90
23 09 23 53-0636 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	868.38	126.90
23 09 43 Pneumatic Control System For HVAC (23 09)		
23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)		
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0003 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	3.09	1.27
23 09 43 00-0004 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.78	1.30
23 09 43 00-0005 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	4.78	1.34
23 09 43 00-0006 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	5.92	1.38
23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0008 LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.81	1.27
23 09 43 00-0009 LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	3.00	1.30
23 09 43 00-0010 LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	3.37	1.34
23 09 43 00-0011 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	4.06	1.38
23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0013 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	3.21	1.23
23 09 43 00-0014 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	4.09	1.27
23 09 43 00-0015 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	5.93	1.34
23 09 43 00-0016 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	7.46	1.38
23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0018 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.16	1.27
23 09 43 00-0019 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.82	1.34
23 09 43 00-0020 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.69	1.38
23 09 43 00-0021 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.83	1.42
23 09 43 00-0022 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	7.65	1.46
23 09 43 00-0023 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	10.27	1.50
23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0025 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.16	1.42
23 09 43 00-0026 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.75	1.46
23 09 43 00-0027 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	5.80	1.50
23 09 43 00-0028 Copper Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0029 LF 1/4" Outside Diameter Copper Pneumatic Tubing.....	6.78	2.73
23 09 43 00-0030 LF 3/8" Outside Diameter Copper Pneumatic Tubing.....	8.21	3.14
23 09 43 00-0031 LF 1/2" Outside Diameter Copper Pneumatic Tubing.....	9.52	3.62
23 09 43 00-0032 LF 5/8" Outside Diameter Copper Pneumatic Tubing.....	11.67	4.16
23 09 43 00-0033 LF 3/4" Outside Diameter Copper Pneumatic Tubing.....	13.29	4.78
23 09 43 00-0034 Brass Couplings (23 09 43 00-0001)		
See CSI section 22 11 16 00-0368 for copper tubing.		
23 09 43 00-0035 Straight Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		
23 09 43 00-0036 EA 1/4" x 1/4" Straight Brass Coupling.....	14.57	6.90
23 09 43 00-0037 EA 3/8" x 1/4" Straight Brass Coupling.....	14.70	6.90
23 09 43 00-0038 EA 3/8" x 3/8" Straight Brass Coupling.....	14.82	6.90
23 09 43 00-0039 Elbow Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 43 00-0040	EA		1/4" x 1/4" Elbow Brass Coupling	15.28	6.90
	23 09 43 00-0041	EA		3/8" x 3/8" Elbow Brass Coupling	15.72	6.90
	23 09 43 00-0042			Tee Brass Couplings (23 09 43 00-0034)		
				Note: Barb x Barb		
	23 09 43 00-0043	EA		1/4" x 1/4" x 1/4" Tee Brass Coupling	23.43	10.72
	23 09 43 00-0044	EA		3/8" x 3/8" x 1/4" Tee Brass Coupling	26.51	11.49
	23 09 43 00-0045	EA		3/8" x 3/8" x 3/8" Tee Brass Coupling	26.05	11.49
23 10 Facility Fuel Systems (23)						
23 11 Facility Fuel Piping (23 10)						
23 11 23 Facility Natural-Gas Piping (23 11)						
See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.						
	23 11 23 00-0001			Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)		
	23 11 23 00-0002			Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
				Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
	23 11 23 00-0003	LF		3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.15	2.69
	23 11 23 00-0004	LF		1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.83	2.91
	23 11 23 00-0005	LF		3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.26	3.15
	23 11 23 00-0006	LF		1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	11.44	3.33
	23 11 23 00-0007	LF		1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	13.31	3.50
	23 11 23 00-0008	LF		1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.57	3.64
	23 11 23 00-0009	LF		2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.08	3.88
	23 11 23 00-0010			Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
	23 11 23 00-0011			Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
	23 11 23 00-0012	EA		3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.55	
	23 11 23 00-0013	EA		3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.55	
	23 11 23 00-0014	EA		1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.01	
	23 11 23 00-0015	EA		1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.01	
	23 11 23 00-0016	EA		3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.66	
	23 11 23 00-0017	EA		1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.09	
	23 11 23 00-0018	EA		1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.09	
	23 11 23 00-0019	EA		1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.37	
	23 11 23 00-0020	EA		1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	167.21	
	23 11 23 00-0021	EA		2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	266.49	
	23 11 23 00-0022			Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
	23 11 23 00-0023	EA		3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.63	
	23 11 23 00-0024	EA		1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.01	
	23 11 23 00-0025	EA		1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.01	
	23 11 23 00-0026	EA		3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.66	
	23 11 23 00-0027	EA		3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.66	
	23 11 23 00-0028	EA		1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.84	
	23 11 23 00-0029	EA		1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.84	
	23 11 23 00-0030			Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
	23 11 23 00-0031	EA		3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.21	
	23 11 23 00-0032	EA		1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.66	
	23 11 23 00-0033			Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
	23 11 23 00-0034	EA		3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.52	
	23 11 23 00-0035	EA		1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.16	
	23 11 23 00-0036	EA		3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.56	
	23 11 23 00-0037	EA		1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	84.46	
	23 11 23 00-0038	EA		1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	152.65	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	291.61	
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	479.67	
23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11		
23 00-0010)		
23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.01	
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	95.26	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	146.32	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	245.75	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	263.91	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	301.96	
23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST),		
Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.53	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.09	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.63	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.59	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.36	
23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing		
(CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.11	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.52	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.90	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	61.62	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	61.62	
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel		
Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	75.10	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.00	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	80.40	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	119.24	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	123.56	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	171.56	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	209.77	
23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless		
Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.56	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	80.40	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	87.54	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	146.52	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	151.07	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	202.23	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	251.33	
23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel		
Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.70	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.02	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	68.24	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	101.46	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	190.25	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	298.52	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
		Note: Includes mounting plate.		
	23 11 23 00-0084	EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.87	
	23 11 23 00-0085	EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.12	
	23 11 23 00-0086	EA 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.90	
	23 11 23 00-0087	EA 1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.01	
	23 11 23 00-0088	EA 3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.73	
	23 11 23 00-0089	EA 1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.45	
	23 11 23 00-0090	EA 1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.93	
23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
	23 11 23 00-0092	EA 1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	105.12	28.20
	23 11 23 00-0093	EA 3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	117.63	29.60
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0095	EA 3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.63	24.67
	23 11 23 00-0096	EA 1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	90.66	29.32
	23 11 23 00-0097	EA 3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	110.84	35.25
	23 11 23 00-0098	EA 1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	140.12	47.09
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
		Note: Includes mounting hardware.		
	23 11 23 00-0100	EA 1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.88	29.32
	23 11 23 00-0101	EA 3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	108.63	35.25
	23 11 23 00-0102	EA 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	100.59	29.32
	23 11 23 00-0103	EA 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	112.33	35.25
	23 11 23 00-0104	EA 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	224.64	88.11
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0106	EA 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	99.50	29.32
	23 11 23 00-0107	EA 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	99.50	29.32
	23 11 23 00-0108	EA 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	133.65	29.32
	23 11 23 00-0109	EA 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.39	35.25
	23 11 23 00-0110	EA 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.39	35.25
	23 11 23 00-0111	EA 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	168.89	47.09
	23 11 23 00-0112	EA 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	243.90	52.86
	23 11 23 00-0113	EA 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	127.61	29.32
	23 11 23 00-0114	EA 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	300.03	35.25
	23 11 23 00-0115	EA 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	713.25	52.86
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) <small>(23 11 23)</small>		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0118	EA 12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	57.61	21.15
	23 11 23 00-0119	EA 18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	62.70	22.56
	23 11 23 00-0120	EA 24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	67.59	22.56
	23 11 23 00-0121	EA 30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	70.79	23.96
	23 11 23 00-0122	EA 36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	74.76	23.96
	23 11 23 00-0123	EA 48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	83.37	25.38
	23 11 23 00-0124	EA 60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	91.21	25.38
	23 11 23 00-0125	EA 72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	98.97	26.79

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	57.61	21.15
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	62.70	22.56
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	67.59	22.56
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	70.79	23.96
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	74.76	23.96
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	83.37	25.38
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	91.21	25.38
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	98.97	26.79
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	57.61	21.15
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	62.70	22.56
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	67.59	22.56
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	70.79	23.96
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	74.76	23.96
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	83.37	25.38
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	91.21	25.38
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	98.97	26.79
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	57.61	21.15
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	62.70	22.56
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	79.23	22.56
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	70.79	23.96
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	74.76	23.96
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	83.37	25.38
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	91.21	25.38
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	98.97	26.79
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	62.10	21.15
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	68.28	22.56
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	67.59	22.56
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	77.90	23.96
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	74.76	23.96
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	83.37	25.38
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	91.21	25.38
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	98.97	26.79



				MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0162				3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0163	EA			12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	57.61	21.15
23 11 23 00-0164	EA			24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	74.18	22.56
23 11 23 00-0165	EA			30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	70.79	23.96
23 11 23 00-0166	EA			36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	74.76	23.96
23 11 23 00-0167	EA			48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	83.37	25.38
23 11 23 00-0168	EA			60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	103.07	25.38
23 11 23 00-0169	EA			72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	98.97	26.79
23 11 23 00-0170				3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0171	EA			12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	57.61	21.15
23 11 23 00-0172	EA			18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	62.70	22.56
23 11 23 00-0173	EA			24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	67.59	22.56
23 11 23 00-0174	EA			30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	70.79	23.96
23 11 23 00-0175	EA			36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	74.76	23.96
23 11 23 00-0176	EA			48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	83.37	25.38
23 11 23 00-0177	EA			60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	91.21	25.38
23 11 23 00-0178	EA			72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	98.97	26.79
23 11 23 00-0179				3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0180	EA			12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	57.61	21.15
23 11 23 00-0181	EA			18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	62.70	22.56
23 11 23 00-0182	EA			24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	67.59	22.56
23 11 23 00-0183	EA			30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	70.79	23.96
23 11 23 00-0184	EA			36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	74.76	23.96
23 11 23 00-0185	EA			48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	83.37	25.38
23 11 23 00-0186	EA			60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	91.21	25.38
23 11 23 00-0187	EA			72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	98.97	26.79
23 11 23 00-0188				3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0189	EA			18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	68.28	22.56
23 11 23 00-0190	EA			24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	67.59	22.56
23 11 23 00-0191	EA			30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	77.90	23.96
23 11 23 00-0192	EA			36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	82.63	23.96
23 11 23 00-0193	EA			48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	93.35	25.38
23 11 23 00-0194				1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0195	EA			12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	57.61	21.15
23 11 23 00-0196	EA			18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	62.70	22.56
23 11 23 00-0197	EA			24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	62.94	22.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0198 EA 30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	70.79	23.96
23 11 23 00-0199 EA 36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	69.19	23.96
23 11 23 00-0200 EA 48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	85.07	25.38
23 11 23 00-0201 EA 60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	91.21	25.38
23 11 23 00-0202 EA 72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	98.97	26.79
23 11 23 00-0203 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0204 EA 12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	57.61	21.15
23 11 23 00-0205 EA 18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	58.91	22.56
23 11 23 00-0206 EA 24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	60.37	22.56
23 11 23 00-0207 EA 30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	70.79	23.96
23 11 23 00-0208 EA 36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	74.76	23.96
23 11 23 00-0209 EA 48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	76.10	25.38
23 11 23 00-0210 EA 60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	91.21	25.38
23 11 23 00-0211 EA 72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	98.97	26.79
23 11 23 00-0212 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0213 EA 12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	57.61	21.15
23 11 23 00-0214 EA 18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	62.70	22.56
23 11 23 00-0215 EA 24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	67.59	22.56
23 11 23 00-0216 EA 30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	70.79	23.96
23 11 23 00-0217 EA 36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	65.32	23.96
23 11 23 00-0218 EA 48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	83.37	25.38
23 11 23 00-0219 EA 60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	91.21	25.38
23 11 23 00-0220 EA 72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	98.97	26.79
23 11 23 00-0221 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0222 EA 12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	73.59	21.15
23 11 23 00-0223 EA 18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	78.65	22.56
23 11 23 00-0224 EA 24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	83.54	22.56
23 11 23 00-0225 EA 30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	86.71	23.96
23 11 23 00-0226 EA 36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	90.84	23.96
23 11 23 00-0227 EA 48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	98.95	25.38
23 11 23 00-0228 EA 60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	107.43	25.38
23 11 23 00-0229 EA 72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	115.21	26.79
23 11 23 00-0230 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0231 EA 12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	87.69	28.20
23 11 23 00-0232 EA 18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	92.75	29.60
23 11 23 00-0233 EA 24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	97.64	29.60
23 11 23 00-0234 EA 30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	100.81	31.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0235 EA 36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	104.93	31.01
23 11 23 00-0236 EA 48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	113.05	32.43
23 11 23 00-0237 EA 60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	121.53	32.43
23 11 23 00-0238 EA 72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	129.31	33.84
23 11 23 00-0239 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0240 EA 12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	87.69	28.20
23 11 23 00-0241 EA 18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	92.75	29.60
23 11 23 00-0242 EA 24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	97.64	29.60
23 11 23 00-0243 EA 30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	100.81	31.01
23 11 23 00-0244 EA 36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	104.93	31.01
23 11 23 00-0245 EA 48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	113.05	32.43
23 11 23 00-0246 EA 60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	121.53	32.43
23 11 23 00-0247 EA 72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	129.31	33.84
23 11 23 00-0248 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0249 EA 12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	100.68	28.20
23 11 23 00-0250 EA 18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	105.74	29.60
23 11 23 00-0251 EA 24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	110.63	29.60
23 11 23 00-0252 EA 30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	113.80	31.01
23 11 23 00-0253 EA 36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	117.94	31.01
23 11 23 00-0254 EA 48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	126.04	32.43
23 11 23 00-0255 EA 60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	134.53	32.43
23 11 23 00-0256 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0257 EA 12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	100.68	28.20
23 11 23 00-0258 EA 18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	105.74	29.60
23 11 23 00-0259 EA 24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	110.63	29.60
23 11 23 00-0260 EA 36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	117.94	31.01
23 11 23 00-0261 EA 48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	126.04	32.43
23 11 23 00-0262 EA 60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	134.53	32.43
23 11 23 00-0263 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0264 EA 12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	100.68	28.20
23 11 23 00-0265 EA 18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	105.74	29.60
23 11 23 00-0266 EA 24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	110.63	29.60
23 11 23 00-0267 EA 30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	113.80	31.01
23 11 23 00-0268 EA 36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	117.94	31.01
23 11 23 00-0269 EA 48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	126.04	32.43
23 11 23 00-0270 EA 60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	134.53	32.43
23 11 23 00-0271 EA 72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	142.30	33.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0272			1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0273	EA		12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	84.27	28.20
23 11 23 00-0274	EA		18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	89.35	29.60
23 11 23 00-0275	EA		24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	94.26	29.60
23 11 23 00-0276	EA		30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	97.40	31.01
23 11 23 00-0277	EA		36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	101.52	31.01
23 11 23 00-0278	EA		48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	109.62	32.43
23 11 23 00-0279	EA		72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	125.85	33.84
23 11 23 00-0280			1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0281	EA		18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	98.59	29.60
23 11 23 00-0282	EA		24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	104.52	29.60
23 11 23 00-0283			Quarter-Turn, Gas Ball Valve <small>(23 11 23)</small>		
23 11 23 00-0284	EA		3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	54.13	15.01
23 11 23 00-0285	EA		1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	54.93	15.31
23 11 23 00-0286	EA		3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	78.10	16.85
23 11 23 00-0287	EA		3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	53.74	15.01
23 11 23 00-0288	EA		1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	56.80	15.31
23 11 23 00-0289	EA		1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	62.30	15.31
23 11 23 00-0290	EA		5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	68.50	16.08
23 11 23 00-0291	EA		5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	71.30	16.08
23 11 23 00-0292	EA		5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	71.30	16.08
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	55.83	15.01
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	58.89	15.31
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	72.77	16.08
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	59.17	15.31
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	79.68	16.85
23 11 23 00-0298	EA		3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	55.72	15.01
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	53.46	15.01
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	54.92	15.31
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	75.08	16.85
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	100.20	19.14
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	140.79	19.90
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	166.49	22.97
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	204.25	27.56
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	56.13	15.31
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	74.71	16.85
23 11 23 00-0308			Gas Stops <small>(23 11 23)</small>		
23 11 23 00-0309			Brass/Bronze Gas Stops <small>(23 11 23 00-0308)</small>		
			Note: Flat or square head		
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	65.02	15.31
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	65.59	15.31
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	86.44	16.85
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	118.86	19.14
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	157.07	20.37
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	195.67	23.58
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	266.40	27.87
23 11 23 00-0317			Iron Body Gas Stops <small>(23 11 23 00-0308)</small>		
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	84.86	15.31
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	105.41	16.85
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	130.30	19.14
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	168.18	20.37
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	209.62	23.58
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	269.57	27.87
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	506.07	37.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0325 EA 3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	671.94	43.70
23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)		
23 11 23 00-0327 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	200.45	15.31
23 11 23 00-0328 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	233.17	15.31
23 11 23 00-0329 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	297.67	16.85
23 11 23 00-0330 EA 1" Solenoid Valve, Bronze, 150 PSI, Gas.....	442.57	19.14
23 11 23 00-0331 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	786.04	23.58
23 11 23 00-0332 EA 2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,325.24	27.87
23 11 23 00-0333 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,644.97	37.64
23 11 23 00-0334 EA 3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,465.02	43.70
23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)		
23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)		
23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)		
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).		
23 11 26 00-0003 LF 2" Fiberglass Reinforced Plastic Pipe.....	24.88	10.15
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-11.37	
23 11 26 00-0004 LF 3" Fiberglass Reinforced Plastic Pipe.....	29.81	12.13
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-13.64	
23 11 26 00-0005 LF 4" Fiberglass Reinforced Plastic Pipe.....	40.15	17.91
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-20.09	
23 11 26 00-0006 LF 5" Fiberglass Reinforced Plastic Pipe.....	46.83	20.58
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-22.63	
23 11 26 00-0007 LF 6" Fiberglass Reinforced Plastic Pipe.....	54.47	22.98
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-25.89	
23 11 26 00-0008 LF 8" Fiberglass Reinforced Plastic Pipe.....	69.53	25.11
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-28.21	
23 11 26 00-0009 LF 10" Fiberglass Reinforced Plastic Pipe.....	91.42	29.85
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-33.63	
23 11 26 00-0010 LF 12" Fiberglass Reinforced Plastic Pipe.....	251.64	37.60
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-42.31	
23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)		
23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	199.91	101.08
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-113.69	
23 11 26 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	236.67	121.38
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-136.43	
23 11 26 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	281.76	140.98
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-158.50	
23 11 26 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	320.87	148.52
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-163.84	
23 11 26 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	384.21	166.63
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-187.37	
23 11 26 00-0018 EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	542.20	208.23
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-234.21	
23 11 26 00-0019 EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	692.17	250.83
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-282.06	
23 11 26 00-0020 EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	1,858.86	311.04
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-349.76	
23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0022 EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	200.28	101.08
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-113.69	
23 11 26 00-0023 EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	236.78	121.38
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-136.43	
23 11 26 00-0024 EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	282.14	141.12
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-158.61	
23 11 26 00-0025 EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	349.16	167.63
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-185.03	
23 11 26 00-0026 EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	384.08	166.63
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-187.37	
23 11 26 00-0027 EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	542.20	208.23
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-234.21	
23 11 26 00-0028 EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	1,407.06	250.83
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-282.06	
23 11 26 00-0029 EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	1,858.86	311.04
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-349.76	
23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)		
23 11 26 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee.....	441.71	151.69
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-170.54	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee	546.56	182.71
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-205.40	
23 11 26 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee	621.94	211.61
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-237.93	
23 11 26 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee	789.89	251.37
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-277.67	
23 11 26 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee	910.61	250.83
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-282.06	
23 11 26 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee	1,146.19	311.04
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-349.76	
23 11 26 00-0037 EA 10" Fiberglass Reinforced Plastic Flanged Tee	1,853.27	376.25
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-423.10	
23 11 26 00-0038 EA 12" Fiberglass Reinforced Plastic Flanged Tee	2,484.41	457.44
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-514.36	
23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)		
23 11 26 00-0040 EA 2" Fiberglass Reinforced Plastic Flanged Wye	586.77	151.69
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-170.54	
23 11 26 00-0041 EA 3" Fiberglass Reinforced Plastic Flanged Wye	753.85	182.43
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-205.14	
23 11 26 00-0042 EA 4" Fiberglass Reinforced Plastic Flanged Wye	885.65	211.61
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-237.91	
23 11 26 00-0043 EA 5" Fiberglass Reinforced Plastic Flanged Wye	1,014.44	251.37
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-277.67	
23 11 26 00-0044 EA 6" Fiberglass Reinforced Plastic Flanged Wye	1,096.04	250.83
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-282.06	
23 11 26 00-0045 EA 8" Fiberglass Reinforced Plastic Flanged Wye	1,439.43	311.04
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-349.76	
23 11 26 00-0046 EA 10" Fiberglass Reinforced Plastic Flanged Wye	2,223.13	376.25
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-423.10	
23 11 26 00-0047 EA 12" Fiberglass Reinforced Plastic Flanged Wye	2,887.59	457.44
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-514.36	
23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)		
23 11 26 00-0049 EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	333.19	101.08
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-113.69	
23 11 26 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	432.28	121.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-136.43	
23 11 26 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	473.67	141.12
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-158.61	
23 11 26 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	549.71	167.63
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-185.03	
23 11 26 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	593.57	166.63
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-187.37	
23 11 26 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	791.42	208.23
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-234.21	
23 11 26 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,013.89	250.83
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-282.06	
23 11 26 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,390.35	311.04
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-349.76	
23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)		
23 11 26 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	268.36	101.08
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-113.69	
23 11 26 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	308.47	121.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-136.43	
23 11 26 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	349.98	141.12
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-158.61	
23 11 26 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	428.55	167.63
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-185.03	
23 11 26 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	475.01	166.63
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-187.37	
23 11 26 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	464.75	208.23
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-234.21	
23 11 26 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	595.17	250.83
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-282.06	
23 11 26 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	942.74	311.04
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-349.76	
23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)		
23 11 26 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple	50.43	12.13
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.64	
23 11 26 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple	100.76	24.24
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-27.22	
23 11 26 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple	168.80	18.61
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-20.93	
23 11 26 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple	192.62	23.36
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-26.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	180.19 -18.74	16.61
23 11 26 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	216.56 -28.10	24.98
23 11 26 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	269.30 -30.92	27.98
23 11 26 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	322.01 -33.76	29.98
23 11 26 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	168.51 -39.35	34.98
23 11 26 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	229.63 -56.17	49.97
23 11 26 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	285.07 -39.99	35.60
23 11 26 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	427.90 -59.90	53.22
23 11 26 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	333.30 -41.24	36.73
23 11 26 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	435.55 -61.88	54.96
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)		
23 11 26 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	181.20 -113.69	101.08
23 11 26 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	217.97 -136.43	121.38
23 11 26 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	252.07 -158.61	141.12
23 11 26 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.83 -185.03	167.63
23 11 26 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	321.47 -187.37	166.63
23 11 26 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	417.35 -234.21	208.23
23 11 26 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	536.07 -282.06	250.83
23 11 26 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	654.99 -349.76	311.04
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)		
23 11 26 00-0091 EA 2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	184.90 -113.69	101.08
23 11 26 00-0092 EA 3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	222.86 -136.43	121.38
23 11 26 00-0093 EA 4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	242.44 -140.28	124.79
23 11 26 00-0094 EA 5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	292.87 -163.95	148.52
23 11 26 00-0095 EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	342.96 -187.37	166.63
23 11 26 00-0096 EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	425.50 -224.21	199.36
23 11 26 00-0097 EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	569.50 -282.06	250.83
23 11 26 00-0098 EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	788.72 -349.76	311.04
23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)		
23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)		
23 11 26 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	158.01	43.56
23 11 26 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	188.32	51.60
23 11 26 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	241.73	76.13
23 11 26 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	338.54	98.69
23 11 26 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	465.95	107.42
23 11 26 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	635.88	127.41
23 11 26 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	812.52	160.76
23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)		
23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,775.63	539.11

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,199.91	647.10
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,995.18	751.99
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	6,803.69	888.52
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	11,027.28	1,110.86
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	14,874.01	1,336.46
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	19,864.82	1,654.99
23 11 26 00-0117		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows <small>(23 11 26 00-0108)</small>		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,779.91	539.11
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,192.40	647.10
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,989.28	751.99
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	6,769.02	888.52
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	10,977.07	1,110.86
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	14,805.92	1,337.09
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	19,777.25	1,658.75
23 11 26 00-0125		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees <small>(23 11 26 00-0108)</small>		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,873.49	808.66
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	4,847.25	974.60
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	5,475.36	1,128.55
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	8,642.63	1,337.71
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	10,928.25	1,658.75
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	19,011.60	2,004.25
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	25,975.94	2,430.09
23 11 26 00-0133		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 26 00-0108)</small>		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,674.73	808.66
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,423.50	973.47
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	8,750.19	1,128.55
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	10,944.95	1,337.71
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	14,569.25	1,658.75
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	23,604.08	2,004.25
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	30,982.00	2,430.09
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 26 00-0108)</small>		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,063.06	539.11
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	4,078.93	647.10
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	4,383.04	751.99
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	5,600.22	888.52
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	7,614.78	1,110.86
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	9,923.16	1,336.46
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	13,954.28	1,654.99
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 26 00-0108)</small>		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,258.07	539.11
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,541.58	647.10
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,847.17	751.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	4,128.10	888.52
23 11 26 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	3,558.68	1,110.86
23 11 26 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	4,724.04	1,336.46
23 11 26 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	8,396.42	1,654.99
23 11 26 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 26 00-0108)		
23 11 26 00-0158 EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	497.29	64.71
23 11 26 00-0159 EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	994.08	129.14
23 11 26 00-0160 EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,898.23	99.25
23 11 26 00-0161 EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,143.61	124.54
23 11 26 00-0162 EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,060.49	88.82
23 11 26 00-0163 EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,423.57	133.29
23 11 26 00-0164 EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	3,679.46	160.14
23 11 26 00-0165 EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,720.81	186.63
23 11 26 00-0166 EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,320.76	266.45
23 11 26 00-0167 EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	3,161.89	189.62
23 11 26 00-0168 EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	4,747.25	284.05
23 11 26 00-0169 EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	3,748.92	195.62
23 11 26 00-0170 EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	4,823.72	293.43
23 11 26 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 26 00-0108)		
23 11 26 00-0172 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,685.37	665.29
23 11 26 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,488.46	888.52
23 11 26 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,165.90	1,063.53
23 11 26 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	4,405.33	1,336.46
23 11 26 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	6,484.03	1,654.99
23 12 Facility Fuel Pumps (23 10)		
23 12 13 Facility Fuel-Oil Pumps (23 12)		
23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump (23 12 13)		
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002 10 GPM 1" Discharge (23 12 13 00-0001)		
23 12 13 00-0003 EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge.....	1,765.92	409.02
23 12 13 00-0004 EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge.....	1,865.89	495.05
23 12 13 00-0005 EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge.....	2,052.34	588.13
23 12 13 00-0006 25 GPM 1-1/4" Discharge (23 12 13 00-0001)		
23 12 13 00-0007 EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,937.59	409.02
23 12 13 00-0008 EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	2,045.82	495.05
23 12 13 00-0009 EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	2,153.80	588.13
23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)		
23 12 13 00-0011 EA 1/4 HP Pump Fuel Oil/Diesel.....	1,341.90	229.18
23 12 13 00-0012 EA 1/3 HP Pump Fuel Oil/Diesel.....	1,572.27	256.69
23 12 13 00-0013 EA 1/2 HP Pump Fuel Oil/Diesel.....	1,722.05	287.72
23 12 13 00-0014 EA 3/4 HP Pump Fuel Oil/Diesel.....	1,883.13	324.39
23 12 13 00-0015 EA 1 HP Pump Fuel Oil/Diesel.....	2,608.37	361.06
23 12 13 00-0016 EA 1-1/2 HP Pump Fuel Oil/Diesel.....	3,174.28	404.08
23 12 13 00-0017 EA 2 HP Pump Fuel Oil/Diesel.....	3,519.84	452.74
23 12 13 00-0018 EA 3 HP Pump Fuel Oil/Diesel.....	4,272.29	506.33
23 12 13 00-0019 EA 5 HP Pump Fuel Oil/Diesel.....	5,023.66	567.68
23 12 13 00-0020 EA 7.5 HP Pump Fuel Oil/Diesel.....	5,625.18	636.79
23 12 13 00-0021 EA 10 HP Pump Fuel Oil/Diesel.....	6,306.68	713.80
23 12 23 Facility Natural-Gas Pumps (23 12)		
23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)		
23 12 23 00-0002 EA Natural Gas Booster Pump, 3/4" Outlet Size.....	1,304.76	211.56
23 12 23 00-0003 EA Natural Gas Booster Pump, 1" Outlet Size.....	1,542.04	236.24
23 12 23 00-0004 EA Natural Gas Booster Pump, 1-1/4" Outlet Size.....	1,722.13	246.82
23 12 23 00-0005 EA Natural Gas Booster Pump, 1-1/2" Outlet Size.....	1,945.60	257.39
23 12 23 00-0006 EA Natural Gas Booster Pump, 2" Outlet Size.....	2,190.97	264.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 13 Facility Fuel-Storage Tanks** (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks** (23 13)**23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** (23 13 13)**23 13 13 13-0001 Coated Underground Double Wall Storage Tanks** (23 13 13 13)

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,256.70	875.32
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,551.41	875.32
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	25,332.65	1,094.08
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	34,805.30	2,136.99
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	55,304.33	2,747.40
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	61,627.38	3,155.48
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	66,660.54	4,172.21
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	68,961.55	4,479.59
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	84,135.01	5,292.07
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	97,435.74	6,104.01
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	124,449.91	6,712.52
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	147,566.38	8,150.08
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	152,466.49	8,649.34
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	187,620.87	13,719.66
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	230,741.10	17,791.04
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	271,759.82	20,356.18
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	348,768.86	21,882.90
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	471,229.70	22,444.05

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)**23 13 13 23-0001 Underground Fiberglass Storage Tanks** (23 13 13 23)**23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks** (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,304.23	875.32
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,405.23	1,094.08
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,026.39	1,353.69
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,004.37	1,648.85
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,975.29	1,933.83
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,959.29	2,544.53
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,245.72	3,867.68
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,089.74	4,885.49
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,016.69	5,496.17
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	20,363.09	6,513.98
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	26,072.14	7,735.35
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	32,119.80	9,669.19
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	40,674.42	12,926.18
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	60,090.48	16,081.39
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	73,491.91	19,338.37
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	105,122.59	27,989.75
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	148,721.50	35,623.32

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,143.45	875.32
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	10,720.10	1,094.08
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,855.40	1,323.15
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	16,762.63	1,933.97
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,908.86	2,544.53
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,984.84	3,867.68
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,607.60	4,885.49
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	30,130.33	5,496.17
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	32,476.73	6,513.98
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	39,267.36	7,735.35
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	53,805.38	9,669.19
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	66,848.53	12,926.18
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	103,127.06	19,338.37

23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)

23 13 13 23-0035	EA	Secondary Containment Collar	3,936.38	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,936.38	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	787.28	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,574.55	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,968.19	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	---------------------	------------------------	----------------------

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks ^(23 13)

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks ^(23 13 23)

23 13 23 13-0001

Vertical Rectangular Double Wall Steel Fuel Day Tank ^(23 13 23 13)

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,254.38	183.82
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,345.12	193.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,458.96	206.79
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,668.80	220.58
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,853.84	229.77
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX).....	2,187.56	275.72
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX).....	2,922.45	321.67
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX).....	3,681.34	367.63
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX).....	4,697.38	413.58
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX).....	5,235.12	459.53
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX).....	6,002.03	551.44
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX).....	6,734.65	643.35
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX).....	7,487.83	735.25
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX).....	8,294.72	781.20
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX).....	9,106.75	827.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX).....	10,026.79	873.12
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX).....	10,833.68	919.07
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX).....	12,100.06	1,102.88
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX).....	13,053.83	1,194.79
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX).....	14,356.20	1,378.60
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX).....	15,663.72	1,562.42
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,504.67	183.82
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,597.12	193.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,710.96	206.79
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,919.09	220.58
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	2,104.13	229.77
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	2,439.57	275.72
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	3,198.46	321.67
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	3,957.35	367.63
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	4,973.39	413.58
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	5,511.13	459.53
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	6,278.03	551.44
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	7,010.65	643.35
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	7,763.84	735.25
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	8,570.73	781.20
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	9,382.76	827.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	10,304.51	873.12
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	11,111.40	919.07
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,376.06	1,102.88
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,329.83	1,194.79
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,632.20	1,378.60
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,939.73	1,562.42
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,452.69	183.82
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,534.86	193.01
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,610.98	206.79
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,887.68	220.58
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,993.86	229.77
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,317.30	275.72
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,988.76	321.67
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,018.51	367.63
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,643.68	413.58
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,343.74	459.53
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,312.93	551.44
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,911.84	643.35
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,713.02	735.25
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,483.91	781.20
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,494.80	827.17
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,926.26	873.12
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,314.85	919.07
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,107.53	1,102.88
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,810.45	1,194.79
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,705.98	1,378.60
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,630.66	1,562.42
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,584.14	183.82
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,666.31	193.01
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,742.43	206.79
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,019.13	220.58
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,125.31	229.77
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,448.75	275.72
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,120.21	321.67
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,149.96	367.63
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,850.57	413.58
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,080.89	459.53
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,050.09	551.44
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,650.71	643.35
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,450.18	735.25
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,222.78	781.20
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,231.96	827.17
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,663.41	873.12
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,052.01	919.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,844.69	1,102.88
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,549.33	1,194.79
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,443.14	1,378.60
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	20,367.81	1,562.42
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,216.72	183.82
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,307.46	193.01
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,385.30	206.79
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,670.57	220.58
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,824.75	229.77
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,120.77	275.72
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,817.94	321.67
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,895.69	367.63
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,543.15	413.58
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,308.35	459.53
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,325.54	551.44
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,871.30	643.35
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,775.35	735.25
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,703.95	781.20
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,637.70	827.17
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,118.87	873.12
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,481.75	919.07
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,351.57	1,102.88
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,135.07	1,194.79
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,111.17	1,378.60
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,112.99	1,562.42
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,348.18	183.82
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,438.92	193.01
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,516.75	206.79
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,802.02	220.58
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,956.20	229.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,248.79	275.72
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,949.39	321.67
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,027.14	367.63
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,674.60	413.58
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,045.50	459.53
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,062.70	551.44
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,779.89	643.35
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,512.50	735.25
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,441.11	781.20
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,374.86	827.17
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,856.03	873.12
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,220.63	919.07
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,088.73	1,102.88
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,872.23	1,194.79
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,848.33	1,378.60
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,850.15	1,562.42
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,243.20	183.82
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,344.50	193.01
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,458.00	206.79
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,659.75	220.58
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,179.69	229.77
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,256.27	275.72
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,826.18	321.67
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,484.33	367.63
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,547.55	413.58
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,687.70	459.53
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,827.51	551.44
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,358.59	643.35
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,891.93	735.25
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,654.18	781.20
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,418.69	827.17
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,085.92	873.12
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,759.90	919.07
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,202.23	1,102.88
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,532.12	1,194.79
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,051.39	1,378.60
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,520.88	1,562.42
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,310.56	193.01
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,424.31	206.79
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,542.83	220.58
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,746.85	229.77
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,356.09	275.72
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,432.68	321.67
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	3,029.99	367.63
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,720.46	413.58
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,838.49	459.53
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	6,037.73	505.49
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	7,232.34	597.40
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,784.42	689.30
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	8,338.88	781.20
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	9,139.22	827.17
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,941.95	873.12



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various containment double wall sealed top basin tanks for different capacities (550, 600, 700, 800, 900, 1000 gallons).

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001

Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

Table listing single wall aboveground storage tanks with columns for description, unit cost, and demolition cost. Includes entries for 300, 550, 1,000, 1,500, 2,000, 3,000, 5,000, 8,000, 10,000, 12,000, 15,000, 20,000, and 30,000 gallon tanks.

23 13 23 16-0015

Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

Table listing double wall aboveground storage tanks with columns for description, unit cost, and demolition cost. Includes entries for 300, 550, 1,000, 1,500, and 2,000 gallon tanks.

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	30,625.03	3,218.04
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	44,650.88	3,964.30
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	61,534.56	4,558.97
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	73,437.89	4,973.43
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	85,311.69	5,470.66
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	94,435.86	6,078.63
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	117,912.16	7,815.28
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	161,399.99	9,117.80
23 13 23 16-0029 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks (23 13 23 16)		
Note: Includes solenoid valve. Excludes piping and concrete pad.		
23 13 23 16-0030 EA 550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	15,645.69	1,508.50
23 13 23 16-0031 EA 750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	16,408.76	1,594.30
23 13 23 16-0032 EA 1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	18,473.67	1,932.48
23 13 23 16-0033 EA 1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	22,129.30	2,415.60
23 13 23 16-0034 EA 2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	28,236.73	3,126.17
Note: Includes 2" solenoid valve.		
23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)		
23 13 23 19-0002 EA Steel Dike For 550 Gallon Tank, Uncoated.....	6,120.25	
23 13 23 19-0003 EA Steel Dike For 1,000 Gallon Tank, Uncoated.....	7,395.96	
23 13 23 19-0004 EA Steel Dike For 2,000 Gallon Tank, Uncoated.....	16,133.13	
23 13 23 19-0005 EA Steel Dike For 3,000 Gallon Tank, Uncoated.....	17,667.02	
23 13 23 19-0006 EA Steel Dike For 5,000 Gallon Tank, Uncoated.....	25,096.02	
23 13 23 19-0007 EA Steel Dike For 6,000 Gallon Tank, Uncoated.....	28,115.96	
23 13 23 19-0008 EA Steel Dike For 8,000 Gallon Tank, Uncoated.....	37,111.32	
23 13 23 19-0009 EA Steel Dike For 10,000 Gallon Tank, Uncoated.....	43,554.86	
23 13 23 19-0010 EA Steel Dike For 12,000 Gallon Tank, Uncoated.....	49,481.80	
23 13 23 19-0011 EA Steel Dike For 15,000 Gallon Tank, Uncoated.....	60,253.36	
23 13 23 19-0012 EA Steel Dike For 20,000 Gallon Tank, Uncoated.....	77,129.92	
23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)		
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank.....	33,975.42	1,892.99
For Low Profile Tanks, Add		12,533.62
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank.....	42,787.03	2,136.99
For Low Profile Tanks, Add		15,922.07
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank.....	75,897.23	2,544.53
For Low Profile Tanks, Add		28,938.69
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank.....	120,273.39	5,596.73
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank.....	137,400.95	6,112.56
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank.....	154,637.01	6,601.11
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank.....	171,844.94	7,163.07
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank.....	189,043.99	7,624.75
23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)		
23 13 33 00-0001 EPA Requirements (23 13 33)		
23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon).....	2,341.36	
23 13 33 00-0003 EA Over-Fill Prevention Valve.....	1,420.20	
23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass.....	4,630.53	
23 13 33 00-0005 EA Tank Manway With Cover, Steel.....	6,256.98	
23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent).....	246.17	
23 13 33 00-0007 EA Reservoir Sensor, Liquid Level.....	756.75	
23 13 33 00-0008 EA Manhole Spill Containment.....	2,802.55	356.57
23 13 33 00-0009 EA Fill Adapter, 4".....	533.51	237.75
23 13 33 00-0010 EA Fill Cap, 4".....	370.94	89.14
23 13 33 00-0011 EA 2" Vent Cap.....	216.66	59.47
23 13 33 00-0012 EA 4" x 2" Extractor Fitting.....	851.77	89.14
23 13 33 00-0013 EA Float Vent Valve.....	496.81	178.28
23 13 33 00-0014 EA Vapor Hose Adapter.....	780.31	118.81
23 13 33 00-0015 EA Dust Cap.....	322.32	64.89
23 13 33 00-0016 EA 1" Double Poppet Foot Valve.....	517.14	101.83
23 13 33 00-0017 EA 10' Wood Gage Stick.....	44.83	
23 13 33 00-0018 EA 1-1/4" Tank Filled Breather, NPT.....	307.03	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 13 33 00-0019 EA 1-1/2" Tank Filled Breather, Bayonet.....	425.83	
				23 13 33 00-0020 EA 2" Cast Iron Combination Fill Cap And Vent.....	104.79	
				23 13 33 00-0021 EA 3" Cast Iron Combination Fill Cap And Vent.....	140.18	
				23 13 33 00-0022 EA 4" Cast Iron Combination Fill Cap And Vent.....	217.91	
				23 13 33 00-0023 EA Pressure And Vacuum Control Vent.....	1,996.62	
				23 13 33 00-0024 EA 1/4 HP Fuel/Diesel Pump Set.....	1,985.69	
				23 13 33 00-0025 EA 1/3 HP Fuel/Diesel Pump Set.....	2,344.86	
				23 13 33 00-0026 EA 1/2 HP Fuel/Diesel Pump Set.....	2,557.98	
				23 13 33 00-0027 EA 3/4 HP Fuel/Diesel Pump Set.....	2,805.72	
				23 13 33 00-0028 EA 1 HP Fuel/Diesel Pump Set.....	3,985.62	
				23 13 33 00-0029 EA 1-1/2 HP Fuel/Diesel Pump Set.....	4,910.89	
				23 13 33 00-0030 EA 2 HP Fuel/Diesel Pump Set.....	5,438.51	
				23 13 33 00-0031 EA 3 HP Fuel/Diesel Pump Set.....	6,670.03	
				23 13 33 00-0032 EA 5 HP Fuel/Diesel Pump Set.....	7,887.00	
				23 13 33 00-0033 EA 7.5 HP Fuel/Diesel Pump Set.....	8,828.85	
				23 13 33 00-0034 EA 10 HP Fuel/Diesel Pump Set.....	10,191.18	
				23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)		
				23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)		
				23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
				23 13 33 00-0038 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	79.83	
				23 13 33 00-0039 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	89.40	
				23 13 33 00-0040 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	98.35	
				23 13 33 00-0041 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	120.92	
				23 13 33 00-0042 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	123.98	
				23 13 33 00-0043 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	167.78	
				23 13 33 00-0044 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	276.23	
				23 13 33 00-0045 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	499.23	
				23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
				23 13 33 00-0047 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	95.22	
				23 13 33 00-0048 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	104.73	
				23 13 33 00-0049 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	114.30	
				23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	145.71	
				23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	155.27	
				23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	196.12	
				23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	314.01	
				23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	552.91	
				23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
				23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	98.72	
				23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	114.80	
				23 13 33 00-0058 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	130.25	
				23 13 33 00-0059 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	170.59	
				23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	227.97	
				23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	365.38	
				23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	584.81	
				23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
				23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	118.24	
				23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	140.77	
				23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread.....	175.67	
				23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	216.53	
				23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	219.58	
				23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread.....	321.81	
				23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread.....	591.98	
				23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread.....	1,074.67	
				23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
				23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	100.60	
				23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread.....	133.00	
				23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	136.07	
				23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	139.12	
				23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread.....	200.81	
				23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread.....	257.52	
				23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0080	EA		1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	491.68	
23 13 33 00-0081	EA		1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	562.19	
23 13 33 00-0082	EA		3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	693.47	
23 13 33 00-0083	EA		1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	801.04	
23 13 33 00-0084	EA		3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	923.67	
23 13 33 00-0085	EA		1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,166.22	
23 13 33 00-0086	EA		1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,517.18	
23 13 33 00-0087	EA		2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,676.90	
23 13 33 00-0088			Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>		
23 13 33 00-0089	EA		3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	499.12	
23 13 33 00-0090	EA		1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	498.24	
23 13 33 00-0091	EA		1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	732.27	
23 13 33 00-0092	EA		2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	746.42	
23 13 33 00-0093	EA		3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	1,013.31	
23 20 HVAC Piping and Pumps			23 <small>(23)</small>		
Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.					
23 21 Hydronic Piping and Pumps			23 20		
23 21 13 Hydronic Piping			23 21		
Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.					
23 21 13 23 Aboveground Hydronic Piping			23 21 13		
23 21 13 23-0001 Threaded Black Steel Pipe			23 21 13 23		
23 21 13 23-0002 Threaded Black Steel Pipe Assemblies			23 21 13 23-0001		
Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.					
23 21 13 23-0003	LF		1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	27.25	5.64
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				6.70	
<i>For Work In Restricted Working Space, Add</i>				5.83	
23 21 13 23-0004	LF		3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	30.01	6.06
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				7.56	
<i>For Work In Restricted Working Space, Add</i>				6.09	
23 21 13 23-0005	LF		1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	33.56	6.63
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				8.65	
<i>For Work In Restricted Working Space, Add</i>				6.43	
23 21 13 23-0006	LF		1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	40.39	6.91
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				10.84	
<i>For Work In Restricted Working Space, Add</i>				6.93	
23 21 13 23-0007	LF		1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	43.30	8.18
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				11.84	
<i>For Work In Restricted Working Space, Add</i>				7.03	
23 21 13 23-0008	LF		2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	52.23	9.86
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				14.58	
<i>For Work In Restricted Working Space, Add</i>				7.92	
23 21 13 23-0009	LF		2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	77.07	11.70
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				22.51	
<i>For Work In Restricted Working Space, Add</i>				9.82	
23 21 13 23-0010	LF		3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	98.11	15.65
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				28.90	
<i>For Work In Restricted Working Space, Add</i>				12.03	
23 21 13 23-0011	LF		4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	137.08	16.61
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>				42.95	
<i>For Work In Restricted Working Space, Add</i>				12.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0012 LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 221.57		21.23
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	72.14	
For Work In Restricted Working Space, Add	14.30	
23 21 13 23-0013 LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 266.47		25.11
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	87.29	
For Work In Restricted Working Space, Add	16.20	
23 21 13 23-0014 Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small>		
Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015 Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small>		
Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
23 21 13 23-0016 LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 10.25		3.52
For Schedule 80 Pipe, Add	2.12	
For Work In Restricted Working Space, Add	2.14	
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 13.78		5.64
For Schedule 80 Pipe, Add	3.21	
For Work In Restricted Working Space, Add	2.57	
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 15.88		6.06
For Schedule 80 Pipe, Add	3.96	
For Work In Restricted Working Space, Add	2.73	
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 18.89		6.63
For Schedule 80 Pipe, Add	5.05	
For Work In Restricted Working Space, Add	2.96	
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe 22.54		6.91
For Schedule 80 Pipe, Add	6.49	
For Work In Restricted Working Space, Add	3.14	
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe 26.72		8.18
For Schedule 80 Pipe, Add	7.73	
For Work In Restricted Working Space, Add	3.68	
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 33.78		9.86
For Schedule 80 Pipe, Add	10.01	
For Work In Restricted Working Space, Add	4.45	
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe 47.54		11.70
For Schedule 80 Pipe, Add	15.23	
For Work In Restricted Working Space, Add	5.29	
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 62.69		15.65
For Schedule 80 Pipe, Add	19.99	
For Work In Restricted Working Space, Add	7.05	
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 83.55		16.61
For Schedule 80 Pipe, Add	28.85	
For Work In Restricted Working Space, Add	7.49	
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 109.62		21.23
For Schedule 80 Pipe, Add	38.20	
For Work In Restricted Working Space, Add	9.54	
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 140.25		25.11
For Schedule 80 Pipe, Add	49.95	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 197.68		30.35
For Schedule 80 Pipe, Add	73.06	
For Work In Restricted Working Space, Add	13.63	
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 271.00		36.98
For Schedule 80 Pipe, Add	102.52	
For Work In Restricted Working Space, Add	16.65	
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 362.60		48.59
For Schedule 80 Pipe, Add	137.67	
For Work In Restricted Working Space, Add	21.86	
23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0032 EA 3/8", 150 LB, Black Malleable Iron 90 Degree Elbow 40.87		20.87
For 300 LB Rating, Add	24.78	
For Standard Weight Cast Iron Fittings, Add	0.15	
For Work In Restricted Working Space, Add	9.40	
23 21 13 23-0033 EA 1/2", 150 LB, Black Malleable Iron 90 Degree Elbow 44.22		25.10
For 300 LB Rating, Add	18.14	
For Standard Weight Cast Iron Fittings, Add	0.11	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0034 EA 3/4", 150 LB, Black Malleable Iron 90 Degree Elbow 50.06		28.06
For 300 LB Rating, Add	21.68	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	12.62	
23 21 13 23-0035 EA 1", 150 LB, Black Malleable Iron 90 Degree Elbow 60.84		31.29
For 300 LB Rating, Add	36.06	
For Standard Weight Cast Iron Fittings, Add	0.22	
For Work In Restricted Working Space, Add	14.10	
23 21 13 23-0036 EA 1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow 76.05		35.53
For 300 LB Rating, Add	58.01	
For Standard Weight Cast Iron Fittings, Add	0.37	
For Work In Restricted Working Space, Add	15.96	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0037 EA 1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	90.04	40.04
For 300 LB Rating, Add	75.72	
For Standard Weight Cast Iron Fittings, Add	0.48	
For Work In Restricted Working Space, Add	18.00	
23 21 13 23-0038 EA 2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	128.03	50.89
For 300 LB Rating, Add	128.96	
For Standard Weight Cast Iron Fittings, Add	0.83	
For Work In Restricted Working Space, Add	22.86	
23 21 13 23-0039 EA 2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	228.24	75.29
For 300 LB Rating, Add	283.85	
For Standard Weight Cast Iron Fittings, Add	1.85	
For Work In Restricted Working Space, Add	33.84	
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	317.34	98.97
For 300 LB Rating, Add	414.36	
For Standard Weight Cast Iron Fittings, Add	2.70	
For Work In Restricted Working Space, Add	44.52	
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	508.61	97.18
For 300 LB Rating, Add	879.66	
For Standard Weight Cast Iron Fittings, Add	5.81	
For Work In Restricted Working Space, Add	43.72	
23 21 13 23-0042 EA 5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	1,212.45	101.43
For 300 LB Rating, Add	2,554.04	
For Standard Weight Cast Iron Fittings, Add	16.97	
For Work In Restricted Working Space, Add	45.62	
23 21 13 23-0043 EA 6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	1,383.87	106.05
For 300 LB Rating, Add	2,949.27	
For Standard Weight Cast Iron Fittings, Add	19.60	
For Work In Restricted Working Space, Add	47.69	
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0045 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	47.04	22.98
For 300 LB Rating, Add	32.28	
For Standard Weight Cast Iron Fittings, Add	0.20	
For Work In Restricted Working Space, Add	10.34	
23 21 13 23-0046 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	52.80	26.51
For 300 LB Rating, Add	33.49	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	11.95	
23 21 13 23-0047 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	54.82	24.53
For 300 LB Rating, Add	45.67	
For Standard Weight Cast Iron Fittings, Add	0.29	
For Work In Restricted Working Space, Add	11.01	
23 21 13 23-0048 EA 1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	61.19	29.74
For 300 LB Rating, Add	42.63	
For Standard Weight Cast Iron Fittings, Add	0.27	
For Work In Restricted Working Space, Add	13.36	
23 21 13 23-0049 EA 1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	60.25	28.20
For 300 LB Rating, Add	45.64	
For Standard Weight Cast Iron Fittings, Add	0.29	
For Work In Restricted Working Space, Add	12.69	
23 21 13 23-0050 EA 1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	74.52	26.08
For 300 LB Rating, Add	87.19	
For Standard Weight Cast Iron Fittings, Add	0.57	
For Work In Restricted Working Space, Add	11.75	
23 21 13 23-0051 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	78.06	33.42
For 300 LB Rating, Add	70.13	
For Standard Weight Cast Iron Fittings, Add	0.45	
For Work In Restricted Working Space, Add	15.03	
23 21 13 23-0052 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	78.85	31.72
For 300 LB Rating, Add	77.79	
For Standard Weight Cast Iron Fittings, Add	0.50	
For Work In Restricted Working Space, Add	14.29	
23 21 13 23-0053 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	81.86	30.31
For 300 LB Rating, Add	90.25	
For Standard Weight Cast Iron Fittings, Add	0.58	
For Work In Restricted Working Space, Add	13.62	
23 21 13 23-0054 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	96.06	37.78
For 300 LB Rating, Add	98.12	
For Standard Weight Cast Iron Fittings, Add	0.63	
For Work In Restricted Working Space, Add	16.98	
23 21 13 23-0055 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	92.96	35.67
For 300 LB Rating, Add	97.94	
For Standard Weight Cast Iron Fittings, Add	0.63	
For Work In Restricted Working Space, Add	16.05	
23 21 13 23-0056 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	96.20	33.98
For 300 LB Rating, Add	111.47	
For Standard Weight Cast Iron Fittings, Add	0.72	
For Work In Restricted Working Space, Add	15.31	
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	125.28	45.39
For 300 LB Rating, Add	141.32	
For Standard Weight Cast Iron Fittings, Add	0.91	
For Work In Restricted Working Space, Add	20.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0058 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	129.69	43.14
For 300 LB Rating, Add	159.86	
For Standard Weight Cast Iron Fittings, Add	1.04	
For Work In Restricted Working Space, Add	19.41	
23 21 13 23-0059 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	126.58	41.03
For 300 LB Rating, Add	159.67	
For Standard Weight Cast Iron Fittings, Add	1.04	
For Work In Restricted Working Space, Add	18.48	
23 21 13 23-0060 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	128.04	39.48
For 300 LB Rating, Add	168.91	
For Standard Weight Cast Iron Fittings, Add	1.10	
For Work In Restricted Working Space, Add	17.74	
23 21 13 23-0061 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	251.43	63.02
For 300 LB Rating, Add	382.30	
For Standard Weight Cast Iron Fittings, Add	2.51	
For Work In Restricted Working Space, Add	28.35	
23 21 13 23-0062 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	252.56	57.66
For 300 LB Rating, Add	403.99	
For Standard Weight Cast Iron Fittings, Add	2.66	
For Work In Restricted Working Space, Add	25.92	
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	424.28	87.12
For 300 LB Rating, Add	712.69	
For Standard Weight Cast Iron Fittings, Add	4.70	
For Work In Restricted Working Space, Add	39.18	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	366.00	74.87
For 300 LB Rating, Add	615.62	
For Standard Weight Cast Iron Fittings, Add	4.06	
For Work In Restricted Working Space, Add	33.69	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	640.53	92.43
For 300 LB Rating, Add	1,212.92	
For Standard Weight Cast Iron Fittings, Add	8.03	
For Work In Restricted Working Space, Add	41.58	
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	45.70	20.87
For 300 LB Rating, Add	36.37	
For Standard Weight Cast Iron Fittings, Add	0.23	
For Work In Restricted Working Space, Add	9.40	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	48.53	25.10
For 300 LB Rating, Add	28.49	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	55.58	28.06
For 300 LB Rating, Add	34.92	
For Standard Weight Cast Iron Fittings, Add	0.22	
For Work In Restricted Working Space, Add	12.62	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow	63.99	31.29
For 300 LB Rating, Add	43.62	
For Standard Weight Cast Iron Fittings, Add	0.27	
For Work In Restricted Working Space, Add	14.10	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	83.29	35.53
For 300 LB Rating, Add	75.38	
For Standard Weight Cast Iron Fittings, Add	0.48	
For Work In Restricted Working Space, Add	15.96	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	97.20	40.04
For 300 LB Rating, Add	92.90	
For Standard Weight Cast Iron Fittings, Add	0.60	
For Work In Restricted Working Space, Add	18.00	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow	132.46	50.89
For 300 LB Rating, Add	139.60	
For Standard Weight Cast Iron Fittings, Add	0.90	
For Work In Restricted Working Space, Add	22.86	
23 21 13 23-0074 EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	275.59	75.29
For 300 LB Rating, Add	397.49	
For Standard Weight Cast Iron Fittings, Add	2.60	
For Work In Restricted Working Space, Add	33.84	
23 21 13 23-0075 EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow	359.86	98.97
For 300 LB Rating, Add	516.41	
For Standard Weight Cast Iron Fittings, Add	3.38	
For Work In Restricted Working Space, Add	44.52	
23 21 13 23-0076 EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow	560.39	97.18
For 300 LB Rating, Add	1,003.93	
For Standard Weight Cast Iron Fittings, Add	6.63	
For Work In Restricted Working Space, Add	43.72	
23 21 13 23-0077 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow	1,790.01	101.43
For 300 LB Rating, Add	3,940.18	
For Standard Weight Cast Iron Fittings, Add	26.21	
For Work In Restricted Working Space, Add	45.62	
23 21 13 23-0078 EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow	1,834.77	106.05
For 300 LB Rating, Add	4,031.43	
For Standard Weight Cast Iron Fittings, Add	26.81	
For Work In Restricted Working Space, Add	47.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0079 Black Malleable Iron Tees <small>(23 21 13 23-0014)</small>		
23 21 13 23-0080 EA 3/8", 150 LB, Black Malleable Iron Tee.....	53.01	25.80
For 300 LB Rating, Add	35.59	
For Standard Weight Cast Iron Fittings, Add	0.22	
For Work In Restricted Working Space, Add	11.75	
23 21 13 23-0081 EA 1/2", 150 LB, Black Malleable Iron Tee.....	55.83	31.29
For 300 LB Rating, Add	24.04	
For Standard Weight Cast Iron Fittings, Add	0.14	
For Work In Restricted Working Space, Add	14.10	
23 21 13 23-0082 EA 3/4", 150 LB, Black Malleable Iron Tee.....	66.90	36.23
For 300 LB Rating, Add	33.69	
For Standard Weight Cast Iron Fittings, Add	0.20	
For Work In Restricted Working Space, Add	16.27	
23 21 13 23-0083 EA 1", 150 LB, Black Malleable Iron Tee.....	85.82	42.72
For 300 LB Rating, Add	56.00	
For Standard Weight Cast Iron Fittings, Add	0.35	
For Work In Restricted Working Space, Add	19.23	
23 21 13 23-0084 EA 1-1/4", 150 LB, Black Malleable Iron Tee.....	111.38	50.89
For 300 LB Rating, Add	89.00	
For Standard Weight Cast Iron Fittings, Add	0.56	
For Work In Restricted Working Space, Add	22.86	
23 21 13 23-0085 EA 1-1/2", 150 LB, Black Malleable Iron Tee.....	134.70	60.63
For 300 LB Rating, Add	110.46	
For Standard Weight Cast Iron Fittings, Add	0.70	
For Work In Restricted Working Space, Add	27.29	
23 21 13 23-0086 EA 2", 150 LB, Black Malleable Iron Tee.....	187.36	75.29
For 300 LB Rating, Add	185.74	
For Standard Weight Cast Iron Fittings, Add	1.19	
For Work In Restricted Working Space, Add	33.84	
23 21 13 23-0087 EA 2-1/2", 150 LB, Black Malleable Iron Tee.....	309.17	98.97
For 300 LB Rating, Add	394.75	
For Standard Weight Cast Iron Fittings, Add	2.57	
For Work In Restricted Working Space, Add	44.52	
23 21 13 23-0088 EA 3", 150 LB, Black Malleable Iron Tee.....	413.03	117.58
For 300 LB Rating, Add	578.89	
For Standard Weight Cast Iron Fittings, Add	3.79	
For Work In Restricted Working Space, Add	52.87	
23 21 13 23-0089 EA 4", 150 LB, Black Malleable Iron Tee.....	756.44	122.79
For 300 LB Rating, Add	1,384.71	
For Standard Weight Cast Iron Fittings, Add	9.16	
For Work In Restricted Working Space, Add	55.22	
23 21 13 23-0090 EA 5", 150 LB, Black Malleable Iron Tee.....	1,953.04	145.77
For 300 LB Rating, Add	4,175.77	
For Standard Weight Cast Iron Fittings, Add	27.75	
For Work In Restricted Working Space, Add	65.58	
23 21 13 23-0091 EA 6", 150 LB, Black Malleable Iron Tee.....	2,111.19	166.63
For 300 LB Rating, Add	4,482.25	
For Standard Weight Cast Iron Fittings, Add	29.78	
For Work In Restricted Working Space, Add	74.95	
23 21 13 23-0092 Black Malleable Iron Reducing Tees <small>(23 21 13 23-0014)</small>		
23 21 13 23-0093 EA 1/2", 150 LB, Black Malleable Iron Reducing Tee.....	62.03	31.29
For 300 LB Rating, Add	38.92	
For Standard Weight Cast Iron Fittings, Add	0.24	
For Work In Restricted Working Space, Add	14.10	
23 21 13 23-0094 EA 3/4", 150 LB, Black Malleable Iron Reducing Tee.....	73.84	36.23
For 300 LB Rating, Add	50.34	
For Standard Weight Cast Iron Fittings, Add	0.31	
For Work In Restricted Working Space, Add	16.27	
23 21 13 23-0095 EA 1", 150 LB, Black Malleable Iron Reducing Tee.....	88.84	42.72
For 300 LB Rating, Add	63.25	
For Standard Weight Cast Iron Fittings, Add	0.40	
For Work In Restricted Working Space, Add	19.23	
23 21 13 23-0096 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	124.86	50.89
For 300 LB Rating, Add	121.36	
For Standard Weight Cast Iron Fittings, Add	0.78	
For Work In Restricted Working Space, Add	22.86	
23 21 13 23-0097 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	144.86	60.63
For 300 LB Rating, Add	134.84	
For Standard Weight Cast Iron Fittings, Add	0.86	
For Work In Restricted Working Space, Add	27.29	
23 21 13 23-0098 EA 2", 150 LB, Black Malleable Iron Reducing Tee.....	191.05	75.29
For 300 LB Rating, Add	194.59	
For Standard Weight Cast Iron Fittings, Add	1.25	
For Work In Restricted Working Space, Add	33.84	
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	392.26	98.97
For 300 LB Rating, Add	594.17	
For Standard Weight Cast Iron Fittings, Add	3.90	
For Work In Restricted Working Space, Add	44.52	
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee.....	455.55	117.58
For 300 LB Rating, Add	680.94	
For Standard Weight Cast Iron Fittings, Add	4.47	
For Work In Restricted Working Space, Add	52.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0101 EA 4", 150 LB, Black Malleable Iron Reducing Tee.....	861.48	122.79
<i>For 300 LB Rating, Add</i>	1,636.80	
<i>For Standard Weight Cast Iron Fittings, Add</i>	10.84	
<i>For Work In Restricted Working Space, Add</i>	55.22	
23 21 13 23-0102 EA 5", 150 LB, Black Malleable Iron Reducing Tee.....	1,789.82	145.77
<i>For 300 LB Rating, Add</i>	3,784.04	
<i>For Standard Weight Cast Iron Fittings, Add</i>	25.14	
<i>For Work In Restricted Working Space, Add</i>	65.58	
23 21 13 23-0103 EA 6", 150 LB, Black Malleable Iron Reducing Tee.....	2,031.96	166.63
<i>For 300 LB Rating, Add</i>	4,292.10	
<i>For Standard Weight Cast Iron Fittings, Add</i>	28.51	
<i>For Work In Restricted Working Space, Add</i>	74.95	
23 21 13 23-0104 Black Malleable Iron Couplings <small>(23 21 13 23-0014)</small>		
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	43.20	20.87
<i>For 300 LB Rating, Add</i>	30.37	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	9.40	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	46.74	25.10
<i>For 300 LB Rating, Add</i>	24.19	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	52.78	28.06
<i>For 300 LB Rating, Add</i>	28.20	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	12.62	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	63.02	31.29
<i>For 300 LB Rating, Add</i>	41.29	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.26	
<i>For Work In Restricted Working Space, Add</i>	14.10	
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	73.97	35.53
<i>For 300 LB Rating, Add</i>	53.02	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.33	
<i>For Work In Restricted Working Space, Add</i>	15.96	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	88.04	40.04
<i>For 300 LB Rating, Add</i>	70.92	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	18.00	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	117.77	50.89
<i>For 300 LB Rating, Add</i>	104.34	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.67	
<i>For Work In Restricted Working Space, Add</i>	22.86	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	227.50	75.29
<i>For 300 LB Rating, Add</i>	282.07	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.84	
<i>For Work In Restricted Working Space, Add</i>	33.84	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	303.49	98.97
<i>For 300 LB Rating, Add</i>	381.12	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.48	
<i>For Work In Restricted Working Space, Add</i>	44.52	
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	458.07	97.18
<i>For 300 LB Rating, Add</i>	758.36	
<i>For Standard Weight Cast Iron Fittings, Add</i>	5.00	
<i>For Work In Restricted Working Space, Add</i>	43.72	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	1,031.56	101.43
<i>For 300 LB Rating, Add</i>	2,119.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	45.62	
23 21 13 23-0116 EA 6", 150 LB, Black Malleable Iron Coupling.....	1,160.94	106.05
<i>For 300 LB Rating, Add</i>	2,414.24	
<i>For Standard Weight Cast Iron Fittings, Add</i>	16.03	
<i>For Work In Restricted Working Space, Add</i>	47.69	
23 21 13 23-0117 Black Malleable Iron Reducing Couplings <small>(23 21 13 23-0014)</small>		
23 21 13 23-0118 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	48.95	25.10
<i>For 300 LB Rating, Add</i>	29.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21 13 23-0119 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	54.10	28.06
<i>For 300 LB Rating, Add</i>	31.37	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	12.62	
23 21 13 23-0120 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	65.70	31.29
<i>For 300 LB Rating, Add</i>	47.72	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	14.10	
23 21 13 23-0121 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	77.27	35.53
<i>For 300 LB Rating, Add</i>	60.94	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.38	
<i>For Work In Restricted Working Space, Add</i>	15.96	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0122 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.39 76.56 0.49 18.00	40.04
23 21 13 23-0123 EA 2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.25 110.29 0.70 22.86	50.89
23 21 13 23-0124 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.98 319.22 2.08 33.84	75.29
23 21 13 23-0125 EA 3", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.66 388.73 2.53 44.52	98.97
23 21 13 23-0126 EA 4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	462.95 770.07 5.08 43.72	97.18
23 21 13 23-0127 EA 5", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	865.08 1,720.35 11.41 45.62	101.43
23 21 13 23-0128 EA 6", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,074.77 2,207.43 14.65 47.69	106.05
23 21 13 23-0129 Black Malleable Iron Caps <small>(23 21 13 23-0014)</small>		
23 21 13 23-0130 EA 1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.60 17.07 0.11 5.07	11.14
23 21 13 23-0131 EA 3/4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.97 22.83 0.14 5.68	12.55
23 21 13 23-0132 EA 1", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.10 27.55 0.18 6.35	13.96
23 21 13 23-0133 EA 1-1/4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.36 36.04 0.23 7.18	15.79
23 21 13 23-0134 EA 1-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.82 49.19 0.32 8.10	17.77
23 21 13 23-0135 EA 2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.23 71.51 0.46 10.29	22.70
23 21 13 23-0136 EA 2-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.15 162.41 1.06 15.23	33.56
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.69 238.99 1.57 20.03	44.12
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.48 406.89 2.69 19.67	43.34
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	468.60 964.51 6.40 20.53	45.21
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	805.08 1,764.79 11.74 21.46	47.22
23 21 13 23-0141 Black Malleable Iron Unions <small>(23 21 13 23-0014)</small>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	63.39 9.40	20.87
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	76.00 14.10	31.29
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	87.57 16.27	36.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union.....	107.57	42.72
<i>For Work In Restricted Working Space, Add</i>	19.23	
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union	138.56	50.89
<i>For Work In Restricted Working Space, Add</i>	22.86	
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union	168.69	60.63
<i>For Work In Restricted Working Space, Add</i>	27.29	
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union.....	203.19	75.29
<i>For Work In Restricted Working Space, Add</i>	33.84	
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union	435.82	110.96
<i>For Work In Restricted Working Space, Add</i>	49.95	
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union.....	543.30	145.92
<i>For Work In Restricted Working Space, Add</i>	65.72	
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union.....	73.69	20.87
<i>For Work In Restricted Working Space, Add</i>	9.40	
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union.....	95.60	31.29
<i>For Work In Restricted Working Space, Add</i>	14.10	
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union.....	102.04	36.23
<i>For Work In Restricted Working Space, Add</i>	16.27	
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union.....	122.75	42.72
<i>For Work In Restricted Working Space, Add</i>	19.22	
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union	174.63	50.89
<i>For Work In Restricted Working Space, Add</i>	22.86	
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union	204.28	60.63
<i>For Work In Restricted Working Space, Add</i>	27.29	
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union.....	258.17	75.29
<i>For Work In Restricted Working Space, Add</i>	33.84	
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union	622.19	110.96
<i>For Work In Restricted Working Space, Add</i>	49.95	
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union.....	752.38	145.92
<i>For Work In Restricted Working Space, Add</i>	65.72	
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union.....	1,160.43	143.41
<i>For Work In Restricted Working Space, Add</i>	64.54	
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union.....	100.07	20.87
<i>For Work In Restricted Working Space, Add</i>	9.40	
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union.....	102.61	31.29
<i>For Work In Restricted Working Space, Add</i>	14.10	
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union.....	115.81	36.23
<i>For Work In Restricted Working Space, Add</i>	16.27	
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union.....	144.50	42.72
<i>For Work In Restricted Working Space, Add</i>	19.22	
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union	207.36	50.89
<i>For Work In Restricted Working Space, Add</i>	22.86	
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union	228.31	60.63
<i>For Work In Restricted Working Space, Add</i>	27.29	
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union.....	282.92	75.29
<i>For Work In Restricted Working Space, Add</i>	33.84	
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union	715.02	110.96
<i>For Work In Restricted Working Space, Add</i>	49.95	
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union.....	928.68	145.92
<i>For Work In Restricted Working Space, Add</i>	65.72	
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union.....	2,467.37	143.41
<i>For Work In Restricted Working Space, Add</i>	64.54	
23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple.....	25.04	13.39
<i>For Schedule 80 Nipples, Add</i>	2.45	
<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21 13 23-0173 EA 1/2" x Close, Schedule 40 Black Steel Nipple.....	24.27	13.39
<i>For Schedule 80 Nipples, Add</i>	2.07	
<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21 13 23-0174 EA 3/4" x Close, Schedule 40 Black Steel Nipple.....	24.89	13.39
<i>For Schedule 80 Nipples, Add</i>	2.38	
<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21 13 23-0175 EA 1" x Close, Schedule 40 Black Steel Nipple.....	28.58	14.52
<i>For Schedule 80 Nipples, Add</i>	3.45	
<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-0176 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple	32.23	15.65
<i>For Schedule 80 Nipples, Add</i>	4.37	
<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21 13 23-0177 EA 1-1/2" x Close, Schedule 40 Black Steel Nipple	34.37	15.65
<i>For Schedule 80 Nipples, Add</i>	5.44	
<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21 13 23-0178 EA 2" x Close, Schedule 40 Black Steel Nipple.....	45.12	20.16
<i>For Schedule 80 Nipples, Add</i>	7.40	
<i>For Work In Restricted Working Space, Add</i>	9.10	
23 21 13 23-0179 EA 2-1/2" x Close, Schedule 40 Black Steel Nipple	83.94	25.10
<i>For Schedule 80 Nipples, Add</i>	23.17	
<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21 13 23-0180 EA 3" x Close, Schedule 40 Black Steel Nipple.....	100.54	30.31
<i>For Schedule 80 Nipples, Add</i>	27.53	
<i>For Work In Restricted Working Space, Add</i>	13.64	
23 21 13 23-0181 EA 4" x Close, Schedule 40 Black Steel Nipple.....	132.89	33.35
<i>For Schedule 80 Nipples, Add</i>	41.46	
<i>For Work In Restricted Working Space, Add</i>	14.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	25.70	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	24.27	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	25.24	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.55	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	25.70	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	24.27	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	25.24	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.55	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	29.24	14.52
			<i>For Schedule 80 Nipples, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	33.40	15.65
			<i>For Schedule 80 Nipples, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	35.24	15.65
			<i>For Schedule 80 Nipples, Add</i>	5.87	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	27.28	13.39
			<i>For Schedule 80 Nipples, Add</i>	3.57	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	25.04	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.45	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	25.91	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.89	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	29.70	14.52
			<i>For Schedule 80 Nipples, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	34.01	15.65
			<i>For Schedule 80 Nipples, Add</i>	5.26	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	36.61	15.65
			<i>For Schedule 80 Nipples, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	47.31	20.16
			<i>For Schedule 80 Nipples, Add</i>	8.50	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	27.28	13.39
			<i>For Schedule 80 Nipples, Add</i>	3.57	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	25.04	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.45	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	25.91	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.89	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	29.70	14.52
			<i>For Schedule 80 Nipples, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	34.01	15.65
			<i>For Schedule 80 Nipples, Add</i>	5.26	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	36.61	15.65
			<i>For Schedule 80 Nipples, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	47.31	20.16
			<i>For Schedule 80 Nipples, Add</i>	8.50	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	85.16	25.10
			<i>For Schedule 80 Nipples, Add</i>	23.78	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	105.34	30.31
			<i>For Schedule 80 Nipples, Add</i>	29.93	
			<i>For Work In Restricted Working Space, Add</i>	13.64	
23 21	13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.56	13.39
			<i>For Schedule 80 Nipples, Add</i>	4.21	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	26.01	13.39
			<i>For Schedule 80 Nipples, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	27.28	13.39
			<i>For Schedule 80 Nipples, Add</i>	3.57	
			<i>For Work In Restricted Working Space, Add</i>	6.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	31.59	14.52
For Schedule 80 Nipples, Add	4.95	
For Work In Restricted Working Space, Add	6.51	
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	35.95	15.65
For Schedule 80 Nipples, Add	6.23	
For Work In Restricted Working Space, Add	7.05	
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	38.20	15.65
For Schedule 80 Nipples, Add	7.35	
For Work In Restricted Working Space, Add	7.05	
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	50.89	20.16
For Schedule 80 Nipples, Add	10.29	
For Work In Restricted Working Space, Add	9.10	
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	93.53	25.10
For Schedule 80 Nipples, Add	27.97	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	116.36	30.31
For Schedule 80 Nipples, Add	35.44	
For Work In Restricted Working Space, Add	13.64	
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	28.56	13.39
For Schedule 80 Nipples, Add	4.21	
For Work In Restricted Working Space, Add	6.04	
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	26.01	13.39
For Schedule 80 Nipples, Add	2.94	
For Work In Restricted Working Space, Add	6.04	
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	27.28	13.39
For Schedule 80 Nipples, Add	3.57	
For Work In Restricted Working Space, Add	6.04	
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple.....	31.59	14.52
For Schedule 80 Nipples, Add	4.95	
For Work In Restricted Working Space, Add	6.51	
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	35.95	15.65
For Schedule 80 Nipples, Add	6.23	
For Work In Restricted Working Space, Add	7.05	
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	38.20	15.65
For Schedule 80 Nipples, Add	7.35	
For Work In Restricted Working Space, Add	7.05	
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple.....	50.89	20.16
For Schedule 80 Nipples, Add	10.29	
For Work In Restricted Working Space, Add	9.10	
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	93.53	25.10
For Schedule 80 Nipples, Add	27.97	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple.....	116.36	30.31
For Schedule 80 Nipples, Add	35.44	
For Work In Restricted Working Space, Add	13.64	
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple.....	145.91	33.35
For Schedule 80 Nipples, Add	47.97	
For Work In Restricted Working Space, Add	14.99	
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	32.29	13.39
For Schedule 80 Nipples, Add	6.08	
For Work In Restricted Working Space, Add	6.04	
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	27.03	13.39
For Schedule 80 Nipples, Add	3.45	
For Work In Restricted Working Space, Add	6.04	
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.12	13.39
For Schedule 80 Nipples, Add	4.49	
For Work In Restricted Working Space, Add	6.04	
23 21 13 23-0229 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	33.43	14.52
For Schedule 80 Nipples, Add	5.87	
For Work In Restricted Working Space, Add	6.51	
23 21 13 23-0230 EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	38.40	15.65
For Schedule 80 Nipples, Add	7.45	
For Work In Restricted Working Space, Add	7.05	
23 21 13 23-0231 EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	41.46	15.65
For Schedule 80 Nipples, Add	8.98	
For Work In Restricted Working Space, Add	7.05	
23 21 13 23-0232 EA 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	54.00	20.16
For Schedule 80 Nipples, Add	11.84	
For Work In Restricted Working Space, Add	9.10	
23 21 13 23-0233 EA 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	99.04	25.10
For Schedule 80 Nipples, Add	30.72	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0234 EA 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	123.66	30.31
For Schedule 80 Nipples, Add	39.09	
For Work In Restricted Working Space, Add	13.64	
23 21 13 23-0235 EA 4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	159.58	33.35
For Schedule 80 Nipples, Add	54.81	
For Work In Restricted Working Space, Add	14.99	
23 21 13 23-0236 EA 3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	32.29	13.39
For Schedule 80 Nipples, Add	6.08	
For Work In Restricted Working Space, Add	6.04	
23 21 13 23-0237 EA 1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	27.03	13.39
For Schedule 80 Nipples, Add	3.45	
For Work In Restricted Working Space, Add	6.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	29.12	13.39
			<i>For Schedule 80 Nipples, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	33.43	14.52
			<i>For Schedule 80 Nipples, Add</i>	5.87	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	38.40	15.65
			<i>For Schedule 80 Nipples, Add</i>	7.45	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	41.46	15.65
			<i>For Schedule 80 Nipples, Add</i>	8.98	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	54.00	20.16
			<i>For Schedule 80 Nipples, Add</i>	11.84	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	99.04	25.10
			<i>For Schedule 80 Nipples, Add</i>	30.72	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	123.66	30.31
			<i>For Schedule 80 Nipples, Add</i>	39.09	
			<i>For Work In Restricted Working Space, Add</i>	13.64	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	159.58	33.35
			<i>For Schedule 80 Nipples, Add</i>	54.81	
			<i>For Work In Restricted Working Space, Add</i>	14.99	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	33.66	13.39
			<i>For Schedule 80 Nipples, Add</i>	6.76	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	27.85	13.39
			<i>For Schedule 80 Nipples, Add</i>	3.86	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	30.35	13.39
			<i>For Schedule 80 Nipples, Add</i>	5.11	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	35.57	14.52
			<i>For Schedule 80 Nipples, Add</i>	6.94	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	41.16	15.65
			<i>For Schedule 80 Nipples, Add</i>	8.83	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	44.12	15.65
			<i>For Schedule 80 Nipples, Add</i>	10.31	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	58.08	20.16
			<i>For Schedule 80 Nipples, Add</i>	13.88	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	101.64	25.10
			<i>For Schedule 80 Nipples, Add</i>	32.02	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	130.45	30.31
			<i>For Schedule 80 Nipples, Add</i>	42.49	
			<i>For Work In Restricted Working Space, Add</i>	13.64	
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	167.14	33.35
			<i>For Schedule 80 Nipples, Add</i>	58.59	
			<i>For Work In Restricted Working Space, Add</i>	14.99	
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	43.87	13.39
			<i>For Schedule 80 Nipples, Add</i>	11.87	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	34.02	13.39
			<i>For Schedule 80 Nipples, Add</i>	6.94	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	37.13	13.39
			<i>For Schedule 80 Nipples, Add</i>	8.50	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	44.40	14.52
			<i>For Schedule 80 Nipples, Add</i>	11.36	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	52.03	15.65
			<i>For Schedule 80 Nipples, Add</i>	14.27	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	56.21	15.65
			<i>For Schedule 80 Nipples, Add</i>	16.36	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	76.86	20.16
			<i>For Schedule 80 Nipples, Add</i>	23.27	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
23 21	13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	119.10	25.10
			<i>For Schedule 80 Nipples, Add</i>	40.75	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	160.09	30.31
			<i>For Schedule 80 Nipples, Add</i>	57.31	
			<i>For Work In Restricted Working Space, Add</i>	13.64	
23 21	13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	185.20	33.35
			<i>For Schedule 80 Nipples, Add</i>	67.62	
			<i>For Work In Restricted Working Space, Add</i>	14.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.78 13.32 6.04	13.39
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.83 8.35 6.04	13.39
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.89 9.88 6.04	13.39
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.23 13.27 6.51	14.52
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.69 17.10 7.05	15.65
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.77 19.14 7.05	15.65
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.02 27.35 9.10	20.16
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.15 45.78 11.28	25.10
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.23 64.38 13.64	30.31
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.98 77.01 14.99	33.35
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.45 15.16 6.04	13.39
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.94 9.90 6.04	13.39
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.08 10.97 6.04	13.39
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.16 15.24 6.51	14.52
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.28 19.39 7.05	15.65
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.59 22.05 7.05	15.65
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.29 31.49 9.10	20.16
23 21 13 23-0283 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.46 50.93 11.28	25.10
23 21 13 23-0284 EA 3" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.37 71.45 13.64	30.31
23 21 13 23-0285 EA 4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.52 90.28 14.99	33.35
23 21 13 23-0286 Black Malleable Iron Bushing (23 21 13 23-0014)		
23 21 13 23-0287 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	44.61 10.34	22.98
23 21 13 23-0288 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	51.67 11.11	24.67
23 21 13 23-0289 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	54.48 11.95	26.51
23 21 13 23-0290 EA 1" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.67 11.84	26.37
23 21 13 23-0291 EA 1" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	57.38 12.69	28.20
23 21 13 23-0292 EA 1" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.63 13.36	29.74
23 21 13 23-0293 EA 1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	65.22 12.77	28.34
23 21 13 23-0294 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	67.02 13.62	30.31
23 21 13 23-0295 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	67.10 14.29	31.72
23 21 13 23-0296 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.56 15.03	33.42
23 21 13 23-0297 EA 1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	75.85 13.79	30.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0298 EA 1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	73.42	32.57
<i>For Work In Restricted Working Space, Add</i>	14.64	
23 21 13 23-0299 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	75.66	33.98
<i>For Work In Restricted Working Space, Add</i>	15.31	
23 21 13 23-0300 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	75.12	35.67
<i>For Work In Restricted Working Space, Add</i>	16.05	
23 21 13 23-0301 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	81.29	37.78
<i>For Work In Restricted Working Space, Add</i>	16.98	
23 21 13 23-0302 EA 2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	96.27	36.09
<i>For Work In Restricted Working Space, Add</i>	16.22	
23 21 13 23-0303 EA 2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	94.09	37.92
<i>For Work In Restricted Working Space, Add</i>	17.07	
23 21 13 23-0304 EA 2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	90.60	39.48
<i>For Work In Restricted Working Space, Add</i>	17.74	
23 21 13 23-0305 EA 2" x 1", 150 LB, Black Malleable Iron Bushing.....	91.07	41.03
<i>For Work In Restricted Working Space, Add</i>	18.48	
23 21 13 23-0306 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	94.18	43.14
<i>For Work In Restricted Working Space, Add</i>	19.41	
23 21 13 23-0307 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	100.90	45.39
<i>For Work In Restricted Working Space, Add</i>	20.43	
23 21 13 23-0308 EA 2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	131.00	51.60
<i>For Work In Restricted Working Space, Add</i>	23.23	
23 21 13 23-0309 EA 2-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	133.45	53.30
<i>For Work In Restricted Working Space, Add</i>	23.97	
23 21 13 23-0310 EA 2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	136.56	55.27
<i>For Work In Restricted Working Space, Add</i>	24.90	
23 21 13 23-0311 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	136.29	57.66
<i>For Work In Restricted Working Space, Add</i>	25.92	
23 21 13 23-0312 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Bushing.....	144.00	63.02
<i>For Work In Restricted Working Space, Add</i>	28.35	
23 21 13 23-0313 EA 3" x 3/4", 150 LB, Black Malleable Iron Bushing.....	169.33	63.44
<i>For Work In Restricted Working Space, Add</i>	28.58	
23 21 13 23-0314 EA 3" x 1", 150 LB, Black Malleable Iron Bushing.....	171.78	65.13
<i>For Work In Restricted Working Space, Add</i>	29.31	
23 21 13 23-0315 EA 3" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	174.88	67.25
<i>For Work In Restricted Working Space, Add</i>	30.24	
23 21 13 23-0316 EA 3" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	176.84	69.51
<i>For Work In Restricted Working Space, Add</i>	31.26	
23 21 13 23-0317 EA 3" x 2", 150 LB, Black Malleable Iron Bushing.....	180.18	74.87
<i>For Work In Restricted Working Space, Add</i>	33.69	
23 21 13 23-0318 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	199.49	87.12
<i>For Work In Restricted Working Space, Add</i>	39.18	
23 21 13 23-0319 EA 4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	233.61	60.96
<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-0320 EA 4" x 1", 150 LB, Black Malleable Iron Bushing.....	235.77	62.46
<i>For Work In Restricted Working Space, Add</i>	28.10	
23 21 13 23-0321 EA 4" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	238.52	64.33
<i>For Work In Restricted Working Space, Add</i>	28.93	
23 21 13 23-0322 EA 4" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	241.53	66.33
<i>For Work In Restricted Working Space, Add</i>	29.83	
23 21 13 23-0323 EA 4" x 2", 150 LB, Black Malleable Iron Bushing.....	241.09	71.08
<i>For Work In Restricted Working Space, Add</i>	31.99	
23 21 13 23-0324 EA 4" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	257.29	81.94
<i>For Work In Restricted Working Space, Add</i>	36.85	
23 21 13 23-0325 EA 4" x 3", 150 LB, Black Malleable Iron Bushing.....	273.07	92.43
<i>For Work In Restricted Working Space, Add</i>	41.58	
23 21 13 23-0326 Black Malleable Iron Square Head Plugs <small>(23 21 13 23-0014)</small>		
23 21 13 23-0327 EA 3/8", 150 LB, Black Malleable Iron Square Head Plug.....	20.28	8.32
<i>For Work In Restricted Working Space, Add</i>	3.76	
23 21 13 23-0328 EA 1/2", 150 LB, Black Malleable Iron Square Head Plug.....	23.31	10.01
<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21 13 23-0329 EA 3/4", 150 LB, Black Malleable Iron Square Head Plug.....	25.10	11.28
<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0330 EA 1", 150 LB, Black Malleable Iron Square Head Plug.....	29.20	12.55
<i>For Work In Restricted Working Space, Add</i>	5.64	
23 21 13 23-0331 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug.....	34.39	14.24
<i>For Work In Restricted Working Space, Add</i>	6.38	
23 21 13 23-0332 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	42.27	15.93
<i>For Work In Restricted Working Space, Add</i>	7.20	
23 21 13 23-0333 EA 2", 150 LB, Black Malleable Iron Square Head Plug.....	56.47	20.30
<i>For Work In Restricted Working Space, Add</i>	9.14	
23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	92.41	30.03
<i>For Work In Restricted Working Space, Add</i>	13.53	
23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug.....	124.31	39.62
<i>For Work In Restricted Working Space, Add</i>	17.81	
23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug.....	194.50	38.85
<i>For Work In Restricted Working Space, Add</i>	17.49	
23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug.....	353.40	40.59
<i>For Work In Restricted Working Space, Add</i>	18.25	
23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug.....	425.99	42.35
<i>For Work In Restricted Working Space, Add</i>	19.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges <small>(23 21 13 23-0014)</small>		
<small>Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.</small>		
23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange.....	232.89	56.39
<i>For Work In Restricted Working Space, Add</i>	25.38	
23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange.....	189.90	63.72
<i>For Work In Restricted Working Space, Add</i>	28.67	
23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange.....	211.77	65.98
<i>For Work In Restricted Working Space, Add</i>	29.68	
23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange.....	211.90	71.76
<i>For Work In Restricted Working Space, Add</i>	32.29	
23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange.....	216.39	74.87
<i>For Work In Restricted Working Space, Add</i>	33.70	
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange.....	251.66	86.70
<i>For Work In Restricted Working Space, Add</i>	38.97	
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange.....	321.72	109.97
<i>For Work In Restricted Working Space, Add</i>	49.47	
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange.....	411.23	133.29
<i>For Work In Restricted Working Space, Add</i>	59.96	
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange.....	536.50	158.77
<i>For Work In Restricted Working Space, Add</i>	71.38	
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange.....	611.06	182.25
<i>For Work In Restricted Working Space, Add</i>	81.98	
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges <small>(23 21 13 23-0014)</small>		
<small>Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.</small>		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange.....	110.05	51.46
<i>For Work In Restricted Working Space, Add</i>	23.18	
23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange.....	119.94	56.39
<i>For Work In Restricted Working Space, Add</i>	25.38	
23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange.....	141.50	63.72
<i>For Work In Restricted Working Space, Add</i>	28.67	
23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange.....	148.02	65.98
<i>For Work In Restricted Working Space, Add</i>	29.68	
23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange.....	161.18	71.76
<i>For Work In Restricted Working Space, Add</i>	32.29	
23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange.....	182.18	74.87
<i>For Work In Restricted Working Space, Add</i>	33.69	
23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange.....	239.47	86.70
<i>For Work In Restricted Working Space, Add</i>	38.97	
23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange.....	303.32	109.97
<i>For Work In Restricted Working Space, Add</i>	49.46	
23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange.....	435.02	133.29
<i>For Work In Restricted Working Space, Add</i>	59.95	
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe <small>(23 21 13 23-0014)</small>		
<small>Note: For use when connecting pipe to an existing in-place system.</small>		
23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe.....	45.94	
<i>For Work In Restricted Working Space, Add</i>	13.78	
23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe.....	50.53	
<i>For Work In Restricted Working Space, Add</i>	15.16	
23 21 13 23-0363 EA 1", Cut And Thread Existing In Place Black Steel Pipe.....	55.13	
<i>For Work In Restricted Working Space, Add</i>	16.54	
23 21 13 23-0364 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	59.72	
<i>For Work In Restricted Working Space, Add</i>	17.92	
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	62.79	
<i>For Work In Restricted Working Space, Add</i>	18.84	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe.....	65.84	
<i>For Work In Restricted Working Space, Add</i>	19.75	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	68.91	
<i>For Work In Restricted Working Space, Add</i>	20.67	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe.....	71.97	
<i>For Work In Restricted Working Space, Add</i>	21.59	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe.....	75.03	
<i>For Work In Restricted Working Space, Add</i>	22.51	
23 21 13 23-0370 EA 6", Cut And Thread Existing In Place Black Steel Pipe.....	81.16	
<i>For Work In Restricted Working Space, Add</i>	24.35	
23 21 13 23-0371 EA 8", Cut And Thread Existing In Place Black Steel Pipe.....	87.28	
<i>For Work In Restricted Working Space, Add</i>	26.18	
23 21 13 23-0372 EA 10", Cut And Thread Existing In Place Black Steel Pipe.....	94.94	
<i>For Work In Restricted Working Space, Add</i>	28.48	
23 21 13 23-0373 EA 12", Cut And Thread Existing In Place Black Steel Pipe.....	101.06	
<i>For Work In Restricted Working Space, Add</i>	30.32	
23 21 13 23-0374 Welded Black Steel Pipe <small>(23 21 13 23)</small>		
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies <small>(23 21 13 23-0374)</small>		
<small>Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0376 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	35.81	10.70
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.82	
23 21 13 23-0377 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	40.64	11.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	8.76	
23 21 13 23-0378 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	49.85	12.13
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	10.05	
23 21 13 23-0379 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	54.88	12.13
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	10.52	
23 21 13 23-0380 LF 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	63.28	12.13
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	12.17	
23 21 13 23-0381 LF 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	73.31	12.13
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	14.11	
23 21 13 23-0382 LF 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	89.62	11.85
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	14.88	
23 21 13 23-0383 LF 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	118.13	13.61
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	16.88	
23 21 13 23-0384 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	168.07	20.28
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	19.43	
23 21 13 23-0385 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	253.69	25.18
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	28.83	
23 21 13 23-0386 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	342.02	31.49
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	34.39	
23 21 13 23-0387 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	435.10	38.04
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	39.73	
23 21 13 23-0388 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	450.64	49.62
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	44.33	
23 21 13 23-0389 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	516.34	62.97
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	49.54	
23 21 13 23-0390 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	666.63	77.96
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	54.35	
23 21 13 23-0391 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	821.35	96.34
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	62.22	
23 21 13 23-0392 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	1,021.10	109.19
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	68.41	
23 21 13 23-0393 Welded Black Steel Pipe And Fittings (23 21 13 23-0374)		
Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping (23 21 13 23-0393)		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe	17.34	5.71
<i>For Schedule 80 Pipe, Add</i>	2.90	
<i>For Work In Restricted Working Space, Add</i>	3.43	
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe	22.13	7.13
<i>For Schedule 80 Pipe, Add</i>	3.71	
<i>For Work In Restricted Working Space, Add</i>	4.28	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	28.66	8.56
<i>For Schedule 80 Pipe, Add</i>	4.88	
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	35.30	9.98
<i>For Schedule 80 Pipe, Add</i>	6.06	
<i>For Work In Restricted Working Space, Add</i>	5.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe	42.01	11.85
<i>For Schedule 80 Pipe, Add</i>	7.22	
<i>For Work In Restricted Working Space, Add</i>	7.10	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	48.21	13.41
<i>For Schedule 80 Pipe, Add</i>	12.18	
<i>For Work In Restricted Working Space, Add</i>	8.05	
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe	62.77	14.41
<i>For Schedule 80 Pipe, Add</i>	16.93	
<i>For Work In Restricted Working Space, Add</i>	8.65	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe	90.08	17.83
<i>For Schedule 80 Pipe, Add</i>	25.29	
<i>For Work In Restricted Working Space, Add</i>	10.70	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe	135.43	28.89
<i>For Schedule 80 Pipe, Add</i>	39.66	
<i>For Work In Restricted Working Space, Add</i>	13.27	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe	191.66	27.08
<i>For Schedule 80 Pipe, Add</i>	57.60	
<i>For Schedule 30 Pipe, Deduct</i>	-32.92	
<i>For Work In Restricted Working Space, Add</i>	16.25	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe	259.86	32.61
<i>For Schedule 80 Pipe, Add</i>	79.53	
<i>For Schedule 30 Pipe, Deduct</i>	-45.45	
<i>For Work In Restricted Working Space, Add</i>	19.57	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe	336.21	39.42
<i>For Schedule 80 Pipe, Add</i>	103.88	
<i>For Schedule 30 Pipe, Deduct</i>	-59.36	
<i>For Work In Restricted Working Space, Add</i>	23.65	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe	317.81	41.56
<i>For Schedule 80 Pipe, Add</i>	96.69	
<i>For Schedule 30 Pipe, Deduct</i>	-55.25	
<i>For Schedule 20 Pipe, Deduct</i>	-98.77	
<i>For Work In Restricted Working Space, Add</i>	24.94	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe	351.75	44.71
<i>For Schedule 80 Pipe, Add</i>	107.46	
<i>For Schedule 30 Pipe, Deduct</i>	-61.41	
<i>For Schedule 20 Pipe, Deduct</i>	-109.70	
<i>For Work In Restricted Working Space, Add</i>	26.83	
23 21 13 23-0409 LF 18" Schedule 40, Welded Plain End Black Steel Pipe	460.29	48.36
<i>For Schedule 80 Pipe, Add</i>	144.18	
<i>For Schedule 30 Pipe, Deduct</i>	-82.39	
<i>For Schedule 20 Pipe, Deduct</i>	-146.59	
<i>For Work In Restricted Working Space, Add</i>	29.02	
23 21 13 23-0410 LF 20" Schedule 40, Welded Plain End Black Steel Pipe	542.76	57.93
<i>For Schedule 80 Pipe, Add</i>	169.69	
<i>For Work In Restricted Working Space, Add</i>	34.76	
23 21 13 23-0411 LF 24" Schedule 40, Welded Plain End Black Steel Pipe	684.72	66.63
<i>For Schedule 80 Pipe, Add</i>	216.34	
<i>For Work In Restricted Working Space, Add</i>	39.97	
23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping (23 21 13 23-0393)		
23 21 13 23-0413 LF 1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	12.94	4.00
<i>For Work In Restricted Working Space, Add</i>	2.40	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	3.03	
23 21 13 23-0414 LF 1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	13.24	4.43
<i>For Work In Restricted Working Space, Add</i>	2.61	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	2.98	
23 21 13 23-0415 LF 3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	16.83	5.71
<i>For Work In Restricted Working Space, Add</i>	3.43	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	3.71	
23 21 13 23-0416 LF 1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	20.70	7.13
<i>For Work In Restricted Working Space, Add</i>	4.28	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	4.52	
23 21 13 23-0417 LF 1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	25.93	8.56
<i>For Work In Restricted Working Space, Add</i>	5.14	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	5.83	
23 21 13 23-0418 LF 1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	30.28	9.98
<i>For Work In Restricted Working Space, Add</i>	5.99	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	6.81	
23 21 13 23-0419 LF 2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	35.96	11.85
<i>For Work In Restricted Working Space, Add</i>	7.10	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	8.10	
23 21 13 23-0420 LF 2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	46.47	13.41
<i>For Work In Restricted Working Space, Add</i>	8.05	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	15.02	
23 21 13 23-0421 LF 3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	52.86	14.41
<i>For Work In Restricted Working Space, Add</i>	8.65	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	17.79	
23 21 13 23-0422 LF 4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	65.67	17.83
<i>For Work In Restricted Working Space, Add</i>	10.70	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	22.15	
23 21 13 23-0423 LF 6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	100.11	28.96
<i>For Work In Restricted Working Space, Add</i>	13.27	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	37.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0424 LF 8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	138.26	27.08
<i>For Work In Restricted Working Space, Add</i>	16.25	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	55.22	
23 21 13 23-0425 LF 10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	185.18	32.61
<i>For Work In Restricted Working Space, Add</i>	19.57	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	76.95	
23 21 13 23-0426 LF 12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	225.68	39.42
<i>For Work In Restricted Working Space, Add</i>	23.65	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	94.06	
23 21 13 23-0427 LF 14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	263.72	41.56
<i>For Work In Restricted Working Space, Add</i>	24.94	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	113.60	
23 21 13 23-0428 LF 16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	303.75	44.71
<i>For Work In Restricted Working Space, Add</i>	26.83	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	133.44	
23 21 13 23-0429 LF 18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	367.12	48.36
<i>For Work In Restricted Working Space, Add</i>	29.02	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	165.93	
23 21 13 23-0430 LF 20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	442.33	57.93
<i>For Work In Restricted Working Space, Add</i>	34.76	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	200.20	
23 21 13 23-0431 LF 24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	556.19	66.63
<i>For Work In Restricted Working Space, Add</i>	39.97	
<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	256.84	
23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0433 EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	140.57	79.85
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	29.61	
<i>For Work In Restricted Working Space, Add</i>	35.89	
23 21 13 23-0434 EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	146.85	84.00
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.83	
<i>For Work In Restricted Working Space, Add</i>	37.78	
23 21 13 23-0435 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	164.48	95.71
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	34.27	
<i>For Work In Restricted Working Space, Add</i>	43.07	
23 21 13 23-0436 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	175.81	103.27
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	36.48	
<i>For Work In Restricted Working Space, Add</i>	46.46	
23 21 13 23-0437 EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	222.40	134.38
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	45.57	
<i>For Work In Restricted Working Space, Add</i>	60.44	
23 21 13 23-0438 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	279.74	168.01
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	57.48	
<i>For Work In Restricted Working Space, Add</i>	75.55	
23 21 13 23-0439 EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	322.46	192.91
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	66.38	
<i>For Work In Restricted Working Space, Add</i>	86.73	
23 21 13 23-0440 EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	554.88	333.31
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	113.99	
<i>For Work In Restricted Working Space, Add</i>	149.92	
23 21 13 23-0441 EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	960.37	550.05
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	201.51	
<i>For Work In Restricted Working Space, Add</i>	247.43	
23 21 13 23-0442 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,274.95	682.47
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	275.04	
<i>For Work In Restricted Working Space, Add</i>	306.98	
23 21 13 23-0443 EA 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,631.55	780.07
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	366.67	
<i>For Work In Restricted Working Space, Add</i>	350.83	
23 21 13 23-0444 EA 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,200.19	1,020.61
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	499.40	
<i>For Work In Restricted Working Space, Add</i>	459.03	
23 21 13 23-0445 EA 14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,715.63	1,206.37
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	624.78	
<i>For Work In Restricted Working Space, Add</i>	542.60	
23 21 13 23-0446 EA 16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,353.43	1,408.75
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	784.27	
<i>For Work In Restricted Working Space, Add</i>	633.60	
23 21 13 23-0447 EA 18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,952.81	1,570.84
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	938.57	
<i>For Work In Restricted Working Space, Add</i>	706.51	
23 21 13 23-0448 EA 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,989.07	1,761.26
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,219.45	
<i>For Work In Restricted Working Space, Add</i>	792.20	
23 21 13 23-0449 EA 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,797.81	1,820.07
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,452.83	
<i>For Work In Restricted Working Space, Add</i>	818.60	
23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0451 EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	727.54	333.88
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	165.69	
<i>For Work In Restricted Working Space, Add</i>	150.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0452 EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,259.15 292.13 244.60	543.77
23 21 13 23-0453 EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,335.24 314.96 244.60	543.77
23 21 13 23-0454 EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,959.45 480.39 306.98	682.47
23 21 13 23-0455 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,140.88 534.82 306.98	682.47
23 21 13 23-0456 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,665.86 676.97 350.83	780.07
23 21 13 23-0457 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,665.86 676.97 350.83	780.07
23 21 13 23-0458 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,337.59 1,137.56 467.78	1,040.01
23 21 13 23-0459 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,337.59 1,137.56 467.78	1,040.01
23 21 13 23-0460 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,831.10 1,285.61 467.78	1,040.01
23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0462 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	137.89 28.63 36.38	80.90
23 21 13 23-0463 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	142.18 29.47 37.67	83.76
23 21 13 23-0464 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	160.72 33.08 43.23	96.16
23 21 13 23-0465 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	172.14 35.31 46.66	103.73
23 21 13 23-0466 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	217.80 44.22 60.36	134.13
23 21 13 23-0467 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	271.90 55.05 75.77	168.51
23 21 13 23-0468 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	313.42 63.67 86.72	192.77
23 21 13 23-0469 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	539.86 109.50 149.88	333.16
23 21 13 23-0470 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	922.82 190.35 247.14	549.48
23 21 13 23-0471 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,207.03 254.67 306.98	682.47
23 21 13 23-0472 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,506.85 329.26 350.83	780.07
23 21 13 23-0473 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,016.52 444.59 458.18	1,018.73
23 21 13 23-0474 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,473.29 551.82 543.32	1,208.01
23 21 13 23-0475 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,016.25 683.34 632.94	1,407.24
23 21 13 23-0476 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,518.94 808.69 705.70	1,568.95
23 21 13 23-0477 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,355.35 1,029.34 792.20	1,761.26
23 21 13 23-0478 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,969.60 1,204.37 818.60	1,820.07

23 21 13 23-0479 Welded Plain End Black Steel Tee (23 21 13 23-0393)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0480 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.47 59.57 68.49	152.24
23 21 13 23-0481 EA 1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.39 59.55 68.47	152.24
23 21 13 23-0482 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.35 67.65 76.16	169.37
23 21 13 23-0483 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	345.84 73.79 85.61	190.34
23 21 13 23-0484 EA 2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.46 90.34 114.29	254.11
23 21 13 23-0485 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	494.51 103.41 128.42	285.51
23 21 13 23-0486 EA 3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	592.92 123.34 155.81	346.72
23 21 13 23-0487 EA 4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	853.31 177.14 225.29	500.96
23 21 13 23-0488 EA 6" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,426.99 297.82 372.22	827.56
23 21 13 23-0489 EA 8" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,904.14 407.52 467.78	1,040.01
23 21 13 23-0490 EA 10" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,397.39 528.21 545.74	1,213.29
23 21 13 23-0491 EA 12" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,218.38 719.93 701.66	1,560.01
23 21 13 23-0492 EA 14" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,142.72 956.30 818.60	1,820.07
23 21 13 23-0493 EA 16" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,983.91 1,151.36 982.33	2,184.04
23 21 13 23-0494 EA 18" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,430.65 1,547.18 1,091.48	2,426.72
23 21 13 23-0495 EA 20" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,404.13 2,091.47 1,227.91	2,730.11
23 21 13 23-0496 EA 24" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,666.26 2,437.05 1,322.36	2,940.12
23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)		
23 21 13 23-0498 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.33 58.18 66.35	147.54
23 21 13 23-0499 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.39 59.55 68.47	152.24
23 21 13 23-0500 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.15 66.69 76.16	169.37
23 21 13 23-0501 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.64 72.83 85.61	190.34
23 21 13 23-0502 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	441.71 92.50 114.33	254.11
23 21 13 23-0503 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	494.69 103.44 128.47	285.65
23 21 13 23-0504 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	593.26 123.45 155.81	346.72
23 21 13 23-0505 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	853.78 177.28 225.29	500.96
23 21 13 23-0506 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,427.80 298.06 372.22	827.56
23 21 13 23-0507 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,905.69 407.99 467.78	1,040.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0508 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,400.03 529.00 545.74	1,213.29
23 21 13 23-0509 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,222.37 721.13 701.66	1,560.01
23 21 13 23-0510 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,149.15 958.23 818.60	1,820.07
23 21 13 23-0511 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,991.69 1,153.69 982.33	2,184.04
23 21 13 23-0512 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	6,443.37 1,550.99 1,091.48	2,426.72
23 21 13 23-0513 EA 20" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	8,527.71 2,128.54 1,227.91	2,730.11
23 21 13 23-0514 EA 24" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	10,218.24 2,602.64 1,322.36	2,940.12
 23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)		
23 21 13 23-0516 EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	227.07 53.52 41.73	92.79
23 21 13 23-0517 EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	240.61 56.16 45.79	101.82
23 21 13 23-0518 EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	237.06 55.46 44.73	99.45
23 21 13 23-0519 EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	257.02 59.36 50.72	112.76
23 21 13 23-0520 EA 1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	247.03 57.41 47.72	106.10
23 21 13 23-0521 EA 1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	243.48 56.72 46.65	103.73
23 21 13 23-0522 EA 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	255.16 55.35 60.56	134.63
23 21 13 23-0523 EA 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	281.75 64.00 58.63	130.36
23 21 13 23-0524 EA 2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	271.77 62.06 55.64	123.70
23 21 13 23-0525 EA 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	318.61 68.62 77.04	171.28
23 21 13 23-0526 EA 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	302.85 66.66 69.12	153.67
23 21 13 23-0527 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	355.05 83.00 67.19	149.39
23 21 13 23-0528 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	355.93 76.51 86.48	192.20
23 21 13 23-0529 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	360.71 77.95 86.48	192.20
23 21 13 23-0530 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	370.84 80.99 86.48	192.20
23 21 13 23-0531 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	589.10 124.16 150.20	333.88
23 21 13 23-0532 EA 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	593.89 125.60 150.20	333.88
23 21 13 23-0533 EA 4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	608.29 129.92 150.20	333.88
23 21 13 23-0534 EA 6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	997.57 213.66 244.60	543.77
23 21 13 23-0535 EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,100.94 244.67 244.60	543.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0536 EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,473.06 311.64 372.22	827.56
23 21 13 23-0537 EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,665.40 369.34 372.22	827.56
23 21 13 23-0538 EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,731.09 369.51 428.05	951.70
23 21 13 23-0539 EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,962.35 438.89 428.05	951.70
23 21 13 23-0540 EA 10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,266.60 530.16 -268.72 428.05	951.70
23 21 13 23-0541 EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,031.04 445.90 466.88	1,037.99
23 21 13 23-0542 EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,301.19 526.95 466.88	1,037.99
23 21 13 23-0543 EA 12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,757.84 663.94 -384.50 466.88	1,037.99
23 21 13 23-0544 EA 12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,023.38 443.60 -149.47 466.88	1,037.99
23 21 13 23-0545 EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,652.49 604.74 545.74	1,213.29
23 21 13 23-0546 EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,794.75 647.42 545.74	1,213.29
23 21 13 23-0547 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,213.11 1,072.93 545.74	1,213.29
23 21 13 23-0548 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,321.06 781.43 613.96	1,365.06
23 21 13 23-0549 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,739.89 907.08 613.96	1,365.06
23 21 13 23-0550 EA 16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,902.93 955.99 -594.05 613.96	1,365.06
23 21 13 23-0551 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,739.64 1,507.01 613.96	1,365.06
23 21 13 23-0552 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,653.60 1,781.20 613.96	1,365.06
23 21 13 23-0553 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,634.87 1,144.88 701.66	1,560.01
23 21 13 23-0554 EA 18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,750.58 579.59 -131.74 701.66	1,560.01
23 21 13 23-0555 EA 18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,854.95 1,210.90 -805.14 701.66	1,560.01
23 21 13 23-0556 EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,179.43 1,308.25 701.66	1,560.01
23 21 13 23-0557 EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,922.74 2,131.24 701.66	1,560.01
23 21 13 23-0558 EA 20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,524.39 1,380.05 -922.79 792.20	1,761.26
23 21 13 23-0559 EA 20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,516.94 1,377.81 -920.41 792.20	1,761.26
23 21 13 23-0560 EA 20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9,146.12 2,466.57 -2,081.75 792.20	1,761.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0561 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,601.82 2,903.28 792.20	1,761.26
23 21 13 23-0562 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,785.44 3,558.36 792.20	1,761.26
23 21 13 23-0563 EA 24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,509.72 1,666.40 -1,209.93 818.60	1,820.07
23 21 13 23-0564 EA 24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,949.68 1,798.39 -1,350.72 818.60	1,820.07
23 21 13 23-0565 EA 24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8,993.81 2,411.63 -2,004.84 818.60	1,820.07
23 21 13 23-0566 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,797.75 3,552.81 818.60	1,820.07
23 21 13 23-0567 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,650.01 4,408.49 818.60	1,820.07
23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)		
23 21 13 23-0569 EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.04 46.61 41.73	92.79
23 21 13 23-0570 EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.58 49.25 45.79	101.82
23 21 13 23-0571 EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.03 48.55 44.73	99.45
23 21 13 23-0572 EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.99 52.45 50.72	112.76
23 21 13 23-0573 EA 1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.00 50.50 47.72	106.10
23 21 13 23-0574 EA 1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.45 49.81 46.65	103.73
23 21 13 23-0575 EA 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.43 51.83 60.56	134.63
23 21 13 23-0576 EA 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.00 50.58 58.63	130.36
23 21 13 23-0577 EA 2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.01 53.43 55.64	123.70
23 21 13 23-0578 EA 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	310.08 66.06 77.04	171.28
23 21 13 23-0579 EA 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.07 65.23 69.12	153.67
23 21 13 23-0580 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.55 70.85 67.19	149.39
23 21 13 23-0581 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.41 69.16 86.48	192.20
23 21 13 23-0582 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	334.61 70.12 86.48	192.20
23 21 13 23-0583 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.54 72.20 86.48	192.20
23 21 13 23-0584 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	556.07 114.25 150.20	333.88
23 21 13 23-0585 EA 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	568.33 117.93 150.20	333.88
23 21 13 23-0586 EA 4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	568.33 117.93 150.20	333.88
23 21 13 23-0587 EA 6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	931.52 193.85 244.60	543.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0588 EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	956.01 201.19 244.60	543.77
23 21 13 23-0589 EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,393.12 287.66 372.22	827.56
23 21 13 23-0590 EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,436.82 300.77 372.22	827.56
23 21 13 23-0591 EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,722.57 366.95 428.05	951.70
23 21 13 23-0592 EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,704.46 361.52 428.05	951.70
23 21 13 23-0593 EA 10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,932.51 429.93 428.05	951.70
23 21 13 23-0594 EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,921.81 413.13 466.88	1,037.99
23 21 13 23-0595 EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,976.57 429.56 466.88	1,037.99
23 21 13 23-0596 EA 12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,996.40 435.51 466.88	1,037.99
23 21 13 23-0597 EA 12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,577.74 609.91 466.88	1,037.99
23 21 13 23-0598 EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,369.01 519.70 545.74	1,213.29
23 21 13 23-0599 EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,572.02 580.60 545.74	1,213.29
23 21 13 23-0600 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,748.39 633.51 545.74	1,213.29
23 21 13 23-0601 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,430.02 838.00 545.74	1,213.29
23 21 13 23-0602 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,008.82 687.76 613.96	1,365.06
23 21 13 23-0603 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,008.82 687.76 613.96	1,365.06
23 21 13 23-0604 EA 16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,110.07 718.14 613.96	1,365.06
23 21 13 23-0605 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,446.28 819.00 613.96	1,365.06
23 21 13 23-0606 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,838.72 1,236.73 613.96	1,365.06
23 21 13 23-0607 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,390.16 771.47 701.66	1,560.01
23 21 13 23-0608 EA 18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,649.66 849.32 701.66	1,560.01
23 21 13 23-0609 EA 18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,758.36 881.93 701.66	1,560.01
23 21 13 23-0610 EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,054.07 970.64 701.66	1,560.01
23 21 13 23-0611 EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	7,452.42 1,990.14 701.66	1,560.01
23 21 13 23-0612 EA 20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,444.85 1,056.19 792.20	1,761.26
23 21 13 23-0613 EA 20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,444.85 1,056.19 792.20	1,761.26
23 21 13 23-0614 EA 20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,518.92 1,078.41 792.20	1,761.26
23 21 13 23-0615 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,957.45 1,209.97 792.20	1,761.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0616 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,720.47 1,438.87 792.20	1,761.26
23 21 13 23-0617 EA 24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,769.47 1,144.33 818.60	1,820.07
23 21 13 23-0618 EA 24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,815.81 1,158.23 818.60	1,820.07
23 21 13 23-0619 EA 24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,906.39 1,185.41 818.60	1,820.07
23 21 13 23-0620 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,003.65 1,814.58 818.60	1,820.07
23 21 13 23-0621 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,417.67 1,938.79 818.60	1,820.07
 23 21 13 23-0622 Welded Plain End Black Steel Caps <small>(23 21 13 23-0393)</small>		
23 21 13 23-0623 EA 1" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.97 15.67 21.40	47.66
23 21 13 23-0624 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.78 17.12 23.54	52.36
23 21 13 23-0625 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.29 17.82 24.40	54.22
23 21 13 23-0626 EA 2" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.73 22.00 31.25	69.49
23 21 13 23-0627 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.73 25.92 37.67	83.76
23 21 13 23-0628 EA 3" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.13 30.53 43.46	96.59
23 21 13 23-0629 EA 4" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.31 50.70 75.10	166.94
23 21 13 23-0630 EA 6" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	457.23 85.47 124.07	275.80
23 21 13 23-0631 EA 8" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	645.18 121.10 173.90	386.67
23 21 13 23-0632 EA 10" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	846.68 162.54 219.51	488.12
23 21 13 23-0633 EA 12" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	905.25 176.39 228.45	507.91
23 21 13 23-0634 EA 14" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,179.78 240.24 272.87	606.65
23 21 13 23-0635 EA 16" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,370.15 279.01 316.88	704.51
23 21 13 23-0636 EA 18" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,530.43 312.95 350.83	780.07
 23 21 13 23-0637 150 LB, Welded Plain End Black Steel Neck Flanges <small>(23 21 13 23-0393)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0638 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.30 42.14 48.39	107.58
23 21 13 23-0639 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.26 46.33 60.38	134.27
23 21 13 23-0640 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	266.19 49.40 69.04	153.52
23 21 13 23-0641 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.51 64.02 91.08	202.47
23 21 13 23-0642 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	530.93 97.79 138.08	307.06
23 21 13 23-0643 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	553.15 123.92 132.75	295.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0644 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange.....	716.68	370.14
For 300 LB Rating, Add	171.46	
For Work In Restricted Working Space, Add	166.50	
23 21 13 23-0645 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange.....	865.45	420.01
For 300 LB Rating, Add	231.14	
For Work In Restricted Working Space, Add	188.91	
23 21 13 23-0646 EA 14", 150 LB, Welded Plain End Black Steel Neck Flange.....	1,119.39	507.91
For 300 LB Rating, Add	330.48	
For Work In Restricted Working Space, Add	228.45	
23 21 13 23-0647 EA 16", 150 LB, Welded Plain End Black Steel Neck Flange.....	1,444.14	590.27
For 300 LB Rating, Add	484.33	
For Work In Restricted Working Space, Add	265.49	
23 21 13 23-0648 EA 18", 150 LB, Welded Plain End Black Steel Neck Flange.....	1,768.51	661.81
For 300 LB Rating, Add	647.57	
For Work In Restricted Working Space, Add	297.68	
23 21 13 23-0649 EA 20", 150 LB, Welded Plain End Black Steel Neck Flange.....	2,242.57	840.01
For 300 LB Rating, Add	820.46	
For Work In Restricted Working Space, Add	377.82	
23 21 13 23-0650 EA 24", 150 LB, Welded Plain End Black Steel Neck Flange.....	2,531.84	910.04
For 300 LB Rating, Add	960.51	
For Work In Restricted Working Space, Add	409.30	
23 21 13 23-0651 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0652 EA 2", 150 LB, Welded Black Steel Slip-On Flanges.....	150.39	107.58
For 300 LB Rating, Add	33.26	
For Work In Restricted Working Space, Add	38.53	
23 21 13 23-0653 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange.....	185.16	134.27
For 300 LB Rating, Add	41.87	
For Work In Restricted Working Space, Add	47.09	
23 21 13 23-0654 EA 3", 150 LB, Welded Black Steel Slip-On Flange.....	218.69	153.52
For 300 LB Rating, Add	49.36	
For Work In Restricted Working Space, Add	55.65	
23 21 13 23-0655 EA 4", 150 LB, Welded Black Steel Slip-On Flange.....	287.86	202.47
For 300 LB Rating, Add	66.24	
For Work In Restricted Working Space, Add	72.77	
23 21 13 23-0656 EA 6", 150 LB, Welded Black Steel Slip-On Flange.....	426.42	307.06
For 300 LB Rating, Add	100.19	
For Work In Restricted Working Space, Add	107.01	
23 21 13 23-0657 EA 8", 150 LB, Welded Black Steel Slip-On Flange.....	509.06	295.20
For 300 LB Rating, Add	137.76	
For Work In Restricted Working Space, Add	120.90	
23 21 13 23-0658 EA 10", 150 LB, Welded Black Steel Slip-On Flange.....	686.84	370.14
For 300 LB Rating, Add	217.67	
For Work In Restricted Working Space, Add	151.13	
23 21 13 23-0659 EA 12", 150 LB, Welded Black Steel Slip-On Flange.....	893.38	420.01
For 300 LB Rating, Add	323.46	
For Work In Restricted Working Space, Add	181.35	
23 21 13 23-0660 EA 14", 150 LB, Welded Black Steel Slip-On Flange.....	1,127.30	507.91
For 300 LB Rating, Add	453.89	
For Work In Restricted Working Space, Add	211.58	
23 21 13 23-0661 EA 16", 150 LB, Welded Black Steel Slip-On Flange.....	1,349.07	590.27
For 300 LB Rating, Add	593.40	
For Work In Restricted Working Space, Add	234.25	
23 21 13 23-0662 EA 18", 150 LB, Welded Black Steel Slip-On Flange.....	1,493.52	661.81
For 300 LB Rating, Add	663.34	
For Work In Restricted Working Space, Add	256.92	
23 21 13 23-0663 EA 20", 150 LB, Welded Black Steel Slip-On Flange.....	1,656.16	840.01
For 300 LB Rating, Add	749.64	
For Work In Restricted Working Space, Add	279.59	
23 21 13 23-0664 EA 24", 150 LB, Welded Black Steel Slip-On Flange.....	1,896.78	910.04
For 300 LB Rating, Add	846.05	
For Work In Restricted Working Space, Add	324.92	
23 21 13 23-0665 150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)		
23 21 13 23-0666 EA 2", 150 LB, Forged Steel Blind Flange.....	96.91	38.29
For 300 LB Rating, Add	24.30	
For 600 LB Rating, Add	60.26	
For Work In Restricted Working Space, Add	22.98	
23 21 13 23-0667 EA 2-1/2", 150 LB, Forged Steel Blind Flange.....	124.85	45.95
For 300 LB Rating, Add	36.01	
For 600 LB Rating, Add	92.87	
For Work In Restricted Working Space, Add	27.57	
23 21 13 23-0668 EA 3", 150 LB, Forged Steel Blind Flange.....	156.62	61.28
For 300 LB Rating, Add	40.13	
For 600 LB Rating, Add	100.17	
For Work In Restricted Working Space, Add	36.76	
23 21 13 23-0669 EA 4", 150 LB, Forged Steel Blind Flange.....	200.16	76.59
For 300 LB Rating, Add	53.67	
For 600 LB Rating, Add	135.73	
For Work In Restricted Working Space, Add	45.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0670	EA	6", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	270.31 77.85 200.70 59.74	99.57
23 21	13 23-0671	EA	8", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.69 114.46 305.47 68.93	114.88
23 21	13 23-0672	EA	10", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	496.22 205.35 570.56 82.72	137.86
23 21	13 23-0673	EA	12", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	633.76 283.45 797.27 96.50	160.84
23 21	13 23-0674	EA	14", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,010.21 552.67 110.29	183.82
23 21	13 23-0675	EA	16", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,090.90 585.28 124.07	206.79
23 21	13 23-0676	EA	18", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,241.15 641.60 151.65	252.75
23 21	13 23-0677	EA	20", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,558.68 863.69 165.43	275.72
23 21	13 23-0678	EA	24", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,085.38 1,221.18 193.01	321.67
23 21 13 23-0679 3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)					
23 21	13 23-0680	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	96.34 26.97	
23 21	13 23-0681	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	101.73 28.25	
23 21	13 23-0682	EA	1", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	108.36 29.96	
23 21	13 23-0683	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	119.04 32.10	
23 21	13 23-0684	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	133.91 36.38	
23 21	13 23-0685	EA	2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	173.58 47.56	
23 21	13 23-0686	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	258.41 61.15	
23 21	13 23-0687	EA	3", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	357.58 85.61	
23 21	13 23-0688	EA	4", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Work In Restricted Working Space, Add</i>	469.56 107.01	
23 21 13 23-0689 3,000 LB, Forge Steel Weld-O-Lets (23 21 13 23-0393)					
23 21	13 23-0690	EA	1/2", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	118.01 31.12	
23 21	13 23-0691	EA	3/4", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	125.48 32.62	
23 21	13 23-0692	EA	1", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	132.95 34.25	
23 21	13 23-0693	EA	1-1/4", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	153.51 38.06	
23 21	13 23-0694	EA	1-1/2", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	170.67 42.80	
23 21	13 23-0695	EA	2", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	227.97 57.06	
23 21	13 23-0696	EA	2-1/2", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	349.27 68.49	
23 21	13 23-0697	EA	3", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	459.67 89.89	
23 21	13 23-0698	EA	4", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	630.65 114.16	
23 21	13 23-0699	EA	6", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	902.48 171.22	
23 21	13 23-0700	EA	8", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	1,388.64 228.28	
23 21	13 23-0701	EA	10", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	1,770.54 263.42	
23 21	13 23-0702	EA	12", 3,000 LB, Forge Steel Weld-O-Let..... <i>For Work In Restricted Working Space, Add</i>	2,732.89 311.32	
23 21 13 23-0703 3,000 LB, Forge Steel Sock-O-Lets (23 21 13 23-0393)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0704 EA 1/2", 3,000 LB, Forge Steel Sock-O-Let.....	137.61	
For Work In Restricted Working Space, Add	37.20	
23 21 13 23-0705 EA 3/4", 3,000 LB, Forge Steel Sock-O-Let.....	145.97	
For Work In Restricted Working Space, Add	38.99	
23 21 13 23-0706 EA 1", 3,000 LB, Forge Steel Sock-O-Let.....	155.75	
For Work In Restricted Working Space, Add	41.35	
23 21 13 23-0707 EA 1-1/4", 3,000 LB, Forge Steel Sock-O-Let.....	173.10	
For Work In Restricted Working Space, Add	44.30	
23 21 13 23-0708 EA 1-1/2", 3,000 LB, Forge Steel Sock-O-Let.....	194.04	
For Work In Restricted Working Space, Add	50.21	
23 21 13 23-0709 EA 2", 3,000 LB, Forge Steel Sock-O-Let.....	252.06	
For Work In Restricted Working Space, Add	65.62	
23 21 13 23-0710 EA 2-1/2", 3,000 LB, Forge Steel Sock-O-Let.....	396.56	
For Work In Restricted Working Space, Add	84.37	
23 21 13 23-0711 EA 3", 3,000 LB, Forge Steel Sock-O-Let.....	546.39	
For Work In Restricted Working Space, Add	118.14	
23 21 13 23-0712 EA 4", 3,000 LB, Forge Steel Sock-O-Let.....	730.72	
For Work In Restricted Working Space, Add	147.68	
23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0714 EA 3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	16.01	
Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
For Zinc Plated, Add	4.48	
For Hot Dip Galvanized, Add	6.40	
For Advanced Fluoropolymer (Blue Coating), Add	11.21	
23 21 13 23-0715 EA 2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	20.32	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	5.69	
For Hot Dip Galvanized, Add	8.13	
For Advanced Fluoropolymer (Blue Coating), Add	14.22	
23 21 13 23-0716 EA 2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	20.54	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	5.75	
For Hot Dip Galvanized, Add	8.22	
For Advanced Fluoropolymer (Blue Coating), Add	14.38	
23 21 13 23-0717 EA 3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	20.64	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	5.78	
For Hot Dip Galvanized, Add	8.26	
For Advanced Fluoropolymer (Blue Coating), Add	14.45	
23 21 13 23-0718 EA 4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	46.14	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	12.92	
For Hot Dip Galvanized, Add	18.46	
For Advanced Fluoropolymer (Blue Coating), Add	32.30	
23 21 13 23-0719 EA 5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	65.88	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	18.45	
For Hot Dip Galvanized, Add	26.35	
For Advanced Fluoropolymer (Blue Coating), Add	46.12	
23 21 13 23-0720 EA 6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	71.24	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	19.95	
For Hot Dip Galvanized, Add	28.50	
For Advanced Fluoropolymer (Blue Coating), Add	49.87	
23 21 13 23-0721 EA 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	78.10	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	21.87	
For Hot Dip Galvanized, Add	31.24	
For Advanced Fluoropolymer (Blue Coating), Add	54.67	
23 21 13 23-0722 EA 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	172.64	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	48.34	
For Hot Dip Galvanized, Add	69.06	
For Advanced Fluoropolymer (Blue Coating), Add	120.85	
23 21 13 23-0723 EA 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	175.98	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	49.27	
For Hot Dip Galvanized, Add	70.39	
For Advanced Fluoropolymer (Blue Coating), Add	123.19	
23 21 13 23-0724 EA 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	197.37	
Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
For Zinc Plated, Add	55.26	
For Hot Dip Galvanized, Add	78.95	
For Advanced Fluoropolymer (Blue Coating), Add	138.16	
23 21 13 23-0725 EA 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	327.81	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
For Zinc Plated, Add	91.79	
For Hot Dip Galvanized, Add	131.12	
For Advanced Fluoropolymer (Blue Coating), Add	229.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0726 EA 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	472.61	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	132.33	
<i>For Hot Dip Galvanized, Add</i>	189.04	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	330.83	
23 21 13 23-0727 EA 20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	597.10	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	167.19	
<i>For Hot Dip Galvanized, Add</i>	238.84	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	417.97	
23 21 13 23-0728 EA 24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	850.95	
Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	238.27	
<i>For Hot Dip Galvanized, Add</i>	340.38	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	595.67	
23 21 13 23-0729 EA 30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,343.35	
Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	376.14	
<i>For Hot Dip Galvanized, Add</i>	537.34	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	940.35	
23 21 13 23-0730 EA 36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,911.60	
Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	535.25	
<i>For Hot Dip Galvanized, Add</i>	764.64	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	1,338.12	
23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0732 EA 3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	25.69	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	7.19	
<i>For Hot Dip Galvanized, Add</i>	10.28	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	17.98	
23 21 13 23-0733 EA 2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	47.10	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	13.19	
<i>For Hot Dip Galvanized, Add</i>	18.84	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	32.97	
23 21 13 23-0734 EA 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	73.28	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	20.52	
<i>For Hot Dip Galvanized, Add</i>	29.31	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	51.30	
23 21 13 23-0735 EA 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	79.62	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	22.29	
<i>For Hot Dip Galvanized, Add</i>	31.85	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	55.73	
23 21 13 23-0736 EA 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	81.28	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	22.76	
<i>For Hot Dip Galvanized, Add</i>	32.51	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	56.90	
23 21 13 23-0737 EA 5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	87.54	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	24.51	
<i>For Hot Dip Galvanized, Add</i>	35.02	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	61.28	
23 21 13 23-0738 EA 6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	125.89	
Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	35.25	
<i>For Hot Dip Galvanized, Add</i>	50.36	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	88.12	
23 21 13 23-0739 EA 8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	195.26	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	54.67	
<i>For Hot Dip Galvanized, Add</i>	78.10	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	136.68	
23 21 13 23-0740 EA 10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	356.94	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	99.94	
<i>For Hot Dip Galvanized, Add</i>	142.78	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	249.86	
23 21 13 23-0741 EA 12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	514.80	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	144.14	
<i>For Hot Dip Galvanized, Add</i>	205.92	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	360.36	
23 21 13 23-0742 EA 14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	704.38	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	197.23	
<i>For Hot Dip Galvanized, Add</i>	281.75	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	493.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	972.13	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	272.20	
		For Hot Dip Galvanized, Add	388.85	
		For Advanced Fluoropolymer (Blue Coating), Add	680.49	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,248.64	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	349.62	
		For Hot Dip Galvanized, Add	499.46	
		For Advanced Fluoropolymer (Blue Coating), Add	874.05	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,325.34	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	371.10	
		For Hot Dip Galvanized, Add	530.14	
		For Advanced Fluoropolymer (Blue Coating), Add	927.74	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,680.55	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	470.55	
		For Hot Dip Galvanized, Add	672.22	
		For Advanced Fluoropolymer (Blue Coating), Add	1,176.39	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,639.97	
		Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	739.19	
		For Hot Dip Galvanized, Add	1,055.99	
		For Advanced Fluoropolymer (Blue Coating), Add	1,847.98	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	4,001.40	
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	1,120.39	
		For Hot Dip Galvanized, Add	1,600.56	
		For Advanced Fluoropolymer (Blue Coating), Add	2,800.98	
23 21 13 23-0749		Class 150 Flange, Stainless Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	16.01	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	60.73	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	60.83	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	60.93	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	128.89	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	163.57	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	184.53	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	185.53	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	478.79	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	480.66	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	727.64	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	969.38	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	2,519.72	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	2,919.24	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	3,370.42	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
23 21 13 23-0765		150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0393)</small>		
		Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0766	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	42.92	
		For 300 LB Rating Gasket Set, Add	0.21	
		For 150 LB Rating Teflon Gasket Set, Add	4.72	
		For 300 LB Rating Teflon Gasket Set, Add	5.43	
		For Work In Restricted Working Space, Add	12.69	
23 21 13 23-0767	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	45.94	
		For 300 LB Rating Gasket Set, Add	0.28	
		For 150 LB Rating Teflon Gasket Set, Add	6.26	
		For 300 LB Rating Teflon Gasket Set, Add	7.21	
		For Work In Restricted Working Space, Add	13.54	
23 21 13 23-0768	EA	1", 150 LB, Rubber Flange Gasket Replacement	50.78	
		For 300 LB Rating Gasket Set, Add	0.50	
		For 150 LB Rating Teflon Gasket Set, Add	10.98	
		For 300 LB Rating Teflon Gasket Set, Add	12.64	
		For Work In Restricted Working Space, Add	14.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0769 EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement.....	55.22	
For 300 LB Rating Gasket Set, Add	0.57	
For 150 LB Rating Teflon Gasket Set, Add	12.52	
For 300 LB Rating Teflon Gasket Set, Add	14.42	
For Work In Restricted Working Space, Add	16.08	
23 21 13 23-0770 EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement.....	61.26	
For 300 LB Rating Gasket Set, Add	0.71	
For 150 LB Rating Teflon Gasket Set, Add	15.69	
For 300 LB Rating Teflon Gasket Set, Add	18.07	
For Work In Restricted Working Space, Add	17.77	
23 21 13 23-0771 EA 2", 150 LB, Rubber Flange Gasket Replacement.....	67.72	
For 300 LB Rating Gasket Set, Add	0.99	
For 150 LB Rating Teflon Gasket Set, Add	21.95	
For 300 LB Rating Teflon Gasket Set, Add	25.28	
For Work In Restricted Working Space, Add	19.46	
23 21 13 23-0772 EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement.....	80.01	
For 300 LB Rating Gasket Set, Add	1.35	
For 150 LB Rating Teflon Gasket Set, Add	29.76	
For 300 LB Rating Teflon Gasket Set, Add	34.27	
For Work In Restricted Working Space, Add	22.85	
23 21 13 23-0773 EA 3", 150 LB, Rubber Flange Gasket Replacement.....	84.85	
For 300 LB Rating Gasket Set, Add	1.56	
For 150 LB Rating Teflon Gasket Set, Add	34.48	
For 300 LB Rating Teflon Gasket Set, Add	39.69	
For Work In Restricted Working Space, Add	24.12	
23 21 13 23-0774 EA 4", 150 LB, Rubber Flange Gasket Replacement.....	113.08	
For 300 LB Rating Gasket Set, Add	2.56	
For 150 LB Rating Teflon Gasket Set, Add	56.43	
For 300 LB Rating Teflon Gasket Set, Add	64.97	
For Work In Restricted Working Space, Add	31.73	
23 21 13 23-0775 EA 5", 150 LB, Rubber Flange Gasket Replacement.....	130.82	
For 300 LB Rating Gasket Set, Add	2.84	
For 150 LB Rating Teflon Gasket Set, Add	62.69	
For 300 LB Rating Teflon Gasket Set, Add	72.18	
For Work In Restricted Working Space, Add	36.81	
23 21 13 23-0776 EA 6", 150 LB, Rubber Flange Gasket Replacement.....	150.17	
For 300 LB Rating Gasket Set, Add	3.69	
For 150 LB Rating Teflon Gasket Set, Add	81.47	
For 300 LB Rating Teflon Gasket Set, Add	93.81	
For Work In Restricted Working Space, Add	41.89	
23 21 13 23-0777 EA 8", 150 LB, Rubber Flange Gasket Replacement.....	184.65	
For 300 LB Rating Gasket Set, Add	5.39	
For 150 LB Rating Teflon Gasket Set, Add	119.04	
For 300 LB Rating Teflon Gasket Set, Add	137.06	
For Work In Restricted Working Space, Add	50.78	
23 21 13 23-0778 EA 10", 150 LB, Rubber Flange Gasket Replacement.....	202.43	
For 300 LB Rating Gasket Set, Add	7.66	
For 150 LB Rating Teflon Gasket Set, Add	169.21	
For 300 LB Rating Teflon Gasket Set, Add	194.82	
For Work In Restricted Working Space, Add	54.16	
23 21 13 23-0779 EA 12", 150 LB, Rubber Flange Gasket Replacement.....	232.47	
For 300 LB Rating Gasket Set, Add	9.79	
For 150 LB Rating Teflon Gasket Set, Add	216.13	
For 300 LB Rating Teflon Gasket Set, Add	248.84	
For Work In Restricted Working Space, Add	61.35	
23 21 13 23-0780 EA 14", 150 LB, Rubber Flange Gasket Replacement.....	245.01	
For 300 LB Rating Gasket Set, Add	11.70	
For 150 LB Rating Teflon Gasket Set, Add	258.49	
For 300 LB Rating Teflon Gasket Set, Add	297.62	
For Work In Restricted Working Space, Add	63.47	
23 21 13 23-0781 EA 16", 150 LB, Rubber Flange Gasket Replacement.....	319.37	
For 300 LB Rating Gasket Set, Add	13.05	
For 150 LB Rating Teflon Gasket Set, Add	288.25	
For 300 LB Rating Teflon Gasket Set, Add	331.88	
For Work In Restricted Working Space, Add	84.62	
23 21 13 23-0782 EA 18", 150 LB, Rubber Flange Gasket Replacement.....	347.77	
For 300 LB Rating Gasket Set, Add	13.62	
For 150 LB Rating Teflon Gasket Set, Add	300.77	
For 300 LB Rating Teflon Gasket Set, Add	346.30	
For Work In Restricted Working Space, Add	92.66	
23 21 13 23-0783 EA 20", 150 LB, Rubber Flange Gasket Replacement.....	418.28	
For 300 LB Rating Gasket Set, Add	14.61	
For 150 LB Rating Teflon Gasket Set, Add	322.65	
For 300 LB Rating Teflon Gasket Set, Add	371.49	
For Work In Restricted Working Space, Add	112.96	
23 21 13 23-0784 Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0785 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	30.63	
For Work In Restricted Working Space, Add	9.19	
23 21 13 23-0786 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	33.08	
For Work In Restricted Working Space, Add	9.92	
23 21 13 23-0787 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	37.21	
For Work In Restricted Working Space, Add	11.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0788 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	39.05 11.72	
23 21 13 23-0789 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	41.34 12.40	
23 21 13 23-0790 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	44.40 13.32	
23 21 13 23-0791 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.48 14.24	
23 21 13 23-0792 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	52.06 15.62	
23 21 13 23-0793 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	56.65 17.00	
23 21 13 23-0794 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	61.25 18.38	
23 21 13 23-0795 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	65.84 19.75	
23 21 13 23-0796 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	71.97 21.59	
23 21 13 23-0797 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	78.10 23.43	
23 21 13 23-0798 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	84.22 25.27	
23 21 13 23-0799 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	90.35 27.11	
23 21 13 23-0800 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	94.94 28.48	
23 21 13 23-0801 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	99.54 29.86	
23 21 13 23-0802 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	105.66 31.70	
23 21 13 23-0803 Welded Plain End Electric Resistance Black Steel Pipe <small>(23 21 13 23-0393)</small> Note: ASTM A-135.		
23 21 13 23-0804 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	38.15 7.71	15.69
23 21 13 23-0805 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	44.82 7.71	17.12
23 21 13 23-0806 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	48.76 7.55	16.83
23 21 13 23-0807 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	60.56 9.62	21.40
23 21 13 23-0808 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	102.65 14.24	31.67
23 21 13 23-0809 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	129.50 15.49	34.38
23 21 13 23-0810 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	179.91 19.27	42.82
23 21 13 23-0811 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	218.90 23.22	51.63
23 21 13 23-0812 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	278.02 30.14	67.00
23 21 13 23-0813 Flanged Steel Fittings <small>(23 21 13 23)</small> See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.		
23 21 13 23-0814 Flanged Steel Fittings, Standard Weight <small>(23 21 13 23-0813)</small> Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0815 Flanged Steel, 90 Degree Elbows <small>(23 21 13 23-0814)</small>		
23 21 13 23-0816 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	574.18 380.39 570.59	65.83
23 21 13 23-0817 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	640.41 424.35 636.53	73.31
23 21 13 23-0818 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	637.35 412.89 619.33	80.92
23 21 13 23-0819 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	807.62 533.31 799.97	94.03
23 21 13 23-0820 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,125.61 774.16 1,161.24	105.31
23 21 13 23-0821 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,191.60 806.66 1,209.98	122.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0822 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,509.28 1,045.01 1,567.51	135.34
23 21 13 23-0823 Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0814)		
23 21 13 23-0824 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,064.86 768.42 1,152.64	69.65
23 21 13 23-0825 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,109.58 795.18 1,192.78	77.12
23 21 13 23-0826 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,380.76 999.72 1,499.58	87.40
23 21 13 23-0827 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,707.00 1,253.95 1,880.93	93.05
23 21 13 23-0828 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,944.61 1,425.98 2,138.98	108.13
23 21 13 23-0829 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,709.16 2,012.82 3,019.22	128.85
23 21 13 23-0830 Flanged Steel, 45 Degree Elbows (23 21 13 23-0814)		
23 21 13 23-0831 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	746.21 518.02 777.02	65.83
23 21 13 23-0832 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	779.00 535.22 802.84	73.31
23 21 13 23-0833 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	809.38 550.51 825.77	80.92
23 21 13 23-0834 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,008.33 693.88 1,040.82	94.03
23 21 13 23-0835 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,450.57 1,034.13 1,551.19	105.31
23 21 13 23-0836 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,416.20 986.34 1,479.50	122.23
23 21 13 23-0837 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,669.23 1,172.97 1,759.45	135.34
23 21 13 23-0838 Flanged Steel, Tees (23 21 13 23-0814)		
23 21 13 23-0839 EA 2" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	738.21 472.14 708.22	98.69
23 21 13 23-0840 EA 2-1/2" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	951.05 628.89 943.33	109.97
23 21 13 23-0841 EA 3" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	870.03 550.53 825.79	121.24
23 21 13 23-0842 EA 4" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,238.87 821.93 1,232.89	141.12
23 21 13 23-0843 EA 5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,833.83 1,277.59 1,916.39	158.04
23 21 13 23-0844 EA 6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,236.90 1,569.60 2,354.40	183.42
23 21 13 23-0845 EA 8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,477.94 1,727.46 2,591.18	212.46
23 21 13 23-0846 Flanged Steel, Reducing Tees (23 21 13 23-0814)		
23 21 13 23-0847 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,160.45 800.92 1,201.38	106.30
23 21 13 23-0848 EA 3" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,339.86 930.90 1,396.36	117.58
23 21 13 23-0849 EA 4" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,296.94 1,676.27 2,514.41	134.50

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0850	EA	5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,483.68 1,804.23 2,706.35	152.40
23 21	13 23-0851	EA	6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,119.99 2,286.22 3,429.32	174.96
23 21	13 23-0852	EA	8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,893.06 2,878.74 4,318.10	196.53
23 21	13 23-0853		Flanged Steel, Concentric Reducers (23 21 13 23-0814)		
23 21	13 23-0854	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,095.25 783.72 1,175.58	77.12
23 21	13 23-0855	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,244.56 890.76 1,336.14	87.40
23 21	13 23-0856	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,843.52 1,355.26 2,032.90	99.67
23 21	13 23-0857	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,033.02 1,496.71 2,245.07	108.13
23 21	13 23-0858	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,381.82 1,750.94 2,626.42	128.85
23 21	13 23-0859		Flanged Steel, Eccentric Reducers (23 21 13 23-0814)		
23 21	13 23-0860	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,184.35 842.59 1,263.89	87.40
23 21	13 23-0861	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,607.92 1,166.78 1,750.18	99.67
23 21	13 23-0862		Plain End Couplings And Fittings (23 21 13 23)		
			Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21	13 23-0863		Plain End Piping System Couplings (23 21 13 23-0862)		
23 21	13 23-0864		Plainlock Plain End Piping System Couplings (23 21 13 23-0863)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21	13 23-0865	EA	1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	175.31 32.52	8.46
23 21	13 23-0866	EA	1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	180.23 32.52	11.70
23 21	13 23-0867	EA	2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	185.95 32.52	15.51
23 21	13 23-0868	EA	2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	190.82 32.52	18.75
23 21	13 23-0869	EA	3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	225.75 38.38	22.56
23 21	13 23-0870	EA	4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	311.01 53.18	30.03
23 21	13 23-0871	EA	6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	522.31 89.80	48.92
23 21	13 23-0872		Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0863)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21	13 23-0873	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	211.82 48.55	11.70
23 21	13 23-0874	EA	2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	217.54 48.55	15.51
23 21	13 23-0875	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	222.42 48.55	18.89
23 21	13 23-0876	EA	3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	321.49 71.92	22.56
23 21	13 23-0877	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	372.42 83.23	26.37
23 21	13 23-0878	EA	4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	378.00 83.23	30.03
23 21	13 23-0879	EA	5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	532.05 118.90	37.64
23 21	13 23-0880	EA	6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	654.22 145.22	48.92
23 21	13 23-0881	EA	8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,117.51 257.51	58.36
23 21	13 23-0882	EA	10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,443.70 335.01	69.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0883 EA 12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,804.15 420.37	81.77
23 21 13 23-0884 EA 14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,523.28 596.93	90.37
23 21 13 23-0885 EA 16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	3,423.03 817.45	102.21
23 21 13 23-0886 Plain End Piping System Fittings <small>(23 21 13 23-0862)</small> Note: Cast ductile iron bodies.		
23 21 13 23-0887 Plain End Piping System, 90 Degree Elbows <small>(23 21 13 23-0886)</small>		
23 21 13 23-0888 EA 1" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	176.55 30.70	15.37
23 21 13 23-0889 EA 1-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	188.40 30.70	23.26
23 21 13 23-0890 EA 2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	199.59 30.70	30.73
23 21 13 23-0891 EA 2-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	209.63 30.70	37.50
23 21 13 23-0892 EA 3" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	252.42 36.88	45.39
23 21 13 23-0893 EA 4" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	358.58 53.78	59.77
23 21 13 23-0894 EA 5" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,042.97 186.15	74.87
23 21 13 23-0895 EA 6" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	886.94 148.02	97.98
23 21 13 23-0896 EA 8" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,737.60 312.62	116.30
23 21 13 23-0897 EA 10" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,168.34 392.92	135.90
23 21 13 23-0898 EA 12" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,746.15 500.28	163.26
23 21 13 23-0899 Plain End Piping System, 45 Degree Elbows <small>(23 21 13 23-0886)</small>		
23 21 13 23-0900 EA 1" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	176.55 30.70	15.37
23 21 13 23-0901 EA 1-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	188.40 30.70	23.26
23 21 13 23-0902 EA 2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	199.59 30.70	30.73
23 21 13 23-0903 EA 2-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	209.63 30.70	37.50
23 21 13 23-0904 EA 3" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	252.42 36.88	45.39
23 21 13 23-0905 EA 4" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	358.58 53.78	59.77
23 21 13 23-0906 EA 5" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,042.97 186.15	74.87
23 21 13 23-0907 EA 6" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	889.78 148.59	97.98
23 21 13 23-0908 EA 8" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,033.36 171.78	116.30
23 21 13 23-0909 EA 10" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,402.35 239.72	135.90
23 21 13 23-0910 EA 12" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,793.23 309.69	163.26
23 21 13 23-0911 Plain End Piping System, Tees <small>(23 21 13 23-0886)</small>		
23 21 13 23-0912 EA 1" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	241.61 41.34	23.26
23 21 13 23-0913 EA 1-1/2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	259.09 41.34	34.96
23 21 13 23-0914 EA 2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	274.50 41.34	45.25
23 21 13 23-0915 EA 2-1/2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	289.84 41.34	55.41
23 21 13 23-0916 EA 3" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	399.65 59.50	68.10
23 21 13 23-0917 EA 4" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	545.72 82.74	88.11
23 21 13 23-0918 EA 5" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	1,081.59 181.76	115.18
23 21 13 23-0919 EA 6" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	1,337.89 224.33	144.22
23 21 13 23-0920 EA 8" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	1,817.19 310.83	175.38
23 21 13 23-0921 EA 10" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	2,679.83 474.67	204.42
23 21 13 23-0922 EA 12" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	3,577.75 642.12	244.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0923 Plain End Piping System, Reducing Tees (23 21 13 23-0886)		
23 21 13 23-0924 EA 1-1/2" Plain End Piping System, Reducing Tee.....	464.78	37.50
For Galvanized Fittings, Add	81.72	
23 21 13 23-0925 EA 2" Plain End Piping System, Reducing Tee.....	476.38	45.25
For Galvanized Fittings, Add	81.72	
23 21 13 23-0926 EA 2-1/2" Plain End Piping System, Reducing Tee.....	491.72	55.41
For Galvanized Fittings, Add	81.72	
23 21 13 23-0927 EA 3" Plain End Piping System, Reducing Tee.....	510.76	68.10
For Galvanized Fittings, Add	81.72	
23 21 13 23-0928 EA 4" Plain End Piping System, Reducing Tee.....	735.22	88.11
For Galvanized Fittings, Add	120.64	
23 21 13 23-0929 EA 6" Plain End Piping System, Reducing Tee.....	1,240.57	144.22
For Galvanized Fittings, Add	204.87	
23 21 13 23-0930 EA 8" Plain End Piping System, Reducing Tee.....	1,612.03	175.38
For Galvanized Fittings, Add	269.80	
23 21 13 23-0931 EA 10" Plain End Piping System, Reducing Tee.....	2,386.18	204.42
For Galvanized Fittings, Add	415.94	
23 21 13 23-0932 EA 12" Plain End Piping System, Reducing Tee.....	3,493.72	244.89
For Galvanized Fittings, Add	625.32	
23 21 13 23-0933 Plain End Piping System, Wyes (23 21 13 23-0886)		
23 21 13 23-0934 EA 2" Plain End Piping System, Wye.....	673.28	45.25
For Galvanized Fittings, Add	121.10	
23 21 13 23-0935 EA 2-1/2" Plain End Piping System, Wye.....	688.62	55.41
For Galvanized Fittings, Add	121.10	
23 21 13 23-0936 EA 3" Plain End Piping System, Wye.....	782.78	68.10
For Galvanized Fittings, Add	136.12	
23 21 13 23-0937 EA 4" Plain End Piping System, Wye.....	1,142.26	88.11
For Galvanized Fittings, Add	202.05	
23 21 13 23-0938 EA 5" Plain End Piping System, Wye.....	1,402.13	115.18
For Galvanized Fittings, Add	245.87	
23 21 13 23-0939 EA 6" Plain End Piping System, Wye.....	1,909.10	144.22
For Galvanized Fittings, Add	338.57	
23 21 13 23-0940 EA 8" Plain End Piping System, Wye.....	2,455.41	175.38
For Galvanized Fittings, Add	438.48	
23 21 13 23-0941 EA 10" Plain End Piping System, Wye.....	3,539.42	204.42
For Galvanized Fittings, Add	646.59	
23 21 13 23-0942 EA 12" Plain End Piping System, Wye.....	5,351.00	244.89
For Galvanized Fittings, Add	996.77	
23 21 13 23-0943 Plain End Piping System, Laterals (23 21 13 23-0886)		
23 21 13 23-0944 EA 2" Plain End Piping System, Lateral.....	716.10	45.25
For Galvanized Fittings, Add	129.66	
23 21 13 23-0945 EA 2-1/2" Plain End Piping System, Lateral.....	731.44	55.41
For Galvanized Fittings, Add	129.66	
23 21 13 23-0946 EA 3" Plain End Piping System, Lateral.....	825.32	68.10
For Galvanized Fittings, Add	144.63	
23 21 13 23-0947 EA 4" Plain End Piping System, Lateral.....	1,223.50	88.11
For Galvanized Fittings, Add	218.30	
23 21 13 23-0948 EA 5" Plain End Piping System, Lateral.....	1,595.61	115.18
For Galvanized Fittings, Add	284.57	
23 21 13 23-0949 EA 6" Plain End Piping System, Lateral.....	2,033.59	144.22
For Galvanized Fittings, Add	363.47	
23 21 13 23-0950 EA 8" Plain End Piping System, Lateral.....	2,912.67	175.38
For Galvanized Fittings, Add	529.93	
23 21 13 23-0951 EA 10" Plain End Piping System, Lateral.....	4,046.76	204.42
For Galvanized Fittings, Add	748.06	
23 21 13 23-0952 EA 12" Plain End Piping System, Lateral.....	5,426.40	244.89
For Galvanized Fittings, Add	1,011.85	
23 21 13 23-0953 Plain End Piping System, Crosses (23 21 13 23-0886)		
23 21 13 23-0954 EA 2" Plain End Piping System, Cross.....	805.52	67.82
For Galvanized Fittings, Add	87.99	
23 21 13 23-0955 EA 2-1/2" Plain End Piping System, Cross.....	828.49	83.04
For Galvanized Fittings, Add	87.99	
23 21 13 23-0956 EA 3" Plain End Piping System, Cross.....	969.73	102.21
For Galvanized Fittings, Add	102.06	
23 21 13 23-0957 EA 4" Plain End Piping System, Cross.....	1,319.67	132.10
For Galvanized Fittings, Add	140.21	
23 21 13 23-0958 EA 5" Plain End Piping System, Cross.....	1,852.30	172.84
For Galvanized Fittings, Add	199.14	
23 21 13 23-0959 EA 6" Plain End Piping System, Cross.....	2,426.95	215.70
For Galvanized Fittings, Add	262.95	
23 21 13 23-0960 EA 8" Plain End Piping System, Cross.....	3,090.33	261.24
For Galvanized Fittings, Add	337.34	
23 21 13 23-0961 EA 10" Plain End Piping System, Cross.....	4,395.34	305.36
For Galvanized Fittings, Add	492.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0962 EA 12" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	6,228.41 709.71	367.40
23 21 13 23-0963 Plain End Piping System, Adapter Nipples (23 21 13 23-0886) Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0964 EA 1" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	77.30 16.15	8.46
23 21 13 23-0965 EA 1-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	84.01 16.60	11.70
23 21 13 23-0966 EA 2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	89.58 16.60	15.51
23 21 13 23-0967 EA 2-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	105.98 19.45	18.75
23 21 13 23-0968 EA 3" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	129.95 24.03	22.56
23 21 13 23-0969 EA 4" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	205.83 40.18	30.03
23 21 13 23-0970 EA 6" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	491.04 108.66	37.64
23 21 13 23-0971 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0886)		
23 21 13 23-0972 EA 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	247.46 54.29	20.16
23 21 13 23-0973 EA 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	253.12 54.29	23.96
23 21 13 23-0974 EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	258.81 54.29	27.77
23 21 13 23-0975 EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	257.43 54.29	26.93
23 21 13 23-0976 EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	262.98 54.29	30.59
23 21 13 23-0977 EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	268.61 54.29	34.26
23 21 13 23-0978 EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	310.90 66.12	31.01
23 21 13 23-0979 EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	315.92 66.12	34.26
23 21 13 23-0980 EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	260.53 50.85	38.06
23 21 13 23-0981 EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	271.44 50.85	45.39
23 21 13 23-0982 EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	316.50 60.81	48.92
23 21 13 23-0983 EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	429.67 92.97	38.48
23 21 13 23-0984 EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	434.61 92.97	41.87
23 21 13 23-0985 EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	350.05 70.40	45.67
23 21 13 23-0986 EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	354.89 70.40	48.92
23 21 13 23-0987 EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	360.64 70.40	52.72
23 21 13 23-0988 EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	366.13 70.40	56.39
23 21 13 23-0989 EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,115.32 258.90	53.15
23 21 13 23-0990 EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	889.46 199.83	60.05
23 21 13 23-0991 EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	759.34 164.44	67.82
23 21 13 23-0992 EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	2,059.19 493.31	57.38
23 21 13 23-0993 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	2,064.05 493.31	60.63
23 21 13 23-0994 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,556.03 364.87	64.43
23 21 13 23-0995 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,561.03 364.87	67.82
23 21 13 23-0996 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,052.97 236.46	71.48
23 21 13 23-0997 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,058.09 236.46	74.87
23 21 13 23-0998 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	835.61 179.33	78.95
23 21 13 23-0999 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	952.04 205.62	86.42
23 21 13 23-1000 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,261.81 285.17	80.78
23 21 13 23-1001 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,273.19 285.17	88.39

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1002 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	1,441.54	96.01
For Galvanized Fittings, Add	324.42	
23 21 13 23-1003 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	1,615.54	107.28
For Galvanized Fittings, Add	363.65	
23 21 13 23-1004 Plain End Piping System, Bull Plugs (23 21 13 23-0886)		
23 21 13 23-1005 EA 1" Plain End Piping System, Bull Plug.....	346.46	8.46
For Galvanized Fittings, Add	100.13	
23 21 13 23-1006 EA 1-1/2" Plain End Piping System, Bull Plug.....	351.39	11.70
For Galvanized Fittings, Add	100.13	
23 21 13 23-1007 EA 2" Plain End Piping System, Bull Plug.....	356.96	15.51
For Galvanized Fittings, Add	100.13	
23 21 13 23-1008 EA 2-1/2" Plain End Piping System, Bull Plug.....	361.97	18.75
For Galvanized Fittings, Add	100.13	
23 21 13 23-1009 EA 3" Plain End Piping System, Bull Plug.....	523.10	22.56
For Galvanized Fittings, Add	146.78	
23 21 13 23-1010 EA 4" Plain End Piping System, Bull Plug.....	677.07	30.03
For Galvanized Fittings, Add	189.59	
23 21 13 23-1011 EA 5" Plain End Piping System, Bull Plug.....	1,173.20	37.64
For Galvanized Fittings, Add	335.05	
23 21 13 23-1012 EA 6" Plain End Piping System, Bull Plug.....	1,562.87	48.92
For Galvanized Fittings, Add	446.87	
23 21 13 23-1013 EA 8" Plain End Piping System, Bull Plug.....	2,887.83	58.22
For Galvanized Fittings, Add	840.13	
23 21 13 23-1014 EA 10" Plain End Piping System, Bull Plug.....	5,185.89	68.10
For Galvanized Fittings, Add	1,525.12	
23 21 13 23-1015 EA 12" Plain End Piping System, Bull Plug.....	7,940.51	81.77
For Galvanized Fittings, Add	2,345.36	
23 21 13 23-1016 Carbon Steel Piping Systems (23 21 13 23)		
23 21 13 23-1017 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1016)		
Note: ASTM A105		
23 21 13 23-1018 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1019 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	56.70	27.91
23 21 13 23-1020 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	63.82	31.15
23 21 13 23-1021 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	83.68	34.82
23 21 13 23-1022 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	117.76	39.48
23 21 13 23-1023 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	134.91	44.41
23 21 13 23-1024 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	184.91	56.53
23 21 13 23-1025 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	379.64	83.60
23 21 13 23-1026 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	544.52	109.97
23 21 13 23-1027 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	968.11	108.05
23 21 13 23-1028 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1029 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	63.28	27.91
23 21 13 23-1030 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	73.77	31.15
23 21 13 23-1031 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	86.74	34.82
23 21 13 23-1032 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	121.64	39.48
23 21 13 23-1033 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	144.20	44.41
23 21 13 23-1034 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	184.72	56.53
23 21 13 23-1035 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	436.46	83.60
23 21 13 23-1036 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	592.59	109.97
23 21 13 23-1037 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	947.31	108.05
23 21 13 23-1038 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1039 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	69.19	34.82
23 21 13 23-1040 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	84.74	40.18
23 21 13 23-1041 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	114.55	47.51
23 21 13 23-1042 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	155.35	56.53
23 21 13 23-1043 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	188.70	67.39
23 21 13 23-1044 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	252.53	83.60
23 21 13 23-1045 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	471.16	109.97
23 21 13 23-1046 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	655.69	130.54
23 21 13 23-1047 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	1,284.96	136.41
23 21 13 23-1048 Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1049 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	70.99	34.82
23 21 13 23-1050 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	86.60	40.18
23 21 13 23-1051 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	116.78	47.51
23 21 13 23-1052 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	160.63	56.53
23 21 13 23-1053 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	194.89	67.39
23 21 13 23-1054 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	262.04	83.60
23 21 13 23-1055 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	493.75	109.97
23 21 13 23-1056 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	688.21	130.54
23 21 13 23-1057 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	1,169.23	136.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1058				Straight Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1017)</small>		
				23 21 13 23-1059 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	48.59	27.91
				23 21 13 23-1060 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	54.84	31.15
				23 21 13 23-1061 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	64.61	34.82
				23 21 13 23-1062 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	74.73	39.48
				23 21 13 23-1063 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	87.66	44.41
				23 21 13 23-1064 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	115.37	56.53
				23 21 13 23-1065 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	202.49	83.60
				23 21 13 23-1066 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	271.33	109.97
				23 21 13 23-1067 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	374.28	108.05
23 21 13 23-1068				Reducing Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1017)</small>		
				23 21 13 23-1069 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	52.26	27.91
				23 21 13 23-1070 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	58.87	31.15
				23 21 13 23-1071 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	71.05	34.82
				23 21 13 23-1072 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	82.51	39.48
				23 21 13 23-1073 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	99.21	44.41
				23 21 13 23-1074 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	127.71	56.53
				23 21 13 23-1075 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	229.68	83.60
				23 21 13 23-1076 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	326.02	109.97
				23 21 13 23-1077 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	487.96	108.05
23 21 13 23-1078				Caps, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1017)</small>		
				23 21 13 23-1079 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	30.36	13.11
				23 21 13 23-1080 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	35.02	13.96
				23 21 13 23-1081 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	41.20	16.07
				23 21 13 23-1082 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	48.41	17.48
				23 21 13 23-1083 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	56.59	17.48
				23 21 13 23-1084 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	73.47	22.41
				23 21 13 23-1085 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	135.45	27.91
				23 21 13 23-1086 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	198.12	33.70
				23 21 13 23-1087 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	285.63	36.98
23 21 13 23-1088				Black Cast Iron Square Head Plug <small>(23 21 13 23-1017)</small>		
				23 21 13 23-1089 EA 1/2" Square Head Plug, Black, Cast Iron.....	18.96	11.14
				23 21 13 23-1090 EA 3/4" Square Head Plug, Black, Cast Iron.....	22.45	11.14
				23 21 13 23-1091 EA 1" Square Head Plug, Black, Cast Iron.....	31.76	16.91
				23 21 13 23-1092 EA 1-1/4" Square Head Plug, Black, Cast Iron.....	32.46	16.91
				23 21 13 23-1093 EA 1-1/2" Square Head Plug, Black, Cast Iron.....	35.36	16.91
				23 21 13 23-1094 EA 2" Square Head Plug, Black, Cast Iron.....	46.78	22.41
				23 21 13 23-1095 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	60.75	27.91
				23 21 13 23-1096 EA 3" Square Head Plug, Black, Cast Iron.....	81.00	33.70
				23 21 13 23-1097 EA 4" Square Head Plug, Black, Cast Iron.....	91.28	36.98
23 21 13 23-1098				Unions, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1017)</small>		
				23 21 13 23-1099 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	90.44	34.82
				23 21 13 23-1100 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	99.46	40.18
				23 21 13 23-1101 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	128.52	47.51
				23 21 13 23-1102 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	163.79	56.53
				23 21 13 23-1103 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	197.61	67.39
				23 21 13 23-1104 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	247.33	83.60
				23 21 13 23-1105 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	448.66	90.79
				23 21 13 23-1106 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	607.73	109.97
23 21 13 23-1107				Class 6,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-1016)</small>		
				Note: ASTM A105		
23 21 13 23-1108				90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1107)</small>		
				23 21 13 23-1109 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	64.63	27.91
				23 21 13 23-1110 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	72.88	31.15
				23 21 13 23-1111 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	100.39	34.82
				23 21 13 23-1112 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	148.91	39.48
				23 21 13 23-1113 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	171.16	44.41
				23 21 13 23-1114 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	238.15	56.53
				23 21 13 23-1115 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	514.72	83.60
				23 21 13 23-1116 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	746.14	109.97
				23 21 13 23-1117 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,396.28	108.05
23 21 13 23-1118				45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1107)</small>		
				23 21 13 23-1119 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	75.46	27.91
				23 21 13 23-1120 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	89.07	31.15
				23 21 13 23-1121 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	106.28	34.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1122 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	157.05	39.48
23 21 13 23-1123 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	188.10	44.41
23 21 13 23-1124 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	241.37	56.53
23 21 13 23-1125 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	612.64	83.60
23 21 13 23-1126 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	834.76	109.97
23 21 13 23-1127 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,392.00	108.05
23 21 13 23-1128 Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1129 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	84.90	34.82
23 21 13 23-1130 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	107.43	40.18
23 21 13 23-1131 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	154.70	47.51
23 21 13 23-1132 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	220.81	56.53
23 21 13 23-1133 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	269.87	67.39
23 21 13 23-1134 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	370.36	83.60
23 21 13 23-1135 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	754.83	109.97
23 21 13 23-1136 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,081.62	130.54
23 21 13 23-1137 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	2,285.65	136.41
23 21 13 23-1138 Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1139 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	70.99	34.82
23 21 13 23-1140 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	86.60	40.18
23 21 13 23-1141 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	116.78	47.51
23 21 13 23-1142 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	160.63	56.53
23 21 13 23-1143 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	194.89	67.39
23 21 13 23-1144 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	262.04	83.60
23 21 13 23-1145 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	493.75	109.97
23 21 13 23-1146 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	688.21	130.54
23 21 13 23-1147 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	1,169.23	136.41
23 21 13 23-1148 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1149 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	51.89	27.91
23 21 13 23-1150 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	58.74	31.15
23 21 13 23-1151 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	70.59	34.82
23 21 13 23-1152 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	82.28	39.48
23 21 13 23-1153 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	97.82	44.41
23 21 13 23-1154 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	130.21	56.53
23 21 13 23-1155 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	239.82	83.60
23 21 13 23-1156 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	322.81	109.97
23 21 13 23-1157 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	476.97	108.05
23 21 13 23-1158 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1159 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	57.30	27.91
23 21 13 23-1160 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	64.68	31.15
23 21 13 23-1161 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	80.09	34.82
23 21 13 23-1162 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	93.74	39.48
23 21 13 23-1163 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	114.83	44.41
23 21 13 23-1164 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	148.37	56.53
23 21 13 23-1165 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	279.78	83.60
23 21 13 23-1166 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	403.37	109.97
23 21 13 23-1167 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	644.45	108.05
23 21 13 23-1168 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1169 EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	37.59	13.11
23 21 13 23-1170 EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	44.50	13.96
23 21 13 23-1171 EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	52.68	16.07
23 21 13 23-1172 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	63.37	17.48
23 21 13 23-1173 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	77.04	17.48
23 21 13 23-1174 EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	100.16	22.41
23 21 13 23-1175 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	198.32	27.91
23 21 13 23-1176 EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	297.17	33.70
23 21 13 23-1177 EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	440.06	36.98
23 21 13 23-1178 Black Cast Iron Square Head Plug (23 21 13 23-1107)		
23 21 13 23-1179 EA 1/2" Square Head Plug, Black Cast Iron.....	18.97	11.14
23 21 13 23-1180 EA 3/4" Square Head Plug, Black Cast Iron.....	22.48	11.14
23 21 13 23-1181 EA 1" Square Head Plug, Black Cast Iron.....	31.80	16.91
23 21 13 23-1182 EA 1-1/4" Square Head Plug, Black Cast Iron.....	32.50	16.91
23 21 13 23-1183 EA 1-1/2" Square Head Plug, Black Cast Iron.....	35.41	16.91
23 21 13 23-1184 EA 2" Square Head Plug, Black Cast Iron.....	46.84	22.41
23 21 13 23-1185 EA 2-1/2" Square Head Plug, Black Cast Iron.....	60.85	27.91
23 21 13 23-1186 EA 3" Square Head Plug, Black Cast Iron.....	81.15	33.70
23 21 13 23-1187 EA 4" Square Head Plug, Black Cast Iron.....	91.45	36.98



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1188				Unions, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1107)</small>		
			EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	113.81	34.82
			EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	123.45	40.18
			EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	163.58	47.51
			EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	212.17	56.53
			EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	256.65	67.39
			EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	321.95	83.60
			EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	639.71	90.79
			EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	878.53	109.97
23 21 13 23-1197				Carbon Steel, Seamless Piping System <small>(23 21 13 23-1016)</small>		
				Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1198				Schedule 40, Carbon Steel, Seamless Piping <small>(23 21 13 23-1197)</small>		
				Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
			LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	13.39	5.22
				<i>For Schedule 80, Add</i>	2.00	
			LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	13.64	5.64
				<i>For Schedule 80, Add</i>	1.83	
				<i>For Schedule 160, Add</i>	7.64	
			LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	15.33	6.06
				<i>For Schedule 80, Add</i>	2.24	
				<i>For Schedule 160, Add</i>	9.35	
			LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	16.27	6.63
				<i>For Schedule 80, Add</i>	2.31	
				<i>For Schedule 160, Add</i>	9.63	
			LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	22.66	8.18
				<i>For Schedule 80, Add</i>	3.74	
				<i>For Schedule 160, Add</i>	15.60	
			LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	27.29	9.86
				<i>For Schedule 80, Add</i>	4.48	
				<i>For Schedule 160, Add</i>	18.68	
23 21 13 23-1205				90 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
			EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	41.57	21.43
			EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	50.52	25.10
			EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	56.42	28.06
			EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	65.06	31.29
			EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	106.65	40.04
			EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	135.09	50.89
			EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	44.57	21.43
			EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	51.64	25.10
			EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	60.13	28.06
			EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	73.13	31.29
			EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	125.92	40.04
			EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	156.38	50.89
			EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	62.13	25.10
			EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	73.33	28.06
			EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	87.00	31.29
			EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	164.90	40.04
			EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	259.77	50.89
23 21 13 23-1223				45 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
			EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	47.76	21.43
			EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	52.94	25.10
			EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	59.55	28.06
			EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	67.44	31.29
			EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	98.96	40.04
			EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	146.96	50.89
			EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	48.24	21.43
			EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	55.69	25.10
			EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	62.71	28.06
			EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	75.68	31.29
			EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	122.94	40.04
			EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	163.02	50.89
			EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	69.37	25.10
			EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	86.40	28.06
			EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	91.91	31.29
			EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	192.71	40.04
			EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	261.61	50.89
23 21 13 23-1241				Straight Tees, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
			EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	55.55	29.74
			EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	63.73	31.29
			EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	77.05	36.23
			EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	95.30	42.72
			EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	156.60	60.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1247 EA 2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	194.17	75.29
23 21 13 23-1248 EA 1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	58.11	29.74
23 21 13 23-1249 EA 1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	65.40	31.29
23 21 13 23-1250 EA 3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	82.62	36.23
23 21 13 23-1251 EA 1" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	100.08	42.72
23 21 13 23-1252 EA 1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	173.13	60.63
23 21 13 23-1253 EA 2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	221.52	75.29
23 21 13 23-1254 EA 1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	77.98	31.29
23 21 13 23-1255 EA 3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	96.14	36.23
23 21 13 23-1256 EA 1" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	133.50	42.72
23 21 13 23-1257 EA 1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	211.10	60.63
23 21 13 23-1258 EA 2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	342.57	75.29
23 21 13 23-1259 Crosses, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1260 EA 1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	85.62	37.64
23 21 13 23-1261 EA 1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	102.24	42.29
23 21 13 23-1262 EA 3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	110.09	45.11
23 21 13 23-1263 EA 1" Cross, 2,000 LB, Screwed Carbon Steel.....	136.84	54.42
23 21 13 23-1264 EA 1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	247.22	76.13
23 21 13 23-1265 EA 2" Cross, 2,000 LB, Screwed Carbon Steel.....	321.28	94.03
23 21 13 23-1266 EA 1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	105.39	42.29
23 21 13 23-1267 EA 3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	128.16	45.11
23 21 13 23-1268 EA 1" Cross, 3,000 LB, Screwed Carbon Steel.....	152.66	54.42
23 21 13 23-1269 EA 1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	270.03	76.13
23 21 13 23-1270 EA 2" Cross, 3,000 LB, Screwed Carbon Steel.....	362.94	94.03
23 21 13 23-1271 EA 1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	164.27	42.29
23 21 13 23-1272 EA 3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	288.89	45.11
23 21 13 23-1273 EA 1" Cross, 6,000 LB, Screwed Carbon Steel.....	400.33	54.42
23 21 13 23-1274 EA 1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	638.32	76.13
23 21 13 23-1275 EA 2" Cross, 6,000 LB, Screwed Carbon Steel.....	694.10	94.03
23 21 13 23-1276 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1277 EA 1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	37.64	21.43
23 21 13 23-1278 EA 1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	42.82	25.10
23 21 13 23-1279 EA 3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	49.27	28.06
23 21 13 23-1280 EA 1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	57.81	31.29
23 21 13 23-1281 EA 1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	87.22	40.04
23 21 13 23-1282 EA 2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	110.67	50.89
23 21 13 23-1283 EA 1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	45.19	21.43
23 21 13 23-1284 EA 1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	47.60	25.10
23 21 13 23-1285 EA 3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	52.94	28.06
23 21 13 23-1286 EA 1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	62.70	31.29
23 21 13 23-1287 EA 1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	94.69	40.04
23 21 13 23-1288 EA 2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	137.95	50.89
23 21 13 23-1289 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1290 EA 1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	38.69	22.84
23 21 13 23-1291 EA 1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	45.30	25.10
23 21 13 23-1292 EA 3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	53.05	28.06
23 21 13 23-1293 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	63.06	31.29
23 21 13 23-1294 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	88.58	40.04
23 21 13 23-1295 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	118.03	50.89
23 21 13 23-1296 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	141.95	25.10
23 21 13 23-1297 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	146.43	28.06
23 21 13 23-1298 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	171.90	31.29
23 21 13 23-1299 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	249.57	40.04
23 21 13 23-1300 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	361.71	50.89
23 21 13 23-1301 Caps, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1302 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	18.86	9.58
23 21 13 23-1303 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	21.72	11.14
23 21 13 23-1304 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	25.67	12.55
23 21 13 23-1305 EA 1" Cap, 3,000 LB, Screwed Carbon Steel.....	31.49	13.96
23 21 13 23-1306 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	43.51	17.77
23 21 13 23-1307 EA 2" Cap, 3,000 LB, Screwed Carbon Steel.....	59.98	22.70
23 21 13 23-1308 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	27.92	9.58
23 21 13 23-1309 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	27.53	11.14
23 21 13 23-1310 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	35.13	12.55
23 21 13 23-1311 EA 1" Cap, 6,000 LB, Screwed Carbon Steel.....	38.40	13.96
23 21 13 23-1312 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	71.66	17.77
23 21 13 23-1313 EA 2" Cap, 6,000 LB, Screwed Carbon Steel.....	87.39	22.70
23 21 13 23-1314 Nipples, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1315 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel.....	23.24	12.83
23 21 13 23-1316 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel.....	23.58	13.39



Heating, Ventilating, and Air-Conditioning (HVAC)

23

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1317	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	23.35	13.39
23 21	13 23-1318	EA	1" Nipple, 2" Long, Screwed Carbon Steel	26.27	14.52
23 21	13 23-1319	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	30.42	15.65
23 21	13 23-1320	EA	2" Nipple, 2" Long, Screwed Carbon Steel	35.53	20.16
23 21	13 23-1321	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	24.97	12.83
23 21	13 23-1322	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	24.95	13.39
23 21	13 23-1323	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	24.90	13.39
23 21	13 23-1324	EA	1" Nipple, 4" Long, Screwed Carbon Steel	28.36	14.52
23 21	13 23-1325	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	34.15	15.65
23 21	13 23-1326	EA	2" Nipple, 4" Long, Screwed Carbon Steel	40.99	20.16
23 21	13 23-1327	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	29.11	12.83
23 21	13 23-1328	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	27.13	13.39
23 21	13 23-1329	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	27.33	13.39
23 21	13 23-1330	EA	1" Nipple, 6" Long, Screwed Carbon Steel	31.37	14.52
23 21	13 23-1331	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	39.25	15.65
23 21	13 23-1332	EA	2" Nipple, 6" Long, Screwed Carbon Steel	45.51	20.16
23 21 13 23-1333 Unions, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1334	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	48.41	31.15
23 21	13 23-1335	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	49.95	31.29
23 21	13 23-1336	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	57.26	36.23
23 21	13 23-1337	EA	1" Union, 3,000 LB, Screwed Carbon Steel	68.53	42.72
23 21	13 23-1338	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	98.42	60.63
23 21	13 23-1339	EA	2" Union, 3,000 LB, Screwed Carbon Steel	122.24	75.29
23 21	13 23-1340	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	88.50	31.15
23 21	13 23-1341	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	98.41	31.29
23 21	13 23-1342	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	115.95	36.23
23 21	13 23-1343	EA	1" Union, 6,000 LB, Screwed Carbon Steel	140.86	42.72
23 21	13 23-1344	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	246.32	60.63
23 21	13 23-1345	EA	2" Union, 6,000 LB, Screwed Carbon Steel	304.27	75.29
23 21 13 23-1346 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1347	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	108.68	58.22
23 21	13 23-1348	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	113.60	61.05
23 21	13 23-1349	EA	1" Flange, 150 LB, Screwed Carbon Steel	117.57	63.72
23 21	13 23-1350	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	130.38	71.76
23 21	13 23-1351	EA	2" Flange, 150 LB, Screwed Carbon Steel	135.07	74.87
23 21	13 23-1352	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	110.04	58.22
			<i>For Ring Type Joint, Add</i>	22.67	
			<i>For Blind Flange, Deduct</i>	-39.48	
23 21	13 23-1353	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	115.04	61.05
			<i>For Ring Type Joint, Add</i>	23.44	
			<i>For Blind Flange, Deduct</i>	-41.33	
23 21	13 23-1354	EA	1" Flange, 300 LB, Screwed Carbon Steel	119.75	63.72
			<i>For Ring Type Joint, Add</i>	24.18	
			<i>For Blind Flange, Deduct</i>	-43.06	
23 21	13 23-1355	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	135.59	71.76
			<i>For Ring Type Joint, Add</i>	27.97	
			<i>For Blind Flange, Deduct</i>	-48.64	
23 21	13 23-1356	EA	2" Flange, 300 LB, Screwed Carbon Steel	140.28	74.87
			<i>For Ring Type Joint, Add</i>	27.97	
			<i>For Blind Flange, Deduct</i>	-50.52	
23 21	13 23-1357	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	118.96	58.22
			<i>For Ring Type Joint, Add</i>	31.59	
			<i>For Blind Flange, Deduct</i>	-41.27	
23 21	13 23-1358	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	123.19	61.05
			<i>For Ring Type Joint, Add</i>	31.59	
			<i>For Blind Flange, Deduct</i>	-42.96	
23 21	13 23-1359	EA	1" Flange, 600 LB, Screwed Carbon Steel	128.60	63.72
			<i>For Ring Type Joint, Add</i>	33.03	
			<i>For Blind Flange, Deduct</i>	-44.83	
23 21	13 23-1360	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	146.56	71.76
			<i>For Ring Type Joint, Add</i>	38.94	
			<i>For Blind Flange, Deduct</i>	-50.84	
23 21	13 23-1361	EA	2" Flange, 600 LB, Screwed Carbon Steel	148.55	74.87
			<i>For Ring Type Joint, Add</i>	36.24	
			<i>For Blind Flange, Deduct</i>	-52.17	
23 21 13 23-1362 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1363	EA	1/4" Square Head Plug, Screwed Carbon Steel	7.91	3.95
23 21	13 23-1364	EA	1/2" Square Head Plug, Screwed Carbon Steel	9.47	4.66
23 21	13 23-1365	EA	3/4" Square Head Plug, Screwed Carbon Steel	11.04	5.36
23 21	13 23-1366	EA	1" Square Head Plug, Screwed Carbon Steel	16.08	7.89
23 21	13 23-1367	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	21.34	7.89
23 21	13 23-1368	EA	2" Square Head Plug, Screwed Carbon Steel	31.25	10.29
23 21 13 23-1369 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1370	EA	1/4" Hex Head Plug, Screwed Carbon Steel	7.39	3.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1371 EA 1/2" Hex Head Plug, Screwed Carbon Steel.....	8.98	4.66
23 21 13 23-1372 EA 3/4" Hex Head Plug, Screwed Carbon Steel.....	10.73	5.36
23 21 13 23-1373 EA 1" Hex Head Plug, Screwed Carbon Steel.....	15.79	7.89
23 21 13 23-1374 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel.....	20.18	7.89
23 21 13 23-1375 EA 2" Hex Head Plug, Screwed Carbon Steel.....	32.08	10.29
23 21 13 23-1376 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1377 EA 1/4" Round Head Plug, Screwed Carbon Steel.....	9.09	3.95
23 21 13 23-1378 EA 1/2" Round Head Plug, Screwed Carbon Steel.....	9.54	4.66
23 21 13 23-1379 EA 3/4" Round Head Plug, Screwed Carbon Steel.....	10.82	5.36
23 21 13 23-1380 EA 1" Round Head Plug, Screwed Carbon Steel.....	16.26	7.89
23 21 13 23-1381 EA 1-1/2" Round Head Plug, Screwed Carbon Steel.....	22.80	7.89
23 21 13 23-1382 EA 2" Round Head Plug, Screwed Carbon Steel.....	31.76	10.29
23 21 13 23-1383 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1384 EA 1/4" Hex Bushing, Screwed Carbon Steel.....	7.78	3.95
23 21 13 23-1385 EA 1/2" Hex Bushing, Screwed Carbon Steel.....	8.96	4.66
23 21 13 23-1386 EA 3/4" Hex Bushing, Screwed Carbon Steel.....	10.59	5.36
23 21 13 23-1387 EA 1" Hex Bushing, Screwed Carbon Steel.....	16.17	7.89
23 21 13 23-1388 EA 1-1/2" Hex Bushing, Screwed Carbon Steel.....	20.08	7.89
23 21 13 23-1389 EA 2" Hex Bushing, Screwed Carbon Steel.....	30.86	10.29
23 21 13 23-1390 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1197)		
23 21 13 23-1391 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	51.16	21.43
23 21 13 23-1392 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	58.05	25.10
23 21 13 23-1393 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	68.37	28.06
23 21 13 23-1394 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	80.62	31.29
23 21 13 23-1395 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	131.97	40.04
23 21 13 23-1396 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	179.00	50.89
23 21 13 23-1397 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	85.44	25.10
23 21 13 23-1398 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	124.07	28.06
23 21 13 23-1399 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	173.83	31.29
23 21 13 23-1400 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	388.38	40.04
23 21 13 23-1401 Screwed Carbon Steel Laterals (23 21 13 23-1197)		
23 21 13 23-1402 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	235.69	31.29
23 21 13 23-1403 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	283.95	36.23
23 21 13 23-1404 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	347.97	42.72
23 21 13 23-1405 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	445.40	60.63
23 21 13 23-1406 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	555.86	75.29
23 21 13 23-1407 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	299.69	31.29
23 21 13 23-1408 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	379.12	36.23
23 21 13 23-1409 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	449.73	42.72
23 21 13 23-1410 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	632.49	60.63
23 21 13 23-1411 Grooved-Joint Pipe (23 21 13 23)		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1412 Schedule 10 Black Grooved Pipe (23 21 13 23-1411)		
23 21 13 23-1413 LF 2" Black Schedule 10 Grooved Pipe.....	43.23	17.91
23 21 13 23-1414 LF 2-1/2" Black Schedule 10 Grooved Pipe.....	58.14	24.53
23 21 13 23-1415 LF 3" Black Schedule 10 Grooved Pipe.....	65.43	27.21
23 21 13 23-1416 LF 3-1/2" Black Schedule 10 Grooved Pipe.....	73.88	28.20
23 21 13 23-1417 LF 4" Black Schedule 10 Grooved Pipe.....	78.19	30.59
23 21 13 23-1418 LF 5" Black Schedule 10 Grooved Pipe.....	112.99	37.50
23 21 13 23-1419 LF 6" Black Schedule 10 Grooved Pipe.....	143.44	53.30
23 21 13 23-1420 LF 8" Black Schedule 10 Grooved Pipe.....	201.88	59.77
23 21 13 23-1421 LF 10" Black Schedule 10 Grooved Pipe.....	254.38	72.04
23 21 13 23-1422 LF 12" Black Schedule 10 Grooved Pipe.....	294.12	81.63
23 21 13 23-1423 Schedule 40 Black Grooved Pipe (23 21 13 23-1411)		
23 21 13 23-1424 LF 3/4" Black Schedule 40 Grooved Pipe.....	25.88	10.86
23 21 13 23-1425 LF 1" Black Schedule 40 Grooved Pipe.....	29.24	12.27
23 21 13 23-1426 LF 1-1/4" Black Schedule 40 Grooved Pipe.....	33.53	13.25
23 21 13 23-1427 LF 1-1/2" Black Schedule 40 Grooved Pipe.....	38.16	15.08
23 21 13 23-1428 LF 2" Black Schedule 40 Grooved Pipe.....	48.01	19.18
23 21 13 23-1429 LF 2-1/2" Black Schedule 40 Grooved Pipe.....	67.06	26.23
23 21 13 23-1430 LF 3" Black Schedule 40 Grooved Pipe.....	79.62	29.89
23 21 13 23-1431 LF 4" Black Schedule 40 Grooved Pipe.....	99.26	33.27
23 21 13 23-1432 LF 5" Black Schedule 40 Grooved Pipe.....	139.08	40.46
23 21 13 23-1433 LF 6" Black Schedule 40 Grooved Pipe.....	185.34	58.36
23 21 13 23-1434 LF 8" Black Schedule 40 Grooved Pipe.....	251.14	66.12
23 21 13 23-1435 LF 10" Black Schedule 40 Grooved Pipe.....	351.72	78.95
23 21 13 23-1436 LF 12" Black Schedule 40 Grooved Pipe.....	415.37	90.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1437 LF 14" Black Schedule 40 Grooved Pipe	547.06	122.51
23 21 13 23-1438 LF 16" Black Schedule 40 Grooved Pipe	633.72	144.08
23 21 13 23-1439 LF 18" Black Schedule 40 Grooved Pipe	788.49	174.96
23 21 13 23-1440 LF 20" Black Schedule 40 Grooved Pipe	908.16	204.00
23 21 13 23-1441 LF 24" Black Schedule 40 Grooved Pipe	1,197.21	244.89
23 21 13 23-1442 Schedule 80 Black Grooved Pipe (23 21 13 23-1411)		
23 21 13 23-1443 LF 3/4" Black Schedule 80 Grooved Pipe	28.37	11.85
23 21 13 23-1444 LF 1" Black Schedule 80 Grooved Pipe	31.74	12.55
23 21 13 23-1445 LF 1-1/4" Black Schedule 80 Grooved Pipe	37.64	13.96
23 21 13 23-1446 LF 1-1/2" Black Schedule 80 Grooved Pipe	42.95	15.65
23 21 13 23-1447 LF 2" Black Schedule 80 Grooved Pipe	55.59	20.16
23 21 13 23-1448 LF 2-1/2" Black Schedule 80 Grooved Pipe	78.63	27.77
23 21 13 23-1449 LF 3" Black Schedule 80 Grooved Pipe	94.63	31.15
23 21 13 23-1450 LF 4" Black Schedule 80 Grooved Pipe	121.21	33.98
23 21 13 23-1451 LF 5" Black Schedule 80 Grooved Pipe	189.30	42.72
23 21 13 23-1452 LF 6" Black Schedule 80 Grooved Pipe	243.95	61.19
23 21 13 23-1453 LF 8" Black Schedule 80 Grooved Pipe	374.85	69.93
23 21 13 23-1454 LF 10" Black Schedule 80 Grooved Pipe	467.73	84.45
23 21 13 23-1455 LF 12" Black Schedule 80 Grooved Pipe	486.75	102.07
23 21 13 23-1456 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1411)		
23 21 13 23-1457 LF 3/4" Galvanized Schedule 40 Grooved Pipe	23.36	10.86
23 21 13 23-1458 LF 1" Galvanized Schedule 40 Grooved Pipe	27.02	12.27
23 21 13 23-1459 LF 1-1/4" Galvanized Schedule 40 Grooved Pipe	30.07	13.25
23 21 13 23-1460 LF 1-1/2" Galvanized Schedule 40 Grooved Pipe	34.23	15.08
23 21 13 23-1461 LF 2" Galvanized Schedule 40 Grooved Pipe	43.31	19.18
23 21 13 23-1462 LF 2-1/2" Galvanized Schedule 40 Grooved Pipe	60.56	26.23
23 21 13 23-1463 LF 3" Galvanized Schedule 40 Grooved Pipe	71.70	29.89
23 21 13 23-1464 LF 4" Galvanized Schedule 40 Grooved Pipe	87.96	33.27
23 21 13 23-1465 LF 5" Galvanized Schedule 40 Grooved Pipe	122.65	40.46
23 21 13 23-1466 LF 6" Galvanized Schedule 40 Grooved Pipe	165.94	58.36
23 21 13 23-1467 LF 8" Galvanized Schedule 40 Grooved Pipe	218.73	66.12
23 21 13 23-1468 LF 10" Galvanized Schedule 40 Grooved Pipe	306.21	78.95
23 21 13 23-1469 LF 12" Galvanized Schedule 40 Grooved Pipe	361.31	90.65
23 21 13 23-1470 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1411)		
23 21 13 23-1471 LF 3/4" Galvanized Schedule 80 Grooved Pipe	25.12	11.85
23 21 13 23-1472 LF 1" Galvanized Schedule 80 Grooved Pipe	32.32	12.55
23 21 13 23-1473 LF 1-1/4" Galvanized Schedule 80 Grooved Pipe	32.87	13.96
23 21 13 23-1474 LF 1-1/2" Galvanized Schedule 80 Grooved Pipe	42.74	16.63
23 21 13 23-1475 LF 2" Galvanized Schedule 80 Grooved Pipe	48.54	20.16
23 21 13 23-1476 LF 2-1/2" Galvanized Schedule 80 Grooved Pipe	68.58	27.77
23 21 13 23-1477 LF 3" Galvanized Schedule 80 Grooved Pipe	82.17	31.15
23 21 13 23-1478 LF 4" Galvanized Schedule 80 Grooved Pipe	102.65	33.98
23 21 13 23-1479 LF 5" Galvanized Schedule 80 Grooved Pipe	153.30	42.72
23 21 13 23-1480 LF 6" Galvanized Schedule 80 Grooved Pipe	199.58	61.19
23 21 13 23-1481 LF 8" Galvanized Schedule 80 Grooved Pipe	295.19	69.93
23 21 13 23-1482 LF 10" Galvanized Schedule 80 Grooved Pipe	351.50	84.45
23 21 13 23-1483 LF 12" Galvanized Schedule 80 Grooved Pipe	387.20	102.07
23 21 13 23-1484 Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
Note: Couplings are not included with fittings.		
23 21 13 23-1485 Grooved Elbows (23 21 13 23-1484)		
23 21 13 23-1486 90 Degree Grooved Elbows (23 21 13 23-1485)		
Note: Victaulic No. 10		
23 21 13 23-1487 EA 3/4", Ductile Iron, Grooved 90 Degree Elbow	97.37	15.37
For Galvanized Fittings, Add	24.53	
23 21 13 23-1488 EA 1", Ductile Iron, Grooved 90 Degree Elbow	97.37	15.37
For Galvanized Fittings, Add	24.53	
23 21 13 23-1489 EA 1-1/4", Ductile Iron, Grooved 90 Degree Elbow	103.13	19.18
For Galvanized Fittings, Add	24.53	
23 21 13 23-1490 EA 1-1/2", Ductile Iron, Grooved 90 Degree Elbow	109.23	23.26
For Galvanized Fittings, Add	24.53	
23 21 13 23-1491 EA 2", Ductile Iron, Grooved 90 Degree Elbow	120.41	30.73
For Galvanized Fittings, Add	24.53	
23 21 13 23-1492 EA 2-1/2", Ductile Iron, Grooved 90 Degree Elbow	130.45	37.50
For Galvanized Fittings, Add	24.53	
23 21 13 23-1493 EA 3", Ductile Iron, Grooved 90 Degree Elbow	200.07	45.39
For Galvanized Fittings, Add	43.57	
23 21 13 23-1494 EA 4", Ductile Iron, Grooved 90 Degree Elbow	233.62	59.91
For Galvanized Fittings, Add	47.46	
23 21 13 23-1495 EA 5", Ductile Iron, Grooved 90 Degree Elbow	462.32	74.87
For Galvanized Fittings, Add	115.53	
23 21 13 23-1496 EA 6", Ductile Iron, Grooved 90 Degree Elbow	553.70	97.98
For Galvanized Fittings, Add	134.26	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1497 EA 8", Ductile Iron, Grooved 90 Degree Elbow	1,031.11	116.59
For Galvanized Fittings, Add	282.57	
23 21 13 23-1498 EA 10", Ductile Iron, Grooved 90 Degree Elbow	1,538.06	136.04
For Galvanized Fittings, Add	440.25	
23 21 13 23-1499 EA 12", Ductile Iron, Grooved 90 Degree Elbow	2,383.10	163.26
For Galvanized Fittings, Add	705.65	
23 21 13 23-1500 EA 14", Steel, Grooved 90 Degree Elbow	4,723.31	184.26
For Galvanized Fittings, Add	1,467.51	
23 21 13 23-1501 EA 16", Steel, Grooved 90 Degree Elbow	6,124.86	204.00
For Galvanized Fittings, Add	1,920.25	
23 21 13 23-1502 EA 18", Steel, Grooved 90 Degree Elbow	7,714.22	222.89
For Galvanized Fittings, Add	2,435.44	
23 21 13 23-1503 EA 20", Steel, Grooved 90 Degree Elbow	10,045.81	231.77
For Galvanized Fittings, Add	3,200.41	
23 21 13 23-1504 EA 24", Steel, Grooved 90 Degree Elbow	14,366.77	274.07
For Galvanized Fittings, Add	4,605.47	
23 21 13 23-1505 45 Degree Grooved Elbows (23 21 13 23-1485)		
Note: Victaulic No. 11		
23 21 13 23-1506 EA 3/4", Ductile Iron, Grooved 45 Degree Elbow	97.32	15.37
For Galvanized Fittings, Add	17.83	
23 21 13 23-1507 EA 1", Ductile Iron, Grooved 45 Degree Elbow	97.32	15.37
For Galvanized Fittings, Add	17.83	
23 21 13 23-1508 EA 1-1/4", Ductile Iron, Grooved 45 Degree Elbow	103.08	19.18
For Galvanized Fittings, Add	17.83	
23 21 13 23-1509 EA 1-1/2", Ductile Iron, Grooved 45 Degree Elbow	109.18	23.26
For Galvanized Fittings, Add	17.83	
23 21 13 23-1510 EA 2", Ductile Iron, Grooved 45 Degree Elbow	120.36	30.73
For Galvanized Fittings, Add	17.83	
23 21 13 23-1511 EA 2-1/2", Ductile Iron, Grooved 45 Degree Elbow	130.40	37.50
For Galvanized Fittings, Add	17.83	
23 21 13 23-1512 EA 3", Ductile Iron, Grooved 45 Degree Elbow	200.02	45.39
For Galvanized Fittings, Add	31.68	
23 21 13 23-1513 EA 4", Ductile Iron, Grooved 45 Degree Elbow	233.62	59.91
For Galvanized Fittings, Add	34.52	
23 21 13 23-1514 EA 5", Ductile Iron, Grooved 45 Degree Elbow	462.32	74.87
For Galvanized Fittings, Add	84.02	
23 21 13 23-1515 EA 6", Ductile Iron, Grooved 45 Degree Elbow	553.70	97.98
For Galvanized Fittings, Add	97.64	
23 21 13 23-1516 EA 8", Ductile Iron, Grooved 45 Degree Elbow	1,031.11	116.59
For Galvanized Fittings, Add	205.51	
23 21 13 23-1517 EA 10", Ductile Iron, Grooved 45 Degree Elbow	1,538.06	136.04
For Galvanized Fittings, Add	320.18	
23 21 13 23-1518 EA 12", Ductile Iron, Grooved 45 Degree Elbow	2,383.10	163.26
For Galvanized Fittings, Add	513.20	
23 21 13 23-1519 EA 14", Steel, Grooved 45 Degree Elbow	4,723.31	184.26
For Galvanized Fittings, Add	1,067.28	
23 21 13 23-1520 EA 16", Steel, Grooved 45 Degree Elbow	6,124.86	204.00
For Galvanized Fittings, Add	1,396.54	
23 21 13 23-1521 EA 18", Steel, Grooved 45 Degree Elbow	7,714.22	222.89
For Galvanized Fittings, Add	1,771.23	
23 21 13 23-1522 EA 20", Steel, Grooved 45 Degree Elbow	10,046.42	232.20
For Galvanized Fittings, Add	2,327.57	
23 21 13 23-1523 EA 24", Steel, Grooved 45 Degree Elbow	14,366.77	274.07
For Galvanized Fittings, Add	3,349.44	
23 21 13 23-1524 22-1/2 Degree Grooved Elbows (23 21 13 23-1485)		
Note: Victaulic No. 12		
23 21 13 23-1525 EA 1", Ductile Iron, Grooved 22-1/2 Degree Elbow	102.21	15.37
For Galvanized Fittings, Add	19.00	
23 21 13 23-1526 EA 1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	107.97	19.18
For Galvanized Fittings, Add	19.00	
23 21 13 23-1527 EA 1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	114.07	23.26
For Galvanized Fittings, Add	19.00	
23 21 13 23-1528 EA 2", Ductile Iron, Grooved 22-1/2 Degree Elbow	125.25	30.73
For Galvanized Fittings, Add	19.00	
23 21 13 23-1529 EA 2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	135.29	37.50
For Galvanized Fittings, Add	19.00	
23 21 13 23-1530 EA 3", Ductile Iron, Grooved 22-1/2 Degree Elbow	183.82	45.39
For Galvanized Fittings, Add	27.79	
23 21 13 23-1531 EA 4", Ductile Iron, Grooved 22-1/2 Degree Elbow	245.06	59.91
For Galvanized Fittings, Add	37.26	
23 21 13 23-1532 EA 5", Ductile Iron, Grooved 22-1/2 Degree Elbow	593.71	74.87
For Galvanized Fittings, Add	115.55	
23 21 13 23-1533 EA 6", Ductile Iron, Grooved 22-1/2 Degree Elbow	586.69	97.98
For Galvanized Fittings, Add	105.56	
23 21 13 23-1534 EA 8", Ductile Iron, Grooved 22-1/2 Degree Elbow	1,095.12	116.59
For Galvanized Fittings, Add	220.87	
23 21 13 23-1535 EA 10", Steel, Grooved 22-1/2 Degree Elbow	1,467.42	136.04
For Galvanized Fittings, Add	303.23	
23 21 13 23-1536 EA 12", Steel, Grooved 22-1/2 Degree Elbow	1,952.84	163.26
For Galvanized Fittings, Add	409.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1537 EA 14", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,249.19 473.49	184.26
23 21 13 23-1538 EA 16", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,672.12 567.89	204.00
23 21 13 23-1539 EA 18", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,199.75 687.75	222.89
23 21 13 23-1540 EA 20", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,735.54 813.11	231.77
23 21 13 23-1541 EA 24", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,963.46 1,092.64	274.07
23 21 13 23-1542 11-1/4 Degree Grooved Elbows <small>(23 21 13 23-1485)</small> Note: Victaulic No. 13		
23 21 13 23-1543 EA 1", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	102.21 19.00	15.37
23 21 13 23-1544 EA 1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	107.97 19.00	19.18
23 21 13 23-1545 EA 1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	114.07 19.00	23.26
23 21 13 23-1546 EA 2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	125.25 19.00	30.73
23 21 13 23-1547 EA 2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	135.29 19.00	37.50
23 21 13 23-1548 EA 3", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	183.81 27.79	45.39
23 21 13 23-1549 EA 4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	245.05 37.26	59.91
23 21 13 23-1550 EA 5", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	593.69 115.55	74.87
23 21 13 23-1551 EA 6", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	586.67 105.56	97.98
23 21 13 23-1552 EA 8", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,095.07 220.86	116.59
23 21 13 23-1553 EA 10", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,467.34 303.21	136.04
23 21 13 23-1554 EA 12", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,952.75 409.92	163.26
23 21 13 23-1555 EA 14", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,249.10 473.46	184.26
23 21 13 23-1556 EA 16", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,672.04 567.85	204.14
23 21 13 23-1557 EA 18", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,199.56 687.72	222.89
23 21 13 23-1558 EA 20", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,735.35 813.06	231.77
23 21 13 23-1559 EA 24", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,963.21 1,092.58	274.07
23 21 13 23-1560 90 Degree Grooved Long Radius Elbows <small>(23 21 13 23-1485)</small> Note: Victaulic No. 100		
23 21 13 23-1561 EA 2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	216.01 40.78	30.73
23 21 13 23-1562 EA 2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	549.18 118.33	37.50
23 21 13 23-1563 EA 3", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	237.96 40.78	45.39
23 21 13 23-1564 EA 4", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	344.35 61.09	59.91
23 21 13 23-1565 EA 5", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,416.95 313.13	74.87
23 21 13 23-1566 EA 6", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	891.51 178.72	97.98
23 21 13 23-1567 EA 8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,961.01 428.68	116.59
23 21 13 23-1568 EA 10", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	3,907.46 888.84	136.04
23 21 13 23-1569 EA 12", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	4,661.18 1,059.94	163.26
23 21 13 23-1570 Grooved Tees, Wyes And Crosses <small>(23 21 13 23-1484)</small>		
23 21 13 23-1571 Grooved Tees <small>(23 21 13 23-1570)</small> Note: Victaulic No. 20		
23 21 13 23-1572 EA 3/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	143.89 34.07	20.16
23 21 13 23-1573 EA 1", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	148.48 34.07	23.26
23 21 13 23-1574 EA 1-1/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	156.24 34.07	28.48
23 21 13 23-1575 EA 1-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	165.93 34.07	34.96

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1576	EA	2", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	181.34 34.07	45.25
23 21 13 23-1577	EA	2-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	196.72 34.07	55.41
23 21 13 23-1578	EA	3", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	261.15 47.73	68.10
23 21 13 23-1579	EA	4", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	376.10 73.22	88.11
23 21 13 23-1580	EA	5", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	745.27 171.77	115.18
23 21 13 23-1581	EA	6", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	877.73 198.53	144.08
23 21 13 23-1582	EA	8", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	1,707.78 433.66	174.96
23 21 13 23-1583	EA	10", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	2,887.27 774.40	204.00
23 21 13 23-1584	EA	12", Ductile Iron, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	3,980.99 1,084.16	244.89
23 21 13 23-1585	EA	14", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,350.31 1,182.71	272.09
23 21 13 23-1586	EA	16", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	5,432.09 1,506.55	273.65
23 21 13 23-1587	EA	18", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	6,741.53 1,886.71	301.84
23 21 13 23-1588	EA	20", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	9,470.79 2,703.35	306.63
23 21 13 23-1589	EA	24", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	14,410.08 4,153.58	376.70
23 21 13 23-1590		Grooved Wyes (90 Degree True Wye) (23 21 13 23-1570) Note: Victaulic No. 33		
23 21 13 23-1591	EA	1", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	514.12 76.68	23.26
23 21 13 23-1592	EA	1-1/4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	521.88 76.68	28.48
23 21 13 23-1593	EA	1-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	531.57 76.68	34.96
23 21 13 23-1594	EA	2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	546.98 76.68	45.25
23 21 13 23-1595	EA	2-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	562.36 76.68	55.41
23 21 13 23-1596	EA	3", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	674.88 91.65	68.10
23 21 13 23-1597	EA	4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	882.35 120.05	88.11
23 21 13 23-1598	EA	5", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,248.15 172.07	115.18
23 21 13 23-1599	EA	6", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,546.62 212.90	144.08
23 21 13 23-1600	EA	8", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	2,178.74 306.64	174.96
23 21 13 23-1601	EA	10", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	3,613.79 529.25	204.00
23 21 13 23-1602	EA	12", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	4,021.53 584.70	244.89
23 21 13 23-1603	EA	14", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	4,580.84 667.67	272.09
23 21 13 23-1604	EA	16", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	5,829.91 867.21	273.37
23 21 13 23-1605	EA	18", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	6,652.94 991.99	302.13
23 21 13 23-1606	EA	20", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	9,450.92 1,438.72	306.07
23 21 13 23-1607	EA	24", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	14,544.87 2,236.81	376.70
23 21 13 23-1608		Grooved Crosses (23 21 13 23-1570) Note: Victaulic No. 35		
23 21 13 23-1609	EA	3/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	355.72 46.54	30.31
23 21 13 23-1610	EA	1", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	362.61 46.54	34.96
23 21 13 23-1611	EA	1-1/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	438.44 56.17	42.72
23 21 13 23-1612	EA	1-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	482.04 60.53	52.44
23 21 13 23-1613	EA	2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	329.66 34.20	67.82
23 21 13 23-1614	EA	2-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	352.75 34.20	83.18
23 21 13 23-1615	EA	3", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	562.82 61.46	102.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1616 EA 4", Steel, Grooved Cross	880.18	132.10
For Galvanized Fittings, Add	102.31	
23 21 13 23-1617 EA 5", Steel, Grooved Cross	1,652.50	172.70
For Galvanized Fittings, Add	209.02	
23 21 13 23-1618 EA 6", Steel, Grooved Cross	2,116.79	216.13
For Galvanized Fittings, Add	268.93	
23 21 13 23-1619 EA 8", Steel, Grooved Cross	2,754.53	262.36
For Galvanized Fittings, Add	354.18	
23 21 13 23-1620 EA 10", Steel, Grooved Cross	4,486.03	306.07
For Galvanized Fittings, Add	604.07	
23 21 13 23-1621 EA 12", Steel, Grooved Cross	6,362.14	367.40
For Galvanized Fittings, Add	871.72	
23 21 13 23-1622 EA 14", Steel, Grooved Cross	6,632.84	408.14
For Galvanized Fittings, Add	903.14	
23 21 13 23-1623 EA 16", Steel, Grooved Cross	8,491.79	410.54
For Galvanized Fittings, Add	1,181.46	
23 21 13 23-1624 EA 18", Steel, Grooved Cross	10,333.27	452.69
For Galvanized Fittings, Add	1,448.19	
23 21 13 23-1625 EA 20", Steel, Grooved Cross	14,367.12	459.74
For Galvanized Fittings, Add	2,051.67	
23 21 13 23-1626 EA 24", Steel, Grooved Cross	21,962.74	565.05
For Galvanized Fittings, Add	3,167.33	
23 21 13 23-1627 Grooved Reducing Tees (23 21 13 23-1570)		
Note: Victaulic No. 25		
23 21 13 23-1628 EA 1", Steel, Grooved Reducing Tee	254.05	23.26
For Galvanized Fittings, Add	43.83	
23 21 13 23-1629 EA 1-1/4", Steel, Grooved Reducing Tee	268.69	28.48
For Galvanized Fittings, Add	45.21	
23 21 13 23-1630 EA 1-1/2", Steel, Grooved Reducing Tee	284.01	34.96
For Galvanized Fittings, Add	46.33	
23 21 13 23-1631 EA 2", Steel, Grooved Reducing Tee	338.97	45.25
For Galvanized Fittings, Add	54.24	
23 21 13 23-1632 EA 2-1/2", Steel, Grooved Reducing Tee	382.26	55.41
For Galvanized Fittings, Add	59.82	
23 21 13 23-1633 EA 3", Steel, Grooved Reducing Tee	429.46	68.10
For Galvanized Fittings, Add	65.48	
23 21 13 23-1634 EA 4", Steel, Grooved Reducing Tee	573.60	88.11
For Galvanized Fittings, Add	88.31	
23 21 13 23-1635 EA 5", Steel, Grooved Reducing Tee	755.72	115.18
For Galvanized Fittings, Add	116.61	
23 21 13 23-1636 EA 6", Steel, Grooved Reducing Tee	1,036.15	144.08
For Galvanized Fittings, Add	164.04	
23 21 13 23-1637 EA 8", Steel, Grooved Reducing Tee	1,615.54	174.96
For Galvanized Fittings, Add	270.66	
23 21 13 23-1638 EA 10", Steel, Grooved Reducing Tee	2,300.99	204.00
For Galvanized Fittings, Add	399.01	
23 21 13 23-1639 EA 12", Steel, Grooved Reducing Tee	3,310.16	244.89
For Galvanized Fittings, Add	588.60	
23 21 13 23-1640 EA 14", Steel, Grooved Reducing Tee	3,750.56	272.09
For Galvanized Fittings, Add	668.53	
23 21 13 23-1641 EA 16", Steel, Grooved Reducing Tee	4,752.30	273.65
For Galvanized Fittings, Add	868.40	
23 21 13 23-1642 EA 18", Steel, Grooved Reducing Tee	5,768.14	301.84
For Galvanized Fittings, Add	1,063.14	
23 21 13 23-1643 EA 20", Steel, Grooved Reducing Tee	8,061.93	306.49
For Galvanized Fittings, Add	1,520.48	
23 21 13 23-1644 EA 24", Steel, Grooved Reducing Tee	12,810.73	376.70
For Galvanized Fittings, Add	2,449.18	
23 21 13 23-1645 Grooved 45 Degree Lateral Wyes (23 21 13 23-1570)		
Note: Victaulic No. 30		
23 21 13 23-1646 EA 3/4", Steel, Grooved, 45 Degree Lateral Wye	484.13	20.16
For Galvanized Fittings, Add	81.69	
23 21 13 23-1647 EA 1", Steel, Grooved, 45 Degree Lateral Wye	488.72	23.26
For Galvanized Fittings, Add	81.69	
23 21 13 23-1648 EA 1-1/4", Steel, Grooved, 45 Degree Lateral Wye	496.48	28.48
For Galvanized Fittings, Add	81.69	
23 21 13 23-1649 EA 1-1/2", Steel, Grooved, 45 Degree Lateral Wye	506.17	34.96
For Galvanized Fittings, Add	81.69	
23 21 13 23-1650 EA 2", Steel, Grooved, 45 Degree Lateral Wye	521.58	45.25
For Galvanized Fittings, Add	81.69	
23 21 13 23-1651 EA 2-1/2", Steel, Grooved, 45 Degree Lateral Wye	536.96	55.41
For Galvanized Fittings, Add	81.69	
23 21 13 23-1652 EA 3", Steel, Grooved, 45 Degree Lateral Wye	494.11	68.10
For Galvanized Fittings, Add	70.57	
23 21 13 23-1653 EA 3-1/2", Steel, Grooved, 45 Degree Lateral Wye	781.88	78.53
For Galvanized Fittings, Add	119.56	
23 21 13 23-1654 EA 4", Steel, Grooved, 45 Degree Lateral Wye	905.26	88.11
For Galvanized Fittings, Add	139.18	
23 21 13 23-1655 EA 5", Steel, Grooved, 45 Degree Lateral Wye	1,302.70	115.18
For Galvanized Fittings, Add	203.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1656 EA 6", Steel, Grooved, 45 Degree Lateral Wye.....	2,036.61	144.08
For Galvanized Fittings, Add	327.72	
23 21 13 23-1657 EA 8", Steel, Grooved, 45 Degree Lateral Wye.....	2,884.63	174.96
For Galvanized Fittings, Add	472.03	
23 21 13 23-1658 EA 10", Steel, Grooved, 45 Degree Lateral Wye.....	4,007.40	204.00
For Galvanized Fittings, Add	666.26	
23 21 13 23-1659 EA 12", Steel, Grooved, 45 Degree Lateral Wye.....	4,842.36	244.89
For Galvanized Fittings, Add	805.54	
23 21 13 23-1660 EA 14", Steel, Grooved, 45 Degree Lateral Wye.....	6,939.80	272.09
For Galvanized Fittings, Add	1,175.74	
23 21 13 23-1661 EA 16", Steel, Grooved, 45 Degree Lateral Wye.....	8,570.36	273.65
For Galvanized Fittings, Add	1,468.81	
23 21 13 23-1662 EA 18", Steel, Grooved, 45 Degree Lateral Wye.....	9,574.41	301.84
For Galvanized Fittings, Add	1,641.95	
23 21 13 23-1663 EA 20", Steel, Grooved, 45 Degree Lateral Wye.....	14,296.02	306.49
For Galvanized Fittings, Add	2,490.57	
23 21 13 23-1664 EA 24", Steel, Grooved, 45 Degree Lateral Wye.....	22,065.71	376.70
For Galvanized Fittings, Add	3,870.16	
23 21 13 23-1665 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1570)		
Note: Victaulic No. 30R		
23 21 13 23-1666 EA 3", Steel, Grooved 45 Degree Lateral Reducing Wye.....	494.11	68.10
For Galvanized Fittings, Add	50.97	
23 21 13 23-1667 EA 4", Steel, Grooved 45 Degree Lateral Reducing Wye.....	905.26	88.11
For Galvanized Fittings, Add	100.52	
23 21 13 23-1668 EA 5", Steel, Grooved 45 Degree Lateral Reducing Wye.....	1,302.70	115.18
For Galvanized Fittings, Add	146.90	
23 21 13 23-1669 EA 6", Steel, Grooved 45 Degree Lateral Reducing Wye.....	1,675.94	144.08
For Galvanized Fittings, Add	189.80	
23 21 13 23-1670 EA 8", Steel, Grooved 45 Degree Lateral Reducing Wye.....	2,369.85	174.96
For Galvanized Fittings, Add	273.99	
23 21 13 23-1671 EA 10", Steel, Grooved 45 Degree Lateral Reducing Wye.....	2,887.17	204.00
For Galvanized Fittings, Add	335.56	
23 21 13 23-1672 EA 12", Steel, Grooved 45 Degree Lateral Reducing Wye.....	3,503.96	244.89
For Galvanized Fittings, Add	407.79	
23 21 13 23-1673 EA 14", Steel, Grooved 45 Degree Lateral Reducing Wye.....	3,921.96	272.09
For Galvanized Fittings, Add	456.82	
23 21 13 23-1674 EA 16", Steel, Grooved 45 Degree Lateral Reducing Wye.....	4,952.49	273.65
For Galvanized Fittings, Add	590.48	
23 21 13 23-1675 EA 18", Steel, Grooved 45 Degree Lateral Reducing Wye.....	7,426.99	301.84
For Galvanized Fittings, Add	906.69	
23 21 13 23-1676 EA 20", Steel, Grooved 45 Degree Lateral Reducing Wye.....	10,668.43	306.49
For Galvanized Fittings, Add	1,327.16	
23 21 13 23-1677 EA 24", Steel, Grooved 45 Degree Lateral Reducing Wye.....	17,093.44	376.70
For Galvanized Fittings, Add	2,148.72	
23 21 13 23-1678 Mechanical-T Outlet (23 21 13 23-1570)		
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1679 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	176.97	50.75
For Galvanized Fittings, Add	18.72	
23 21 13 23-1680 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	176.97	50.75
For Galvanized Fittings, Add	18.72	
23 21 13 23-1681 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	188.75	50.75
For Galvanized Fittings, Add	21.64	
23 21 13 23-1682 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	188.75	50.75
23 21 13 23-1683 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	189.66	57.10
23 21 13 23-1684 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	189.66	57.10
23 21 13 23-1685 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	220.77	57.10
23 21 13 23-1686 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	213.79	63.44
23 21 13 23-1687 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	213.79	63.44
23 21 13 23-1688 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	238.83	63.44
23 21 13 23-1689 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	238.83	63.44
23 21 13 23-1690 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	255.98	63.44
23 21 13 23-1691 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	279.99	84.59
23 21 13 23-1692 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	279.99	84.59
23 21 13 23-1693 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	299.54	84.59
23 21 13 23-1694 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	305.03	84.59
23 21 13 23-1695 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	305.03	84.59
23 21 13 23-1696 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	310.52	84.59
23 21 13 23-1697 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	321.04	84.59
23 21 13 23-1698 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	399.46	116.30
23 21 13 23-1699 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	399.46	116.30
23 21 13 23-1700 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	408.95	116.30
23 21 13 23-1701 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	420.84	116.30
23 21 13 23-1702 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	466.79	148.03
23 21 13 23-1703 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	466.79	148.03
23 21 13 23-1704 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	480.74	148.03
23 21 13 23-1705 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	492.52	148.03
23 21 13 23-1706 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	513.44	148.03
23 21 13 23-1707 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	694.04	195.97
23 21 13 23-1708 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	694.04	195.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1709 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	710.85	195.97
23 21 13 23-1710 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	720.80	195.97
23 21 13 23-1711 Installation-Ready™ Grooved Fittings (23 21 13 23-1484)		
23 21 13 23-1712 Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1711)		
Note: Victaulic No. 101		
23 21 13 23-1713 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	266.94	13.96
For Galvanized Fittings, Add	81.11	
For Galvanized Fittings, Add	62.92	
23 21 13 23-1714 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	278.40	16.75
For Galvanized Fittings, Add	83.50	
For Galvanized Fittings, Add	64.77	
23 21 13 23-1715 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	288.67	22.33
For Galvanized Fittings, Add	84.09	
For Galvanized Fittings, Add	65.24	
23 21 13 23-1716 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	349.53	27.91
For Galvanized Fittings, Add	101.39	
For Galvanized Fittings, Add	78.65	
23 21 13 23-1717 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1711)		
Note: Victaulic No. 103		
23 21 13 23-1718 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	266.94	13.96
For Galvanized Fittings, Add	58.99	
For Galvanized Fittings, Add	62.92	
23 21 13 23-1719 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	278.40	16.75
For Galvanized Fittings, Add	60.72	
For Galvanized Fittings, Add	64.77	
23 21 13 23-1720 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	288.67	22.33
For Galvanized Fittings, Add	61.16	
For Galvanized Fittings, Add	65.24	
23 21 13 23-1721 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	349.53	27.91
For Galvanized Fittings, Add	73.74	
For Galvanized Fittings, Add	78.65	
23 21 13 23-1722 Installation-Ready™ Grooved Tees (23 21 13 23-1711)		
Note: Victaulic No. 102		
23 21 13 23-1723 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee.....	407.73	18.61
For Galvanized Fittings, Add	113.86	
For Galvanized Fittings, Add	97.16	
23 21 13 23-1724 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	426.02	22.33
For Galvanized Fittings, Add	117.65	
For Galvanized Fittings, Add	100.40	
23 21 13 23-1725 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	442.71	29.78
For Galvanized Fittings, Add	119.28	
For Galvanized Fittings, Add	101.79	
23 21 13 23-1726 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	515.44	37.22
For Galvanized Fittings, Add	137.72	
For Galvanized Fittings, Add	117.52	
23 21 13 23-1727 Grooved Fittings (23 21 13 23-1484)		
23 21 13 23-1728 Flanged Adapter Nipple, Grooved (23 21 13 23-1727)		
Note: Victaulic No. 41 and 45		
23 21 13 23-1729 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	344.76	16.91
For Galvanized Fittings, Add	57.49	
For 300 LB Rating, Add	47.91	
23 21 13 23-1730 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	347.58	18.75
For Galvanized Fittings, Add	57.49	
For 300 LB Rating, Add	47.91	
23 21 13 23-1731 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	354.63	23.54
For Galvanized Fittings, Add	57.49	
For 300 LB Rating, Add	47.91	
23 21 13 23-1732 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	369.46	33.42
For Galvanized Fittings, Add	57.49	
For 300 LB Rating, Add	47.91	
23 21 13 23-1733 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	380.06	40.46
For Galvanized Fittings, Add	57.49	
For 300 LB Rating, Add	47.91	
23 21 13 23-1734 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	481.09	48.36
For Galvanized Fittings, Add	73.56	
For 300 LB Rating, Add	61.30	
23 21 13 23-1735 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	584.98	65.13
For Galvanized Fittings, Add	87.73	
For 300 LB Rating, Add	73.11	
23 21 13 23-1736 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	814.59	78.81
For Galvanized Fittings, Add	125.36	
For 300 LB Rating, Add	104.46	
23 21 13 23-1737 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	954.21	106.44
For Galvanized Fittings, Add	143.03	
For 300 LB Rating, Add	119.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1738 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,312.77	144.08
For Galvanized Fittings, Add	197.42	
For 300 LB Rating, Add	164.52	
23 21 13 23-1739 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,052.06	174.96
For Galvanized Fittings, Add	322.17	
For 300 LB Rating, Add	268.47	
23 21 13 23-1740 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,753.18	204.00
For Galvanized Fittings, Add	440.50	
For 300 LB Rating, Add	367.08	
23 21 13 23-1741 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	3,253.09	244.89
For Galvanized Fittings, Add	519.47	
For 300 LB Rating, Add	432.89	
23 21 13 23-1742 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,852.35	272.09
For Galvanized Fittings, Add	800.00	
For 300 LB Rating, Add	666.66	
23 21 13 23-1743 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	5,832.22	408.14
For Galvanized Fittings, Add	939.66	
For 300 LB Rating, Add	783.05	
23 21 13 23-1744 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	6,175.56	489.77
For Galvanized Fittings, Add	979.43	
For 300 LB Rating, Add	816.19	
23 21 13 23-1745 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	10,202.75	544.19
For Galvanized Fittings, Add	1,689.64	
For 300 LB Rating, Add	1,408.03	
23 21 13 23-1746 Grooved Concentric Reducers (23 21 13 23-1727)		
Note: Victaulic No. 50		
23 21 13 23-1747 EA 1-1/4" x 3/4", Grooved Concentric Reducer.....	366.03	16.91
For Galvanized Fittings, Add	14.99	
23 21 13 23-1748 EA 1-1/4" x 1", Grooved Concentric Reducer.....	382.80	17.91
For Galvanized Fittings, Add	15.66	
23 21 13 23-1749 EA 1-1/2" x 3/4", Grooved Concentric Reducer.....	430.97	19.32
For Galvanized Fittings, Add	48.33	
23 21 13 23-1750 EA 1-1/2" x 1", Grooved Concentric Reducer.....	116.41	20.16
For Galvanized Fittings, Add	10.35	
23 21 13 23-1751 EA 1-1/2" x 1-1/4", Grooved Concentric Reducer.....	364.99	21.15
For Galvanized Fittings, Add	40.06	
23 21 13 23-1752 EA 2" x 3/4", Grooved Concentric Reducer.....	120.64	22.98
For Galvanized Fittings, Add	10.35	
23 21 13 23-1753 EA 2" x 1", Grooved Concentric Reducer.....	122.05	23.96
For Galvanized Fittings, Add	10.35	
23 21 13 23-1754 EA 2" x 1-1/4", Grooved Concentric Reducer.....	132.11	24.96
For Galvanized Fittings, Add	11.39	
23 21 13 23-1755 EA 2" x 1-1/2", Grooved Concentric Reducer.....	127.77	27.77
For Galvanized Fittings, Add	10.35	
23 21 13 23-1756 EA 2-1/2" x 3/4", Grooved Concentric Reducer.....	739.65	25.94
For Galvanized Fittings, Add	84.23	
23 21 13 23-1757 EA 2-1/2" x 1", Grooved Concentric Reducer.....	589.99	26.93
For Galvanized Fittings, Add	66.08	
23 21 13 23-1758 EA 2-1/2" x 1-1/4", Grooved Concentric Reducer.....	539.28	27.77
For Galvanized Fittings, Add	59.81	
23 21 13 23-1759 EA 2-1/2" x 1-1/2", Grooved Concentric Reducer.....	131.91	30.59
For Galvanized Fittings, Add	10.35	
23 21 13 23-1760 EA 2-1/2" x 2", Grooved Concentric Reducer.....	137.56	34.26
For Galvanized Fittings, Add	10.35	
23 21 13 23-1761 EA 3" x 3/4", Grooved Concentric Reducer.....	750.47	30.17
For Galvanized Fittings, Add	107.21	
23 21 13 23-1762 EA 3" x 1", Grooved Concentric Reducer.....	141.55	31.01
For Galvanized Fittings, Add	14.45	
23 21 13 23-1763 EA 3" x 1-1/4", Grooved Concentric Reducer.....	594.18	32.01
For Galvanized Fittings, Add	83.04	
23 21 13 23-1764 EA 3" x 1-1/2", Grooved Concentric Reducer.....	559.08	34.26
For Galvanized Fittings, Add	77.16	
23 21 13 23-1765 EA 3" x 2", Grooved Concentric Reducer.....	132.62	38.06
For Galvanized Fittings, Add	11.48	
23 21 13 23-1766 EA 3" x 2-1/2", Grooved Concentric Reducer.....	172.10	45.39
For Galvanized Fittings, Add	15.82	
23 21 13 23-1767 EA 3-1/2" x 3", Grooved Concentric Reducer.....	184.21	48.92
For Galvanized Fittings, Add	16.86	
23 21 13 23-1768 EA 4" x 1", Grooved Concentric Reducer.....	172.12	38.48
For Galvanized Fittings, Add	19.60	
23 21 13 23-1769 EA 4" x 1-1/4", Grooved Concentric Reducer.....	962.89	39.48
For Galvanized Fittings, Add	154.98	
23 21 13 23-1770 EA 4" x 1-1/2", Grooved Concentric Reducer.....	753.61	41.87
For Galvanized Fittings, Add	118.48	
23 21 13 23-1771 EA 4" x 2", Grooved Concentric Reducer.....	168.93	45.67
For Galvanized Fittings, Add	17.24	
23 21 13 23-1772 EA 4" x 2-1/2", Grooved Concentric Reducer.....	199.34	48.92
For Galvanized Fittings, Add	21.61	
23 21 13 23-1773 EA 4" x 3", Grooved Concentric Reducer.....	204.98	52.72
For Galvanized Fittings, Add	21.61	
23 21 13 23-1774 EA 4" x 3-1/2", Grooved Concentric Reducer.....	210.62	56.39
For Galvanized Fittings, Add	21.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1775 EA 5" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,351.40 218.10	53.15
23 21 13 23-1776 EA 5" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,071.30 169.22	56.39
23 21 13 23-1777 EA 5" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	237.75 25.30	60.19
23 21 13 23-1778 EA 5" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	277.69 30.21	67.68
23 21 13 23-1779 EA 6" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	320.31 43.72	57.38
23 21 13 23-1780 EA 6" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,428.06 249.51	60.63
23 21 13 23-1781 EA 6" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	330.87 43.72	64.43
23 21 13 23-1782 EA 6" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,446.26 250.93	67.68
23 21 13 23-1783 EA 6" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	341.46 43.72	71.48
23 21 13 23-1784 EA 6" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	322.48 38.08	78.95
23 21 13 23-1785 EA 6" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	431.59 56.33	86.56
23 21 13 23-1786 EA 8" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	539.92 78.13	80.92
23 21 13 23-1787 EA 8" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	551.18 78.13	88.39
23 21 13 23-1788 EA 8" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	562.48 78.13	95.87
23 21 13 23-1789 EA 8" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	694.62 99.63	107.14
23 21 13 23-1790 EA 10" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,144.17 186.01	98.26
23 21 13 23-1791 EA 10" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,355.97 410.03	105.74
23 21 13 23-1792 EA 10" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,265.61 203.41	117.02
23 21 13 23-1793 EA 10" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,279.68 203.41	126.46
23 21 13 23-1794 EA 12" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,467.58 494.97	111.94
23 21 13 23-1795 EA 12" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,496.08 195.02	130.68
23 21 13 23-1796 EA 12" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,163.07 292.95	140.14
23 21 13 23-1797 EA 12" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,177.95 292.95	150.00
23 21 13 23-1798 EA 14" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,837.79 203.44	140.84
23 21 13 23-1799 EA 14" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	4,114.92 119.41	150.28
23 21 13 23-1800 EA 14" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,524.23 100.82	160.16
23 21 13 23-1801 EA 14" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,544.63 100.82	173.69
23 21 13 23-1802 EA 16" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,233.27 183.98	160.30
23 21 13 23-1803 EA 16" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,795.96 170.10	170.16
23 21 13 23-1804 EA 16" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,373.18 156.50	183.84
23 21 13 23-1805 EA 16" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,388.41 156.50	193.99
23 21 13 23-1806 EA 18" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,093.21 240.20	179.61
23 21 13 23-1807 EA 18" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,344.12 216.57	193.14
23 21 13 23-1808 EA 18" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,691.29 196.06	203.30
23 21 13 23-1809 EA 18" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,706.51 196.06	213.58
23 21 13 23-1810 EA 20" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,900.79 264.77	184.26
23 21 13 23-1811 EA 20" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,649.75 225.74	197.94
23 21 13 23-1812 EA 20" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,664.99 225.74	208.08
23 21 13 23-1813 EA 20" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,850.41 200.27	218.10
23 21 13 23-1814 EA 20" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,297.66 213.56	227.54
23 21 13 23-1815 EA 24" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	19,525.96 590.01	204.99
23 21 13 23-1816 EA 24" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	19,082.37 575.76	218.66

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1817	EA	24" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	16,648.53 500.58	228.67
23 21	13 23-1818	EA	24" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	16,663.87 500.58	238.96
23 21	13 23-1819	EA	24" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	14,289.99 427.28	248.27
23 21	13 23-1820	EA	24" x 20", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	13,064.37 389.43	253.06
23 21 13 23-1821 Grooved Eccentric Reducers (23 21 13 23-1727)					
Note: Victaulic No. 51					
23 21	13 23-1822	EA	1-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	444.85 50.00	19.32
23 21	13 23-1823	EA	1-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	405.77 45.13	20.16
23 21	13 23-1824	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	399.00 44.15	21.15
23 21	13 23-1825	EA	2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	842.78 97.15	22.98
23 21	13 23-1826	EA	2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	450.53 49.83	23.96
23 21	13 23-1827	EA	2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	491.87 54.63	24.96
23 21	13 23-1828	EA	2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	422.13 45.73	27.77
23 21	13 23-1829	EA	2-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,093.95 126.82	25.94
23 21	13 23-1830	EA	2-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,023.22 118.15	26.93
23 21	13 23-1831	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	612.53 68.62	27.77
23 21	13 23-1832	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	498.16 54.37	30.59
23 21	13 23-1833	EA	2-1/2" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	233.67 21.90	34.26
23 21	13 23-1834	EA	3" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,100.83 126.74	31.01
23 21	13 23-1835	EA	3" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,002.40 114.73	32.01
23 21	13 23-1836	EA	3" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	574.66 62.89	34.26
23 21	13 23-1837	EA	3" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	266.50 25.17	38.06
23 21	13 23-1838	EA	3" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	277.43 25.17	45.39
23 21	13 23-1839	EA	3-1/2" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,231.75 139.24	48.92
23 21	13 23-1840	EA	4" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,194.99 366.53	38.48
23 21	13 23-1841	EA	4" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,355.29 221.67	41.87
23 21	13 23-1842	EA	4" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	324.41 43.91	45.67
23 21	13 23-1843	EA	4" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	329.35 43.91	48.92
23 21	13 23-1844	EA	4" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	334.99 43.91	52.72
23 21	13 23-1845	EA	5" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,504.95 244.44	53.15
23 21	13 23-1846	EA	5" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,298.89 208.25	56.39
23 21	13 23-1847	EA	5" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,263.12 201.15	60.19
23 21	13 23-1848	EA	5" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	450.24 59.81	67.68
23 21	13 23-1849	EA	6" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,301.67 413.44	57.38
23 21	13 23-1850	EA	6" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,117.16 377.04	64.43
23 21	13 23-1851	EA	6" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,507.57 448.97	67.68
23 21	13 23-1852	EA	6" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	571.45 86.64	71.48
23 21	13 23-1853	EA	6" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	524.82 75.83	78.95
23 21	13 23-1854	EA	6" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	617.21 90.97	86.56
23 21	13 23-1855	EA	8" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,468.95 438.08	80.92
23 21	13 23-1856	EA	8" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,184.26 382.86	88.39
23 21	13 23-1857	EA	8" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,054.07 356.46	95.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1858 EA 8" x 6", Grooved Eccentric Reducer	984.77	107.14
For Galvanized Fittings, Add	153.77	
23 21 13 23-1859 EA 10" x 4", Grooved Eccentric Reducer	3,912.38	98.26
For Galvanized Fittings, Add	702.55	
23 21 13 23-1860 EA 10" x 5", Grooved Eccentric Reducer	3,705.84	105.74
For Galvanized Fittings, Add	661.91	
23 21 13 23-1861 EA 10" x 6", Grooved Eccentric Reducer	2,850.46	117.02
For Galvanized Fittings, Add	499.14	
23 21 13 23-1862 EA 10" x 8", Grooved Eccentric Reducer	2,453.59	126.46
For Galvanized Fittings, Add	422.46	
23 21 13 23-1863 EA 12" x 4", Grooved Eccentric Reducer	3,996.13	111.94
For Galvanized Fittings, Add	577.70	
23 21 13 23-1864 EA 12" x 6", Grooved Eccentric Reducer	3,769.41	130.68
For Galvanized Fittings, Add	539.24	
23 21 13 23-1865 EA 12" x 8", Grooved Eccentric Reducer	3,692.08	140.14
For Galvanized Fittings, Add	525.44	
23 21 13 23-1866 EA 12" x 10", Grooved Eccentric Reducer	3,343.79	150.00
For Galvanized Fittings, Add	470.64	
23 21 13 23-1867 EA 14" x 6", Grooved Eccentric Reducer	9,227.70	140.84
For Galvanized Fittings, Add	276.81	
23 21 13 23-1868 EA 14" x 8", Grooved Eccentric Reducer	5,989.82	150.28
For Galvanized Fittings, Add	176.97	
23 21 13 23-1869 EA 14" x 10", Grooved Eccentric Reducer	5,727.49	160.16
For Galvanized Fittings, Add	168.46	
23 21 13 23-1870 EA 14" x 12", Grooved Eccentric Reducer	5,747.89	173.69
For Galvanized Fittings, Add	168.46	
23 21 13 23-1871 EA 16" x 8", Grooved Eccentric Reducer	10,198.02	160.30
For Galvanized Fittings, Add	305.70	
23 21 13 23-1872 EA 16" x 10", Grooved Eccentric Reducer	9,456.80	170.16
For Galvanized Fittings, Add	282.49	
23 21 13 23-1873 EA 16" x 12", Grooved Eccentric Reducer	8,921.76	183.84
For Galvanized Fittings, Add	265.44	
23 21 13 23-1874 EA 16" x 14", Grooved Eccentric Reducer	8,936.99	193.99
For Galvanized Fittings, Add	265.44	
23 21 13 23-1875 EA 18" x 10", Grooved Eccentric Reducer	12,784.31	179.61
For Galvanized Fittings, Add	384.21	
23 21 13 23-1876 EA 18" x 12", Grooved Eccentric Reducer	12,041.25	193.14
For Galvanized Fittings, Add	360.78	
23 21 13 23-1877 EA 18" x 14", Grooved Eccentric Reducer	10,981.80	203.30
For Galvanized Fittings, Add	327.78	
23 21 13 23-1878 EA 18" x 16", Grooved Eccentric Reducer	10,997.02	213.58
For Galvanized Fittings, Add	327.78	
23 21 13 23-1879 EA 20" x 10", Grooved Eccentric Reducer	16,768.09	184.26
For Galvanized Fittings, Add	506.30	
23 21 13 23-1880 EA 20" x 12", Grooved Eccentric Reducer	12,495.54	197.94
For Galvanized Fittings, Add	374.51	
23 21 13 23-1881 EA 20" x 14", Grooved Eccentric Reducer	11,748.15	208.08
For Galvanized Fittings, Add	351.09	
23 21 13 23-1882 EA 20" x 16", Grooved Eccentric Reducer	11,578.13	218.10
For Galvanized Fittings, Add	345.41	
23 21 13 23-1883 EA 20" x 18", Grooved Eccentric Reducer	11,161.30	227.54
For Galvanized Fittings, Add	332.18	
23 21 13 23-1884 EA 24" x 12", Grooved Eccentric Reducer	24,201.93	218.66
For Galvanized Fittings, Add	732.93	
23 21 13 23-1885 EA 24" x 14", Grooved Eccentric Reducer	20,690.41	228.67
For Galvanized Fittings, Add	624.67	
23 21 13 23-1886 EA 24" x 16", Grooved Eccentric Reducer	20,705.75	238.96
For Galvanized Fittings, Add	624.67	
23 21 13 23-1887 EA 24" x 18", Grooved Eccentric Reducer	19,564.69	248.27
For Galvanized Fittings, Add	589.21	
23 21 13 23-1888 EA 24" x 20", Grooved Eccentric Reducer	17,893.55	253.06
For Galvanized Fittings, Add	537.69	
23 21 13 23-1889 Grooved, Close Nipple <small>(23 21 13 23-1727)</small>		
Note: Victaulic No. 143		
23 21 13 23-1890 EA 1-1/4" Ductile Iron, Grooved, Close Nipple	68.56	18.61
For Galvanized Fittings, Add	7.26	
For 300 LB Rating, Add	6.05	
For Galvanized Fittings, Add	10.33	
23 21 13 23-1891 EA 1-1/2" Ductile Iron, Grooved, Close Nipple	79.23	23.26
For Galvanized Fittings, Add	7.92	
For 300 LB Rating, Add	6.60	
For Galvanized Fittings, Add	11.26	
23 21 13 23-1892 EA 2" Ductile Iron, Grooved, Close Nipple	99.54	30.71
For Galvanized Fittings, Add	9.54	
For 300 LB Rating, Add	7.95	
For Galvanized Fittings, Add	13.57	
23 21 13 23-1893 EA 2-1/2" Ductile Iron, Grooved, Close Nipple	119.04	37.22
For Galvanized Fittings, Add	11.28	
For 300 LB Rating, Add	9.40	
For Galvanized Fittings, Add	16.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1894 Grooved Caps <small>(23 21 13 23-1727)</small>		
Note: Victaulic No. 60		
23 21 13 23-1895 EA 1" Carbon Steel Grooved Cap	147.12	5.78
23 21 13 23-1896 EA 1-1/4" Carbon Steel Grooved Cap	149.94	7.19
23 21 13 23-1897 EA 1-1/2" Carbon Steel Grooved Cap	153.04	8.74
23 21 13 23-1898 EA 2" Carbon Steel Grooved Cap	158.54	11.56
23 21 13 23-1899 EA 2-1/2" Carbon Steel Grooved Cap	163.62	14.10
23 21 13 23-1900 EA 3" Carbon Steel Grooved Cap	169.54	17.05
23 21 13 23-1901 EA 4" Carbon Steel Grooved Cap	189.40	22.56
23 21 13 23-1902 EA 5" Carbon Steel Grooved Cap	388.02	28.06
23 21 13 23-1903 EA 6" Carbon Steel Grooved Cap	404.90	36.79
23 21 13 23-1904 EA 8" Carbon Steel Grooved Cap	717.65	43.70
23 21 13 23-1905 EA 10" Carbon Steel Grooved Cap	1,201.08	51.03
23 21 13 23-1906 EA 12" Carbon Steel Grooved Cap	2,044.17	61.19
23 21 13 23-1907 Grooved Couplings <small>(23 21 13 23-1484)</small>		
23 21 13 23-1908 Flexible Grooved Coupling <small>(23 21 13 23-1907)</small>		
Note: Victaulic Style 77		
23 21 13 23-1909 EA 3/4" Grooved Standard Coupling	32.48	7.61
For Galvanized Fittings, Add	5.87	
23 21 13 23-1910 EA 1" Grooved Standard Coupling	32.48	7.61
For Galvanized Fittings, Add	5.87	
23 21 13 23-1911 EA 1-1/4" Grooved Standard Coupling	42.30	9.58
For Galvanized Fittings, Add	7.81	
23 21 13 23-1912 EA 1-1/2" Grooved Standard Coupling	47.69	11.42
For Galvanized Fittings, Add	8.54	
23 21 13 23-1913 EA 2" Grooved Standard Coupling	55.26	15.37
For Galvanized Fittings, Add	9.02	
23 21 13 23-1914 EA 2-1/2" Grooved Standard Coupling	66.64	18.75
For Galvanized Fittings, Add	10.80	
23 21 13 23-1915 EA 3" Grooved Standard Coupling	72.08	22.41
For Galvanized Fittings, Add	10.80	
23 21 13 23-1916 EA 3-1/2" Grooved Standard Coupling	101.53	26.23
For Galvanized Fittings, Add	17.40	
23 21 13 23-1917 EA 4" Grooved Standard Coupling	107.04	29.89
For Galvanized Fittings, Add	17.40	
23 21 13 23-1918 EA 5" Grooved Standard Coupling	151.39	37.50
For Galvanized Fittings, Add	26.68	
23 21 13 23-1919 EA 6" Grooved Standard Coupling	186.05	48.92
For Galvanized Fittings, Add	31.53	
23 21 13 23-1920 EA 8" Grooved Standard Coupling	270.98	58.36
For Galvanized Fittings, Add	51.40	
23 21 13 23-1921 EA 10" Grooved Standard Coupling	409.98	69.93
For Galvanized Fittings, Add	85.43	
23 21 13 23-1922 EA 12" Grooved Standard Coupling	462.10	76.55
For Galvanized Fittings, Add	97.26	
23 21 13 23-1923 EA 14" Grooved Standard Coupling	574.97	102.07
For Galvanized Fittings, Add	118.16	
23 21 13 23-1924 EA 16" Grooved Standard Coupling	737.09	122.51
For Galvanized Fittings, Add	154.99	
23 21 13 23-1925 EA 18" Grooved Standard Coupling	852.22	136.04
For Galvanized Fittings, Add	181.51	
23 21 13 23-1926 EA 20" Grooved Standard Coupling	1,249.27	153.11
For Galvanized Fittings, Add	285.55	
23 21 13 23-1927 EA 24" Grooved Standard Coupling	1,400.80	188.35
For Galvanized Fittings, Add	313.15	
23 21 13 23-1928 Zero-Flex® Rigid Coupling <small>(23 21 13 23-1907)</small>		
Note: Victaulic Style 07		
23 21 13 23-1929 EA 1" Grooved Rigid Coupling	40.68	7.61
For Galvanized Fittings, Add	7.15	
23 21 13 23-1930 EA 1-1/4" Grooved Rigid Coupling	43.57	9.58
For Galvanized Fittings, Add	7.15	
23 21 13 23-1931 EA 1-1/2" Grooved Rigid Coupling	46.37	11.42
For Galvanized Fittings, Add	7.15	
23 21 13 23-1932 EA 2" Grooved Rigid Coupling	52.96	15.37
For Galvanized Fittings, Add	7.33	
23 21 13 23-1933 EA 2-1/2" Grooved Rigid Coupling	62.56	18.75
For Galvanized Fittings, Add	8.45	
23 21 13 23-1934 EA 3" Grooved Rigid Coupling	68.00	22.41
For Galvanized Fittings, Add	8.45	
23 21 13 23-1935 EA 3-1/2" Grooved Rigid Coupling	79.69	26.23
For Galvanized Fittings, Add	9.87	
23 21 13 23-1936 EA 4" Grooved Rigid Coupling	102.01	29.89
For Galvanized Fittings, Add	13.99	
23 21 13 23-1937 EA 5" Grooved Rigid Coupling	130.29	37.50
For Galvanized Fittings, Add	18.17	
23 21 13 23-1938 EA 6" Grooved Rigid Coupling	172.57	48.92
For Galvanized Fittings, Add	24.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1939 EA 8" Grooved Rigid Coupling	243.60	58.36
<i>For Galvanized Fittings, Add</i>	38.27	
23 21 13 23-1940 EA 10" Grooved Rigid Coupling	384.76	69.93
<i>For Galvanized Fittings, Add</i>	68.57	
23 21 13 23-1941 EA 12" Grooved Rigid Coupling	427.92	76.55
<i>For Galvanized Fittings, Add</i>	76.73	
23 21 13 23-1942 EA 14" Grooved Rigid Coupling	562.16	102.07
<i>For Galvanized Fittings, Add</i>	100.25	
23 21 13 23-1943 EA 16" Grooved Rigid Coupling	717.23	122.51
<i>For Galvanized Fittings, Add</i>	130.75	
23 21 13 23-1944 EA 18" Grooved Rigid Coupling	820.88	136.04
<i>For Galvanized Fittings, Add</i>	151.15	
23 21 13 23-1945 EA 20" Grooved Rigid Coupling	963.94	153.11
<i>For Galvanized Fittings, Add</i>	179.95	
23 21 13 23-1946 EA 24" Grooved Rigid Coupling	1,364.27	188.35
<i>For Galvanized Fittings, Add</i>	265.05	
23 21 13 23-1947 Large Diameter Grooved Coupling <small>(23 21 13 23-1907)</small>		
Note: Victaulic Style 770		
23 21 13 23-1948 EA 28" Grooved Coupling.....	1,354.30	37.50
<i>For Galvanized Fittings, Add</i>	181.75	
23 21 13 23-1949 EA 30" Grooved Coupling.....	1,568.04	48.92
<i>For Galvanized Fittings, Add</i>	209.25	
23 21 13 23-1950 EA 32" Grooved Coupling.....	2,325.69	58.36
<i>For Galvanized Fittings, Add</i>	313.36	
23 21 13 23-1951 EA 36" Grooved Coupling.....	3,086.82	69.93
<i>For Galvanized Fittings, Add</i>	417.47	
23 21 13 23-1952 EA 42" Grooved Coupling.....	6,145.41	76.55
<i>For Galvanized Fittings, Add</i>	844.30	
23 21 13 23-1953 Flexible Coupling <small>(23 21 13 23-1907)</small>		
Note: Victaulic Style 75		
23 21 13 23-1954 EA 1-1/2" Grooved Flexible Coupling	43.72	11.42
<i>For Galvanized Fittings, Add</i>	6.79	
23 21 13 23-1955 EA 2" Grooved Flexible Coupling	50.24	15.37
<i>For Galvanized Fittings, Add</i>	6.96	
23 21 13 23-1956 EA 2-1/2" Grooved Flexible Coupling	59.59	18.75
<i>For Galvanized Fittings, Add</i>	8.07	
23 21 13 23-1957 EA 3" Grooved Flexible Coupling	70.16	22.41
<i>For Galvanized Fittings, Add</i>	9.38	
23 21 13 23-1958 EA 3-1/2" Grooved Flexible Coupling	91.31	26.23
<i>For Galvanized Fittings, Add</i>	13.29	
23 21 13 23-1959 EA 4" Grooved Flexible Coupling	96.82	29.89
<i>For Galvanized Fittings, Add</i>	13.29	
23 21 13 23-1960 EA 5" Grooved Flexible Coupling	131.03	37.50
<i>For Galvanized Fittings, Add</i>	19.18	
23 21 13 23-1961 EA 6" Grooved Flexible Coupling	163.67	48.92
<i>For Galvanized Fittings, Add</i>	23.10	
23 21 13 23-1962 EA 8" Grooved Flexible Coupling	229.26	58.36
<i>For Galvanized Fittings, Add</i>	36.31	
23 21 13 23-1963 Installation-Ready™ Coupling <small>(23 21 13 23-1907)</small>		
Note: Victaulic Style 009N		
23 21 13 23-1964 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling	81.90	7.12
<i>For Galvanized Fittings, Add</i>	18.20	
23 21 13 23-1965 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling	85.47	8.52
<i>For Galvanized Fittings, Add</i>	18.88	
23 21 13 23-1966 EA 2" Ductile Iron, Installation-Ready™ Coupling	99.43	11.44
<i>For Galvanized Fittings, Add</i>	21.02	
23 21 13 23-1967 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling	115.57	13.87
<i>For Galvanized Fittings, Add</i>	24.21	
23 21 13 23-1968 EA 3" Ductile Iron, Installation-Ready™ Coupling	132.25	16.65
<i>For Galvanized Fittings, Add</i>	27.39	
23 21 13 23-1969 EA 4" Ductile Iron, Installation-Ready™ Coupling	183.97	22.24
<i>For Galvanized Fittings, Add</i>	38.47	
23 21 13 23-1970 EA 5" Ductile Iron, Installation-Ready™ Coupling	287.94	27.82
<i>For Galvanized Fittings, Add</i>	62.92	
23 21 13 23-1971 EA 6" Ductile Iron, Installation-Ready™ Coupling	348.81	36.38
<i>For Galvanized Fittings, Add</i>	75.18	
23 21 13 23-1972 EA 8" Ductile Iron, Installation-Ready™ Coupling	556.23	43.27
<i>For Galvanized Fittings, Add</i>	125.61	
23 21 13 23-1973 Grooved Strainers And Suction Diffusers <small>(23 21 13 23-1484)</small>		
23 21 13 23-1974 Grooved Wye Strainers <small>(23 21 13 23-1973)</small>		
Note: Victaulic Style 732		
23 21 13 23-1975 EA 2" Grooved Wye Strainer.....	2,531.02	31.01
23 21 13 23-1976 EA 2-1/2" Grooved Wye Strainer.....	2,666.32	37.64
23 21 13 23-1977 EA 3" Grooved Wye Strainer.....	2,999.72	45.11
23 21 13 23-1978 EA 4" Grooved Wye Strainer.....	3,408.28	60.19

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1979	EA	5" Grooved Wye Strainer	4,919.31	75.29
23 21	13 23-1980	EA	6" Grooved Wye Strainer	5,365.52	97.84
23 21	13 23-1981	EA	8" Grooved Wye Strainer	8,175.30	116.59
23 21	13 23-1982	EA	10" Grooved Wye Strainer	13,065.08	136.33
23 21	13 23-1983	EA	12" Grooved Wye Strainer	22,712.08	163.68
23 21 13 23-1984 Grooved Tee Type Strainers (23 21 13 23-1973)					
Note: Victaulic Style 730					
23 21	13 23-1985	EA	1-1/2" Grooved Tee Type Strainer	1,952.49	23.54
23 21	13 23-1986	EA	2" Grooved Tee Type Strainer	2,500.35	31.01
23 21	13 23-1987	EA	2-1/2" Grooved Tee Type Strainer	2,634.44	37.64
23 21	13 23-1988	EA	3" Grooved Tee Type Strainer	2,963.71	45.11
23 21	13 23-1989	EA	4" Grooved Tee Type Strainer	3,367.45	60.19
23 21	13 23-1990	EA	5" Grooved Tee Type Strainer	4,859.87	75.29
23 21	13 23-1991	EA	6" Grooved Tee Type Strainer	5,301.43	97.84
23 21	13 23-1992	EA	8" Grooved Tee Type Strainer	8,076.06	116.59
23 21	13 23-1993	EA	10" Grooved Tee Type Strainer	11,809.08	136.33
23 21	13 23-1994	EA	12" Grooved Tee Type Strainer	15,183.69	163.68
23 21	13 23-1995	EA	14" Grooved Tee Type Strainer	53,523.91	184.26
23 21	13 23-1996	EA	16" Grooved Tee Type Strainer	66,484.84	204.00
23 21	13 23-1997	EA	18" Grooved Tee Type Strainer	87,378.68	222.89
23 21 13 23-1998 Grooved Suction Diffuser (23 21 13 23-1973)					
Note: Victaulic Style 731					
23 21	13 23-1999	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,147.46	34.82
23 21	13 23-2000	EA	3" Grooved x 2" Flanged Suction Diffuser	5,464.94	38.48
23 21	13 23-2001	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	3,954.90	45.11
23 21	13 23-2002	EA	3" Grooved x 3" Flanged Suction Diffuser	4,011.86	48.92
23 21	13 23-2003	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,344.22	48.92
23 21	13 23-2004	EA	4" Grooved x 3" Flanged Suction Diffuser	4,686.86	52.72
23 21	13 23-2005	EA	4" Grooved x 4" Flanged Suction Diffuser	5,415.84	52.72
23 21	13 23-2006	EA	5" Grooved x 4" Flanged Suction Diffuser	6,050.00	67.68
23 21	13 23-2007	EA	5" Grooved x 5" Flanged Suction Diffuser	6,357.50	71.48
23 21	13 23-2008	EA	6" Grooved x 4" Flanged Suction Diffuser	6,460.77	78.95
23 21	13 23-2009	EA	6" Grooved x 5" Flanged Suction Diffuser	7,716.69	86.56
23 21	13 23-2010	EA	6" Grooved x 6" Flanged Suction Diffuser	8,015.79	92.20
23 21	13 23-2011	EA	8" Grooved x 5" Flanged Suction Diffuser	8,225.24	95.87
23 21	13 23-2012	EA	8" Grooved x 6" Flanged Suction Diffuser	8,682.54	107.14
23 21	13 23-2013	EA	8" Grooved x 8" Flanged Suction Diffuser	14,839.81	116.59
23 21	13 23-2014	EA	10" Grooved x 8" Flanged Suction Diffuser	16,737.20	126.04
23 21	13 23-2015	EA	10" Grooved x 10" Flanged Suction Diffuser	20,135.92	130.68
23 21	13 23-2016	EA	12" Grooved x 10" Flanged Suction Diffuser	23,827.64	150.42
23 21	13 23-2017	EA	12" Grooved x 12" Flanged Suction Diffuser	33,069.66	159.88
23 21	13 23-2018	EA	14" Grooved x 10" Flanged Suction Diffuser	30,793.85	159.88
23 21	13 23-2019	EA	14" Grooved x 12" Flanged Suction Diffuser	34,391.17	173.97
23 21	13 23-2020	EA	14" Grooved x 14" Flanged Suction Diffuser	41,722.90	184.26
23 21	13 23-2021	EA	16" Grooved x 14" Flanged Suction Diffuser	42,955.01	193.70
23 21 13 23-2022 Grooved Steel Valves (23 21 13 23-1484)					
23 21 13 23-2023 Grooved Butterfly Valves With Standard Trim (23 21 13 23-2022)					
23 21	13 23-2024	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	295.25	15.37
23 21	13 23-2025	EA	2" Butterfly Valve, Grooved, With Standard Trim	302.52	20.16
23 21	13 23-2026	EA	3" Butterfly Valve, Grooved, With Standard Trim	495.34	29.89
23 21	13 23-2027	EA	4" Butterfly Valve, Grooved, With Standard Trim	665.07	39.34
23 21	13 23-2028	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,444.70	64.43
23 21	13 23-2029	EA	8" Butterfly Valve, Grooved, With Standard Trim	2,002.54	90.65
23 21	13 23-2030	EA	10" Butterfly Valve, Grooved, With Standard Trim	3,002.87	122.51
23 21 13 23-2031 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-2022)					
23 21	13 23-2032	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	441.07	15.37
23 21	13 23-2033	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	448.34	20.16
23 21	13 23-2034	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	693.01	29.89
23 21	13 23-2035	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	882.19	39.34
23 21	13 23-2036	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,684.50	64.43
23 21	13 23-2037	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,793.24	90.65
23 21	13 23-2038	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,396.31	122.51
23 21 13 23-2039 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-2022)					
Note: Victaulic No. 721					
23 21	13 23-2040	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	249.92	15.08
23 21	13 23-2041	EA	2" Ball Valve, Grooved, With Standard Trim	287.16	20.72
23 21	13 23-2042	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	648.67	25.38
23 21	13 23-2043	EA	3" Ball Valve, Grooved, With Standard Trim	1,059.89	30.03
23 21	13 23-2044	EA	4" Ball Valve, Grooved, With Standard Trim	1,648.13	39.48
23 21	13 23-2045	EA	6" Ball Valve, Grooved, With Standard Trim	5,105.33	64.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	2046		Grooved Ball Valves With Stainless Steel Trim And Handle <small>(23 21 13 23-2022)</small>		
				Note: Victaulic No. 721		
	23 21	13 23-	2047	EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	265.89	15.08
	23 21	13 23-	2048	EA 2" Ball Valve, Grooved, With Stainless Steel Trim.....	452.95	20.72
	23 21	13 23-	2049	EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,171.44	25.38
	23 21	13 23-	2050	EA 3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,513.94	30.03
	23 21	13 23-	2051	EA 4" Ball Valve, Grooved, With Stainless Steel Trim.....	2,067.72	39.48
	23 21	13 23-	2052	EA 6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,625.26	64.85
23 21	13 23-	2053		Grooved Check Valves <small>(23 21 13 23-2022)</small>		
				Note: Victaulic No. 712		
	23 21	13 23-	2054	EA 2" Check Valve, Grooved.....	378.43	20.72
	23 21	13 23-	2055	EA 2-1/2" Check Valve, Grooved.....	611.81	25.38
	23 21	13 23-	2056	EA 3" Check Valve, Grooved.....	713.00	30.03
	23 21	13 23-	2057	EA 4" Check Valve, Grooved.....	1,009.64	39.48
23 21	13 23-	2058		Grooved Vic-Check Check Valves <small>(23 21 13 23-2022)</small>		
				Note: Victaulic No. 716		
	23 21	13 23-	2059	EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	490.57	25.38
	23 21	13 23-	2060	EA 3" "Vic-Check" Check Valve, Grooved.....	497.43	30.03
	23 21	13 23-	2061	EA 4" "Vic-Check" Check Valve, Grooved.....	624.00	39.48
	23 21	13 23-	2062	EA 6" "Vic-Check" Check Valve, Grooved.....	1,212.39	64.85
	23 21	13 23-	2063	EA 8" "Vic-Check" Check Valve, Grooved.....	1,659.42	90.23
	23 21	13 23-	2064	EA 10" "Vic-Check" Check Valve, Grooved.....	4,595.19	122.23
	23 21	13 23-	2065	EA 12" "Vic-Check" Check Valve, Grooved.....	5,440.32	141.12
23 21	13 23-	2066		Grooved Plug Valves With Lever Operator <small>(23 21 13 23-2022)</small>		
				Note: Victaulic No. 377		
	23 21	13 23-	2067	EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	743.25	30.03
	23 21	13 23-	2068	EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	827.54	39.48
	23 21	13 23-	2069	EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	1,474.88	64.85
23 21	13 23-	2070		Grooved Plug Valve With Gear Operator <small>(23 21 13 23-2022)</small>		
				Note: Victaulic No. 377		
	23 21	13 23-	2071	EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	1,306.46	30.03
	23 21	13 23-	2072	EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	1,390.80	39.48
	23 21	13 23-	2073	EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	2,038.14	64.85
	23 21	13 23-	2074	EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	2,727.88	90.23
	23 21	13 23-	2075	EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	4,271.91	122.23
	23 21	13 23-	2076	EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	6,167.24	141.12
23 21	13 23-	2077		Prepare Pipe For Groove <small>(23 21 13 23-1484)</small>		
23 21	13 23-	2078		Cut Grooved Pipe <small>(23 21 13 23-2077)</small>		
				Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
	23 21	13 23-	2079	EA Cut 3/4" Groove Pipe.....	14.77	
	23 21	13 23-	2080	EA Cut 1" Groove Pipe.....	16.04	
	23 21	13 23-	2081	EA Cut 1-1/4" Groove Pipe.....	18.10	
	23 21	13 23-	2082	EA Cut 1-1/2" Groove Pipe.....	19.69	
	23 21	13 23-	2083	EA Cut 2" Groove Pipe.....	21.59	
	23 21	13 23-	2084	EA Cut 2-1/2" Groove Pipe.....	23.38	
	23 21	13 23-	2085	EA Cut 3" Groove Pipe.....	25.51	
	23 21	13 23-	2086	EA Cut 3-1/2" Groove Pipe.....	27.05	
	23 21	13 23-	2087	EA Cut 4" Groove Pipe.....	28.78	
	23 21	13 23-	2088	EA Cut 5" Groove Pipe.....	31.18	
	23 21	13 23-	2089	EA Cut 6" Groove Pipe.....	32.07	
	23 21	13 23-	2090	EA Cut 8" Groove Pipe.....	41.57	
	23 21	13 23-	2091	EA Cut 10" Groove Pipe.....	59.08	
	23 21	13 23-	2092	EA Cut 12" Groove Pipe.....	74.83	
	23 21	13 23-	2093	EA Cut 14" Groove Pipe.....	112.24	
	23 21	13 23-	2094	EA Cut 16" Groove Pipe.....	118.16	
	23 21	13 23-	2095	EA Cut 18" Groove Pipe.....	124.72	
	23 21	13 23-	2096	EA Cut 20" Groove Pipe.....	132.05	
	23 21	13 23-	2097	EA Cut 24" Groove Pipe.....	149.66	
23 21	13 23-	2098		Roll Grooved Pipe <small>(23 21 13 23-2077)</small>		
				Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
	23 21	13 23-	2099	EA Roll 3/4" Groove.....	8.44	
	23 21	13 23-	2100	EA Roll 1" Groove.....	9.84	
	23 21	13 23-	2101	EA Roll 1-1/4" Groove.....	11.22	
	23 21	13 23-	2102	EA Roll 1-1/2" Groove.....	12.61	
	23 21	13 23-	2103	EA Roll 2" Groove.....	19.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2104	EA	Roll 2-1/2" Groove	20.41	
23 21	13 23-2105	EA	Roll 3" Groove.....	22.44	
23 21	13 23-2106	EA	Roll 3-1/2" Groove	23.88	
23 21	13 23-2107	EA	Roll 4" Groove.....	26.10	
23 21	13 23-2108	EA	Roll 5" Groove.....	26.73	
23 21	13 23-2109	EA	Roll 6" Groove.....	28.07	
23 21	13 23-2110	EA	Roll 8" Groove.....	34.02	
23 21	13 23-2111	EA	Roll 10" Groove.....	38.70	
23 21	13 23-2112	EA	Roll 12" Groove.....	48.80	
23 21	13 23-2113	EA	Roll 14" Groove.....	74.83	
23 21	13 23-2114	EA	Roll 16" Groove.....	80.17	
23 21	13 23-2115	EA	Roll 18" Groove.....	83.14	
23 21	13 23-2116	EA	Roll 20" Groove.....	89.80	
23 21	13 23-2117	EA	Roll 24" Groove.....	97.60	
23 21	13 23-2118		Standard Gaskets <small>(23 21 13 23-2077)</small>		
			Note: For use on replacement of existing gaskets.		
23 21	13 23-2119	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.00	
23 21	13 23-2120	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.18	
23 21	13 23-2121	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	23.39	
23 21	13 23-2122	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	25.73	
23 21	13 23-2123	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	26.57	
23 21	13 23-2124	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.65	
23 21	13 23-2125	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	33.74	
23 21	13 23-2126	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	40.91	
23 21	13 23-2127	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	41.59	
23 21	13 23-2128	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	50.71	
23 21	13 23-2129	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	54.40	
23 21	13 23-2130	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	73.26	
23 21	13 23-2131	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	90.93	
23 21	13 23-2132	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	108.07	
23 21	13 23-2133	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	151.68	
23 21	13 23-2134	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	198.80	
23 21	13 23-2135	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	233.21	
23 21	13 23-2136	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	339.04	
23 21	13 23-2137	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	460.36	
23 21	13 23-2138		Copper Grooved-Joint Pipe Fittings <small>(23 21 13 23)</small>		
			Note: Couplings are not included with fittings.		
23 21	13 23-2139		Grooved Fittings <small>(23 21 13 23-2138)</small>		
23 21	13 23-2140		Grooved 90 Degree Elbows <small>(23 21 13 23-2139)</small>		
23 21	13 23-2141	EA	2" Copper 90 Degree Elbow, Grooved.....	125.86	22.98
23 21	13 23-2142	EA	2-1/2" Copper 90 Degree Elbow, Grooved	142.46	28.06
23 21	13 23-2143	EA	3" Copper 90 Degree Elbow, Grooved.....	188.98	33.98
23 21	13 23-2144	EA	4" Copper 90 Degree Elbow, Grooved.....	367.41	44.83
23 21	13 23-2145	EA	5" Copper 90 Degree Elbow, Grooved.....	899.14	56.11
23 21	13 23-2146	EA	6" Copper 90 Degree Elbow, Grooved.....	1,402.62	73.45
23 21	13 23-2147	EA	8" Copper 90 Degree Elbow, Grooved.....	2,532.28	87.40
23 21	13 23-2148		Grooved 45 Degree Elbows <small>(23 21 13 23-2139)</small>		
23 21	13 23-2149	EA	2" Copper 45 Degree Elbow, Grooved.....	125.86	22.98
23 21	13 23-2150	EA	2-1/2" Copper 45 Degree Elbow, Grooved	142.46	28.06
23 21	13 23-2151	EA	3" Copper 45 Degree Elbow, Grooved.....	188.98	33.98
23 21	13 23-2152	EA	4" Copper 45 Degree Elbow, Grooved.....	367.41	44.83
23 21	13 23-2153	EA	5" Copper 45 Degree Elbow, Grooved.....	899.14	56.11
23 21	13 23-2154	EA	6" Copper 45 Degree Elbow, Grooved.....	1,402.62	73.45
23 21	13 23-2155	EA	8" Copper 45 Degree Elbow, Grooved.....	2,532.28	87.40
23 21	13 23-2156		Grooved Tees <small>(23 21 13 23-2139)</small>		
23 21	13 23-2157	EA	2" Copper Tee, Grooved.....	198.55	33.84
23 21	13 23-2158	EA	2-1/2" Copper Tee, Grooved.....	221.94	41.59
23 21	13 23-2159	EA	3" Copper Tee, Grooved.....	308.61	51.03
23 21	13 23-2160	EA	4" Copper Tee, Grooved.....	584.89	65.98
23 21	13 23-2161	EA	5" Copper Tee, Grooved.....	2,165.38	86.28
23 21	13 23-2162	EA	6" Copper Tee, Grooved.....	1,781.41	107.99
23 21	13 23-2163	EA	8" Copper Tee, Grooved.....	3,057.58	131.12
23 21	13 23-2164		Grooved Reducing Tees <small>(23 21 13 23-2139)</small>		
23 21	13 23-2165	EA	2-1/2" Copper Tee, Reducing, Grooved.....	290.06	41.59
23 21	13 23-2166	EA	3" Copper Tee, Reducing, Grooved.....	453.25	51.03
23 21	13 23-2167	EA	4" Copper Tee, Reducing, Grooved.....	726.97	66.12
23 21	13 23-2168	EA	5" Copper Tee, Reducing, Grooved.....	1,988.41	86.42
23 21	13 23-2169	EA	6" Copper Tee, Reducing, Grooved.....	2,432.79	107.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2170				Grooved X Cup Reducing Tees (23 21 13 23-2139)		
			EA	2" Copper Tee, Reducing, Grooved X Cup.....	234.98	33.84
			EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	290.80	41.59
			EA	3" Copper Tee, Reducing, Grooved X Cup.....	486.03	51.03
			EA	4" Copper Tee, Reducing, Grooved X Cup.....	726.97	65.98
23 21 13 23-2175				Grooved Flanged Adapter Nipples (23 21 13 23-2139)		
			EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	394.28	24.96
			EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	419.11	30.31
			EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	447.92	36.23
			EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	509.25	48.78
			EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	671.51	59.07
			EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	761.75	79.79
23 21 13 23-2182				Grooved Concentric Reducers (23 21 13 23-2139)		
			EA	2-1/2" x 2" Copper Concentric Reducer, Grooved.....	165.85	25.66
			EA	3" x 2" Copper Concentric Reducer, Grooved.....	171.49	28.62
			EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	182.42	33.98
			EA	4" x 2" Copper Concentric Reducer, Grooved.....	302.28	34.26
			EA	4" x 2-1/2" Copper Concentric Reducer, Grooved.....	307.22	36.65
			EA	4" x 3" Copper Concentric Reducer, Grooved.....	312.86	39.48
			EA	5" x 3" Copper Concentric Reducer, Grooved.....	748.17	45.11
			EA	5" x 4" Copper Concentric Reducer, Grooved.....	759.45	50.75
			EA	6" x 3" Copper Concentric Reducer, Grooved.....	819.38	53.58
			EA	6" x 4" Copper Concentric Reducer, Grooved.....	830.65	59.21
			EA	6" x 5" Copper Concentric Reducer, Grooved.....	841.94	64.85
			EA	8" x 6" Copper Concentric Reducer, Grooved.....	1,410.67	80.36
23 21 13 23-2195				Grooved X Cup Concentric Reducers (23 21 13 23-2139)		
			EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	130.68	18.05
			EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	132.09	18.75
			EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	136.40	20.87
			EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	156.14	20.16
			EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	157.53	20.87
			EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	161.67	22.98
			EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	167.32	25.66
			EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	195.35	25.66
			EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	200.99	28.62
			EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	335.43	34.12
23 21 13 23-2206				Grooved Standard Couplings (23 21 13 23-2139)		
			EA	2" Copper Standard Coupling, Grooved.....	50.55	11.56
			EA	2-1/2" Copper Standard Coupling, Grooved.....	59.60	14.10
			EA	3" Copper Standard Coupling, Grooved.....	68.21	16.77
			EA	4" Copper Standard Coupling, Grooved.....	98.01	22.56
			EA	5" Copper Standard Coupling, Grooved.....	146.48	28.06
			EA	6" Copper Standard Coupling, Grooved.....	192.78	36.65
			EA	8" Copper Standard Coupling, Grooved.....	273.20	43.70
23 21 13 23-2214				Grooved Caps (23 21 13 23-2139)		
			EA	2" Copper Cap, Grooved.....	78.04	11.56
			EA	2-1/2" Copper Cap, Grooved.....	109.68	14.10
			EA	3" Copper Cap, Grooved.....	134.78	16.77
			EA	4" Copper Cap, Grooved.....	196.82	22.41
			EA	5" Copper Cap, Grooved.....	325.48	28.06
			EA	6" Copper Cap, Grooved.....	383.45	36.65
23 21 13 23-2221				Grooved Valves (23 21 13 23-2138)		
23 21 13 23-2222				Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2221)		
				Note: Copper body.		
			EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	485.81	15.08
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	555.09	22.41
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	733.70	29.46
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	983.35	48.36
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2227 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,091.19	67.96
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2228 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2221)		
Note: Copper body.		
23 21 13 23-2229 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	591.87	15.08
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2230 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	661.22	22.41
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2231 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	839.83	29.46
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2232 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,089.55	48.36
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2233 EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,197.32	67.96
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2234 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
Note: Socket or back weld.		
23 21 13 23-2235 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2234)		
Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2236 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2235)		
23 21 13 23-2237 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.93	4.03
For Work In Restricted Working Space, Add	1.82	
23 21 13 23-2238 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.69	5.04
For Work In Restricted Working Space, Add	2.27	
23 21 13 23-2239 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.68	5.37
For Work In Restricted Working Space, Add	2.42	
23 21 13 23-2240 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.81	5.78
For Work In Restricted Working Space, Add	2.60	
23 21 13 23-2241 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	11.25	5.88
For Work In Restricted Working Space, Add	2.64	
23 21 13 23-2242 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	13.88	7.04
For Work In Restricted Working Space, Add	3.17	
23 21 13 23-2243 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	17.79	8.36
For Work In Restricted Working Space, Add	3.76	
23 21 13 23-2244 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	21.98	10.11
For Work In Restricted Working Space, Add	4.55	
23 21 13 23-2245 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	32.56	15.15
For Work In Restricted Working Space, Add	6.82	
23 21 13 23-2246 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	47.46	20.21
For Work In Restricted Working Space, Add	9.10	
23 21 13 23-2247 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	62.18	24.09
For Work In Restricted Working Space, Add	10.85	
23 21 13 23-2248 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	120.02	26.91
For Work In Restricted Working Space, Add	12.10	
23 21 13 23-2249 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2235)		
23 21 13 23-2250 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	23.57	15.22
For Work In Restricted Working Space, Add	6.82	
23 21 13 23-2251 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	31.49	20.16
For Work In Restricted Working Space, Add	9.10	
23 21 13 23-2252 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	39.68	25.10
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-2253 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	57.04	35.53
For Work In Restricted Working Space, Add	15.96	
23 21 13 23-2254 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	64.07	40.04
For Work In Restricted Working Space, Add	18.00	
23 21 13 23-2255 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	82.61	50.89
For Work In Restricted Working Space, Add	22.86	
23 21 13 23-2256 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	132.27	75.29
For Work In Restricted Working Space, Add	33.84	
23 21 13 23-2257 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	171.79	98.97
For Work In Restricted Working Space, Add	44.52	
23 21 13 23-2258 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	218.02	117.58
For Work In Restricted Working Space, Add	52.87	
23 21 13 23-2259 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	301.47	134.35
For Work In Restricted Working Space, Add	60.42	
23 21 13 23-2260 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	492.63	156.77
For Work In Restricted Working Space, Add	70.49	
23 21 13 23-2261 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	736.47	233.75
For Work In Restricted Working Space, Add	105.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2262 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2235)						
			EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	23.99	15.22
				<i>For Work In Restricted Working Space, Add</i>	6.82	
			EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	32.32	20.16
				<i>For Work In Restricted Working Space, Add</i>	9.10	
			EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	40.85	25.10
				<i>For Work In Restricted Working Space, Add</i>	11.28	
			EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	57.79	35.53
				<i>For Work In Restricted Working Space, Add</i>	15.96	
			EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	65.73	40.04
				<i>For Work In Restricted Working Space, Add</i>	18.00	
			EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	83.69	50.89
				<i>For Work In Restricted Working Space, Add</i>	22.86	
			EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	132.27	75.29
				<i>For Work In Restricted Working Space, Add</i>	33.84	
			EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	178.79	98.97
				<i>For Work In Restricted Working Space, Add</i>	44.52	
			EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	230.76	117.58
				<i>For Work In Restricted Working Space, Add</i>	52.87	
			EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	302.63	134.35
				<i>For Work In Restricted Working Space, Add</i>	60.42	
			EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	478.56	156.77
				<i>For Work In Restricted Working Space, Add</i>	70.49	
			EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	736.47	233.75
				<i>For Work In Restricted Working Space, Add</i>	105.11	
23 21 13 23-2275 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2235)						
			EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	38.60	25.10
				<i>For Work In Restricted Working Space, Add</i>	11.28	
			EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	46.56	30.31
				<i>For Work In Restricted Working Space, Add</i>	13.64	
			EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	62.07	40.04
				<i>For Work In Restricted Working Space, Add</i>	18.00	
			EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	79.53	50.89
				<i>For Work In Restricted Working Space, Add</i>	22.86	
			EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	95.03	60.63
				<i>For Work In Restricted Working Space, Add</i>	27.29	
			EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	118.70	75.29
				<i>For Work In Restricted Working Space, Add</i>	33.84	
			EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	168.05	98.97
				<i>For Work In Restricted Working Space, Add</i>	44.52	
			EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	201.95	117.58
				<i>For Work In Restricted Working Space, Add</i>	52.87	
			EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	281.59	156.77
				<i>For Work In Restricted Working Space, Add</i>	70.49	
			EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	460.36	202.17
				<i>For Work In Restricted Working Space, Add</i>	90.95	
			EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	740.58	250.80
				<i>For Work In Restricted Working Space, Add</i>	112.78	
			EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,988.69	374.73
				<i>For Work In Restricted Working Space, Add</i>	168.56	
23 21 13 23-2288 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2235)						
			EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	48.56	31.29
				<i>For Work In Restricted Working Space, Add</i>	14.10	
			EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	58.55	37.92
				<i>For Work In Restricted Working Space, Add</i>	17.06	
			EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	78.26	50.05
				<i>For Work In Restricted Working Space, Add</i>	22.50	
			EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	100.48	63.58
				<i>For Work In Restricted Working Space, Add</i>	28.58	
			EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	120.08	75.85
				<i>For Work In Restricted Working Space, Add</i>	34.11	
			EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	150.25	94.03
				<i>For Work In Restricted Working Space, Add</i>	42.29	
			EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	216.30	123.78
				<i>For Work In Restricted Working Space, Add</i>	55.65	
			EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	260.60	146.90
				<i>For Work In Restricted Working Space, Add</i>	66.08	
			EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	366.80	195.97
				<i>For Work In Restricted Working Space, Add</i>	88.11	
			EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	625.21	252.64
				<i>For Work In Restricted Working Space, Add</i>	113.65	
			EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	1,041.29	313.26
				<i>For Work In Restricted Working Space, Add</i>	140.90	
			EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,939.37	468.62
				<i>For Work In Restricted Working Space, Add</i>	210.80	
23 21 13 23-2301 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2235)						

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2302 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	24.34 7.08	15.51
23 21 13 23-2303 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	31.77 9.06	19.88
23 21 13 23-2304 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	42.42 12.10	26.65
23 21 13 23-2305 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	52.46 15.09	33.13
23 21 13 23-2306 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	64.20 18.16	39.90
23 21 13 23-2307 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	89.83 25.20	55.41
23 21 13 23-2308 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	124.82 34.82	76.55
23 21 13 23-2309 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	164.01 43.28	95.16
23 21 13 23-2310 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	216.87 50.35	110.81
23 21 13 23-2311 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	475.88 58.19	128.01
23 21 13 23-2312 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	573.12 78.04	171.71
23 21 13 23-2313 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2235)		
23 21 13 23-2314 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.49 6.82	15.22
23 21 13 23-2315 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	32.07 9.10	20.16
23 21 13 23-2316 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	39.76 11.28	25.10
23 21 13 23-2317 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	56.54 15.96	35.53
23 21 13 23-2318 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	63.82 18.00	40.04
23 21 13 23-2319 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	81.44 22.86	50.89
23 21 13 23-2320 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	120.37 33.84	75.29
23 21 13 23-2321 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	157.14 44.52	98.97
23 21 13 23-2322 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	195.96 52.87	117.58
23 21 13 23-2323 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2235)		
23 21 13 23-2324 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	25.07 6.82	15.22
23 21 13 23-2325 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	32.65 9.10	20.16
23 21 13 23-2326 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.93 11.28	25.10
23 21 13 23-2327 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	57.21 15.96	35.53
23 21 13 23-2328 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	65.32 18.00	40.04
23 21 13 23-2329 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	82.78 22.86	50.89
23 21 13 23-2330 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	121.86 33.84	75.29
23 21 13 23-2331 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	161.72 44.52	98.97
23 21 13 23-2332 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	193.30 52.87	117.58
23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2235)		
23 21 13 23-2334 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	23.57 6.82	15.22
23 21 13 23-2335 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	31.40 9.10	20.16
23 21 13 23-2336 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	38.85 11.28	25.10
23 21 13 23-2337 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	55.21 15.96	35.53
23 21 13 23-2338 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	62.32 18.00	40.04
23 21 13 23-2339 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	79.36 22.86	50.89
23 21 13 23-2340 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	126.52 33.84	75.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2341 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	166.88 44.52	98.97
23 21 13 23-2342 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	206.78 52.87	117.58
23 21 13 23-2343 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2235)		
23 21 13 23-2344 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	37.09 9.30	20.72
23 21 13 23-2345 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2235)		
23 21 13 23-2346 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	23.24 6.82	15.22
23 21 13 23-2347 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	30.99 9.10	20.16
23 21 13 23-2348 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	38.85 11.28	25.10
23 21 13 23-2349 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	54.88 15.96	35.53
23 21 13 23-2350 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	61.82 18.00	40.04
23 21 13 23-2351 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	79.03 22.86	50.89
23 21 13 23-2352 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	119.12 33.84	75.29
23 21 13 23-2353 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	158.31 44.52	98.97
23 21 13 23-2354 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	190.63 52.87	117.58
23 21 13 23-2355 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	247.02 60.42	134.35
23 21 13 23-2356 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	320.22 70.49	156.77
23 21 13 23-2357 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	643.13 75.56	168.05
23 21 13 23-2358 Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2235)		
23 21 13 23-2359 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	46.03 11.28	25.10
23 21 13 23-2360 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	59.55 13.64	30.31
23 21 13 23-2361 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	75.72 18.00	40.04
23 21 13 23-2362 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	114.50 22.86	50.89
23 21 13 23-2363 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	130.91 27.29	60.63
23 21 13 23-2364 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	166.65 33.84	75.29
23 21 13 23-2365 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	246.14 44.52	98.97
23 21 13 23-2366 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	279.79 52.87	117.58
23 21 13 23-2367 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	440.34 70.49	156.77
23 21 13 23-2368 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	578.35 90.92	202.17
23 21 13 23-2369 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	829.94 112.72	250.66
23 21 13 23-2370 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	1,215.23 139.97	311.15
23 21 13 23-2371 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2235)		
23 21 13 23-2372 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	11.03 3.11	6.85
23 21 13 23-2373 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	14.48 4.10	9.02
23 21 13 23-2374 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	18.24 5.07	11.14
23 21 13 23-2375 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	26.05 7.27	15.97
23 21 13 23-2376 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	29.00 8.10	17.77
23 21 13 23-2377 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	36.70 10.29	22.70
23 21 13 23-2378 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	58.66 15.23	33.56
23 21 13 23-2379 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	75.35 20.03	44.12

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2380 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	98.95 23.79	52.30
23 21 13 23-2381 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	137.67 27.19	59.77
23 21 13 23-2382 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	263.08 31.72	69.79
23 21 13 23-2383 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	739.83 47.30	104.05
23 21 13 23-2384 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2385)</small>		
23 21 13 23-2385 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	54.33 11.28	25.10
23 21 13 23-2386 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	71.12 13.64	30.31
23 21 13 23-2387 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	88.54 18.00	40.04
23 21 13 23-2388 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	105.59 22.86	50.89
23 21 13 23-2389 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	121.00 27.29	60.63
23 21 13 23-2390 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	152.75 33.84	75.29
23 21 13 23-2391 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	210.09 44.52	98.97
23 21 13 23-2392 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	244.33 52.87	117.58
23 21 13 23-2393 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	321.22 70.49	156.77
23 21 13 23-2394 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	438.66 90.92	202.17
23 21 13 23-2395 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	681.68 112.72	250.66
23 21 13 23-2396 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	1,155.38 139.75	310.72
23 21 13 23-2397 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-2234)</small> Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2398 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2397)</small>		
23 21 13 23-2399 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.18 1.82	4.09
23 21 13 23-2400 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.00 2.27	5.08
23 21 13 23-2401 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.20 2.72	6.06
23 21 13 23-2402 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.48 3.18	7.05
23 21 13 23-2403 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.54 3.63	8.03
23 21 13 23-2404 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	20.16 4.55	10.15
23 21 13 23-2405 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	24.12 5.00	11.14
23 21 13 23-2406 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	28.07 5.46	12.13
23 21 13 23-2407 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	37.25 6.82	15.22
23 21 13 23-2408 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	57.91 9.10	20.16
23 21 13 23-2409 LF 8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	78.19 10.85	24.10
23 21 13 23-2410 LF 10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	168.43 11.68	25.94
23 21 13 23-2411 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2397)</small>		
23 21 13 23-2412 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.74 6.82 3.41	15.22
23 21 13 23-2413 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.23 9.10 4.55	20.16
23 21 13 23-2414 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.93 11.28 5.64	25.10
23 21 13 23-2415 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	61.62 15.96 7.98	35.53
23 21 13 23-2416 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.98 18.00 9.00	40.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2417 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	87.11 22.86 11.43	50.89
23 21 13 23-2418 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	138.35 33.84 16.92	75.29
23 21 13 23-2419 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	177.12 44.52 22.26	98.97
23 21 13 23-2420 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	219.85 52.87 26.43	117.58
23 21 13 23-2421 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	358.99 60.42 30.21	134.35
23 21 13 23-2422 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	577.55 70.49 35.25	156.77
23 21 13 23-2423 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	736.47 105.11 52.55	233.75
23 21 13 23-2424 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2397)		
23 21 13 23-2425 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.48 6.82 3.41	15.22
23 21 13 23-2426 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.06 9.10 4.55	20.16
23 21 13 23-2427 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.75 11.28 5.64	25.10
23 21 13 23-2428 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	70.03 15.96 7.98	35.53
23 21 13 23-2429 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	79.80 18.00 9.00	40.04
23 21 13 23-2430 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	101.93 22.86 11.43	50.89
23 21 13 23-2431 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	166.91 33.84 16.92	75.29
23 21 13 23-2432 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	214.26 44.52 22.26	98.97
23 21 13 23-2433 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	294.87 52.87 26.43	117.58
23 21 13 23-2434 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	350.76 60.42 30.21	134.35
23 21 13 23-2435 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	558.84 70.49 35.25	156.77
23 21 13 23-2436 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	715.43 105.11 52.55	233.75
23 21 13 23-2437 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2397)		
23 21 13 23-2438 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.27 10.71 5.35	23.82
23 21 13 23-2439 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.47 13.64 6.82	30.31
23 21 13 23-2440 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.23 18.00 9.00	40.04
23 21 13 23-2441 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	107.26 22.86 11.43	50.89
23 21 13 23-2442 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	122.01 27.29 13.64	60.63
23 21 13 23-2443 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	151.67 33.84 16.92	75.29
23 21 13 23-2444 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	190.69 44.52 22.26	98.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2445 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	229.01 52.87 26.43	117.58
23 21 13 23-2446 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	296.16 70.49 35.25	156.77
23 21 13 23-2447 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	512.24 90.95 45.48	202.17
23 21 13 23-2448 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	860.83 112.78 56.39	250.80
23 21 13 23-2449 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,988.79 168.56 84.28	374.73
23 21 13 23-2450 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2397)		
23 21 13 23-2451 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.06 13.39 6.69	29.74
23 21 13 23-2452 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	70.94 17.06 8.53	37.92
23 21 13 23-2453 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	92.61 22.50 11.25	50.05
23 21 13 23-2454 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	143.94 28.58 14.29	63.58
23 21 13 23-2455 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	162.37 34.11 17.05	75.85
23 21 13 23-2456 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	201.93 42.29 21.15	94.03
23 21 13 23-2457 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	251.81 55.65 27.83	123.78
23 21 13 23-2458 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	303.03 66.08 33.04	146.90
23 21 13 23-2459 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	389.64 88.11 44.06	195.97
23 21 13 23-2460 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	706.54 113.65 56.82	252.64
23 21 13 23-2461 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,229.79 140.90 70.45	313.26
23 21 13 23-2462 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	2,939.52 210.80 105.40	468.62
23 21 13 23-2463 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2397)		
23 21 13 23-2464 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	32.07 9.10	20.16
23 21 13 23-2465 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	42.68 11.28	25.10
23 21 13 23-2466 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	61.20 15.96	35.53
23 21 13 23-2467 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	70.89 18.00	40.04
23 21 13 23-2468 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	91.77 22.86	50.89
23 21 13 23-2469 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	139.76 33.84	75.29
23 21 13 23-2470 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	191.27 44.52	98.97
23 21 13 23-2471 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	235.67 52.87	117.58
23 21 13 23-2472 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	267.33 60.42	134.35
23 21 13 23-2473 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	381.32 70.49	156.77
23 21 13 23-2474 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	585.97 81.89	182.01
23 21 13 23-2475 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2397)		
23 21 13 23-2476 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	23.32 6.82	15.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2477 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	33.57 9.10	20.16
23 21 13 23-2478 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.68 11.28	25.10
23 21 13 23-2479 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	63.53 15.96	35.53
23 21 13 23-2480 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	72.98 18.00	40.04
23 21 13 23-2481 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	92.10 22.86	50.89
23 21 13 23-2482 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	146.42 33.84	75.29
23 21 13 23-2483 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	210.67 44.52	98.97
23 21 13 23-2484 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	271.97 52.87	117.58
23 21 13 23-2485 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2397)</small>		
23 21 13 23-2486 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.82 6.82	15.22
23 21 13 23-2487 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	38.14 9.10	20.16
23 21 13 23-2488 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	51.25 11.28	25.10
23 21 13 23-2489 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	69.19 15.96	35.53
23 21 13 23-2490 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	82.97 18.00	40.04
23 21 13 23-2491 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	106.17 22.86	50.89
23 21 13 23-2492 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	146.92 33.84	75.29
23 21 13 23-2493 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	186.28 44.52	98.97
23 21 13 23-2494 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	243.58 52.87	117.58
23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2397)</small>		
23 21 13 23-2496 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	27.90 6.82	15.22
23 21 13 23-2497 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	37.98 9.10	20.16
23 21 13 23-2498 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	48.92 11.28	25.10
23 21 13 23-2499 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	71.61 15.96	35.53
23 21 13 23-2500 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	82.55 18.00	40.04
23 21 13 23-2501 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	115.49 22.86	50.89
23 21 13 23-2502 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	174.89 33.84	75.29
23 21 13 23-2503 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	218.33 44.52	98.97
23 21 13 23-2504 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	296.44 52.87	117.58
23 21 13 23-2505 Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2397)</small>		
23 21 13 23-2506 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.23 6.82 3.41	15.22
23 21 13 23-2507 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.73 9.10 4.55	20.16
23 21 13 23-2508 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.26 11.28 5.64	25.10
23 21 13 23-2509 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	64.95 15.96 7.98	35.53
23 21 13 23-2510 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	72.64 18.00 9.00	40.04
23 21 13 23-2511 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	89.69 22.86 11.43	50.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2512 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	146.17	75.29
For Work In Restricted Working Space, Add	33.84	
For Threaded Fittings, Add	16.92	
23 21 13 23-2513 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	186.78	98.97
For Work In Restricted Working Space, Add	44.52	
For Threaded Fittings, Add	22.26	
23 21 13 23-2514 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	224.35	117.58
For Work In Restricted Working Space, Add	52.87	
For Threaded Fittings, Add	26.43	
23 21 13 23-2515 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	304.88	134.35
For Work In Restricted Working Space, Add	60.42	
For Threaded Fittings, Add	30.21	
23 21 13 23-2516 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	375.83	156.77
For Work In Restricted Working Space, Add	70.49	
For Threaded Fittings, Add	35.25	
23 21 13 23-2517 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	668.10	168.05
For Work In Restricted Working Space, Add	75.56	
For Threaded Fittings, Add	37.78	
23 21 13 23-2518 Schedule 80 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2397)</small>		
23 21 13 23-2519 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	49.92	25.10
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-2520 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	59.72	30.31
For Work In Restricted Working Space, Add	13.64	
23 21 13 23-2521 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions	76.22	40.04
For Work In Restricted Working Space, Add	18.00	
23 21 13 23-2522 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	116.83	50.89
For Work In Restricted Working Space, Add	22.86	
23 21 13 23-2523 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	143.23	60.63
For Work In Restricted Working Space, Add	27.29	
23 21 13 23-2524 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions	183.64	75.29
For Work In Restricted Working Space, Add	33.84	
23 21 13 23-2525 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	280.31	98.97
For Work In Restricted Working Space, Add	44.52	
23 21 13 23-2526 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions	346.26	117.58
For Work In Restricted Working Space, Add	52.87	
23 21 13 23-2527 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions	440.84	156.77
For Work In Restricted Working Space, Add	70.49	
23 21 13 23-2528 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions	578.35	202.17
For Work In Restricted Working Space, Add	90.92	
23 21 13 23-2529 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions	829.94	250.66
For Work In Restricted Working Space, Add	112.72	
23 21 13 23-2530 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,214.48	310.72
For Work In Restricted Working Space, Add	139.75	
23 21 13 23-2531 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions <small>(23 21 13 23-2397)</small>		
23 21 13 23-2532 EA 1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	54.41	31.32
23 21 13 23-2533 EA 3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	64.65	36.23
23 21 13 23-2534 EA 1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	78.03	42.72
23 21 13 23-2535 EA 1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	102.72	50.89
23 21 13 23-2536 EA 1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	123.64	60.63
23 21 13 23-2537 EA 2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	162.70	75.29
23 21 13 23-2538 EA 3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	345.26	145.92
23 21 13 23-2539 EA 4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	375.29	161.85
23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2397)</small>		
23 21 13 23-2541 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	17.98	6.77
For Work In Restricted Working Space, Add	3.07	
For Threaded Fittings, Add	1.54	
23 21 13 23-2542 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	21.81	9.02
For Work In Restricted Working Space, Add	4.10	
For Threaded Fittings, Add	2.05	
23 21 13 23-2543 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps	31.39	11.14
For Work In Restricted Working Space, Add	5.07	
For Threaded Fittings, Add	2.54	
23 21 13 23-2544 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	41.42	15.79
For Work In Restricted Working Space, Add	7.18	
For Threaded Fittings, Add	3.59	
23 21 13 23-2545 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	44.48	17.77
For Work In Restricted Working Space, Add	8.10	
For Threaded Fittings, Add	4.05	
23 21 13 23-2546 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps	60.51	22.70
For Work In Restricted Working Space, Add	10.29	
For Threaded Fittings, Add	5.14	
23 21 13 23-2547 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	104.61	33.56
For Work In Restricted Working Space, Add	15.23	
For Threaded Fittings, Add	7.61	
23 21 13 23-2548 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps	132.63	44.12
For Work In Restricted Working Space, Add	20.03	
For Threaded Fittings, Add	10.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2549 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	185.20 23.79 11.90	52.30
23 21 13 23-2550 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	353.70 27.19 13.59	59.77
23 21 13 23-2551 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	467.13 31.72 15.86	69.79
23 21 13 23-2552 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	823.08 47.30 23.65	104.05
23 21 13 23-2553 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2397)</small>		
23 21 13 23-2554 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	61.49 11.28 5.64	25.10
23 21 13 23-2555 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.12 13.64 6.82	30.31
23 21 13 23-2556 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	88.55 18.00 9.00	40.04
23 21 13 23-2557 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	105.59 22.86 11.43	50.89
23 21 13 23-2558 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	121.00 27.29 13.64	60.63
23 21 13 23-2559 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	152.75 33.84 16.92	75.29
23 21 13 23-2560 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	210.09 44.52 22.26	98.97
23 21 13 23-2561 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	244.33 52.87 26.43	117.58
23 21 13 23-2562 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	321.22 70.49 35.25	156.77
23 21 13 23-2563 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	438.67 90.92 45.46	202.17
23 21 13 23-2564 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	681.68 112.72 56.36	250.66
23 21 13 23-2565 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,155.38 139.75 69.87	310.72
23 21 13 23-2566 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2234)</small> Note: In place pipe.		
23 21 13 23-2567 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.66 2.30	
23 21 13 23-2568 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.27 2.48	
23 21 13 23-2569 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.30 2.79	
23 21 13 23-2570 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.76 2.93	
23 21 13 23-2571 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.33 3.10	
23 21 13 23-2572 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.37 3.41	
23 21 13 23-2573 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	12.25 3.68	
23 21 13 23-2574 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	14.48 4.34	
23 21 13 23-2575 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	19.52 5.86	
23 21 13 23-2576 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	27.90 8.37	
23 21 13 23-2577 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	37.21 11.16	
23 21 13 23-2578 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	45.49 13.65	
23 21 13 23-2579 Polyethylene Pipe And Fittings <small>(23 21 13 23)</small>		
23 21 13 23-2580 Small Diameter Tubing <small>(23 21 13 23-2579)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2581			Tubing (23 21 13 23-2580)		
23 21 13 23-2582	LF		1/4" Polyethylene Tubing.....	4.53	
			<i>For Work In Restricted Working Space, Add</i>	1.28	
23 21 13 23-2583	LF		5/16" Polyethylene Tubing.....	4.86	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
23 21 13 23-2584	LF		3/8" Polyethylene Tubing.....	5.10	
			<i>For Work In Restricted Working Space, Add</i>	1.33	
23 21 13 23-2585	LF		1/2" Polyethylene Tubing.....	5.29	
			<i>For Work In Restricted Working Space, Add</i>	1.44	
23 21 13 23-2586			Chrome Plated Pipe (23 21 13 23)		
23 21 13 23-2587			Chrome Plated Nipples (23 21 13 23-2586)		
23 21 13 23-2588			Close (23 21 13 23-2587)		
23 21 13 23-2589	EA		1/4" Diameter Chrome Plated Nipple, Close.....	25.29	12.25
23 21 13 23-2590	EA		3/8" Diameter Chrome Plated Nipple, Close.....	24.84	13.32
23 21 13 23-2591	EA		1/2" Diameter Chrome Plated Nipple, Close.....	30.38	15.31
23 21 13 23-2592	EA		3/4" Diameter Chrome Plated Nipple, Close.....	39.57	19.45
23 21 13 23-2593	EA		1" Diameter Chrome Plated Nipple, Close.....	52.80	25.57
23 21 13 23-2594	EA		1-1/4" Diameter Chrome Plated Nipple, Close.....	74.61	35.67
23 21 13 23-2595	EA		1-1/2" Diameter Chrome Plated Nipple, Close.....	90.31	41.81
23 21 13 23-2596	EA		2" Diameter Chrome Plated Nipple, Close.....	115.60	52.06
23 21 13 23-2597			1-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2598	EA		1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	26.87	12.71
23 21 13 23-2599	EA		3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	26.13	13.78
23 21 13 23-2600	EA		1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	31.19	15.77
23 21 13 23-2601	EA		3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	40.90	19.90
23 21 13 23-2602			2" Nipples (23 21 13 23-2587)		
23 21 13 23-2603	EA		1/4" Diameter, 2" Length, Chrome Plated Nipple.....	27.96	13.32
23 21 13 23-2604	EA		3/8" Diameter, 2" Length, Chrome Plated Nipple.....	27.05	14.24
23 21 13 23-2605	EA		1/2" Diameter, 2" Length, Chrome Plated Nipple.....	33.30	16.38
23 21 13 23-2606	EA		3/4" Diameter, 2" Length, Chrome Plated Nipple.....	42.73	20.37
23 21 13 23-2607	EA		1" Diameter, 2" Length, Chrome Plated Nipple.....	55.65	26.49
23 21 13 23-2608	EA		1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	79.00	36.75
23 21 13 23-2609	EA		1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	95.33	42.87
23 21 13 23-2610			2-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2611	EA		1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	29.45	13.78
23 21 13 23-2612	EA		3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	28.03	14.86
23 21 13 23-2613	EA		1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	34.65	16.85
23 21 13 23-2614	EA		3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	43.76	20.98
23 21 13 23-2615	EA		1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	57.13	27.10
23 21 13 23-2616	EA		1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	83.05	37.21
23 21 13 23-2617	EA		1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	100.65	43.33
23 21 13 23-2618	EA		2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	127.37	53.60
23 21 13 23-2619			3" Nipples (23 21 13 23-2587)		
23 21 13 23-2620	EA		1/4" Diameter, 3" Length, Chrome Plated Nipple.....	30.66	14.24
23 21 13 23-2621	EA		3/8" Diameter, 3" Length, Chrome Plated Nipple.....	29.55	15.31
23 21 13 23-2622	EA		1/2" Diameter, 3" Length, Chrome Plated Nipple.....	34.09	16.38
23 21 13 23-2623	EA		3/4" Diameter, 3" Length, Chrome Plated Nipple.....	46.76	21.44
23 21 13 23-2624	EA		1" Diameter, 3" Length, Chrome Plated Nipple.....	63.04	27.56
23 21 13 23-2625	EA		1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	87.44	37.83
23 21 13 23-2626	EA		1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	112.91	43.95
23 21 13 23-2627	EA		2" Diameter, 3" Length, Chrome Plated Nipple.....	137.01	54.21
23 21 13 23-2628			3-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2629	EA		1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	32.00	14.86
23 21 13 23-2630	EA		3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	31.97	15.77
23 21 13 23-2631	EA		1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	37.50	17.91
23 21 13 23-2632	EA		3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	51.11	21.89
23 21 13 23-2633	EA		1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	65.45	28.03
23 21 13 23-2634	EA		1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	95.85	38.28
23 21 13 23-2635	EA		1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	116.71	44.41
23 21 13 23-2636	EA		2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	144.73	54.66
23 21 13 23-2637			4" Nipples (23 21 13 23-2587)		
23 21 13 23-2638	EA		1/4" Diameter, 4" Length, Chrome Plated Nipple.....	33.33	15.31
23 21 13 23-2639	EA		3/8" Diameter, 4" Length, Chrome Plated Nipple.....	32.83	16.38
23 21 13 23-2640	EA		1/2" Diameter, 4" Length, Chrome Plated Nipple.....	37.57	17.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2641 EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	52.94	22.51
23 21 13 23-2642 EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	67.75	28.64
23 21 13 23-2643 EA 1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	102.32	38.74
23 21 13 23-2644 EA 1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	124.34	44.87
23 21 13 23-2645 EA 2" Diameter, 4" Length, Chrome Plated Nipple.....	154.11	55.13
23 21 13 23-2646 4-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2647 EA 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	34.54	15.77
23 21 13 23-2648 EA 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	35.26	16.85
23 21 13 23-2649 EA 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	41.14	18.84
23 21 13 23-2650 EA 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	55.03	22.97
23 21 13 23-2651 EA 1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	75.20	29.09
23 21 13 23-2652 EA 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	108.52	39.35
23 21 13 23-2653 EA 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	127.84	45.48
23 21 13 23-2654 EA 2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	162.75	55.74
23 21 13 23-2655 5" Nipples (23 21 13 23-2587)		
23 21 13 23-2656 EA 1/4" Diameter, 5" Length, Chrome Plated Nipple.....	38.18	16.38
23 21 13 23-2657 EA 3/8" Diameter, 5" Length, Chrome Plated Nipple.....	36.86	17.30
23 21 13 23-2658 EA 1/2" Diameter, 5" Length, Chrome Plated Nipple.....	42.56	19.45
23 21 13 23-2659 EA 3/4" Diameter, 5" Length, Chrome Plated Nipple.....	57.03	23.43
23 21 13 23-2660 EA 1" Diameter, 5" Length, Chrome Plated Nipple.....	79.80	29.55
23 21 13 23-2661 EA 1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	114.18	39.82
23 21 13 23-2662 EA 1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	135.51	45.94
23 21 13 23-2663 EA 2" Diameter, 5" Length, Chrome Plated Nipple.....	168.40	56.20
23 21 13 23-2664 5-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2665 EA 1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	39.40	16.85
23 21 13 23-2666 EA 3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	38.16	17.91
23 21 13 23-2667 EA 1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	46.18	19.90
23 21 13 23-2668 EA 3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	59.02	24.04
23 21 13 23-2669 EA 1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	82.31	30.17
23 21 13 23-2670 EA 1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	121.00	40.27
23 21 13 23-2671 EA 1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	141.64	46.40
23 21 13 23-2672 EA 2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	175.55	56.66
23 21 13 23-2673 6" Nipples (23 21 13 23-2587)		
23 21 13 23-2674 EA 1/4" Diameter, 6" Length, Chrome Plated Nipple.....	40.83	17.30
23 21 13 23-2675 EA 3/8" Diameter, 6" Length, Chrome Plated Nipple.....	38.97	18.38
23 21 13 23-2676 EA 1/2" Diameter, 6" Length, Chrome Plated Nipple.....	47.51	20.37
23 21 13 23-2677 EA 3/4" Diameter, 6" Length, Chrome Plated Nipple.....	60.69	24.50
23 21 13 23-2678 EA 1" Diameter, 6" Length, Chrome Plated Nipple.....	89.53	30.63
23 21 13 23-2679 EA 1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	125.26	40.88
23 21 13 23-2680 EA 1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	151.00	47.01
23 21 13 23-2681 EA 2" Diameter, 6" Length, Chrome Plated Nipple.....	182.11	57.27
23 21 13 23-2682 8" Nipples (23 21 13 23-2587)		
23 21 13 23-2683 EA 3/8" Diameter, 8" Length, Chrome Plated Nipple.....	45.61	19.45
23 21 13 23-2684 EA 1/2" Diameter, 8" Length, Chrome Plated Nipple.....	64.87	21.44
23 21 13 23-2685 EA 3/4" Diameter, 8" Length, Chrome Plated Nipple.....	78.68	25.57
23 21 13 23-2686 EA 1" Diameter, 8" Length, Chrome Plated Nipple.....	103.78	31.69
23 21 13 23-2687 EA 1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	147.64	41.81
23 21 13 23-2688 EA 1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	180.16	47.93
23 21 13 23-2689 EA 2" Diameter, 8" Length, Chrome Plated Nipple.....	221.65	58.19
23 21 13 23-2690 10" Nipples (23 21 13 23-2587)		
23 21 13 23-2691 EA 3/8" Diameter, 10" Length, Chrome Plated Nipple.....	51.57	19.45
23 21 13 23-2692 EA 1/2" Diameter, 10" Length, Chrome Plated Nipple.....	72.38	21.44
23 21 13 23-2693 EA 3/4" Diameter, 10" Length, Chrome Plated Nipple.....	87.38	25.57
23 21 13 23-2694 EA 1" Diameter, 10" Length, Chrome Plated Nipple.....	116.95	31.69
23 21 13 23-2695 EA 1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	175.84	41.81
23 21 13 23-2696 EA 1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	201.63	47.93
23 21 13 23-2697 EA 2" Diameter, 10" Length, Chrome Plated Nipple.....	255.97	58.19
23 21 13 23-2698 12" Nipples (23 21 13 23-2587)		
23 21 13 23-2699 EA 3/8" Diameter, 12" Length, Chrome Plated Nipple.....	57.48	21.44
23 21 13 23-2700 EA 1/2" Diameter, 12" Length, Chrome Plated Nipple.....	75.78	22.51
23 21 13 23-2701 EA 3/4" Diameter, 12" Length, Chrome Plated Nipple.....	95.94	26.49
23 21 13 23-2702 EA 1" Diameter, 12" Length, Chrome Plated Nipple.....	136.07	33.68
23 21 13 23-2703 EA 1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	196.21	43.95
23 21 13 23-2704 EA 2" Diameter, 12" Length, Chrome Plated Nipple.....	286.56	60.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 21 13 23-2705		18" Nipples <small>(23 21 13 23-2587)</small>		
23 21 13 23-2706	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple.....	71.58	22.51
23 21 13 23-2707		24" Nipples <small>(23 21 13 23-2587)</small>		
23 21 13 23-2708	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple.....	85.11	23.43
23 21 13 23-2709		30" Nipples <small>(23 21 13 23-2587)</small>		
23 21 13 23-2710	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple.....	93.87	24.50
23 21 13 23-2711		36" Nipples <small>(23 21 13 23-2587)</small>		
23 21 13 23-2712	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple.....	102.64	25.57
23 21 13 23-2713		Chrome Plated Fittings <small>(23 21 13 23-2586)</small>		
23 21 13 23-2714		Chrome Plated 90 Degree Elbows <small>(23 21 13 23-2713)</small>		
23 21 13 23-2715	EA	1/4" 90 Degree Elbow, Chrome Plated.....	31.47	14.24
23 21 13 23-2716	EA	3/8" 90 Degree Elbow, Chrome Plated.....	32.36	15.31
23 21 13 23-2717	EA	1/2" 90 Degree Elbow, Chrome Plated.....	36.10	16.38
23 21 13 23-2718	EA	3/4" 90 Degree Elbow, Chrome Plated.....	46.28	21.44
23 21 13 23-2719	EA	1" 90 Degree Elbow, Chrome Plated.....	62.30	27.56
23 21 13 23-2720	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	94.23	37.83
23 21 13 23-2721	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	112.69	43.95
23 21 13 23-2722	EA	2" 90 Degree Elbow, Chrome Plated.....	152.21	54.21
23 21 13 23-2723		Chrome Plated Street 90 Degree Elbows <small>(23 21 13 23-2713)</small>		
23 21 13 23-2724	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	35.68	14.24
23 21 13 23-2725	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	36.97	15.31
23 21 13 23-2726	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	39.31	16.38
23 21 13 23-2727	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	51.01	21.44
23 21 13 23-2728	EA	1" Street 90 Degree Elbow, Chrome Plated.....	71.03	27.56
23 21 13 23-2729	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated.....	103.18	37.83
23 21 13 23-2730	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated.....	125.22	43.95
23 21 13 23-2731	EA	2" Street 90 Degree Elbow, Chrome Plated.....	181.68	54.21
23 21 13 23-2732		Chrome Plated 45 Degree Elbows <small>(23 21 13 23-2713)</small>		
23 21 13 23-2733	EA	1/4" 45 Degree Elbow, Chrome Plated.....	32.40	14.24
23 21 13 23-2734	EA	3/8" 45 Degree Elbow, Chrome Plated.....	33.69	15.31
23 21 13 23-2735	EA	1/2" 45 Degree Elbow, Chrome Plated.....	37.05	16.38
23 21 13 23-2736	EA	3/4" 45 Degree Elbow, Chrome Plated.....	49.89	21.44
23 21 13 23-2737	EA	1" 45 Degree Elbow, Chrome Plated.....	66.34	27.56
23 21 13 23-2738	EA	1-1/4" 45 Degree Elbow, Chrome Plated.....	99.09	37.83
23 21 13 23-2739	EA	1-1/2" 45 Degree Elbow, Chrome Plated.....	119.18	43.95
23 21 13 23-2740	EA	2" 45 Degree Elbow, Chrome Plated.....	170.04	54.21
23 21 13 23-2741		Chrome Plated Street 45 Degree Elbows <small>(23 21 13 23-2713)</small>		
23 21 13 23-2742	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	42.83	16.38
23 21 13 23-2743		Chrome Plated Couplings <small>(23 21 13 23-2713)</small>		
23 21 13 23-2744	EA	1/4" Coupling, Chrome Plated.....	30.90	14.24
23 21 13 23-2745	EA	3/8" Coupling, Chrome Plated.....	32.43	15.31
23 21 13 23-2746	EA	1/2" Coupling, Chrome Plated.....	36.34	16.38
23 21 13 23-2747	EA	3/4" Coupling, Chrome Plated.....	46.37	21.44
23 21 13 23-2748	EA	1" Coupling, Chrome Plated.....	60.31	27.56
23 21 13 23-2749	EA	1-1/4" Coupling, Chrome Plated.....	86.97	37.83
23 21 13 23-2750	EA	1-1/2" Coupling, Chrome Plated.....	106.60	43.95
23 21 13 23-2751	EA	2" Coupling, Chrome Plated.....	144.77	54.21
23 21 13 23-2752		Chrome Plated Unions <small>(23 21 13 23-2713)</small>		
23 21 13 23-2753	EA	1/4" Union, Chrome Plated.....	47.34	16.38
23 21 13 23-2754	EA	3/8" Union, Chrome Plated.....	48.90	17.30
23 21 13 23-2755	EA	1/2" Union, Chrome Plated.....	58.56	19.45
23 21 13 23-2756	EA	3/4" Union, Chrome Plated.....	73.13	25.57
23 21 13 23-2757	EA	1" Union, Chrome Plated.....	92.61	32.62
23 21 13 23-2758	EA	1-1/4" Union, Chrome Plated.....	147.07	43.95
23 21 13 23-2759	EA	1-1/2" Union, Chrome Plated.....	182.22	52.06
23 21 13 23-2760	EA	2" Union, Chrome Plated.....	236.20	63.40
23 21 13 23-2761		Chrome Plated Caps <small>(23 21 13 23-2713)</small>		
23 21 13 23-2762	EA	1/4" Cap, Chrome Plated.....	19.94	7.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2763 EA 3/8" Cap, Chrome Plated.....	20.70	7.66
23 21 13 23-2764 EA 1/2" Cap, Chrome Plated.....	23.45	8.11
23 21 13 23-2765 EA 3/4" Cap, Chrome Plated.....	29.43	10.72
23 21 13 23-2766 EA 1" Cap, Chrome Plated.....	35.33	13.78
23 21 13 23-2767 EA 1-1/4" Cap, Chrome Plated.....	51.66	18.84
23 21 13 23-2768 EA 1-1/2" Cap, Chrome Plated.....	67.05	21.89
23 21 13 23-2769 EA 2" Cap, Chrome Plated.....	96.86	28.64
23 21 13 23-2770 Chrome Plated Plugs (23 21 13 23-2713)		
23 21 13 23-2771 EA 1/4" Plug, Chrome Plated.....	16.73	7.20
23 21 13 23-2772 EA 3/8" Plug, Chrome Plated.....	17.49	7.66
23 21 13 23-2773 EA 1/2" Plug, Chrome Plated.....	20.07	8.11
23 21 13 23-2774 EA 3/4" Plug, Chrome Plated.....	27.03	10.72
23 21 13 23-2775 EA 1" Plug, Chrome Plated.....	33.51	13.78
23 21 13 23-2776 EA 1-1/4" Plug, Chrome Plated.....	45.33	18.84
23 21 13 23-2777 EA 1-1/2" Plug, Chrome Plated.....	55.48	21.89
23 21 13 23-2778 EA 2" Plug, Chrome Plated.....	76.72	28.64
23 21 13 23-2779 Chrome Plated Tees (23 21 13 23-2713)		
23 21 13 23-2780 EA 1/4" Chrome Plated Tee.....	44.26	21.44
23 21 13 23-2781 EA 3/8" Chrome Plated Tee.....	47.32	23.43
23 21 13 23-2782 EA 1/2" Chrome Plated Tee.....	52.52	25.57
23 21 13 23-2783 EA 3/4" Chrome Plated Tee.....	65.37	31.69
23 21 13 23-2784 EA 1" Chrome Plated Tee.....	91.53	40.88
23 21 13 23-2785 EA 1-1/4" Chrome Plated Tee.....	126.13	56.20
23 21 13 23-2786 EA 1-1/2" Chrome Plated Tee.....	159.26	65.39
23 21 13 23-2787 EA 2" Chrome Plated Tee.....	215.43	80.70
23 21 13 23-2788 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2713)		
23 21 13 23-2789 EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	50.38	25.57
23 21 13 23-2790 EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	59.57	31.69
23 21 13 23-2791 Chrome Plated Bell Reducers (23 21 13 23-2713)		
23 21 13 23-2792 EA 1/2" x 3/8" Bell Reducer, Chrome Plated.....	54.25	25.57
23 21 13 23-2793 EA 3/4" x 1/2" Bell Reducer, Chrome Plated.....	66.25	31.69
23 21 13 23-2794 EA 1" x 1/2" Bell Reducer, Chrome Plated.....	84.39	40.88
23 21 13 23-2795 Chrome Plated Reducing Tees (23 21 13 23-2713)		
23 21 13 23-2796 EA 3/4" x 1/2" Reducing Tee, Chrome Plated.....	71.17	31.69
23 21 13 23-2797 Chrome Plated Bushings (23 21 13 23-2713)		
23 21 13 23-2798 EA 3/8" x 1/4" Bushing, Chrome Plated.....	16.64	7.20
23 21 13 23-2799 EA 1/2" x 1/4" Bushing, Chrome Plated.....	17.90	7.66
23 21 13 23-2800 EA 1/2" x 3/8" Bushing, Chrome Plated.....	18.67	8.11
23 21 13 23-2801 EA 3/4" x 1/2" Bushing, Chrome Plated.....	23.84	10.72
23 21 13 23-2802 EA 1" x 3/4" Bushing, Chrome Plated.....	34.12	13.78
23 21 13 23-2803 EA 1-1/4" x 1" Bushing, Chrome Plated.....	49.49	18.84
23 21 13 23-2804 Aluminum Tubing Assemblies (23 21 13 23)		
Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2805 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	13.33	5.36
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2806 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly.....	15.19	6.12
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2807 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly.....	16.92	6.90
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2808 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly.....	18.52	7.66
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2809 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	20.52	8.42
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2810 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly.....	23.50	9.19
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2811 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	27.47	10.57
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2812 LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly.....	33.66	11.99
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2813 LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	38.95	13.39
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2814 LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly.....	46.40	14.10
23 21 16 Hydronic Piping Specialties (23 21)		
23 21 16 00-0001 Vent Valves (23 21 16)		
23 21 16 00-0002 EA 1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	92.46	22.98
23 21 16 00-0003 EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	210.17	24.71
23 21 16 00-0004 EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75).....	200.84	24.71
23 21 16 00-0005 EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	207.37	24.71
23 21 16 00-0006 EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78).....	264.49	24.71
23 21 16 00-0007 EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79).....	198.28	24.71
23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)		
23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0010 EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	321.59	38.52
For Flanged Inlet, Add	114.91	
23 21 16 00-0011 EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	365.51	45.66
For Flanged Inlet, Add	123.35	
23 21 16 00-0012 EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	457.69	52.79
For Flanged Inlet, Add	166.42	
23 21 16 00-0013 EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	672.43	59.92
For Flanged Inlet, Add	292.80	
23 21 16 00-0014 EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	761.36	71.34
For Flanged Inlet, Add	323.67	
23 21 16 00-0015 EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	1,052.31	89.90
For Flanged Inlet, Add	473.01	
23 21 16 00-0016 EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	2,326.59	118.43
For Flanged Inlet, Add	1,258.67	
23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,296.20	38.52
For Flanged Inlet, Add	777.64	
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,569.83	45.66
For Flanged Inlet, Add	942.29	
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	2,278.15	52.79
For Flanged Inlet, Add	1,404.33	
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	2,307.03	59.92
For Flanged Inlet, Add	1,404.33	
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	3,366.66	71.34
For Flanged Inlet, Add	2,095.28	
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	3,438.00	89.90
For Flanged Inlet, Add	2,095.28	
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	5,766.94	118.43
For Flanged Inlet, Add	3,598.10	
23 21 16 00-0025 Y-Type Strainers (23 21 16)		
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	92.55	17.15
For Galvanized Body, Add	21.77	
For Work In Restricted Working Space, Add	14.71	
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	93.31	17.47
For Galvanized Body, Add	21.77	
For Work In Restricted Working Space, Add	14.93	
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	119.36	23.59
For Galvanized Body, Add	25.98	
For Work In Restricted Working Space, Add	20.22	
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	150.63	28.18
For Galvanized Body, Add	35.11	
For Work In Restricted Working Space, Add	24.13	
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	195.76	34.85
For Galvanized Body, Add	48.10	
For Work In Restricted Working Space, Add	29.87	
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	223.08	37.53
For Galvanized Body, Add	57.93	
For Work In Restricted Working Space, Add	32.17	
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	300.88	42.89
For Galvanized Body, Add	89.17	
For Work In Restricted Working Space, Add	36.76	
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	554.10	53.61
For Galvanized Body, Add	200.46	
For Work In Restricted Working Space, Add	45.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	715.27 261.90 57.44	67.09
23 21 16 00-0036 Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	382.28 90.37 60.47	160.84
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	450.88 97.79 76.59	204.19
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	792.15 233.12 97.77	260.40
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,076.15 264.55 164.12	436.55
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,140.70 295.97 164.63	439.69
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,348.03 367.58 183.86	488.55
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,223.36 723.94 232.64	624.26
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,177.02 1,613.53 284.99	759.97
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,712.51 1,677.72 407.12	678.55
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.52 55.66 14.93	17.47
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.96 72.35 20.22	23.59
23 21 16 00-0049 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.03 91.14 24.13	28.18
23 21 16 00-0050 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.69 114.10 29.87	34.85
23 21 16 00-0051 EA 1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.40 148.19 32.17	37.53
23 21 16 00-0052 EA 2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.14 240.72 36.76	42.89
23 21 16 00-0053 EA 2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	386.86 397.26 45.95	53.61
23 21 16 00-0054 EA 3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	675.97 823.65 57.44	67.09
23 21 16 00-0055 EA 4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,149.27 1,563.15 68.93	80.42
23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057 EA 2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	662.00 244.02 76.59	204.19
23 21 16 00-0058 EA 2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	692.88 248.62 83.55	222.11
23 21 16 00-0059 EA 3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	800.40 284.69 97.77	260.40
23 21 16 00-0060 EA 4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,699.99 691.76 164.12	436.55
23 21 16 00-0061 EA 6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,360.53 1,048.59 183.86	488.55

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0062	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,757.98 1,789.50 232.64	624.26
23 21 16 00-0063	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,654.57 6,422.77 284.99	759.97
23 21 16 00-0064			Cast Iron Body, Suction Diffusers <small>(23 21 16)</small> Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065	EA		2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	562.39 29.55	60.35
23 21 16 00-0066	EA		2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	591.86 32.82	66.94
23 21 16 00-0067	EA		2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	602.02 34.48	70.31
23 21 16 00-0068	EA		2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,150.63 83.55	222.11
23 21 16 00-0069	EA		3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	625.20 40.04	81.80
23 21 16 00-0070	EA		3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	704.06 40.04	81.80
23 21 16 00-0071	EA		3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,206.81 90.66	241.77
23 21 16 00-0072	EA		3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,235.15 97.77	260.40
23 21 16 00-0073	EA		4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,508.09 130.95	349.19
23 21 16 00-0074	EA		4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,781.02 164.12	436.55
23 21 16 00-0075	EA		6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,023.96 164.63	439.02
23 21 16 00-0076	EA		6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,435.99 183.86	488.55
23 21 16 00-0077	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,770.23 232.64	624.26
23 21 16 00-0078	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,203.67 232.64	624.26
23 21 16 00-0079	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,814.21 284.99	759.97
23 21 16 00-0080	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	5,598.20 284.99	759.97
23 21 16 00-0081			Duplex Strainers <small>(23 21 16)</small>		
23 21 16 00-0082			Iron Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0083			Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0084	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	911.18 22.90	38.14
23 21 16 00-0085	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,017.89 26.21	43.66
23 21 16 00-0086	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,376.59 30.77	51.31
23 21 16 00-0087	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,729.34 33.55	55.91
23 21 16 00-0088	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,315.21 41.03	68.16
23 21 16 00-0089	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,913.93 52.37	87.31
23 21 16 00-0090			Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0091	EA		2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,168.58 76.59	204.19
23 21 16 00-0092	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,278.75 83.55	222.11
23 21 16 00-0093	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,195.79 97.77	260.40
23 21 16 00-0094	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,572.11 145.40	386.77
23 21 16 00-0095	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	12,787.77 183.86	488.55
23 21 16 00-0096	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	24,255.62 232.64	624.26
23 21 16 00-0097	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	33,474.31 284.99	759.97
23 21 16 00-0098	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	38,093.61 575.04	958.11
23 21 16 00-0099	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	45,186.68 407.12	1,085.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0100 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	56,453.73 447.84	1,194.23
23 21 16 00-0101 Bronze Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0102 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0101) <small>Note: With brass or stainless steel basket.</small>		
23 21 16 00-0103 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,685.15 22.90	38.29
23 21 16 00-0104 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,870.13 26.21	43.66
23 21 16 00-0105 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,733.22 30.77	51.31
23 21 16 00-0106 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,590.36 33.55	55.91
23 21 16 00-0107 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,637.13 41.03	68.16
23 21 16 00-0108 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,696.76 52.37	87.31
23 21 16 00-0109 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0101) <small>Note: With brass or stainless steel basket.</small>		
23 21 16 00-0110 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,516.67 76.59	204.19
23 21 16 00-0111 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,713.81 83.55	222.11
23 21 16 00-0112 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,196.19 97.77	260.40
23 21 16 00-0113 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	14,485.79 145.40	386.77
23 21 16 00-0114 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	31,397.96 183.86	488.55
23 21 16 00-0115 Cast Steel Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0115) <small>Note: With brass or stainless steel basket.</small>		
23 21 16 00-0117 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,619.56 26.22	43.66
23 21 16 00-0118 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,225.56 30.77	51.31
23 21 16 00-0119 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,825.69 33.55	55.91
23 21 16 00-0120 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,467.20 41.03	68.16
23 21 16 00-0121 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0115) <small>Note: With brass or stainless steel basket.</small>		
23 21 16 00-0122 EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,627.93 76.59	204.19
23 21 16 00-0123 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	7,284.19 83.55	222.11
23 21 16 00-0124 EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,568.34 97.77	260.40
23 21 16 00-0125 EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	14,031.79 145.40	386.77
23 21 16 00-0126 EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	23,908.87 183.86	488.55
23 21 16 00-0127 EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	46,523.40 232.64	624.26
23 21 16 00-0128 Stainless Steel Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0129 Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0128) <small>Note: With stainless steel basket.</small>		
23 21 16 00-0130 EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,511.28 26.22	43.66
23 21 16 00-0131 EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	8,227.58 30.77	51.31
23 21 16 00-0132 EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,926.11 33.55	55.91
23 21 16 00-0133 EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	15,899.09 41.03	68.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0134 Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small> Note: With stainless steel basket.		
23 21 16 00-0135 EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	16,671.90 76.59	204.19
23 21 16 00-0136 EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	17,527.84 83.55	222.11
23 21 16 00-0137 EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	27,448.99 97.77	260.40
23 21 16 00-0138 EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	33,555.79 145.40	386.77
23 21 16 00-0139 EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	58,903.71 183.86	488.55
23 21 16 00-0140 EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	108,791.95 232.64	624.26
23 21 16 00-0141 Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0142 Screwed Ends, Iron Body, Water Pressure Reducing Valves <small>(23 21 16 00-0141)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0143 EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	246.49 22.97	19.14
23 21 16 00-0144 EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	301.64 25.52	21.44
23 21 16 00-0145 EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	392.02 27.02	22.97
23 21 16 00-0146 EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	660.21 30.63	25.72
23 21 16 00-0147 EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	892.41 36.75	30.63
23 21 16 00-0148 EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,281.67 56.39	46.95
23 21 16 00-0149 EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,395.81 63.44	52.86
23 21 16 00-0150 EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,534.30 70.49	152.97
23 21 16 00-0151 Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0141)</small> Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0151)</small>		
23 21 16 00-0153 EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	408.82 30.84	25.73
23 21 16 00-0154 EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	516.08 43.76	36.46
23 21 16 00-0155 EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	661.10 53.44	44.42
23 21 16 00-0156 EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	877.00 62.10	53.92
23 21 16 00-0157 EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,167.09 70.70	61.28
23 21 16 00-0158 EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,366.90 85.61	85.61
23 21 16 00-0159 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0151)</small> Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,055.17 77.83	206.89
23 21 16 00-0161 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,794.33 91.08	242.56
23 21 16 00-0162 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,909.17 152.87	406.65
23 21 16 00-0163 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	12,022.56 169.24	449.69
23 21 16 00-0164 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0141)</small>		
23 21 16 00-0165 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0164)</small>		
23 21 16 00-0166 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,191.43 28.03	18.69
23 21 16 00-0167 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,236.93 28.03	18.69
23 21 16 00-0168 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,387.83 35.39	23.59
23 21 16 00-0169 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,809.25 45.03	30.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0170 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,216.45 51.93	34.62
23 21 16 00-0171 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,985.19 61.12	40.74
23 21 16 00-0172 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0164)		
23 21 16 00-0173 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	4,925.57 77.83	206.89
23 21 16 00-0174 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	6,071.81 91.08	242.56
23 21 16 00-0175 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	9,209.94 152.87	406.65
23 21 16 00-0176 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	20,083.06 169.24	449.69
23 21 16 00-0177 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0141)		
23 21 16 00-0178 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	274.43	19.90
23 21 16 00-0179 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	337.25	22.05
23 21 16 00-0180 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	441.67	23.43
23 21 16 00-0181 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	751.98	26.65
23 21 16 00-0182 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,018.96	31.85
23 21 16 00-0183 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,461.50	48.78
23 21 16 00-0184 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,583.49	53.15
23 21 16 00-0185 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,747.95	61.19
23 21 16 00-0186 Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0141)		
Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187 EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	221.44	19.14
23 21 16 00-0188 EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	243.53	21.44
23 21 16 00-0189 EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	299.53	23.73
23 21 16 00-0190 EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	687.88	25.72
23 21 16 00-0191 EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	747.90	30.63
23 21 16 00-0192 EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,174.32	46.95
23 21 16 00-0193 Dual Unit Reducing And Relief Valve (23 21 16)		
23 21 16 00-0194 EA 1/2" Dual Unit Reducing And Relief Valve	251.37	46.72
23 21 16 00-0195 Safety Relief Valve (23 21 16)		
Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196 Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0195)		
Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0197 EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	101.64	19.14
23 21 16 00-0198 EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	137.03	21.06
23 21 16 00-0199 EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve	194.62	25.65
23 21 16 00-0200 EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	247.51	27.18
23 21 16 00-0201 EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	340.08	36.37
23 21 16 00-0202 EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve	452.11	42.87
23 21 16 00-0203 EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	516.10	53.60
23 21 16 00-0204 Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)		
23 21 16 00-0205 EA 1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	110.21	39.05
<i>For Cast Iron Body, Add</i>		
	58.01	
23 21 16 00-0206 EA 3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	141.23	46.86
<i>For Cast Iron Body, Add</i>		
	80.83	
23 21 16 00-0207 EA 1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	205.07	62.47
<i>For Cast Iron Body, Add</i>		
	128.73	
23 21 16 00-0208 EA 1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	328.24	66.92
<i>For Cast Iron Body, Add</i>		
	273.58	
23 21 16 00-0209 EA 1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	541.13	75.04
<i>For Cast Iron Body, Add</i>		
	523.34	
23 21 16 00-0210 EA 2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	632.13	107.85
<i>For Cast Iron Body, Add</i>		
	569.88	
23 21 16 00-0211 Horizontal Steel Expansion Tanks (23 21 16)		
Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0212 EA 10 Gallon Horizontal Steel Expansion Tank	860.10	153.18
23 21 16 00-0213 EA 15 Gallon Horizontal Steel Expansion Tank	1,213.56	191.47
23 21 16 00-0214 EA 30 Gallon Horizontal Steel Expansion Tank	1,587.82	229.77
23 21 16 00-0215 EA 40 Gallon Horizontal Steel Expansion Tank	1,828.18	268.06
23 21 16 00-0216 EA 60 Gallon Horizontal Steel Expansion Tank	2,098.47	271.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0217	Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)	
Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0218 EA 7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,646.35	114.88
23 21 16 00-0219 EA 10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,725.80	134.04
23 21 16 00-0220 EA 21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,551.09	153.18
23 21 16 00-0221 EA 33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,662.03	172.32
23 21 16 00-0222 EA 44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,589.02	191.47
23 21 16 00-0223 EA 55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,789.55	210.62
23 21 16 00-0224 EA 68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,496.17	229.77
23 21 16 00-0225 EA 77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,812.94	248.91
23 21 16 00-0226 EA 90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,301.63	268.06
23 21 16 00-0227 EA 110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,465.40	306.36
23 21 16 00-0228 EA 132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,837.49	344.65
23 21 16 00-0229 EA 158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,834.25	382.95
23 21 16 00-0230 EA 211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	9,101.32	459.53
23 21 16 00-0231	Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)	
(23 21 16)		
Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0232 EA 8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,869.13	114.88
23 21 16 00-0233 EA 11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,936.47	134.04
23 21 16 00-0234 EA 22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,754.50	153.18
23 21 16 00-0235 EA 34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,945.34	172.32
23 21 16 00-0236 EA 44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,731.88	191.47
23 21 16 00-0237 EA 56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,929.99	210.62
23 21 16 00-0238 EA 67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,779.49	229.77
23 21 16 00-0239 EA 77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,166.48	248.91
23 21 16 00-0240 EA 91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,710.87	268.06
23 21 16 00-0241 EA 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,867.37	306.36
23 21 16 00-0242 EA 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,203.14	344.65
23 21 16 00-0243 EA 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,350.03	382.95
23 21 16 00-0244 EA 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,626.78	459.53
23 21 16 00-0245	Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)	
23 21 16 00-0246 EA 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1).....	109.77	14.10
23 21 16 00-0247 EA 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1).....	154.73	14.10
23 21 16 00-0248	Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)	
23 21 16 00-0249 EA 15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,418.44	459.69
23 21 16 00-0250 EA 20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,469.21	459.69
23 21 16 00-0251 EA 30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,519.98	459.69
23 21 16 00-0252 EA 40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,651.96	459.69
23 21 16 00-0253 EA 47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,003.45	612.56
23 21 16 00-0254 EA 60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,307.56	612.86
23 21 16 00-0255 EA 80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,367.87	612.86
23 21 16 00-0256 EA 87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,428.17	612.86
23 21 16 00-0257 EA 120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	3,083.15	765.89
23 21 16 00-0258 EA 187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	8,195.91	765.89
23 21 16 00-0259 EA 264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	10,398.42	918.76
23 21 16 00-0260	ASME Construction Compression Tanks (23 21 16)	
Note: With gauge glass taps. 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0261 EA 15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	1,275.52	269.60
<i>For Galvanized Steel Tanks, Add</i>		
	433.52	
23 21 16 00-0262 EA 24 Gallon, 13" x 51" ASME Construction Compression Tank.....	1,301.05	277.25
<i>For Galvanized Steel Tanks, Add</i>		
	439.91	
23 21 16 00-0263 EA 30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,416.85	286.44
<i>For Galvanized Steel Tanks, Add</i>		
	490.91	
23 21 16 00-0264 EA 40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,548.43	297.17
<i>For Galvanized Steel Tanks, Add</i>		
	548.28	
23 21 16 00-0265 EA 60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,800.91	314.01
<i>For Galvanized Steel Tanks, Add</i>		
	663.03	
23 21 16 00-0266 EA 80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,871.19	326.27
<i>For Galvanized Steel Tanks, Add</i>		
	688.54	
23 21 16 00-0267 EA 100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	2,309.83	355.37
<i>For Galvanized Steel Tanks, Add</i>		
	886.18	
23 21 16 00-0268 EA 120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	2,516.11	381.41
<i>For Galvanized Steel Tanks, Add</i>		
	969.04	
23 21 16 00-0269 EA 144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	3,124.33	430.43
<i>For Galvanized Steel Tanks, Add</i>		
	1,236.26	
23 21 16 00-0270 EA 180 Gallon, 30" x 60" ASME Construction Compression Tank.....	3,960.37	493.23
<i>For Galvanized Steel Tanks, Add</i>		
	1,606.58	
23 21 16 00-0271 EA 202 Gallon, 30" x 72" ASME Construction Compression Tank.....	4,737.65	546.85
<i>For Galvanized Steel Tanks, Add</i>		
	1,954.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0272 EA 230 Gallon, 30" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	5,180.49 2,139.72	594.33
23 21 16 00-0273 EA 280 Gallon, 30" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	6,529.99 2,770.87	652.54
23 21 16 00-0274 EA 306 Gallon, 30" x 108" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	6,740.64 2,842.12	696.96
23 21 16 00-0275 EA 340 Gallon, 36" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	8,664.65 3,765.00	749.04
23 21 16 00-0276 EA 550 Gallon, 36" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	14,378.12 6,523.07	879.24
23 21 16 00-0277 Compression Tank Air Fittings ^(23 21 16)		
23 21 16 00-0278 EA 9" To 24" Diameter Compression Tank Air Fittings.....	449.62	42.89
23 21 16 00-0279 EA >100 Gallon Compression Tank Air Fittings	1,536.36	50.55
23 21 16 00-0280 Thermostatic Radiator Valves ^(23 21 16) Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0281 EA 1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	96.88	24.71
23 21 16 00-0282 EA 3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	119.89	33.30
23 21 16 00-0283 EA 1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	157.15	40.32
23 21 16 00-0284 EA 1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	236.77	51.07
23 21 16 00-0285 EA 1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	96.88	24.71
23 21 16 00-0286 EA 3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	119.89	33.30
23 21 16 00-0287 EA 1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	157.15	40.32
23 21 16 00-0288 EA 1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	236.77	51.07
23 21 16 00-0289 EA Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	95.25	19.14
23 21 16 00-0290 EA Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	156.94	26.81
23 21 16 00-0291 Radiator Trap Repair Kits ^(23 21 16) Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0292 EA 1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	159.64	
23 21 16 00-0293 EA 3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	199.06	
23 21 16 00-0294 EA 1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	200.07	
23 21 16 00-0295 EA 3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	227.96	
23 21 16 00-0296 EA 1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	527.40	
23 21 16 00-0297 Vortex Air Separators With Strainer ^(23 21 16) Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0298 EA 2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,919.11 213.75	326.27
23 21 16 00-0299 EA 2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)..... <i>For 300 PSIG, Add</i>	2,371.76 270.66	373.75
23 21 16 00-0300 EA 3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,634.03 445.21	439.62
23 21 16 00-0301 EA 3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	3,884.03 476.82	465.43
23 21 16 00-0302 EA 4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,012.88 610.89	620.58
23 21 16 00-0303 EA 5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,320.09 780.37	738.26
23 21 16 00-0304 EA 6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)..... <i>For 300 PSIG, Add</i>	7,497.80 934.68	835.96
23 21 16 00-0305 EA 8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	10,778.18 1,388.74	1,002.89
23 21 16 00-0306 EA 10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	16,584.24 2,228.56	1,139.95
23 21 16 00-0307 EA 12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	22,369.58 3,020.16	1,475.15
23 21 16 00-0308 EA 14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)..... <i>For 300 PSIG, Add</i>	46,580.95 6,580.02	1,791.35
23 21 16 00-0309 EA 16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)..... <i>For 300 PSIG, Add</i>	57,504.98 8,137.20	2,149.62
23 21 16 00-0310 EA 18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)..... <i>For 300 PSIG, Add</i>	75,024.83 10,683.75	2,507.89
23 21 16 00-0311 EA 20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)..... <i>For 300 PSIG, Add</i>	87,780.84 12,515.72	2,866.17
23 21 16 00-0312 Vortex Air Separators ^(23 21 16) Note: Without system strainer.		
23 21 16 00-0313 EA 2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)..... <i>For 300 PSIG, Add</i>	1,640.86 172.01	326.27
23 21 16 00-0314 EA 2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)..... <i>For 300 PSIG, Add</i>	2,068.21 225.13	373.75
23 21 16 00-0315 EA 3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)..... <i>For 300 PSIG, Add</i>	3,558.14 433.82	439.62
23 21 16 00-0316 EA 3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)..... <i>For 300 PSIG, Add</i>	3,217.91 376.91	465.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0317 EA 4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F).....	4,313.03	620.58
For 300 PSIG, Add	505.92	
23 21 16 00-0318 EA 5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F).....	5,586.52	738.26
For 300 PSIG, Add	670.34	
23 21 16 00-0319 EA 6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F).....	6,502.83	835.96
For 300 PSIG, Add	785.43	
23 21 16 00-0320 EA 8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F).....	8,653.33	1,002.89
For 300 PSIG, Add	1,070.01	
23 21 16 00-0321 EA 10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F).....	12,039.44	1,139.95
For 300 PSIG, Add	1,546.84	
23 21 16 00-0322 EA 12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F).....	18,550.97	1,475.15
For 300 PSIG, Add	2,447.37	
23 21 16 00-0323 EA 14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F).....	31,574.71	1,791.35
For 300 PSIG, Add	4,329.08	
23 21 16 00-0324 EA 16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F).....	40,000.59	2,149.62
For 300 PSIG, Add	5,511.54	
23 21 16 00-0325 EA 18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F).....	53,478.30	2,507.89
For 300 PSIG, Add	7,451.77	
23 21 16 00-0326 EA 20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F).....	73,128.50	2,866.17
For 300 PSIG, Add	10,317.87	
23 21 16 00-0327 EA 22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F).....	89,550.18	3,224.44
For 300 PSIG, Add	12,699.70	
23 21 16 00-0328 EA 24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F).....	105,971.87	3,582.71
For 300 PSIG, Add	15,081.53	
23 21 16 00-0329 Grooved, With Strainer, Vortex Air Separators (23 21 16)		
23 21 16 00-0330 EA 3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	3,405.72	372.35
23 21 16 00-0331 EA 4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	4,824.36	496.15
23 21 16 00-0332 EA 5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	6,096.54	590.06
23 21 16 00-0333 EA 6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	7,244.38	668.77
23 21 16 00-0334 EA 8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	10,457.32	802.52
23 21 16 00-0335 EA 10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	16,896.46	911.97
23 21 16 00-0336 EA 12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	25,721.85	1,180.25
23 21 16 00-0337 Grooved Vortex Air Separators (23 21 16)		
Note: Without system strainer.		
23 21 16 00-0338 EA 3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	2,714.30	372.35
23 21 16 00-0339 EA 4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	4,124.51	496.15
23 21 16 00-0340 EA 5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G).....	5,362.97	590.06
23 21 16 00-0341 EA 6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	6,249.41	668.77
23 21 16 00-0342 EA 8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	8,349.34	802.52
23 21 16 00-0343 EA 10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	12,284.20	911.97
23 21 16 00-0344 EA 12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	20,402.87	1,180.25
23 21 16 00-0345 Removable Head, Air Eliminator And Dirt Separator (23 21 16)		
Note: Spirovent VDN.		
23 21 16 00-0346 EA 2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,741.11	326.27
23 21 16 00-0347 EA 2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	4,060.58	373.75
23 21 16 00-0348 EA 3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,394.45	439.62
23 21 16 00-0349 EA 4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	6,243.47	673.99
23 21 16 00-0350 EA 5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	9,051.90	833.29
23 21 16 00-0351 EA 6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	11,591.48	943.57
23 21 16 00-0352 EA 8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	17,946.64	212.92
23 21 16 00-0353 EA 10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	26,324.11	1,286.70
23 21 16 00-0354 EA 12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	34,024.71	1,665.04
23 21 16 00-0355 Swivel Joints (23 21 16)		
23 21 16 00-0356 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0355)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0357 EA 1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	379.12	40.28
23 21 16 00-0358 EA 1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	545.22	58.97
23 21 16 00-0359 EA 2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	758.29	68.93
23 21 16 00-0360 EA 3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,137.59	117.95
23 21 16 00-0361 EA 4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,435.09	134.04
For Stainless Steel, Add	1,750.55	
23 21 16 00-0362 EA 2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,070.91	204.19
For Stainless Steel, Add	1,223.42	
23 21 16 00-0363 EA 3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,442.69	162.90
23 21 16 00-0364 EA 4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,867.88	436.55
23 21 16 00-0365 EA 6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	3,390.79	551.44
23 21 16 00-0366 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) (23 21 16 00-0355)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0367 EA 1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	477.30	40.28
For Stainless Steel, Add	595.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0368 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	591.59	58.97
For Stainless Steel, Add	710.64	
23 21 16 00-0369 EA 2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	792.69	68.93
For Stainless Steel, Add	980.16	
23 21 16 00-0370 EA 3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,276.71	117.95
For Stainless Steel, Add	1,561.58	
23 21 16 00-0371 EA 4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,662.31	134.04
For Stainless Steel, Add	2,091.38	
23 21 16 00-0372 EA 2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,102.35	204.19
For Stainless Steel, Add	1,270.58	
23 21 16 00-0373 EA 3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,622.78	162.90
For Stainless Steel, Add	1,945.31	
23 21 16 00-0374 EA 4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	2,075.78	436.55
For Stainless Steel, Add	2,293.08	
23 21 16 00-0375 EA 6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	3,534.36	551.44
For Stainless Steel, Add	4,263.89	
23 21 16 00-0376 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) (23 21		
<small>16 00-0355)</small>		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0377 EA 1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	558.32	40.28
For Stainless Steel, Add	716.55	
23 21 16 00-0378 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	653.42	58.97
For Stainless Steel, Add	803.39	
23 21 16 00-0379 EA 2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	948.10	68.93
For Stainless Steel, Add	1,213.28	
23 21 16 00-0380 EA 3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,463.74	117.95
For Stainless Steel, Add	1,842.12	
23 21 16 00-0381 EA 4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,724.14	134.04
For Stainless Steel, Add	2,184.12	
23 21 16 00-0382 EA 2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,256.93	204.19
For Stainless Steel, Add	1,502.45	
23 21 16 00-0383 EA 3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,814.44	162.90
For Stainless Steel, Add	2,232.80	
23 21 16 00-0384 EA 4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	2,273.63	436.55
For Stainless Steel, Add	2,589.86	
23 21 16 00-0385 EA 6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	3,959.43	551.44
For Stainless Steel, Add	4,901.49	
23 21 16 00-0386 Basket Strainers (23 21 16)		
23 21 16 00-0387 Bronze Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0388 Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0387)		
23 21 16 00-0389 EA 1/2" Screwed Ends, Bronze Body Basket Strainer.....	326.89	30.64
For Work In Restricted Working Space, Add	18.23	
23 21 16 00-0390 EA 3/4" Screwed Ends, Bronze Body Basket Strainer.....	386.23	36.00
For Work In Restricted Working Space, Add	21.43	
23 21 16 00-0391 EA 1" Screwed Ends, Bronze Body Basket Strainer.....	448.61	42.89
For Work In Restricted Working Space, Add	25.53	
23 21 16 00-0392 EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer.....	555.79	47.48
For Work In Restricted Working Space, Add	28.46	
23 21 16 00-0393 EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer.....	654.99	53.61
For Work In Restricted Working Space, Add	32.14	
23 21 16 00-0394 EA 2" Screwed Ends, Bronze Body Basket Strainer.....	966.22	61.28
For Work In Restricted Working Space, Add	36.80	
23 21 16 00-0395 EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer.....	1,364.41	81.95
For Work In Restricted Working Space, Add	49.29	
23 21 16 00-0396 EA 3" Screwed Ends, Bronze Body Basket Strainer.....	1,904.85	87.31
For Work In Restricted Working Space, Add	52.28	
23 21 16 00-0397 Flanged, Bronze Body Basket Strainers (23 21 16 00-0387)		
23 21 16 00-0398 EA 2" Flanged, Bronze Body Basket Strainer.....	1,533.66	204.19
For Work In Restricted Working Space, Add	76.59	
23 21 16 00-0399 EA 2-1/2" Flanged, Bronze Body Basket Strainer.....	2,278.67	222.11
For Work In Restricted Working Space, Add	83.55	
23 21 16 00-0400 EA 3" Flanged, Bronze Body Basket Strainer.....	2,586.96	260.40
For Work In Restricted Working Space, Add	97.77	
23 21 16 00-0401 EA 4" Flanged, Bronze Body Basket Strainer.....	4,373.45	436.55
For Work In Restricted Working Space, Add	164.12	
23 21 16 00-0402 EA 6" Flanged, Bronze Body Basket Strainer.....	8,178.70	488.55
For Work In Restricted Working Space, Add	183.86	
23 21 16 00-0403 EA 8" Flanged, Bronze Body Basket Strainer.....	14,820.09	624.26
For Work In Restricted Working Space, Add	232.64	
23 21 16 00-0404 Iron Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0405 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0404)		
23 21 16 00-0406 EA 1/2" Screwed Ends, Iron Body Basket Strainer.....	386.05	30.64
For Work In Restricted Working Space, Add	18.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0407 EA 3/4" Screwed Ends, Iron Body Basket Strainer.....	435.48	36.00
<i>For Work In Restricted Working Space, Add</i>	21.43	
23 21 16 00-0408 EA 1" Screwed Ends, Iron Body Basket Strainer.....	514.81	42.89
<i>For Work In Restricted Working Space, Add</i>	25.53	
23 21 16 00-0409 EA 1-1/4" Screwed Ends, Iron Body Basket Strainer.....	670.81	47.48
<i>For Work In Restricted Working Space, Add</i>	28.46	
23 21 16 00-0410 EA 1-1/2" Screwed Ends, Iron Body Basket Strainer.....	736.76	53.61
<i>For Work In Restricted Working Space, Add</i>	32.14	
23 21 16 00-0411 EA 2" Screwed Ends, Iron Body Basket Strainer.....	874.66	61.28
<i>For Work In Restricted Working Space, Add</i>	36.80	
23 21 16 00-0412 EA 2-1/2" Screwed Ends, Iron Body Basket Strainer.....	1,238.58	81.95
<i>For Work In Restricted Working Space, Add</i>	49.29	
23 21 16 00-0413 EA 3" Screwed Ends, Iron Body Basket Strainer.....	1,397.76	87.31
<i>For Work In Restricted Working Space, Add</i>	52.28	
23 21 16 00-0414 Flanged, Iron Body Basket Strainers (23 21 16 00-0404)		
23 21 16 00-0415 EA 2" Flanged, Iron Body Basket Strainer.....	1,035.37	204.19
<i>For Work In Restricted Working Space, Add</i>	76.59	
23 21 16 00-0416 EA 2-1/2" Flanged, Iron Body Basket Strainer.....	1,329.91	222.11
<i>For Work In Restricted Working Space, Add</i>	83.55	
23 21 16 00-0417 EA 3" Flanged, Iron Body Basket Strainer.....	1,445.15	260.40
<i>For Work In Restricted Working Space, Add</i>	97.77	
23 21 16 00-0418 EA 4" Flanged, Iron Body Basket Strainer.....	2,231.57	436.55
<i>For Work In Restricted Working Space, Add</i>	164.12	
23 21 16 00-0419 EA 6" Flanged, Iron Body Basket Strainer.....	3,891.45	488.55
<i>For Work In Restricted Working Space, Add</i>	183.86	
23 21 16 00-0420 EA 8" Flanged, Iron Body Basket Strainer.....	6,823.88	624.26
<i>For Work In Restricted Working Space, Add</i>	232.64	
23 21 16 00-0421 EA 10" Flanged, Iron Body Basket Strainer.....	10,050.83	759.97
<i>For Work In Restricted Working Space, Add</i>	284.99	
23 21 16 00-0422 EA 12" Flanged, Iron Body Basket Strainer.....	12,712.69	958.11
<i>For Work In Restricted Working Space, Add</i>	574.80	
23 21 16 00-0423 EA 14" Flanged, Iron Body Basket Strainer.....	14,980.12	1,085.67
<i>For Work In Restricted Working Space, Add</i>	407.12	
23 21 16 00-0424 EA 16" Flanged, Iron Body Basket Strainer.....	15,737.64	1,194.23
<i>For Work In Restricted Working Space, Add</i>	447.84	
23 21 16 00-0425 Cast Steel Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0426 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0425)		
23 21 16 00-0427 EA 1" Screwed Ends, Cast Steel Body Basket Strainer.....	1,870.34	42.89
<i>For Work In Restricted Working Space, Add</i>	25.53	
23 21 16 00-0428 EA 1-1/4" Screwed Ends, Cast Steel Body Basket Strainer.....	2,477.72	47.48
<i>For Work In Restricted Working Space, Add</i>	28.46	
23 21 16 00-0429 EA 1-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	2,792.51	53.61
<i>For Work In Restricted Working Space, Add</i>	32.13	
23 21 16 00-0430 EA 2" Screwed Ends, Cast Steel Body Basket Strainer.....	3,942.77	61.28
<i>For Work In Restricted Working Space, Add</i>	36.80	
23 21 16 00-0431 EA 2-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	5,535.13	81.95
<i>For Work In Restricted Working Space, Add</i>	49.28	
23 21 16 00-0432 EA 3" Screwed Ends, Cast Steel Body Basket Strainer.....	7,209.36	87.31
<i>For Work In Restricted Working Space, Add</i>	52.29	
23 21 16 00-0433 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0425)		
23 21 16 00-0434 EA 2" Flanged, Cast Steel Body Basket Strainer.....	5,815.26	204.19
<i>For Work In Restricted Working Space, Add</i>	76.59	
23 21 16 00-0435 EA 2-1/2" Flanged, Cast Steel Body Basket Strainer.....	8,410.43	222.11
<i>For Work In Restricted Working Space, Add</i>	83.55	
23 21 16 00-0436 EA 3" Flanged, Cast Steel Body Basket Strainer.....	9,214.29	260.40
<i>For Work In Restricted Working Space, Add</i>	97.77	
23 21 16 00-0437 EA 4" Flanged, Cast Steel Body Basket Strainer.....	13,028.61	436.55
<i>For Work In Restricted Working Space, Add</i>	164.12	
23 21 16 00-0438 EA 6" Flanged, Cast Steel Body Basket Strainer.....	23,117.49	488.55
<i>For Work In Restricted Working Space, Add</i>	183.86	
23 21 16 00-0439 EA 8" Flanged, Cast Steel Body Basket Strainer.....	37,652.78	624.26
<i>For Work In Restricted Working Space, Add</i>	232.64	
23 21 16 00-0440 Stainless Steel Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0441 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0440)		
23 21 16 00-0442 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer.....	584.32	42.89
<i>For Work In Restricted Working Space, Add</i>	25.53	
23 21 16 00-0443 EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer.....	833.82	47.48
<i>For Work In Restricted Working Space, Add</i>	28.46	
23 21 16 00-0444 EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	863.33	53.61
<i>For Work In Restricted Working Space, Add</i>	32.13	
23 21 16 00-0445 EA 2" Screwed Ends, Stainless Steel Body Basket Strainer.....	1,266.91	61.28
<i>For Work In Restricted Working Space, Add</i>	36.80	
23 21 16 00-0446 EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	1,787.98	81.95
<i>For Work In Restricted Working Space, Add</i>	49.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0447 EA 3" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,509.77 52.29	87.31
23 21 16 00-0448 Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0440)		
23 21 16 00-0449 EA 2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,958.08 76.59	204.19
23 21 16 00-0450 EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,930.31 83.55	222.11
23 21 16 00-0451 EA 3" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,321.23 97.77	260.40
23 21 16 00-0452 EA 4" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	5,613.40 164.12	436.55
23 21 16 00-0453 EA 6" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	8,521.31 183.86	488.55
23 21 16 00-0454 EA 8" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	14,714.09 232.64	624.26
23 21 16 00-0455 Air Vents (23 21 16)		
23 21 16 00-0456 Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0455) Note: With guided free floating lever.		
23 21 16 00-0457 EA 1/2" NPT, Cast Iron, Automatic Air Vent	402.75	44.42
23 21 16 00-0458 EA 3/4" NPT, Cast Iron, Automatic Air Vent	493.49	58.97
23 21 16 00-0459 EA 1" NPT, Cast Iron, Automatic Air Vent	1,116.90	61.28
23 21 16 00-0460 EA 1-1/4" NPT, Cast Iron, Automatic Air Vent	1,656.57	94.66
23 21 16 00-0461 EA 1-1/2" NPT, Cast Iron, Automatic Air Vent	2,755.96	101.86
23 21 16 00-0462 EA 2" NPT, Cast Iron, Automatic Air Vent	3,166.41	134.34
23 21 16 00-0463 Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0455) Note: With guided free floating lever.		
23 21 16 00-0464 EA 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,498.45	51.31
23 21 16 00-0465 EA 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,130.61	58.97
23 21 16 00-0466 EA 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,734.39	61.28
23 21 16 00-0467 EA 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,126.49	94.97
23 21 16 00-0468 EA 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	7,074.95	101.86
23 21 16 00-0469 EA 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	10,399.23	134.04
23 21 16 00-0470 Automatic Air Vent (23 21 16 00-0455)		
23 21 16 00-0471 EA 3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	275.20	58.97
23 21 16 00-0472 EA 1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	299.88	61.28
23 21 16 00-0473 EA 1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	428.12	94.66
23 21 16 00-0474 EA 1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	522.53	101.86
23 21 16 00-0475 EA 2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	657.95	109.77
23 21 16 00-0476 Manual Air Vent (23 21 16 00-0455)		
23 21 16 00-0477 EA Manual Air Vent	101.39	55.29
23 21 16 00-0478 Air Release Valves (23 21 16 00-0455)		
23 21 16 00-0479 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0478) Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0480 EA 1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	208.95	22.98
23 21 16 00-0481 EA 3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	215.08	26.04
23 21 16 00-0482 EA 1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	227.33	32.17
23 21 16 00-0483 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 21 16 00-0478) Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0484 EA 1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	826.03	32.17
23 21 16 00-0485 EA 2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	999.26	55.91
23 21 16 00-0486 EA 3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,314.30	130.36
23 21 16 00-0487 Cast Iron, Air/Vacuum Valves (23 21 16 00-0478) Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0488 EA 1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	403.00	22.98
23 21 16 00-0489 EA 1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	499.00	32.17
23 21 16 00-0490 EA 2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	862.14	55.91
23 21 16 00-0491 EA 3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,252.20	130.36
23 21 16 00-0492 EA 4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,963.04	218.83
23 21 16 00-0493 EA 6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,972.00	276.71

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0494 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice ^(23 21 16 00-0478) Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0495 EA 1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	716.33	32.17
23 21 16 00-0496 EA 2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	1,102.76	55.91
23 21 16 00-0497 EA 3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	2,015.46	130.36
23 21 16 00-0498 EA 4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	2,627.97	218.83
23 21 23 Hydronic Pumps ^(23 21)		
23 21 23 13 In-Line Centrifugal Hydronic Pumps ^(23 21 23)		
23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump ^(23 21 23 13) Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002 EA 3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,479.41	409.02
For Mechanical Seal, Add	420.24	
For Cast Steel Case, Add	945.54	
23 21 23 13-0003 EA 5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,115.94	495.05
For Mechanical Seal, Add	450.51	
For Cast Steel Case, Add	1,013.64	
23 21 23 13-0004 EA 7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,238.28	588.13
For Mechanical Seal, Add	518.02	
For Cast Steel Case, Add	1,165.55	
23 21 23 13-0005 EA 10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,333.05	784.18
For Mechanical Seal, Add	558.59	
For Cast Steel Case, Add	1,256.83	
23 21 23 13-0006 EA 15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	10,662.70	854.70
For Mechanical Seal, Add	647.87	
For Cast Steel Case, Add	1,457.70	
23 21 23 13-0007 EA 30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	15,654.95	940.73
For Mechanical Seal, Add	1,026.73	
For Cast Steel Case, Add	2,310.15	
23 21 23 13-0008 EA 40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	18,455.32	1,174.86
For Mechanical Seal, Add	1,194.35	
For Cast Steel Case, Add	2,687.28	
23 21 23 13-0009 EA 50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	25,427.46	1,342.70
For Mechanical Seal, Add	1,711.82	
For Cast Steel Case, Add	3,851.60	
23 21 23 13-0010 EA 75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	32,088.22	1,407.30
For Mechanical Seal, Add	2,229.29	
For Cast Steel Case, Add	5,015.91	
23 21 23 13-0011 EA 100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	35,267.78	1,808.99
For Mechanical Seal, Add	2,387.16	
For Cast Steel Case, Add	5,371.10	
23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump ^(23 21 23 13) Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.		
23 21 23 13-0013 EA 1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,219.56	234.83
23 21 23 13-0014 EA 3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	3,786.55	268.40
23 21 23 13-0015 EA 1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,123.67	300.55
23 21 23 13-0016 EA 1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,346.45	326.79
23 21 23 13-0017 EA 2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	5,617.67	357.82
23 21 23 13-0018 EA 3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	5,802.89	395.48
23 21 23 13-0019 EA 5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,650.57	469.66
23 21 23 13-0020 EA 7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,769.32	578.12
23 21 23 13-0021 EA 10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	9,884.96	626.21
23 21 23 13-0022 EA 15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	11,486.00	663.03
23 21 23 13-0023 EA 20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	14,615.09	704.49
23 21 23 13-0024 EA 25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	15,406.73	728.05
23 21 23 13-0025 EA 30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,198.38	751.46
23 21 23 13-0026 EA 40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	19,147.93	805.20
23 21 23 13-0027 EA 50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	20,485.13	834.21
23 21 23 13-0028 EA 60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	22,848.40	1,204.91
23 21 23 13-0029 EA 75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	27,716.63	2,409.83
23 21 23 13-0030 EA 100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	31,952.36	2,891.79
23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps ^(23 21 23) See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump ^(23 21 23 16) Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.		
23 21 23 16-0002 EA 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	7,575.19	447.09
23 21 23 16-0003 EA 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	8,489.07	447.66
23 21 23 16-0004 EA 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	11,183.93	588.13
23 21 23 16-0005 EA 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	12,275.28	723.53
23 21 23 16-0006 EA 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	13,718.91	723.53
23 21 23 16-0007 EA 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	13,364.45	784.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0008 EA 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	14,185.22	784.18
23 21 23 16-0009 EA 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	15,495.54	822.26
23 21 23 16-0010 EA 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	17,275.35	1,045.10
23 21 23 16-0011 EA 40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	18,299.73	1,174.86
23 21 23 16-0012 EA 60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	27,583.34	2,533.30
23 21 23 16-0013 EA 75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	39,975.62	3,039.42
23 21 23 16-0014 EA 100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	45,344.21	3,799.28

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016 EA 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	5,881.73	328.62
<i>For 300 LB Flanges, Add</i>	1,322.28	
23 21 23 16-0017 EA 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	7,369.93	352.60
<i>For 300 LB Flanges, Add</i>	1,710.26	
23 21 23 16-0018 EA 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	9,218.26	376.57
<i>For 300 LB Flanges, Add</i>	2,147.86	
23 21 23 16-0019 EA 5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,793.03	447.09
<i>For 300 LB Flanges, Add</i>	2,496.77	
23 21 23 16-0020 EA 7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,342.84	447.66
<i>For 300 LB Flanges, Add</i>	2,624.15	
23 21 23 16-0021 EA 10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,949.21	588.13
<i>For 300 LB Flanges, Add</i>	2,722.85	
23 21 23 16-0022 EA 10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,203.03	588.13
<i>For 300 LB Flanges, Add</i>	2,786.31	
23 21 23 16-0023 EA 10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,765.26	588.13
<i>For 300 LB Flanges, Add</i>	2,926.87	
23 21 23 16-0024 EA 15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,858.90	723.53
<i>For 300 LB Flanges, Add</i>	3,389.25	
23 21 23 16-0025 EA 17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,106.84	722.97
<i>For 300 LB Flanges, Add</i>	3,438.11	
23 21 23 16-0026 EA 20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,914.83	784.18
<i>For 300 LB Flanges, Add</i>	3,626.11	
23 21 23 16-0027 EA 25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,450.35	822.26
<i>For 300 LB Flanges, Add</i>	3,981.81	
23 21 23 16-0028 EA 30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	19,393.73	1,045.10
<i>For 300 LB Flanges, Add</i>	4,378.30	
23 21 23 16-0029 EA 40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	21,990.77	1,174.86
<i>For 300 LB Flanges, Add</i>	4,968.80	
23 21 23 16-0030 EA 60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	34,528.45	2,533.30
<i>For 300 LB Flanges, Add</i>	7,410.92	
23 21 23 16-0031 EA 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	41,087.95	3,039.42
<i>For 300 LB Flanges, Add</i>	8,806.55	
23 21 23 16-0032 EA 100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	50,184.67	3,799.28
<i>For 300 LB Flanges, Add</i>	10,714.37	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034 EA 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	5,663.68	328.62
<i>For 300 LB Flanges, Add</i>	1,267.77	
23 21 23 16-0035 EA 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	5,829.03	352.60
<i>For 300 LB Flanges, Add</i>	1,298.57	
23 21 23 16-0036 EA 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	5,994.56	376.57
<i>For 300 LB Flanges, Add</i>	1,329.39	
23 21 23 16-0037 EA 5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,487.91	385.03
<i>For 300 LB Flanges, Add</i>	1,448.57	
23 21 23 16-0038 EA 7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	10,399.86	447.09
<i>For 300 LB Flanges, Add</i>	2,398.48	
23 21 23 16-0039 EA 10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,563.61	588.13
<i>For 300 LB Flanges, Add</i>	2,912.24	
23 21 23 16-0040 EA 15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,143.87	634.68
<i>For 300 LB Flanges, Add</i>	3,271.52	
23 21 23 16-0041 EA 20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	15,061.39	705.20
<i>For 300 LB Flanges, Add</i>	3,439.87	
23 21 23 16-0042 EA 25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,669.72	704.32
<i>For 300 LB Flanges, Add</i>	3,850.78	
23 21 23 16-0043 EA 40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	18,794.82	905.17
<i>For 300 LB Flanges, Add</i>	4,291.58	
23 21 23 16-0044 EA 50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	23,572.62	1,013.59
<i>For 300 LB Flanges, Add</i>	5,404.68	
23 21 23 16-0045 EA 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	30,065.30	1,265.98
<i>For 300 LB Flanges, Add</i>	6,905.73	
23 21 23 16-0046 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	37,752.00	1,519.71
<i>For 300 LB Flanges, Add</i>	8,705.28	
23 21 23 16-0047 EA 150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	44,651.92	1,687.97
<i>For 300 LB Flanges, Add</i>	10,348.85	
23 21 23 16-0048 EA 200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	51,570.29	2,171.01
<i>For 300 LB Flanges, Add</i>	11,845.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0049			Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA		40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	34,619.24	723.53
			<i>For 300 LB Flanges, Add</i>	8,329.34	
23 21 23 16-0051	EA		50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	37,375.41	784.18
			<i>For 300 LB Flanges, Add</i>	8,991.26	
23 21 23 16-0052	EA		75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	49,750.22	999.32
			<i>For 300 LB Flanges, Add</i>	11,979.97	
23 21 23 16-0053	EA		100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	58,276.85	1,373.15
			<i>For 300 LB Flanges, Add</i>	13,940.04	
23 21 23 16-0054	EA		200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	80,792.88	1,830.86
			<i>For 300 LB Flanges, Add</i>	19,359.32	
23 21 23 16-0055			Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>		
23 21 23 16-0056			Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057	EA		3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	6,787.61	423.12
23 21 23 16-0058	EA		3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	7,378.04	423.12
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	8,197.95	446.63
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	8,720.25	446.63
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	10,010.57	469.66
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	11,866.69	565.46
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	15,566.01	696.59
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	16,665.77	753.94
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	19,286.25	814.25
23 21 23 16-0066			Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>		
23 21 23 16-0067	EA		1/3 HP, Centrifugal Pump, Polypropylene Body	1,721.82	218.59
23 21 23 16-0068	EA		1/2 HP, Centrifugal Pump, Polypropylene Body	1,836.52	231.76
23 21 23 16-0069	EA		3/4 HP, Centrifugal Pump, Polypropylene Body	2,136.31	246.77
23 21 23 23			Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small> See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001			Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <small>(23 21 23 23)</small> Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA		2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	11,867.71	1,045.10
			<i>For Each Extra Column Assembly <60", Add</i>	1,012.10	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	412.02	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	293.35	
23 21 23 23-0003	EA		3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	13,546.10	1,174.86
			<i>For Each Extra Column Assembly <60", Add</i>	1,146.88	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	478.65	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	343.19	
23 21 23 23-0004	EA		15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	15,986.17	1,013.59
			<i>For Each Extra Column Assembly <60", Add</i>	1,351.58	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	566.76	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	406.89	
23 21 23 23-0005	EA		25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	18,729.23	1,169.63
			<i>For Each Extra Column Assembly <60", Add</i>	1,573.49	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	674.02	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	486.73	
23 21 23 23-0006	EA		50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	22,941.27	1,265.98
			<i>For Each Extra Column Assembly <60", Add</i>	1,916.71	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	836.24	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	606.82	
23 21 23 23-0007	EA		100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	30,059.45	1,519.71
			<i>For Each Extra Column Assembly <60", Add</i>	2,502.45	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	1,104.68	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	804.09	
23 21 23 23-0008	EA		150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	36,038.09	1,899.63
			<i>For Each Extra Column Assembly <60", Add</i>	3,005.17	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	1,319.40	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	959.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	57,069.57 4,705.13 2,143.22 1,572.52	2,171.01
23 21	23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	74,598.50 6,130.71 2,821.11 2,075.13	2,533.30
23 21	23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	104,056.27 8,519.89 3,966.86 2,926.30	3,039.42

23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	244.32	45.83
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	263.41	45.83
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	403.16	52.89

23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	138.12	35.26
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	146.27	35.26
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	238.07	45.83
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	258.42	52.89
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	461.69	59.94

23 22 Steam and Condensate Piping and Pumps (23 20)

23 22 16 Steam and Condensate Heating Piping Specialties (23 22)

23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)

23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

Note: Up to 150 PSI.

23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,358.32	22.05
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,432.54	29.70
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,899.68	36.60
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,100.52	46.25
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,158.40	53.14
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,547.88	57.80
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,260.46	105.88
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,010.13	115.46
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,515.30	270.26
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,373.70	317.21

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,008.15	22.05
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,083.37	29.70
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,179.15	36.60
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,609.69	46.25
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,797.75	53.14
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,175.71	57.80
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,876.05	105.88
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,121.14	115.46
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,817.75	270.26
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	9,274.10	317.21

23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,732.69	22.05
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,776.29	29.70
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,040.54	36.60
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,314.13	46.25
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,437.10	53.14
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,876.34	57.80
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,173.09	105.88
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,786.19	115.46
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,448.02	270.26
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,382.20	317.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0035			Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036	EA		1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,498.38	22.05
23 22 16 00-0037	EA		3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,538.16	29.70
23 22 16 00-0038	EA		1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,844.50	36.60
23 22 16 00-0039	EA		1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,010.87	46.25
23 22 16 00-0040	EA		1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,168.31	53.14
23 22 16 00-0041	EA		2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,538.65	57.80
23 22 16 00-0042	EA		2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,555.93	105.88
23 22 16 00-0043	EA		3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,076.28	115.46
23 22 16 00-0044	EA		4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,738.10	270.26
23 22 16 00-0045	EA		6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,672.28	317.21
23 22 16 00-0046			High Temperature Safety Relief Valve (23 22 16)		
			Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047			Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)		
			Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048			Threaded (23 22 16 00-0047)		
23 22 16 00-0049	EA		3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	523.17	22.97
23 22 16 00-0050	EA		1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	550.54	27.18
23 22 16 00-0051	EA		1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	611.58	34.46
23 22 16 00-0052	EA		1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	750.30	38.28
23 22 16 00-0053	EA		2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	958.75	47.08
23 22 16 00-0054	EA		2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,468.96	53.60
23 22 16 00-0055	EA		3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,594.94	61.64
23 22 16 00-0056			Flanged (23 22 16 00-0047)		
23 22 16 00-0057	EA		1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,578.28	160.79
23 22 16 00-0058	EA		2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,181.79	241.69
23 22 16 00-0059	EA		2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,606.90	222.51
23 22 16 00-0060	EA		2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,610.59	321.38
23 22 16 00-0061	EA		3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,957.87	239.67
23 22 16 00-0062	EA		3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,011.61	321.38
23 22 16 00-0063	EA		4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	11,709.72	456.08
23 22 16 00-0064	EA		6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	23,175.03	509.35
23 22 16 00-0065			Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)		
			Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	565.58	21.06
23 22 16 00-0067	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	580.64	22.97
23 22 16 00-0068	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	678.11	25.27
23 22 16 00-0069	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	748.16	27.18
23 22 16 00-0070	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	864.87	30.63
23 22 16 00-0071	EA		1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	872.60	34.46
23 22 16 00-0072	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	979.26	36.37
23 22 16 00-0073	EA		1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,065.93	38.28
23 22 16 00-0074	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,470.57	42.87
23 22 16 00-0075	EA		2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,607.38	47.08
23 22 16 00-0076	EA		2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,915.52	53.60
23 22 16 00-0077			Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)		
			Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	276.34	21.06
23 22 16 00-0079	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	313.97	22.97
23 22 16 00-0080	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Water	428.96	25.27
23 22 16 00-0081	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	471.73	27.18
23 22 16 00-0082	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	674.45	30.63
23 22 16 00-0083	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	905.33	36.37
23 22 16 00-0084	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,311.33	42.87
23 22 16 00-0085			Steam Traps (23 22 16)		
23 22 16 00-0086			Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087	EA		1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	348.15	45.95
			For Work In Restricted Working Space, Add	27.57	
23 22 16 00-0088	EA		3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	351.98	47.87
			For Work In Restricted Working Space, Add	28.72	
23 22 16 00-0089	EA		1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	514.62	51.01
			For Work In Restricted Working Space, Add	30.64	
23 22 16 00-0090	EA		1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	826.74	69.62
			For Work In Restricted Working Space, Add	41.78	
23 22 16 00-0091	EA		1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,222.69	85.78
			For Work In Restricted Working Space, Add	51.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,568.57 76.59	127.65
23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	367.70 28.72	47.87
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	479.19 30.64	51.05
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	595.49 41.78	69.62
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	864.55 51.06	85.09
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,453.19 76.59	127.60
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	462.39 28.72	47.87
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	502.11 30.64	51.01
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	657.98 41.78	69.62
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,015.79 51.06	85.02
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,592.78 76.59	127.64
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	593.64 28.72	47.87
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	660.44 30.64	51.05
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,001.74 41.78	69.62
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,205.18 51.06	85.02
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,986.51 76.59	127.65
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	601.97 28.72	47.87
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	660.44 30.64	51.05
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,001.74 41.78	69.62
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,205.18 51.06	85.02
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,986.51 76.59	127.64
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	188.55 27.57	45.95
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	301.96 28.72	47.87
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	369.25 30.64	51.01
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	390.14	41.36
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	546.07	45.95
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	672.79	47.87
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	895.85	51.01
23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	803.27	76.59
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	861.64	103.40
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,033.86	116.42
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,612.23	133.26
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,993.25	204.19
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,973.39	222.11
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,420.08	260.40
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	4,702.78	436.55
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	9,070.83	551.44
23 22 16 00-0133 Steam/Condensate Meter (23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	6,793.89	126.88
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0135 EA 2" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	7,666.22 1,220.00 567.00 905.00 79.82 64.52	149.09
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	8,135.52 1,220.00 567.00 905.00 79.82 64.52	185.04
23 22 16 00-0137 EA 3" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	8,634.42 1,220.00 567.00 905.00 79.82 64.52	243.19
23 22 16 00-0138 EA 4" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	9,749.81 1,220.00 567.00 905.00 79.82 64.52	377.82
23 22 16 00-0139 EA 6" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	16,672.31 1,220.00 567.00 905.00 79.82 64.52	477.92
23 22 16 00-0140 EA 8" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	17,284.85 1,220.00 567.00 905.00 79.82 64.52	603.40
23 22 16 00-0141 EA 10" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	18,098.75 1,220.00 567.00 905.00 79.82 64.52	740.15
23 22 16 00-0142 EA 12" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	18,989.08 1,220.00 567.00 905.00 79.82 64.52	898.75
23 22 16 00-0143 EA 14" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	20,230.55 1,220.00 567.00 905.00 79.82 64.52	1,057.35
23 22 16 00-0144 EA 16" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	20,956.75 1,220.00 567.00 905.00 79.82 64.52	1,163.09

23 22 23 Steam Condensate Pumps (23 22)**23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)**

23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)
Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,188.46	717.89
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,712.26	737.63
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,844.89	787.00
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,094.64	795.46
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,445.28	865.98
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,846.55	865.98
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,951.58	925.22
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,953.31	967.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,031.24	1,009.84
23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,481.36	767.25
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,118.69	787.00
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,249.68	839.18
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,724.67	906.88
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,951.58	926.63
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,092.21	959.06
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,258.82	1,009.84
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,048.72	1,074.72
23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,778.61	880.08
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,399.22	950.60
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,920.95	939.32
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,069.95	959.06
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,189.07	999.97
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,031.24	1,009.84
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,143.33	1,074.72
23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,856.99	953.43
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,670.11	973.17
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,143.58	980.22
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,300.04	1,066.25
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	8,074.80	1,149.47
23 22 23 13-0035 Duplex Condensate Pumps And Motors (23 22 23 13)		
Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036 20 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,490.97	963.30
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,719.13	1,057.79
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,015.64	1,066.25
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,471.43	1,162.16
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,984.00	1,162.16
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,135.27	1,252.43
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,172.63	1,307.44
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,368.18	1,372.31
23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,409.63	1,038.05
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,643.12	1,133.95
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,126.52	1,105.75

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,135.27	1,252.43
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,315.99	1,298.97
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,145.58	1,372.31
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,516.27	1,471.04
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,838.91	1,224.22
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,305.00	1,279.23
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,329.35	1,298.97
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,526.02	1,363.85
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,369.30	1,372.31
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,542.99	1,471.04
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,023.67	1,224.22
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,434.90	1,345.51
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,700.81	1,461.16
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,130.26	1,582.45
23 23 Refrigerant Piping (23 20)		
23 23 13 Refrigerant Piping Valves (23 23)		
23 23 13 00-0001 Ball Valves (23 23 13)		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated	58.28	15.31
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated	60.75	15.31
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated	77.35	15.31
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated	103.67	16.85
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated	142.10	19.14
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated	228.13	23.58
23 23 13 00-0009 Shut-Off Valves (23 23 13)		
23 23 13 00-0010 Packless (23 23 13 00-0009)		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless	70.15	15.93
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless	86.44	17.47
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless	171.44	23.89
23 23 13 00-0014 Packed (23 23 13 00-0009)		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed	300.79	34.77
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed	400.17	42.58
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed	485.52	47.94
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed	686.98	54.68
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed	1,170.60	153.18
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed	1,531.39	191.47
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed	2,169.29	255.35
23 23 13 00-0022 Check Valves (23 23 13)		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration	90.89	15.31
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration	264.91	16.85
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration	308.07	19.14
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration	413.30	20.37
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration	540.03	23.59
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration	792.01	27.88
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration	1,109.58	40.89
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration	1,459.60	53.61
23 23 13 00-0031 Solenoid Valves (23 23 13)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil <small>(23 23 13 00-0031)</small>		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration	231.32	15.31
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration	236.61	15.31
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration	293.81	16.85
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration	293.81	16.85
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration	408.44	19.14
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration	649.36	20.37
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration	1,179.25	23.59
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration	1,200.67	27.88
23 23 16 Refrigerant Piping Specialties <small>(23 23)</small>		
23 23 16 00-0001 Soft Refrigeration Copper Tubing <small>(23 23 16)</small>		
<small>Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0372 for flexible elastomeric insulation (insulation on suction line only).</small>		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing	6.34	3.65
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing	6.64	3.74
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing	6.94	3.84
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing	7.41	3.90
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing	7.63	3.97
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing	8.56	4.16
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing	9.38	4.21
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing	10.24	4.36
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing	13.16	5.12
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	16.68	5.86
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	23.97	6.94
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	28.84	7.76
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing <small>(23 23 16)</small>		
<small>Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0372 for flexible elastomeric insulation (insulation on suction line only).</small>		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.44	4.29
<i>For Medical Applications "Oxygen Clean", Add</i>	0.75	
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	9.43	4.29
<i>For Medical Applications "Oxygen Clean", Add</i>	0.80	
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	10.06	4.29
<i>For Medical Applications "Oxygen Clean", Add</i>	0.83	
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	14.54	6.44
<i>For Medical Applications "Oxygen Clean", Add</i>	1.21	
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.88	6.90
<i>For Medical Applications "Oxygen Clean", Add</i>	1.31	
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	18.37	6.90
<i>For Medical Applications "Oxygen Clean", Add</i>	1.44	
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	22.82	7.96
<i>For Medical Applications "Oxygen Clean", Add</i>	1.74	
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	27.57	9.19
<i>For Medical Applications "Oxygen Clean", Add</i>	2.07	
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	38.88	11.49
<i>For Medical Applications "Oxygen Clean", Add</i>	2.80	
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	58.33	17.30
<i>For Medical Applications "Oxygen Clean", Add</i>	4.22	
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	75.37	21.45
<i>For Medical Applications "Oxygen Clean", Add</i>	5.38	
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	94.70	25.42
<i>For Medical Applications "Oxygen Clean", Add</i>	6.65	
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	116.98	30.64
<i>For Medical Applications "Oxygen Clean", Add</i>	8.15	
23 23 16 00-0028 Refrigeration Fittings <small>(23 23 16)</small>		
23 23 16 00-0029 Brass Flare Fittings <small>(23 23 16 00-0028)</small>		
23 23 16 00-0030 Brass Flare Unions <small>(23 23 16 00-0029)</small>		
23 23 16 00-0031 EA 3/8" Brass Flare Union	33.19	16.54
23 23 16 00-0032 EA 1/2" Brass Flare Union	33.19	16.54
23 23 16 00-0033 EA 5/8" Brass Flare Union	35.37	16.54
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions <small>(23 23 16 00-0029)</small>		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union	34.51	16.54
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union	34.51	16.54
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union	41.83	16.54
23 23 16 00-0038 Brass Flare Tees <small>(23 23 16 00-0029)</small>		
23 23 16 00-0039 EA 3/8" Brass Flare Tee	53.84	27.56
23 23 16 00-0040 EA 1/2" Brass Flare Tee	57.10	27.56
23 23 16 00-0041 EA 5/8" Brass Flare Tee	74.85	27.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union	27.19	16.54
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union	29.37	16.54
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union	32.48	16.54
23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union	30.00	16.54
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union	32.96	16.54
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union	32.96	16.54
23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut	28.52	16.54
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut	29.37	16.54
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut	38.86	16.54
23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut	27.28	16.54
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut	29.25	16.54
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut	29.66	16.54
23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)		
Note: Soldered.		
23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling	26.68	16.54
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling	26.33	16.54
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling	26.85	16.54
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling	27.77	17.30
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling	39.00	22.83
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling	38.66	23.44
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling	50.71	29.10
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling	72.24	39.83
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling	86.65	46.72
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling	112.51	56.68
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling	191.20	86.08
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling	254.48	113.20
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling	394.26	134.49
23 23 16 00-0073 ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0074 EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	31.37	16.54
23 23 16 00-0075 EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	31.72	16.54
23 23 16 00-0076 EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	31.37	16.54
23 23 16 00-0077 EA 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	33.86	17.30
23 23 16 00-0078 EA 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	48.57	22.83
23 23 16 00-0079 EA 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	49.27	23.44
23 23 16 00-0080 EA 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	62.55	29.10
23 23 16 00-0081 EA 1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	79.07	39.83
23 23 16 00-0082 EA 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	100.27	46.72
23 23 16 00-0083 EA 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	139.85	56.68
23 23 16 00-0084 EA 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	238.97	86.08
23 23 16 00-0085 EA 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	307.92	113.20
23 23 16 00-0086 EA 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	555.26	134.49
23 23 16 00-0087 ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0088 EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	37.23	16.54
23 23 16 00-0089 EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	34.13	16.54
23 23 16 00-0090 EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	36.59	16.54
23 23 16 00-0091 EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	36.68	17.30
23 23 16 00-0092 EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	45.12	22.83
23 23 16 00-0093 EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	48.90	23.44
23 23 16 00-0094 EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	65.80	29.10
23 23 16 00-0095 EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	95.78	39.83
23 23 16 00-0096 EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	118.51	46.72
23 23 16 00-0097 EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	212.23	56.68
23 23 16 00-0098 EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	330.59	86.08
23 23 16 00-0099 EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	436.67	113.20
23 23 16 00-0100 EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	916.61	134.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0101 ACR Wrought Copper 45 Degree Elbow <small>(23 23 16 00-0058)</small>		
Note: C x C		
23 23 16 00-0102 EA 1/4" ACR Wrought Copper 45 Degree Elbow	41.49	16.54
23 23 16 00-0103 EA 3/8" ACR Wrought Copper 45 Degree Elbow	37.23	16.54
23 23 16 00-0104 EA 1/2" ACR Wrought Copper 45 Degree Elbow	35.42	16.54
23 23 16 00-0105 EA 5/8" ACR Wrought Copper 45 Degree Elbow	30.32	17.30
23 23 16 00-0106 EA 3/4" ACR Wrought Copper 45 Degree Elbow	53.10	22.83
23 23 16 00-0107 EA 7/8" ACR Wrought Copper 45 Degree Elbow	42.63	23.44
23 23 16 00-0108 EA 1-1/8" ACR Wrought Copper 45 Degree Elbow	62.51	29.10
23 23 16 00-0109 EA 1-3/8" ACR Wrought Copper 45 Degree Elbow	85.08	39.83
23 23 16 00-0110 EA 1-5/8" ACR Wrought Copper 45 Degree Elbow	100.65	46.72
23 23 16 00-0111 EA 2-1/8" ACR Wrought Copper 45 Degree Elbow	135.88	56.68
23 23 16 00-0112 EA 2-5/8" ACR Wrought Copper 45 Degree Elbow	237.64	86.08
23 23 16 00-0113 EA 3-1/8" ACR Wrought Copper 45 Degree Elbow	321.35	113.20
23 23 16 00-0114 EA 4-1/8" ACR Wrought Copper 45 Degree Elbow	524.58	134.49
23 23 16 00-0115 ACR Wrought Copper Tee <small>(23 23 16 00-0058)</small>		
Note: C x C x C		
23 23 16 00-0116 EA 1/4" ACR Wrought Copper Tee	54.67	27.56
23 23 16 00-0117 EA 3/8" ACR Wrought Copper Tee	55.42	27.56
23 23 16 00-0118 EA 1/2" ACR Wrought Copper Tee	52.64	27.56
23 23 16 00-0119 EA 5/8" ACR Wrought Copper Tee	56.02	34.77
23 23 16 00-0120 EA 3/4" ACR Wrought Copper Tee	77.82	34.77
23 23 16 00-0121 EA 7/8" ACR Wrought Copper Tee	62.48	35.23
23 23 16 00-0122 EA 1-1/8" ACR Wrought Copper Tee	99.97	46.72
23 23 16 00-0123 EA 1-3/8" ACR Wrought Copper Tee	125.29	56.68
23 23 16 00-0124 EA 1-5/8" ACR Wrought Copper Tee	163.08	67.25
23 23 16 00-0125 EA 2-1/8" ACR Wrought Copper Tee	231.53	89.61
23 23 16 00-0126 EA 2-5/8" ACR Wrought Copper Tee	489.22	195.61
23 23 16 00-0127 EA 3-1/8" ACR Wrought Copper Tee	603.73	215.06
23 23 16 00-0128 EA 4-1/8" ACR Wrought Copper Tee	1,039.00	238.96
23 23 16 00-0129 ACR Wrought Copper Male Adapter <small>(23 23 16 00-0058)</small>		
Note: C x M		
23 23 16 00-0130 EA 1/4" ACR Wrought Copper Male Adapter	45.72	16.54
23 23 16 00-0131 EA 3/8" ACR Wrought Copper Male Adapter	52.53	16.54
23 23 16 00-0132 EA 1/2" ACR Wrought Copper Male Adapter	41.22	16.54
23 23 16 00-0133 ACR Wrought Copper Female Adapter <small>(23 23 16 00-0058)</small>		
Note: C x F		
23 23 16 00-0134 EA 1/4" ACR Wrought Copper Female Adapter	43.05	16.54
23 23 16 00-0135 EA 3/8" ACR Wrought Copper Female Adapter	39.14	16.54
23 23 16 00-0136 EA 1/2" ACR Wrought Copper Female Adapter	40.62	16.54
23 23 16 00-0137 ACR Wrought Copper Cap <small>(23 23 16 00-0058)</small>		
Note: C		
23 23 16 00-0138 EA 1/4" ACR Wrought Copper Cap	19.75	11.03
23 23 16 00-0139 EA 3/8" ACR Wrought Copper Cap	18.52	11.03
23 23 16 00-0140 EA 1/2" ACR Wrought Copper Cap	19.72	11.03
23 23 16 00-0141 ACR Wrought Copper P-Trap <small>(23 23 16 00-0058)</small>		
23 23 16 00-0142 EA 5/8" ACR Wrought Copper P-Trap	122.99	14.10
23 23 16 00-0143 EA 3/4" ACR Wrought Copper P-Trap	166.79	15.51
23 23 16 00-0144 EA 7/8" ACR Wrought Copper P-Trap	145.88	15.51
23 23 16 00-0145 EA 1-1/8" ACR Wrought Copper P-Trap	197.98	16.92
23 23 16 00-0146 EA 1-3/8" ACR Wrought Copper P-Trap	343.51	16.92
23 23 16 00-0147 EA 1-5/8" ACR Wrought Copper P-Trap	483.59	18.34
23 23 16 00-0148 EA 2-1/8" ACR Wrought Copper P-Trap	870.65	19.75
23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection <small>(23 23 16)</small>		
23 23 16 00-0150 EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	70.30	21.16
23 23 16 00-0151 EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	85.05	25.39
23 23 16 00-0152 EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	102.37	31.02
23 23 16 00-0153 EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	113.21	35.26
23 23 16 00-0154 EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	151.20	45.13
23 23 16 00-0155 EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	176.29	55.01
23 23 16 00-0156 EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	263.68	64.88
23 23 16 00-0157 EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	329.05	88.86
23 23 16 00-0158 EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	404.81	110.02
23 23 16 00-0159 Filter Driers, Solder Connections <small>(23 23 16)</small>		
23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections <small>(23 23 16 00-0159)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0161 EA 5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	572.38	12.70
23 23 16 00-0162 EA 7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	586.32	15.51
23 23 16 00-0163 EA 1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	751.25	15.51
23 23 16 00-0164 EA 1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	759.17	16.92
23 23 16 00-0165 EA 1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	854.38	18.34
23 23 16 00-0166 EA 2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	978.08	19.75
23 23 16 00-0167 EA 2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,146.17	21.16
23 23 16 00-0168 EA 3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,431.12	21.16
23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0170 EA 1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	107.99	12.70
23 23 16 00-0171 EA 3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	138.03	12.70
23 23 16 00-0172 EA 1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	175.50	14.10
23 23 16 00-0173 EA 1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	201.66	14.10
23 23 16 00-0174 EA 5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	222.69	14.10
23 23 16 00-0175 EA 5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	250.88	14.10
23 23 16 00-0176 EA 7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	283.05	15.51
23 23 16 00-0177 EA 7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	394.76	15.51
23 23 16 00-0178 EA 1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	433.29	15.51
23 23 16 00-0179 Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0180 EA 1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	142.97	12.70
23 23 16 00-0181 EA 3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	162.93	12.70
23 23 16 00-0182 EA 1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	195.87	14.10
23 23 16 00-0183 EA 3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	172.80	12.70
23 23 16 00-0184 EA 1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	216.23	14.10
23 23 16 00-0185 EA 5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	254.37	14.10
23 23 16 00-0186 Refrigerant Compressor Discharge Mufflers (23 23 16)		
23 23 16 00-0187 EA 3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	133.29	12.70
23 23 16 00-0188 EA 1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	147.33	12.70
23 23 16 00-0189 EA 5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	177.00	12.70
23 23 16 00-0190 EA 7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	238.31	15.51
23 23 16 00-0191 EA 1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	312.14	15.51
23 23 16 00-0192 EA 1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	371.51	16.92
23 23 16 00-0193 EA 1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	469.66	18.34
23 23 16 00-0194 EA 2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	823.45	19.75
23 23 16 00-0195 EA 2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	929.47	21.16
23 23 16 00-0196 EA 3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,151.94	21.16
23 23 16 00-0197 Expansion Valves And Vibration Absorbers (23 23 16)		
23 23 16 00-0198 Thermostatic Expansion Valves (23 23 16 00-0197)		
Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199 EA 3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	266.36	12.70
23 23 16 00-0200 EA 1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	370.41	14.10
23 23 16 00-0201 EA 5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	615.57	14.10
23 23 16 00-0202 EA 7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	730.47	15.51
23 23 16 00-0203 EA 7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	800.99	15.51
23 23 16 00-0204 Electric Expansion Valves (23 23 16 00-0197)		
Note: Sporlan SEI or SEH.		
23 23 16 00-0205 EA 1/2 To 11 Ton Electric Expansion Valve	632.78	17.62
Note: Sporlan SEI.		
23 23 16 00-0206 EA 25 Ton Electric Expansion Valve	729.36	18.34
Note: Sporlan SEI.		
23 23 16 00-0207 EA 50 Ton Electric Expansion Valve	826.46	19.04
Note: Sporlan SEI.		
23 23 16 00-0208 EA 100 Ton Electric Expansion Valve	977.54	19.04
Note: Sporlan SEH.		
23 23 16 00-0209 EA 175 Ton Electric Expansion Valve	1,098.78	19.75
Note: Sporlan SEH.		
23 23 16 00-0210 Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)		
23 23 16 00-0211 EA 1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	70.95	18.34
23 23 16 00-0212 EA 3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	73.39	21.16
23 23 16 00-0213 EA 1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	94.46	26.80
23 23 16 00-0214 EA 5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	103.10	32.44
23 23 16 00-0215 EA 3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	122.08	39.50
23 23 16 00-0216 EA 7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	140.70	45.13
23 23 16 00-0217 EA 1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	200.52	16.92
23 23 16 00-0218 EA 1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	277.16	18.34
23 23 16 00-0219 EA 1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	342.43	18.34
23 23 16 00-0220 EA 2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	459.57	19.75
23 23 16 00-0221 EA 2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	769.56	21.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0222 EA 3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	1,004.66	21.16
23 23 16 00-0223 Accumulator, Refrigerant Suction Line <small>(23 23 16)</small>		
23 23 16 00-0224 EA 3/4" Accumulator, Refrigeration Suction Line	229.55	64.17
23 23 16 00-0225 EA 7/8" Accumulator, Refrigeration Suction Line	311.65	88.14
23 23 16 00-0226 EA 1-1/8" Accumulator, Refrigeration Suction Line	376.74	117.49
23 23 16 00-0227 EA 1 3/8" Accumulator, Refrigeration Suction Line	520.77	141.04
23 23 16 00-0228 EA 1-5/8" Accumulator, Refrigeration Suction Line	710.34	176.30
23 23 16 00-0229 EA 2-1/8" Accumulator, Refrigeration Suction Line	1,066.71	235.11
23 23 16 00-0230 Special Chemicals/Component <small>(23 23 16)</small>		
23 23 16 00-0231 GAL Special Chemical, Inhibited Propylene Glycol, 100%	41.86	
23 23 16 00-0232 GAL Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	10.94	
23 23 16 00-0233 GAL Special Chemical, Inhibited Ethylene Glycol, 100%	28.72	
23 23 16 00-0234 EA Internal Coil/Refrigerant Piping Flush	379.59	
Note: Up to 10 ton AC system.		
23 23 23 Refrigerants <small>(23 23)</small>		
23 23 23 00-0001 Refrigerant <small>(23 23 23)</small>		
23 23 23 00-0002 LB R-113 Refrigerant	42.98	
23 23 23 00-0003 LB R-123 Refrigerant	31.53	
23 23 23 00-0004 LB R-134A Refrigerant	11.24	
23 23 23 00-0005 LB R-404A Refrigerant	20.11	
23 23 23 00-0006 LB R-407C Refrigerant	19.89	
23 23 23 00-0007 LB R-408A Refrigerant	45.35	
23 23 23 00-0008 LB R-410A Refrigerant	19.49	
23 23 23 00-0009 LB R-500 Refrigerant	38.53	
23 23 23 00-0010 LB R-507 Refrigerant	12.40	
23 25 HVAC Water Treatment <small>(23 20)</small>		
23 25 13 Water Treatment for Closed-Loop Hydronic Systems <small>(23 25)</small>		
23 25 13 00-0001 Polyethylene Chemical Storage Tanks <small>(23 25 13)</small>		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	566.45	117.80
23 25 13 00-0003 Gas Chlorinator <small>(23 25 13)</small>		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,422.05	535.96
<i>For Booster Pump, Add</i>		
	<i>584.92</i>	
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,624.90	612.52
<i>For Booster Pump, Add</i>		
	<i>668.64</i>	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	2,165.22	463.98
<i>For Booster Pump, Add</i>		
	<i>804.29</i>	
23 25 13 00-0007 Bypass Shot Feeders <small>(23 25 13)</small>		
Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008 In Line Mount, 125 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,355.47	399.14
23 25 13 00-0010 Floor Mount, 175 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,003.76	600.83
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,644.86	795.46
23 25 13 00-0013 Floor Mount, 150 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	2,003.76	600.83
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	2,644.86	795.46
23 25 13 00-0016 Floor Mount, 300 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,388.47	600.83
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	3,044.33	795.46

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts and Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003	LB Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	13.86	3.76
	For Polyvinyl Chloride (PVC) Coated, Add	0.46	
	For Up To 200, Add	4.85	
	For >200 To 500, Add	3.07	
	For >500 To 1,000, Add	2.10	
	For >1,000 To 2,000, Add	1.18	
	For >2,000 To 5,000, Add	0.53	
	For Work In Restricted Working Space, Add	3.47	
	For Elevated Installation >10' To 15', Add	0.69	
	For Elevated Installation >15' To 20', Add	1.39	
	For Elevated Installation >20' To 25', Add	1.74	
	For Elevated Installation >25' To 30', Add	2.43	
	For Elevated Installation >30' To 35', Add	2.78	
	For Elevated Installation >35' To 40', Add	3.47	
	For Elevated Installation >40', Add	3.82	
23 31 13 13-0004	LB Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	15.84	3.76
	For Polyvinyl Chloride (PVC) Coated, Add	0.51	
	For Up To 200, Add	5.51	
	For >200 To 500, Add	3.48	
	For >500 To 1,000, Add	2.39	
	For >1,000 To 2,000, Add	1.34	
	For >2,000 To 5,000, Add	0.61	
	For Work In Restricted Working Space, Add	3.99	
	For Elevated Installation >10' To 15', Add	0.80	
	For Elevated Installation >15' To 20', Add	1.60	
	For Elevated Installation >20' To 25', Add	2.00	
	For Elevated Installation >25' To 30', Add	2.80	
	For Elevated Installation >30' To 35', Add	3.19	
	For Elevated Installation >35' To 40', Add	3.99	
	For Elevated Installation >40', Add	4.39	
23 31 13 13-0005	LB Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	18.97	3.76
	For Polyvinyl Chloride (PVC) Coated, Add	0.55	
	For Up To 200, Add	6.52	
	For >200 To 500, Add	4.11	
	For >500 To 1,000, Add	2.85	
	For >1,000 To 2,000, Add	1.60	
	For >2,000 To 5,000, Add	0.73	
	For Work In Restricted Working Space, Add	4.86	
	For Elevated Installation >10' To 15', Add	0.97	
	For Elevated Installation >15' To 20', Add	1.94	
	For Elevated Installation >20' To 25', Add	2.43	
	For Elevated Installation >25' To 30', Add	3.40	
	For Elevated Installation >30' To 35', Add	3.89	
	For Elevated Installation >35' To 40', Add	4.86	
	For Elevated Installation >40', Add	5.35	

23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF

23 31 13 13-0007	LB Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	27.00	3.76
	For Work In Restricted Working Space, Add	6.86	
	For Up To 200, Add	9.34	
	For >200 To 500, Add	5.89	
	For >500 To 1,000, Add	4.07	
	For >1,000 To 2,000, Add	2.28	
	For >2,000 To 5,000, Add	1.04	
	For Elevated Installation >10' To 15', Add	1.37	
	For Elevated Installation >15' To 20', Add	2.74	
	For Elevated Installation >20' To 25', Add	3.43	
	For Elevated Installation >25' To 30', Add	4.80	
	For Elevated Installation >30' To 35', Add	5.49	
	For Elevated Installation >35' To 40', Add	6.86	
	For Elevated Installation >40', Add	7.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0008 LB Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	30.67	3.76
For Work In Restricted Working Space, Add	7.89	
For Up To 200, Add	10.51	
For >200 To 500, Add	6.61	
For >500 To 1,000, Add	4.60	
For >1,000 To 2,000, Add	2.58	
For >2,000 To 5,000, Add	1.18	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	5.52	
For Elevated Installation >30' To 35', Add	6.31	
For Elevated Installation >35' To 40', Add	7.89	
For Elevated Installation >40', Add	8.68	
23 31 13 13-0009 LB Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	36.62	3.76
For Work In Restricted Working Space, Add	9.60	
For Up To 200, Add	12.37	
For >200 To 500, Add	7.74	
For >500 To 1,000, Add	5.45	
For >1,000 To 2,000, Add	3.07	
For >2,000 To 5,000, Add	1.42	
For Elevated Installation >10' To 15', Add	1.92	
For Elevated Installation >15' To 20', Add	3.84	
For Elevated Installation >20' To 25', Add	4.80	
For Elevated Installation >25' To 30', Add	6.72	
For Elevated Installation >30' To 35', Add	7.68	
For Elevated Installation >35' To 40', Add	9.60	
For Elevated Installation >40', Add	10.56	
23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011 LB Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork.....	19.54	5.00
For Work In Restricted Working Space, Add	4.22	
For Welded Seams, Add	7.30	
For Up To 200, Add	7.51	
For >200 To 500, Add	4.89	
For >500 To 1,000, Add	3.12	
For >1,000 To 2,000, Add	1.73	
For >2,000 To 5,000, Add	0.73	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.11	
For Elevated Installation >25' To 30', Add	2.95	
For Elevated Installation >30' To 35', Add	3.37	
For Elevated Installation >35' To 40', Add	4.22	
For Elevated Installation >40', Add	4.64	
23 31 13 13-0012 LB Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork.....	22.68	5.00
For Work In Restricted Working Space, Add	5.09	
For Welded Seams, Add	8.76	
For Up To 200, Add	8.52	
For >200 To 500, Add	5.51	
For >500 To 1,000, Add	3.58	
For >1,000 To 2,000, Add	1.99	
For >2,000 To 5,000, Add	0.85	
For Elevated Installation >10' To 15', Add	1.02	
For Elevated Installation >15' To 20', Add	2.03	
For Elevated Installation >20' To 25', Add	2.54	
For Elevated Installation >25' To 30', Add	3.56	
For Elevated Installation >30' To 35', Add	4.07	
For Elevated Installation >35' To 40', Add	5.09	
For Elevated Installation >40', Add	5.59	
23 31 13 13-0013 LB Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork.....	25.64	5.00
For Work In Restricted Working Space, Add	5.90	
For Welded Seams, Add	10.13	
For Up To 200, Add	9.48	
For >200 To 500, Add	6.11	
For >500 To 1,000, Add	4.01	
For >1,000 To 2,000, Add	2.23	
For >2,000 To 5,000, Add	0.97	
For Elevated Installation >10' To 15', Add	1.18	
For Elevated Installation >15' To 20', Add	2.36	
For Elevated Installation >20' To 25', Add	2.95	
For Elevated Installation >25' To 30', Add	4.13	
For Elevated Installation >30' To 35', Add	4.72	
For Elevated Installation >35' To 40', Add	5.90	
For Elevated Installation >40', Add	6.49	
23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small>		
Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0016 LF 4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	14.74	7.72
For Seal Class B, Add	1.93	
For Seal Class A, Add	4.12	
For Work In Restricted Working Space, Add	3.87	
23 31 13 13-0017 LF 4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	18.40	9.66
For Seal Class B, Add	2.42	
For Seal Class A, Add	5.15	
For Work In Restricted Working Space, Add	4.83	
23 31 13 13-0018 LF 4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	22.10	11.60
For Seal Class B, Add	2.90	
For Seal Class A, Add	6.18	
For Work In Restricted Working Space, Add	5.80	
23 31 13 13-0019 LF 4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.77	13.52
For Seal Class B, Add	3.38	
For Seal Class A, Add	7.21	
For Work In Restricted Working Space, Add	6.76	
23 31 13 13-0020 LF 4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.46	15.46
For Seal Class B, Add	3.86	
For Seal Class A, Add	8.24	
For Work In Restricted Working Space, Add	7.73	
23 31 13 13-0021 LF 4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.14	17.39
For Seal Class B, Add	4.35	
For Seal Class A, Add	9.27	
For Work In Restricted Working Space, Add	8.69	
23 31 13 13-0022 LF 4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.82	19.32
For Seal Class B, Add	4.83	
For Seal Class A, Add	10.31	
For Work In Restricted Working Space, Add	9.66	
23 31 13 13-0023 LF 6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	22.10	11.60
For Seal Class B, Add	2.90	
For Seal Class A, Add	6.18	
For Work In Restricted Working Space, Add	5.80	
23 31 13 13-0024 LF 6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.77	13.52
For Seal Class B, Add	3.38	
For Seal Class A, Add	7.21	
For Work In Restricted Working Space, Add	6.76	
23 31 13 13-0025 LF 6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.46	15.46
For Seal Class B, Add	3.86	
For Seal Class A, Add	8.24	
For Work In Restricted Working Space, Add	7.73	
23 31 13 13-0026 LF 6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.14	17.39
For Seal Class B, Add	4.35	
For Seal Class A, Add	9.27	
For Work In Restricted Working Space, Add	8.69	
23 31 13 13-0027 LF 6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.82	19.32
For Seal Class B, Add	4.83	
For Seal Class A, Add	10.31	
For Work In Restricted Working Space, Add	9.66	
23 31 13 13-0028 LF 6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.50	21.25
For Seal Class B, Add	5.31	
For Seal Class A, Add	11.33	
For Work In Restricted Working Space, Add	10.63	
23 31 13 13-0029 LF 8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.46	15.46
For Seal Class B, Add	3.86	
For Seal Class A, Add	8.24	
For Work In Restricted Working Space, Add	7.73	
23 31 13 13-0030 LF 8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.14	17.39
For Seal Class B, Add	4.35	
For Seal Class A, Add	9.27	
For Work In Restricted Working Space, Add	8.69	
23 31 13 13-0031 LF 8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.82	19.32
For Seal Class B, Add	4.83	
For Seal Class A, Add	10.31	
For Work In Restricted Working Space, Add	9.66	
23 31 13 13-0032 LF 8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.50	21.25
For Seal Class B, Add	5.31	
For Seal Class A, Add	11.33	
For Work In Restricted Working Space, Add	10.63	
23 31 13 13-0033 LF 8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.17	23.18
For Seal Class B, Add	5.80	
For Seal Class A, Add	12.36	
For Work In Restricted Working Space, Add	11.59	
23 31 13 13-0034 LF 8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.88	25.12
For Seal Class B, Add	6.28	
For Seal Class A, Add	13.40	
For Work In Restricted Working Space, Add	12.56	
23 31 13 13-0035 LF 8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.54	27.05
For Seal Class B, Add	6.76	
For Seal Class A, Add	14.43	
For Work In Restricted Working Space, Add	13.52	
23 31 13 13-0036 LF 8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.23	28.98
For Seal Class B, Add	7.25	
For Seal Class A, Add	15.46	
For Work In Restricted Working Space, Add	14.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0037 LF 8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.89	30.92
<i>For Seal Class B, Add</i>	7.73	
<i>For Seal Class A, Add</i>	16.48	
<i>For Work In Restricted Working Space, Add</i>	15.45	
23 31 13 13-0038 LF 10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.82	19.32
<i>For Seal Class B, Add</i>	4.83	
<i>For Seal Class A, Add</i>	10.31	
<i>For Work In Restricted Working Space, Add</i>	9.66	
23 31 13 13-0039 LF 10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.50	21.25
<i>For Seal Class B, Add</i>	5.31	
<i>For Seal Class A, Add</i>	11.33	
<i>For Work In Restricted Working Space, Add</i>	10.63	
23 31 13 13-0040 LF 10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.17	23.18
<i>For Seal Class B, Add</i>	5.80	
<i>For Seal Class A, Add</i>	12.36	
<i>For Work In Restricted Working Space, Add</i>	11.59	
23 31 13 13-0041 LF 10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.88	25.12
<i>For Seal Class B, Add</i>	6.28	
<i>For Seal Class A, Add</i>	13.40	
<i>For Work In Restricted Working Space, Add</i>	12.56	
23 31 13 13-0042 LF 10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.54	27.05
<i>For Seal Class B, Add</i>	6.76	
<i>For Seal Class A, Add</i>	14.43	
<i>For Work In Restricted Working Space, Add</i>	13.52	
23 31 13 13-0043 LF 10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.23	28.98
<i>For Seal Class B, Add</i>	7.25	
<i>For Seal Class A, Add</i>	15.46	
<i>For Work In Restricted Working Space, Add</i>	14.49	
23 31 13 13-0044 LF 10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.89	30.92
<i>For Seal Class B, Add</i>	7.73	
<i>For Seal Class A, Add</i>	16.48	
<i>For Work In Restricted Working Space, Add</i>	15.45	
23 31 13 13-0045 LF 10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.61	32.85
<i>For Seal Class B, Add</i>	8.21	
<i>For Seal Class A, Add</i>	17.52	
<i>For Work In Restricted Working Space, Add</i>	16.43	
23 31 13 13-0046 LF 12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.17	23.18
<i>For Seal Class B, Add</i>	5.80	
<i>For Seal Class A, Add</i>	12.36	
<i>For Work In Restricted Working Space, Add</i>	11.59	
23 31 13 13-0047 LF 12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.88	25.12
<i>For Seal Class B, Add</i>	6.28	
<i>For Seal Class A, Add</i>	13.40	
<i>For Work In Restricted Working Space, Add</i>	12.56	
23 31 13 13-0048 LF 12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.54	27.05
<i>For Seal Class B, Add</i>	6.76	
<i>For Seal Class A, Add</i>	14.43	
<i>For Work In Restricted Working Space, Add</i>	13.52	
23 31 13 13-0049 LF 12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.23	28.98
<i>For Seal Class B, Add</i>	7.25	
<i>For Seal Class A, Add</i>	15.46	
<i>For Work In Restricted Working Space, Add</i>	14.49	
23 31 13 13-0050 LF 12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.89	30.92
<i>For Seal Class B, Add</i>	7.73	
<i>For Seal Class A, Add</i>	16.48	
<i>For Work In Restricted Working Space, Add</i>	15.45	
23 31 13 13-0051 LF 12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.61	32.85
<i>For Seal Class B, Add</i>	8.21	
<i>For Seal Class A, Add</i>	17.52	
<i>For Work In Restricted Working Space, Add</i>	16.43	
23 31 13 13-0052 LF 12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.28	34.78
<i>For Seal Class B, Add</i>	8.70	
<i>For Seal Class A, Add</i>	18.55	
<i>For Work In Restricted Working Space, Add</i>	17.39	
23 31 13 13-0053 LF 14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.54	27.05
<i>For Seal Class B, Add</i>	6.76	
<i>For Seal Class A, Add</i>	14.43	
<i>For Work In Restricted Working Space, Add</i>	13.52	
23 31 13 13-0054 LF 14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.23	28.98
<i>For Seal Class B, Add</i>	7.25	
<i>For Seal Class A, Add</i>	15.46	
<i>For Work In Restricted Working Space, Add</i>	14.49	
23 31 13 13-0055 LF 14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.89	30.92
<i>For Seal Class B, Add</i>	7.73	
<i>For Seal Class A, Add</i>	16.48	
<i>For Work In Restricted Working Space, Add</i>	15.45	
23 31 13 13-0056 LF 14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.61	32.85
<i>For Seal Class B, Add</i>	8.21	
<i>For Seal Class A, Add</i>	17.52	
<i>For Work In Restricted Working Space, Add</i>	16.43	
23 31 13 13-0057 LF 14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.28	34.78
<i>For Seal Class B, Add</i>	8.70	
<i>For Seal Class A, Add</i>	18.55	
<i>For Work In Restricted Working Space, Add</i>	17.39	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0058 LF 14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.97	36.71
For Seal Class B, Add	9.18	
For Seal Class A, Add	19.58	
For Work In Restricted Working Space, Add	18.36	
23 31 13 13-0059 LF 16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.89	30.92
For Seal Class B, Add	7.73	
For Seal Class A, Add	16.48	
For Work In Restricted Working Space, Add	15.45	
23 31 13 13-0060 LF 16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.61	32.85
For Seal Class B, Add	8.21	
For Seal Class A, Add	17.52	
For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0061 LF 16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.28	34.78
For Seal Class B, Add	8.70	
For Seal Class A, Add	18.55	
For Work In Restricted Working Space, Add	17.39	
23 31 13 13-0062 LF 16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.97	36.71
For Seal Class B, Add	9.18	
For Seal Class A, Add	19.58	
For Work In Restricted Working Space, Add	18.36	
23 31 13 13-0063 LF 16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.64	38.64
For Seal Class B, Add	9.66	
For Seal Class A, Add	20.61	
For Work In Restricted Working Space, Add	19.32	
23 31 13 13-0064 LF 18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.28	34.78
For Seal Class B, Add	8.70	
For Seal Class A, Add	18.55	
For Work In Restricted Working Space, Add	17.39	
23 31 13 13-0065 LF 18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.97	36.71
For Seal Class B, Add	9.18	
For Seal Class A, Add	19.58	
For Work In Restricted Working Space, Add	18.36	
23 31 13 13-0066 LF 18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.64	38.64
For Seal Class B, Add	9.66	
For Seal Class A, Add	20.61	
For Work In Restricted Working Space, Add	19.32	
23 31 13 13-0067 LF 18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.31	40.57
For Seal Class B, Add	10.14	
For Seal Class A, Add	21.64	
For Work In Restricted Working Space, Add	20.29	
23 31 13 13-0068 LF 20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.64	38.64
For Seal Class B, Add	9.66	
For Seal Class A, Add	20.61	
For Work In Restricted Working Space, Add	19.32	
23 31 13 13-0069 LF 20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.31	40.57
For Seal Class B, Add	10.14	
For Seal Class A, Add	21.64	
For Work In Restricted Working Space, Add	20.29	
23 31 13 13-0070 LF 20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.00	42.50
For Seal Class B, Add	10.63	
For Seal Class A, Add	22.67	
For Work In Restricted Working Space, Add	21.25	
23 31 13 13-0071 LF 22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.00	42.50
For Seal Class B, Add	10.63	
For Seal Class A, Add	22.67	
For Work In Restricted Working Space, Add	21.25	
23 31 13 13-0072 LF 22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.67	44.44
For Seal Class B, Add	11.11	
For Seal Class A, Add	23.70	
For Work In Restricted Working Space, Add	22.22	
23 31 13 13-0073 LF 24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.38	46.37
For Seal Class B, Add	11.59	
For Seal Class A, Add	24.73	
For Work In Restricted Working Space, Add	23.19	
23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0075 LF 4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	17.53	9.20
For Seal Class B, Add	2.30	
For Seal Class A, Add	4.91	
For Work In Restricted Working Space, Add	4.60	
23 31 13 13-0076 LF 4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.93	11.50
For Seal Class B, Add	2.88	
For Seal Class A, Add	6.13	
For Work In Restricted Working Space, Add	5.75	
23 31 13 13-0077 LF 4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.31	13.80
For Seal Class B, Add	3.45	
For Seal Class A, Add	7.36	
For Work In Restricted Working Space, Add	6.90	
23 31 13 13-0078 LF 4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.67	16.10
For Seal Class B, Add	4.02	
For Seal Class A, Add	8.59	
For Work In Restricted Working Space, Add	8.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0079 LF 4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.07	18.41
<i>For Seal Class B, Add</i>	4.60	
<i>For Seal Class A, Add</i>	9.81	
<i>For Work In Restricted Working Space, Add</i>	9.20	
23 31 13 13-0080 LF 4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.45	20.70
<i>For Seal Class B, Add</i>	5.18	
<i>For Seal Class A, Add</i>	11.04	
<i>For Work In Restricted Working Space, Add</i>	10.35	
23 31 13 13-0081 LF 4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.83	23.01
<i>For Seal Class B, Add</i>	5.75	
<i>For Seal Class A, Add</i>	12.27	
<i>For Work In Restricted Working Space, Add</i>	11.50	
23 31 13 13-0082 LF 6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.31	13.80
<i>For Seal Class B, Add</i>	3.45	
<i>For Seal Class A, Add</i>	7.36	
<i>For Work In Restricted Working Space, Add</i>	6.90	
23 31 13 13-0083 LF 6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.67	16.10
<i>For Seal Class B, Add</i>	4.02	
<i>For Seal Class A, Add</i>	8.59	
<i>For Work In Restricted Working Space, Add</i>	8.05	
23 31 13 13-0084 LF 6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.07	18.41
<i>For Seal Class B, Add</i>	4.60	
<i>For Seal Class A, Add</i>	9.81	
<i>For Work In Restricted Working Space, Add</i>	9.20	
23 31 13 13-0085 LF 6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.45	20.70
<i>For Seal Class B, Add</i>	5.18	
<i>For Seal Class A, Add</i>	11.04	
<i>For Work In Restricted Working Space, Add</i>	10.35	
23 31 13 13-0086 LF 6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.83	23.01
<i>For Seal Class B, Add</i>	5.75	
<i>For Seal Class A, Add</i>	12.27	
<i>For Work In Restricted Working Space, Add</i>	11.50	
23 31 13 13-0087 LF 6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.23	25.30
<i>For Seal Class B, Add</i>	6.33	
<i>For Seal Class A, Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	12.65	
23 31 13 13-0088 LF 8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.07	18.41
<i>For Seal Class B, Add</i>	4.60	
<i>For Seal Class A, Add</i>	9.81	
<i>For Work In Restricted Working Space, Add</i>	9.20	
23 31 13 13-0089 LF 8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.45	20.70
<i>For Seal Class B, Add</i>	5.18	
<i>For Seal Class A, Add</i>	11.04	
<i>For Work In Restricted Working Space, Add</i>	10.35	
23 31 13 13-0090 LF 8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.83	23.01
<i>For Seal Class B, Add</i>	5.75	
<i>For Seal Class A, Add</i>	12.27	
<i>For Work In Restricted Working Space, Add</i>	11.50	
23 31 13 13-0091 LF 8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.23	25.30
<i>For Seal Class B, Add</i>	6.33	
<i>For Seal Class A, Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	12.65	
23 31 13 13-0092 LF 8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.60	27.60
<i>For Seal Class B, Add</i>	6.90	
<i>For Seal Class A, Add</i>	14.72	
<i>For Work In Restricted Working Space, Add</i>	13.80	
23 31 13 13-0093 LF 8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.98	29.90
<i>For Seal Class B, Add</i>	7.48	
<i>For Seal Class A, Add</i>	15.95	
<i>For Work In Restricted Working Space, Add</i>	14.95	
23 31 13 13-0094 LF 8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.37	32.21
<i>For Seal Class B, Add</i>	8.05	
<i>For Seal Class A, Add</i>	17.17	
<i>For Work In Restricted Working Space, Add</i>	16.10	
23 31 13 13-0095 LF 8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.74	34.50
<i>For Seal Class B, Add</i>	8.63	
<i>For Seal Class A, Add</i>	18.40	
<i>For Work In Restricted Working Space, Add</i>	17.25	
23 31 13 13-0096 LF 8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.14	36.80
<i>For Seal Class B, Add</i>	9.20	
<i>For Seal Class A, Add</i>	19.63	
<i>For Work In Restricted Working Space, Add</i>	18.40	
23 31 13 13-0097 LF 10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.83	23.01
<i>For Seal Class B, Add</i>	5.75	
<i>For Seal Class A, Add</i>	12.27	
<i>For Work In Restricted Working Space, Add</i>	11.50	
23 31 13 13-0098 LF 10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.23	25.30
<i>For Seal Class B, Add</i>	6.33	
<i>For Seal Class A, Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	12.65	
23 31 13 13-0099 LF 10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.60	27.60
<i>For Seal Class B, Add</i>	6.90	
<i>For Seal Class A, Add</i>	14.72	
<i>For Work In Restricted Working Space, Add</i>	13.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0100 LF 10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.98	29.90
For Seal Class B, Add	7.48	
For Seal Class A, Add	15.95	
For Work In Restricted Working Space, Add	14.95	
23 31 13 13-0101 LF 10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.37	32.21
For Seal Class B, Add	8.05	
For Seal Class A, Add	17.17	
For Work In Restricted Working Space, Add	16.10	
23 31 13 13-0102 LF 10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.74	34.50
For Seal Class B, Add	8.63	
For Seal Class A, Add	18.40	
For Work In Restricted Working Space, Add	17.25	
23 31 13 13-0103 LF 10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.14	36.80
For Seal Class B, Add	9.20	
For Seal Class A, Add	19.63	
For Work In Restricted Working Space, Add	18.40	
23 31 13 13-0104 LF 10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.53	39.11
For Seal Class B, Add	9.78	
For Seal Class A, Add	20.86	
For Work In Restricted Working Space, Add	19.55	
23 31 13 13-0105 LF 12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.60	27.60
For Seal Class B, Add	6.90	
For Seal Class A, Add	14.72	
For Work In Restricted Working Space, Add	13.80	
23 31 13 13-0106 LF 12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.98	29.90
For Seal Class B, Add	7.48	
For Seal Class A, Add	15.95	
For Work In Restricted Working Space, Add	14.95	
23 31 13 13-0107 LF 12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.37	32.21
For Seal Class B, Add	8.05	
For Seal Class A, Add	17.17	
For Work In Restricted Working Space, Add	16.10	
23 31 13 13-0108 LF 12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.74	34.50
For Seal Class B, Add	8.63	
For Seal Class A, Add	18.40	
For Work In Restricted Working Space, Add	17.25	
23 31 13 13-0109 LF 12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.14	36.80
For Seal Class B, Add	9.20	
For Seal Class A, Add	19.63	
For Work In Restricted Working Space, Add	18.40	
23 31 13 13-0110 LF 12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.53	39.11
For Seal Class B, Add	9.78	
For Seal Class A, Add	20.86	
For Work In Restricted Working Space, Add	19.55	
23 31 13 13-0111 LF 12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.90	41.40
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.08	
For Work In Restricted Working Space, Add	20.70	
23 31 13 13-0112 LF 14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.37	32.21
For Seal Class B, Add	8.05	
For Seal Class A, Add	17.17	
For Work In Restricted Working Space, Add	16.10	
23 31 13 13-0113 LF 14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.74	34.50
For Seal Class B, Add	8.63	
For Seal Class A, Add	18.40	
For Work In Restricted Working Space, Add	17.25	
23 31 13 13-0114 LF 14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.14	36.80
For Seal Class B, Add	9.20	
For Seal Class A, Add	19.63	
For Work In Restricted Working Space, Add	18.40	
23 31 13 13-0115 LF 14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.53	39.11
For Seal Class B, Add	9.78	
For Seal Class A, Add	20.86	
For Work In Restricted Working Space, Add	19.55	
23 31 13 13-0116 LF 14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.90	41.40
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.08	
For Work In Restricted Working Space, Add	20.70	
23 31 13 13-0117 LF 14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.30	43.70
For Seal Class B, Add	10.93	
For Seal Class A, Add	23.31	
For Work In Restricted Working Space, Add	21.85	
23 31 13 13-0118 LF 16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.14	36.80
For Seal Class B, Add	9.20	
For Seal Class A, Add	19.63	
For Work In Restricted Working Space, Add	18.40	
23 31 13 13-0119 LF 16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.53	39.11
For Seal Class B, Add	9.78	
For Seal Class A, Add	20.86	
For Work In Restricted Working Space, Add	19.55	
23 31 13 13-0120 LF 16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.90	41.40
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.08	
For Work In Restricted Working Space, Add	20.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0121 LF 16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.30	43.70
<i>For Seal Class B, Add</i>	10.93	
<i>For Seal Class A, Add</i>	23.31	
<i>For Work In Restricted Working Space, Add</i>	21.85	
23 31 13 13-0122 LF 16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.68	46.01
<i>For Seal Class B, Add</i>	11.50	
<i>For Seal Class A, Add</i>	24.54	
<i>For Work In Restricted Working Space, Add</i>	23.00	
23 31 13 13-0123 LF 18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.90	41.40
<i>For Seal Class B, Add</i>	10.35	
<i>For Seal Class A, Add</i>	22.08	
<i>For Work In Restricted Working Space, Add</i>	20.70	
23 31 13 13-0124 LF 18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.30	43.70
<i>For Seal Class B, Add</i>	10.93	
<i>For Seal Class A, Add</i>	23.31	
<i>For Work In Restricted Working Space, Add</i>	21.85	
23 31 13 13-0125 LF 18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.68	46.01
<i>For Seal Class B, Add</i>	11.50	
<i>For Seal Class A, Add</i>	24.54	
<i>For Work In Restricted Working Space, Add</i>	23.00	
23 31 13 13-0126 LF 18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.05	48.31
<i>For Seal Class B, Add</i>	12.08	
<i>For Seal Class A, Add</i>	25.76	
<i>For Work In Restricted Working Space, Add</i>	24.15	
23 31 13 13-0127 LF 20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.68	46.01
<i>For Seal Class B, Add</i>	11.50	
<i>For Seal Class A, Add</i>	24.54	
<i>For Work In Restricted Working Space, Add</i>	23.00	
23 31 13 13-0128 LF 20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.05	48.31
<i>For Seal Class B, Add</i>	12.08	
<i>For Seal Class A, Add</i>	25.76	
<i>For Work In Restricted Working Space, Add</i>	24.15	
23 31 13 13-0129 LF 20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.44	50.61
<i>For Seal Class B, Add</i>	12.65	
<i>For Seal Class A, Add</i>	26.99	
<i>For Work In Restricted Working Space, Add</i>	25.30	
23 31 13 13-0130 LF 22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.44	50.61
<i>For Seal Class B, Add</i>	12.65	
<i>For Seal Class A, Add</i>	26.99	
<i>For Work In Restricted Working Space, Add</i>	25.30	
23 31 13 13-0131 LF 22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.82	52.90
<i>For Seal Class B, Add</i>	13.23	
<i>For Seal Class A, Add</i>	28.21	
<i>For Work In Restricted Working Space, Add</i>	26.45	
23 31 13 13-0132 LF 24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.20	55.21
<i>For Seal Class B, Add</i>	13.80	
<i>For Seal Class A, Add</i>	29.44	
<i>For Work In Restricted Working Space, Add</i>	27.60	
23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0134 LF 4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.34	10.67
<i>For Seal Class B, Add</i>	2.67	
<i>For Seal Class A, Add</i>	5.69	
<i>For Work In Restricted Working Space, Add</i>	5.34	
23 31 13 13-0135 LF 4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.43	13.33
<i>For Seal Class B, Add</i>	3.34	
<i>For Seal Class A, Add</i>	7.12	
<i>For Work In Restricted Working Space, Add</i>	6.67	
23 31 13 13-0136 LF 4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.51	16.02
<i>For Seal Class B, Add</i>	4.00	
<i>For Seal Class A, Add</i>	8.54	
<i>For Work In Restricted Working Space, Add</i>	8.00	
23 31 13 13-0137 LF 4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.59	18.69
<i>For Seal Class B, Add</i>	4.67	
<i>For Seal Class A, Add</i>	9.96	
<i>For Work In Restricted Working Space, Add</i>	9.34	
23 31 13 13-0138 LF 4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.67	21.35
<i>For Seal Class B, Add</i>	5.34	
<i>For Seal Class A, Add</i>	11.38	
<i>For Work In Restricted Working Space, Add</i>	10.67	
23 31 13 13-0139 LF 4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.76	24.01
<i>For Seal Class B, Add</i>	6.00	
<i>For Seal Class A, Add</i>	12.81	
<i>For Work In Restricted Working Space, Add</i>	12.01	
23 31 13 13-0140 LF 4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.84	26.68
<i>For Seal Class B, Add</i>	6.67	
<i>For Seal Class A, Add</i>	14.23	
<i>For Work In Restricted Working Space, Add</i>	13.34	
23 31 13 13-0141 LF 6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.51	16.02
<i>For Seal Class B, Add</i>	4.00	
<i>For Seal Class A, Add</i>	8.54	
<i>For Work In Restricted Working Space, Add</i>	8.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0142 LF 6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.59	18.69
For Seal Class B, Add	4.67	
For Seal Class A, Add	9.96	
For Work In Restricted Working Space, Add	9.34	
23 31 13 13-0143 LF 6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.67	21.35
For Seal Class B, Add	5.34	
For Seal Class A, Add	11.38	
For Work In Restricted Working Space, Add	10.67	
23 31 13 13-0144 LF 6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.76	24.01
For Seal Class B, Add	6.00	
For Seal Class A, Add	12.81	
For Work In Restricted Working Space, Add	12.01	
23 31 13 13-0145 LF 6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.84	26.68
For Seal Class B, Add	6.67	
For Seal Class A, Add	14.23	
For Work In Restricted Working Space, Add	13.34	
23 31 13 13-0146 LF 6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.95	29.35
For Seal Class B, Add	7.34	
For Seal Class A, Add	15.66	
For Work In Restricted Working Space, Add	14.68	
23 31 13 13-0147 LF 8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.67	21.35
For Seal Class B, Add	5.34	
For Seal Class A, Add	11.38	
For Work In Restricted Working Space, Add	10.67	
23 31 13 13-0148 LF 8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.76	24.01
For Seal Class B, Add	6.00	
For Seal Class A, Add	12.81	
For Work In Restricted Working Space, Add	12.01	
23 31 13 13-0149 LF 8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.85	26.68
For Seal Class B, Add	6.67	
For Seal Class A, Add	14.23	
For Work In Restricted Working Space, Add	13.34	
23 31 13 13-0150 LF 8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.95	29.35
For Seal Class B, Add	7.34	
For Seal Class A, Add	15.66	
For Work In Restricted Working Space, Add	14.68	
23 31 13 13-0151 LF 8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.03	32.02
For Seal Class B, Add	8.01	
For Seal Class A, Add	17.08	
For Work In Restricted Working Space, Add	16.01	
23 31 13 13-0152 LF 8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.11	34.69
For Seal Class B, Add	8.67	
For Seal Class A, Add	18.50	
For Work In Restricted Working Space, Add	17.35	
23 31 13 13-0153 LF 8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.19	37.36
For Seal Class B, Add	9.34	
For Seal Class A, Add	19.93	
For Work In Restricted Working Space, Add	18.68	
23 31 13 13-0154 LF 8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.29	40.02
For Seal Class B, Add	10.01	
For Seal Class A, Add	21.35	
For Work In Restricted Working Space, Add	20.01	
23 31 13 13-0155 LF 8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.36	42.69
For Seal Class B, Add	10.67	
For Seal Class A, Add	22.77	
For Work In Restricted Working Space, Add	21.35	
23 31 13 13-0156 LF 10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.85	26.68
For Seal Class B, Add	6.67	
For Seal Class A, Add	14.23	
For Work In Restricted Working Space, Add	13.34	
23 31 13 13-0157 LF 10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.95	29.35
For Seal Class B, Add	7.34	
For Seal Class A, Add	15.66	
For Work In Restricted Working Space, Add	14.68	
23 31 13 13-0158 LF 10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.03	32.02
For Seal Class B, Add	8.01	
For Seal Class A, Add	17.08	
For Work In Restricted Working Space, Add	16.01	
23 31 13 13-0159 LF 10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.11	34.69
For Seal Class B, Add	8.67	
For Seal Class A, Add	18.50	
For Work In Restricted Working Space, Add	17.35	
23 31 13 13-0160 LF 10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.19	37.36
For Seal Class B, Add	9.34	
For Seal Class A, Add	19.93	
For Work In Restricted Working Space, Add	18.68	
23 31 13 13-0161 LF 10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.29	40.02
For Seal Class B, Add	10.01	
For Seal Class A, Add	21.35	
For Work In Restricted Working Space, Add	20.01	
23 31 13 13-0162 LF 10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.36	42.69
For Seal Class B, Add	10.67	
For Seal Class A, Add	22.77	
For Work In Restricted Working Space, Add	21.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0163 LF 10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.45	45.37
For Seal Class B, Add	11.34	
For Seal Class A, Add	24.20	
For Work In Restricted Working Space, Add	22.68	
23 31 13 13-0164 LF 12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.02	32.02
For Seal Class B, Add	8.01	
For Seal Class A, Add	17.08	
For Work In Restricted Working Space, Add	16.01	
23 31 13 13-0165 LF 12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.11	34.69
For Seal Class B, Add	8.67	
For Seal Class A, Add	18.50	
For Work In Restricted Working Space, Add	17.35	
23 31 13 13-0166 LF 12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.19	37.36
For Seal Class B, Add	9.34	
For Seal Class A, Add	19.93	
For Work In Restricted Working Space, Add	18.68	
23 31 13 13-0167 LF 12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.29	40.02
For Seal Class B, Add	10.01	
For Seal Class A, Add	21.35	
For Work In Restricted Working Space, Add	20.01	
23 31 13 13-0168 LF 12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.36	42.69
For Seal Class B, Add	10.67	
For Seal Class A, Add	22.77	
For Work In Restricted Working Space, Add	21.35	
23 31 13 13-0169 LF 12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.45	45.37
For Seal Class B, Add	11.34	
For Seal Class A, Add	24.20	
For Work In Restricted Working Space, Add	22.68	
23 31 13 13-0170 LF 12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.53	48.04
For Seal Class B, Add	12.01	
For Seal Class A, Add	25.62	
For Work In Restricted Working Space, Add	24.02	
23 31 13 13-0171 LF 14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.19	37.36
For Seal Class B, Add	9.34	
For Seal Class A, Add	19.93	
For Work In Restricted Working Space, Add	18.68	
23 31 13 13-0172 LF 14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.29	40.02
For Seal Class B, Add	10.01	
For Seal Class A, Add	21.35	
For Work In Restricted Working Space, Add	20.01	
23 31 13 13-0173 LF 14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.36	42.69
For Seal Class B, Add	10.67	
For Seal Class A, Add	22.77	
For Work In Restricted Working Space, Add	21.35	
23 31 13 13-0174 LF 14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.45	45.37
For Seal Class B, Add	11.34	
For Seal Class A, Add	24.20	
For Work In Restricted Working Space, Add	22.68	
23 31 13 13-0175 LF 14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.53	48.04
For Seal Class B, Add	12.01	
For Seal Class A, Add	25.62	
For Work In Restricted Working Space, Add	24.02	
23 31 13 13-0176 LF 14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.63	50.71
For Seal Class B, Add	12.68	
For Seal Class A, Add	27.04	
For Work In Restricted Working Space, Add	25.35	
23 31 13 13-0177 LF 16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.36	42.69
For Seal Class B, Add	10.67	
For Seal Class A, Add	22.77	
For Work In Restricted Working Space, Add	21.35	
23 31 13 13-0178 LF 16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.45	45.37
For Seal Class B, Add	11.34	
For Seal Class A, Add	24.20	
For Work In Restricted Working Space, Add	22.68	
23 31 13 13-0179 LF 16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.53	48.04
For Seal Class B, Add	12.01	
For Seal Class A, Add	25.62	
For Work In Restricted Working Space, Add	24.02	
23 31 13 13-0180 LF 16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.63	50.71
For Seal Class B, Add	12.68	
For Seal Class A, Add	27.04	
For Work In Restricted Working Space, Add	25.35	
23 31 13 13-0181 LF 16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.71	53.37
For Seal Class B, Add	13.34	
For Seal Class A, Add	28.46	
For Work In Restricted Working Space, Add	26.69	
23 31 13 13-0182 LF 18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.53	48.04
For Seal Class B, Add	12.01	
For Seal Class A, Add	25.62	
For Work In Restricted Working Space, Add	24.02	
23 31 13 13-0183 LF 18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.63	50.71
For Seal Class B, Add	12.68	
For Seal Class A, Add	27.04	
For Work In Restricted Working Space, Add	25.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0184 LF 18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.71	53.37
For Seal Class B, Add	13.34	
For Seal Class A, Add	28.46	
For Work In Restricted Working Space, Add	26.69	
23 31 13 13-0185 LF 18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.78	56.03
For Seal Class B, Add	14.01	
For Seal Class A, Add	29.88	
For Work In Restricted Working Space, Add	28.02	
23 31 13 13-0186 LF 20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.71	53.37
For Seal Class B, Add	13.34	
For Seal Class A, Add	28.46	
For Work In Restricted Working Space, Add	26.69	
23 31 13 13-0187 LF 20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.78	56.03
For Seal Class B, Add	14.01	
For Seal Class A, Add	29.88	
For Work In Restricted Working Space, Add	28.02	
23 31 13 13-0188 LF 20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.86	58.70
For Seal Class B, Add	14.68	
For Seal Class A, Add	31.31	
For Work In Restricted Working Space, Add	29.35	
23 31 13 13-0189 LF 22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.86	58.70
For Seal Class B, Add	14.68	
For Seal Class A, Add	31.31	
For Work In Restricted Working Space, Add	29.35	
23 31 13 13-0190 LF 22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.96	61.37
For Seal Class B, Add	15.34	
For Seal Class A, Add	32.73	
For Work In Restricted Working Space, Add	30.68	
23 31 13 13-0191 LF 24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.05	64.04
For Seal Class B, Add	16.01	
For Seal Class A, Add	34.16	
For Work In Restricted Working Space, Add	32.02	
23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0193 LF 4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.86	16.56
For Seal Class B, Add	4.14	
For Seal Class A, Add	8.84	
For Work In Restricted Working Space, Add	8.28	
23 31 13 13-0194 LF 4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.59	20.70
For Seal Class B, Add	5.18	
For Seal Class A, Add	11.05	
For Work In Restricted Working Space, Add	10.36	
23 31 13 13-0195 LF 4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.29	24.84
For Seal Class B, Add	6.21	
For Seal Class A, Add	13.25	
For Work In Restricted Working Space, Add	12.42	
23 31 13 13-0196 LF 4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.01	28.99
For Seal Class B, Add	7.25	
For Seal Class A, Add	15.46	
For Work In Restricted Working Space, Add	14.49	
23 31 13 13-0197 LF 4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.72	33.14
For Seal Class B, Add	8.28	
For Seal Class A, Add	17.67	
For Work In Restricted Working Space, Add	16.56	
23 31 13 13-0198 LF 4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.44	37.27
For Seal Class B, Add	9.32	
For Seal Class A, Add	19.88	
For Work In Restricted Working Space, Add	18.64	
23 31 13 13-0199 LF 4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.16	41.41
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.09	
For Work In Restricted Working Space, Add	20.71	
23 31 13 13-0200 LF 6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.29	24.84
For Seal Class B, Add	6.21	
For Seal Class A, Add	13.25	
For Work In Restricted Working Space, Add	12.42	
23 31 13 13-0201 LF 6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.01	28.99
For Seal Class B, Add	7.25	
For Seal Class A, Add	15.46	
For Work In Restricted Working Space, Add	14.49	
23 31 13 13-0202 LF 6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.72	33.14
For Seal Class B, Add	8.28	
For Seal Class A, Add	17.67	
For Work In Restricted Working Space, Add	16.56	
23 31 13 13-0203 LF 6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.44	37.27
For Seal Class B, Add	9.32	
For Seal Class A, Add	19.88	
For Work In Restricted Working Space, Add	18.64	
23 31 13 13-0204 LF 6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.16	41.41
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.09	
For Work In Restricted Working Space, Add	20.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0205 LF 6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.87	45.55
<i>For Seal Class B, Add</i>	11.39	
<i>For Seal Class A, Add</i>	24.29	
<i>For Work In Restricted Working Space, Add</i>	22.78	
23 31 13 13-0206 LF 8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.72	33.14
<i>For Seal Class B, Add</i>	8.28	
<i>For Seal Class A, Add</i>	17.67	
<i>For Work In Restricted Working Space, Add</i>	16.56	
23 31 13 13-0207 LF 8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.44	37.27
<i>For Seal Class B, Add</i>	9.32	
<i>For Seal Class A, Add</i>	19.88	
<i>For Work In Restricted Working Space, Add</i>	18.64	
23 31 13 13-0208 LF 8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.16	41.41
<i>For Seal Class B, Add</i>	10.35	
<i>For Seal Class A, Add</i>	22.09	
<i>For Work In Restricted Working Space, Add</i>	20.71	
23 31 13 13-0209 LF 8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.87	45.55
<i>For Seal Class B, Add</i>	11.39	
<i>For Seal Class A, Add</i>	24.29	
<i>For Work In Restricted Working Space, Add</i>	22.78	
23 31 13 13-0210 LF 8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.59	49.69
<i>For Seal Class B, Add</i>	12.42	
<i>For Seal Class A, Add</i>	26.51	
<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13 13-0211 LF 8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.31	53.84
<i>For Seal Class B, Add</i>	13.46	
<i>For Seal Class A, Add</i>	28.71	
<i>For Work In Restricted Working Space, Add</i>	26.92	
23 31 13 13-0212 LF 8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.01	57.98
<i>For Seal Class B, Add</i>	14.49	
<i>For Seal Class A, Add</i>	30.92	
<i>For Work In Restricted Working Space, Add</i>	28.99	
23 31 13 13-0213 LF 8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.73	62.12
<i>For Seal Class B, Add</i>	15.53	
<i>For Seal Class A, Add</i>	33.13	
<i>For Work In Restricted Working Space, Add</i>	31.06	
23 31 13 13-0214 LF 8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.45	66.25
<i>For Seal Class B, Add</i>	16.56	
<i>For Seal Class A, Add</i>	35.34	
<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13 13-0215 LF 10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.16	41.41
<i>For Seal Class B, Add</i>	10.35	
<i>For Seal Class A, Add</i>	22.09	
<i>For Work In Restricted Working Space, Add</i>	20.71	
23 31 13 13-0216 LF 10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.87	45.55
<i>For Seal Class B, Add</i>	11.39	
<i>For Seal Class A, Add</i>	24.29	
<i>For Work In Restricted Working Space, Add</i>	22.78	
23 31 13 13-0217 LF 10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.59	49.69
<i>For Seal Class B, Add</i>	12.42	
<i>For Seal Class A, Add</i>	26.51	
<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13 13-0218 LF 10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.31	53.84
<i>For Seal Class B, Add</i>	13.46	
<i>For Seal Class A, Add</i>	28.71	
<i>For Work In Restricted Working Space, Add</i>	26.92	
23 31 13 13-0219 LF 10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.01	57.98
<i>For Seal Class B, Add</i>	14.49	
<i>For Seal Class A, Add</i>	30.92	
<i>For Work In Restricted Working Space, Add</i>	28.99	
23 31 13 13-0220 LF 10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.73	62.12
<i>For Seal Class B, Add</i>	15.53	
<i>For Seal Class A, Add</i>	33.13	
<i>For Work In Restricted Working Space, Add</i>	31.06	
23 31 13 13-0221 LF 10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.45	66.25
<i>For Seal Class B, Add</i>	16.56	
<i>For Seal Class A, Add</i>	35.34	
<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13 13-0222 LF 10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.16	70.40
<i>For Seal Class B, Add</i>	17.60	
<i>For Seal Class A, Add</i>	37.55	
<i>For Work In Restricted Working Space, Add</i>	35.20	
23 31 13 13-0223 LF 10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.88	74.53
<i>For Seal Class B, Add</i>	18.63	
<i>For Seal Class A, Add</i>	39.75	
<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13 13-0224 LF 10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.60	78.68
<i>For Seal Class B, Add</i>	19.67	
<i>For Seal Class A, Add</i>	41.96	
<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13 13-0225 LF 10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.31	82.83
<i>For Seal Class B, Add</i>	20.71	
<i>For Seal Class A, Add</i>	44.17	
<i>For Work In Restricted Working Space, Add</i>	41.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.59	49.69
			<i>For Seal Class B, Add</i>	12.42	
			<i>For Seal Class A, Add</i>	26.51	
			<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13	13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.31	53.84
			<i>For Seal Class B, Add</i>	13.46	
			<i>For Seal Class A, Add</i>	28.71	
			<i>For Work In Restricted Working Space, Add</i>	26.92	
23 31 13	13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.01	57.98
			<i>For Seal Class B, Add</i>	14.49	
			<i>For Seal Class A, Add</i>	30.92	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
23 31 13	13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.73	62.12
			<i>For Seal Class B, Add</i>	15.53	
			<i>For Seal Class A, Add</i>	33.13	
			<i>For Work In Restricted Working Space, Add</i>	31.06	
23 31 13	13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.45	66.25
			<i>For Seal Class B, Add</i>	16.56	
			<i>For Seal Class A, Add</i>	35.34	
			<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13	13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.16	70.40
			<i>For Seal Class B, Add</i>	17.60	
			<i>For Seal Class A, Add</i>	37.55	
			<i>For Work In Restricted Working Space, Add</i>	35.20	
23 31 13	13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.88	74.53
			<i>For Seal Class B, Add</i>	18.63	
			<i>For Seal Class A, Add</i>	39.75	
			<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13	13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.60	78.68
			<i>For Seal Class B, Add</i>	19.67	
			<i>For Seal Class A, Add</i>	41.96	
			<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13	13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.31	82.83
			<i>For Seal Class B, Add</i>	20.71	
			<i>For Seal Class A, Add</i>	44.17	
			<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13	13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.02	86.97
			<i>For Seal Class B, Add</i>	21.74	
			<i>For Seal Class A, Add</i>	46.38	
			<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13	13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.01	57.98
			<i>For Seal Class B, Add</i>	14.49	
			<i>For Seal Class A, Add</i>	30.92	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
23 31 13	13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.73	62.12
			<i>For Seal Class B, Add</i>	15.53	
			<i>For Seal Class A, Add</i>	33.13	
			<i>For Work In Restricted Working Space, Add</i>	31.06	
23 31 13	13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.45	66.25
			<i>For Seal Class B, Add</i>	16.56	
			<i>For Seal Class A, Add</i>	35.34	
			<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13	13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.16	70.40
			<i>For Seal Class B, Add</i>	17.60	
			<i>For Seal Class A, Add</i>	37.55	
			<i>For Work In Restricted Working Space, Add</i>	35.20	
23 31 13	13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.88	74.53
			<i>For Seal Class B, Add</i>	18.63	
			<i>For Seal Class A, Add</i>	39.75	
			<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13	13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.60	78.68
			<i>For Seal Class B, Add</i>	19.67	
			<i>For Seal Class A, Add</i>	41.96	
			<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13	13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.31	82.83
			<i>For Seal Class B, Add</i>	20.71	
			<i>For Seal Class A, Add</i>	44.17	
			<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13	13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.02	86.97
			<i>For Seal Class B, Add</i>	21.74	
			<i>For Seal Class A, Add</i>	46.38	
			<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13	13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.73	91.10
			<i>For Seal Class B, Add</i>	22.77	
			<i>For Seal Class A, Add</i>	48.59	
			<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13	13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.45	66.25
			<i>For Seal Class B, Add</i>	16.56	
			<i>For Seal Class A, Add</i>	35.34	
			<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13	13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.16	70.40
			<i>For Seal Class B, Add</i>	17.60	
			<i>For Seal Class A, Add</i>	37.55	
			<i>For Work In Restricted Working Space, Add</i>	35.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0247 LF 16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.88	74.53
<i>For Seal Class B, Add</i>	18.63	
<i>For Seal Class A, Add</i>	39.75	
<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13 13-0248 LF 16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.60	78.68
<i>For Seal Class B, Add</i>	19.67	
<i>For Seal Class A, Add</i>	41.96	
<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13 13-0249 LF 16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.31	82.83
<i>For Seal Class B, Add</i>	20.71	
<i>For Seal Class A, Add</i>	44.17	
<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13 13-0250 LF 16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.02	86.97
<i>For Seal Class B, Add</i>	21.74	
<i>For Seal Class A, Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13 13-0251 LF 16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.73	91.10
<i>For Seal Class B, Add</i>	22.77	
<i>For Seal Class A, Add</i>	48.59	
<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13 13-0252 LF 16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.46	95.24
<i>For Seal Class B, Add</i>	23.81	
<i>For Seal Class A, Add</i>	50.80	
<i>For Work In Restricted Working Space, Add</i>	47.62	
23 31 13 13-0253 LF 18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.88	74.53
<i>For Seal Class B, Add</i>	18.63	
<i>For Seal Class A, Add</i>	39.75	
<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13 13-0254 LF 18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.60	78.68
<i>For Seal Class B, Add</i>	19.67	
<i>For Seal Class A, Add</i>	41.96	
<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13 13-0255 LF 18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.31	82.83
<i>For Seal Class B, Add</i>	20.71	
<i>For Seal Class A, Add</i>	44.17	
<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13 13-0256 LF 18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.02	86.97
<i>For Seal Class B, Add</i>	21.74	
<i>For Seal Class A, Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13 13-0257 LF 18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.73	91.10
<i>For Seal Class B, Add</i>	22.77	
<i>For Seal Class A, Add</i>	48.59	
<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13 13-0258 LF 18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.46	95.24
<i>For Seal Class B, Add</i>	23.81	
<i>For Seal Class A, Add</i>	50.80	
<i>For Work In Restricted Working Space, Add</i>	47.62	
23 31 13 13-0259 LF 18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.18	99.39
<i>For Seal Class B, Add</i>	24.85	
<i>For Seal Class A, Add</i>	53.01	
<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13 13-0260 LF 20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.31	82.83
<i>For Seal Class B, Add</i>	20.71	
<i>For Seal Class A, Add</i>	44.17	
<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13 13-0261 LF 20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.02	86.97
<i>For Seal Class B, Add</i>	21.74	
<i>For Seal Class A, Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13 13-0262 LF 20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.73	91.10
<i>For Seal Class B, Add</i>	22.77	
<i>For Seal Class A, Add</i>	48.59	
<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13 13-0263 LF 20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.46	95.24
<i>For Seal Class B, Add</i>	23.81	
<i>For Seal Class A, Add</i>	50.80	
<i>For Work In Restricted Working Space, Add</i>	47.62	
23 31 13 13-0264 LF 20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.18	99.39
<i>For Seal Class B, Add</i>	24.85	
<i>For Seal Class A, Add</i>	53.01	
<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13 13-0265 LF 20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.88	103.52
<i>For Seal Class B, Add</i>	25.88	
<i>For Seal Class A, Add</i>	55.21	
<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13 13-0266 LF 22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.73	91.10
<i>For Seal Class B, Add</i>	22.77	
<i>For Seal Class A, Add</i>	48.59	
<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13 13-0267 LF 22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.46	95.24
<i>For Seal Class B, Add</i>	23.81	
<i>For Seal Class A, Add</i>	50.80	
<i>For Work In Restricted Working Space, Add</i>	47.62	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.18	99.39
		<i>For Seal Class B, Add</i>	24.85	
		<i>For Seal Class A, Add</i>	53.01	
		<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.88	103.52
		<i>For Seal Class B, Add</i>	25.88	
		<i>For Seal Class A, Add</i>	55.21	
		<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.61	107.67
		<i>For Seal Class B, Add</i>	26.92	
		<i>For Seal Class A, Add</i>	57.42	
		<i>For Work In Restricted Working Space, Add</i>	53.84	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.18	99.39
		<i>For Seal Class B, Add</i>	24.85	
		<i>For Seal Class A, Add</i>	53.01	
		<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.88	103.52
		<i>For Seal Class B, Add</i>	25.88	
		<i>For Seal Class A, Add</i>	55.21	
		<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.61	107.67
		<i>For Seal Class B, Add</i>	26.92	
		<i>For Seal Class A, Add</i>	57.42	
		<i>For Work In Restricted Working Space, Add</i>	53.84	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.32	111.82
		<i>For Seal Class B, Add</i>	27.95	
		<i>For Seal Class A, Add</i>	59.63	
		<i>For Work In Restricted Working Space, Add</i>	55.91	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.61	107.67
		<i>For Seal Class B, Add</i>	26.92	
		<i>For Seal Class A, Add</i>	57.42	
		<i>For Work In Restricted Working Space, Add</i>	53.84	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.32	111.82
		<i>For Seal Class B, Add</i>	27.95	
		<i>For Seal Class A, Add</i>	59.63	
		<i>For Work In Restricted Working Space, Add</i>	55.91	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.02	115.94
		<i>For Seal Class B, Add</i>	28.99	
		<i>For Seal Class A, Add</i>	61.84	
		<i>For Work In Restricted Working Space, Add</i>	57.97	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.02	115.94
		<i>For Seal Class B, Add</i>	28.99	
		<i>For Seal Class A, Add</i>	61.84	
		<i>For Work In Restricted Working Space, Add</i>	57.97	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.74	120.09
		<i>For Seal Class B, Add</i>	30.02	
		<i>For Seal Class A, Add</i>	64.04	
		<i>For Work In Restricted Working Space, Add</i>	60.04	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.47	124.23
		<i>For Seal Class B, Add</i>	31.06	
		<i>For Seal Class A, Add</i>	66.26	
		<i>For Work In Restricted Working Space, Add</i>	62.12	
23 31 13 13-0281		22 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.57	16.56
		<i>For Seal Class B, Add</i>	4.14	
		<i>For Seal Class A, Add</i>	8.84	
		<i>For Work In Restricted Working Space, Add</i>	8.28	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.47	20.70
		<i>For Seal Class B, Add</i>	5.18	
		<i>For Seal Class A, Add</i>	11.05	
		<i>For Work In Restricted Working Space, Add</i>	10.36	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.35	24.84
		<i>For Seal Class B, Add</i>	6.21	
		<i>For Seal Class A, Add</i>	13.25	
		<i>For Work In Restricted Working Space, Add</i>	12.42	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.24	28.99
		<i>For Seal Class B, Add</i>	7.25	
		<i>For Seal Class A, Add</i>	15.46	
		<i>For Work In Restricted Working Space, Add</i>	14.49	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.13	33.14
		<i>For Seal Class B, Add</i>	8.28	
		<i>For Seal Class A, Add</i>	17.67	
		<i>For Work In Restricted Working Space, Add</i>	16.56	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.03	37.27
		<i>For Seal Class B, Add</i>	9.32	
		<i>For Seal Class A, Add</i>	19.88	
		<i>For Work In Restricted Working Space, Add</i>	18.64	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.92	41.41
		<i>For Seal Class B, Add</i>	10.35	
		<i>For Seal Class A, Add</i>	22.09	
		<i>For Work In Restricted Working Space, Add</i>	20.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0289 LF 6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.35	24.84
For Seal Class B, Add	6.21	
For Seal Class A, Add	13.25	
For Work In Restricted Working Space, Add	12.42	
23 31 13 13-0290 LF 6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.24	28.99
For Seal Class B, Add	7.25	
For Seal Class A, Add	15.46	
For Work In Restricted Working Space, Add	14.49	
23 31 13 13-0291 LF 6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.13	33.14
For Seal Class B, Add	8.28	
For Seal Class A, Add	17.67	
For Work In Restricted Working Space, Add	16.56	
23 31 13 13-0292 LF 6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.03	37.27
For Seal Class B, Add	9.32	
For Seal Class A, Add	19.88	
For Work In Restricted Working Space, Add	18.64	
23 31 13 13-0293 LF 6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.92	41.41
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.09	
For Work In Restricted Working Space, Add	20.71	
23 31 13 13-0294 LF 6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.81	45.55
For Seal Class B, Add	11.39	
For Seal Class A, Add	24.29	
For Work In Restricted Working Space, Add	22.78	
23 31 13 13-0295 LF 8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.13	33.14
For Seal Class B, Add	8.28	
For Seal Class A, Add	17.67	
For Work In Restricted Working Space, Add	16.56	
23 31 13 13-0296 LF 8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.03	37.27
For Seal Class B, Add	9.32	
For Seal Class A, Add	19.88	
For Work In Restricted Working Space, Add	18.64	
23 31 13 13-0297 LF 8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.92	41.41
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.09	
For Work In Restricted Working Space, Add	20.71	
23 31 13 13-0298 LF 8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.81	45.55
For Seal Class B, Add	11.39	
For Seal Class A, Add	24.29	
For Work In Restricted Working Space, Add	22.78	
23 31 13 13-0299 LF 8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.71	49.69
For Seal Class B, Add	12.42	
For Seal Class A, Add	26.51	
For Work In Restricted Working Space, Add	24.85	
23 31 13 13-0300 LF 8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.60	53.84
For Seal Class B, Add	13.46	
For Seal Class A, Add	28.71	
For Work In Restricted Working Space, Add	26.92	
23 31 13 13-0301 LF 8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.48	57.98
For Seal Class B, Add	14.49	
For Seal Class A, Add	30.92	
For Work In Restricted Working Space, Add	28.99	
23 31 13 13-0302 LF 8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.37	62.12
For Seal Class B, Add	15.53	
For Seal Class A, Add	33.13	
For Work In Restricted Working Space, Add	31.06	
23 31 13 13-0303 LF 8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.27	66.25
For Seal Class B, Add	16.56	
For Seal Class A, Add	35.34	
For Work In Restricted Working Space, Add	33.13	
23 31 13 13-0304 LF 10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.92	41.41
For Seal Class B, Add	10.35	
For Seal Class A, Add	22.09	
For Work In Restricted Working Space, Add	20.71	
23 31 13 13-0305 LF 10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.81	45.55
For Seal Class B, Add	11.39	
For Seal Class A, Add	24.29	
For Work In Restricted Working Space, Add	22.78	
23 31 13 13-0306 LF 10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.71	49.69
For Seal Class B, Add	12.42	
For Seal Class A, Add	26.51	
For Work In Restricted Working Space, Add	24.85	
23 31 13 13-0307 LF 10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.60	53.84
For Seal Class B, Add	13.46	
For Seal Class A, Add	28.71	
For Work In Restricted Working Space, Add	26.92	
23 31 13 13-0308 LF 10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.48	57.98
For Seal Class B, Add	14.49	
For Seal Class A, Add	30.92	
For Work In Restricted Working Space, Add	28.99	
23 31 13 13-0309 LF 10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.37	62.12
For Seal Class B, Add	15.53	
For Seal Class A, Add	33.13	
For Work In Restricted Working Space, Add	31.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0310	LF 10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.27	66.25
		<i>For Seal Class B, Add</i>	16.56	
		<i>For Seal Class A, Add</i>	35.34	
		<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13	13-0311	LF 10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.15	70.40
		<i>For Seal Class B, Add</i>	17.60	
		<i>For Seal Class A, Add</i>	37.55	
		<i>For Work In Restricted Working Space, Add</i>	35.20	
23 31 13	13-0312	LF 10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.04	74.53
		<i>For Seal Class B, Add</i>	18.63	
		<i>For Seal Class A, Add</i>	39.75	
		<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13	13-0313	LF 10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.94	78.68
		<i>For Seal Class B, Add</i>	19.67	
		<i>For Seal Class A, Add</i>	41.96	
		<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13	13-0314	LF 10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.83	82.83
		<i>For Seal Class B, Add</i>	20.71	
		<i>For Seal Class A, Add</i>	44.17	
		<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13	13-0315	LF 10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.71	86.97
		<i>For Seal Class B, Add</i>	21.74	
		<i>For Seal Class A, Add</i>	46.38	
		<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13	13-0316	LF 12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.71	49.69
		<i>For Seal Class B, Add</i>	12.42	
		<i>For Seal Class A, Add</i>	26.51	
		<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13	13-0317	LF 12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.60	53.84
		<i>For Seal Class B, Add</i>	13.46	
		<i>For Seal Class A, Add</i>	28.71	
		<i>For Work In Restricted Working Space, Add</i>	26.92	
23 31 13	13-0318	LF 12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.48	57.98
		<i>For Seal Class B, Add</i>	14.49	
		<i>For Seal Class A, Add</i>	30.92	
		<i>For Work In Restricted Working Space, Add</i>	28.99	
23 31 13	13-0319	LF 12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.37	62.12
		<i>For Seal Class B, Add</i>	15.53	
		<i>For Seal Class A, Add</i>	33.13	
		<i>For Work In Restricted Working Space, Add</i>	31.06	
23 31 13	13-0320	LF 12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.27	66.25
		<i>For Seal Class B, Add</i>	16.56	
		<i>For Seal Class A, Add</i>	35.34	
		<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13	13-0321	LF 12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.15	70.40
		<i>For Seal Class B, Add</i>	17.60	
		<i>For Seal Class A, Add</i>	37.55	
		<i>For Work In Restricted Working Space, Add</i>	35.20	
23 31 13	13-0322	LF 12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.04	74.53
		<i>For Seal Class B, Add</i>	18.63	
		<i>For Seal Class A, Add</i>	39.75	
		<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13	13-0323	LF 12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.94	78.68
		<i>For Seal Class B, Add</i>	19.67	
		<i>For Seal Class A, Add</i>	41.96	
		<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13	13-0324	LF 12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.83	82.83
		<i>For Seal Class B, Add</i>	20.71	
		<i>For Seal Class A, Add</i>	44.17	
		<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13	13-0325	LF 12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.71	86.97
		<i>For Seal Class B, Add</i>	21.74	
		<i>For Seal Class A, Add</i>	46.38	
		<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13	13-0326	LF 12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.60	91.10
		<i>For Seal Class B, Add</i>	22.77	
		<i>For Seal Class A, Add</i>	48.59	
		<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13	13-0327	LF 12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.50	95.24
		<i>For Seal Class B, Add</i>	23.81	
		<i>For Seal Class A, Add</i>	50.80	
		<i>For Work In Restricted Working Space, Add</i>	47.62	
23 31 13	13-0328	LF 12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.40	99.39
		<i>For Seal Class B, Add</i>	24.85	
		<i>For Seal Class A, Add</i>	53.01	
		<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13	13-0329	LF 14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.48	57.98
		<i>For Seal Class B, Add</i>	14.49	
		<i>For Seal Class A, Add</i>	30.92	
		<i>For Work In Restricted Working Space, Add</i>	28.99	
23 31 13	13-0330	LF 14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.37	62.12
		<i>For Seal Class B, Add</i>	15.53	
		<i>For Seal Class A, Add</i>	33.13	
		<i>For Work In Restricted Working Space, Add</i>	31.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0331 LF 14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.27	66.25
<i>For Seal Class B, Add</i>	16.56	
<i>For Seal Class A, Add</i>	35.34	
<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13 13-0332 LF 14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.15	70.40
<i>For Seal Class B, Add</i>	17.60	
<i>For Seal Class A, Add</i>	37.55	
<i>For Work In Restricted Working Space, Add</i>	35.20	
23 31 13 13-0333 LF 14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.04	74.53
<i>For Seal Class B, Add</i>	18.63	
<i>For Seal Class A, Add</i>	39.75	
<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13 13-0334 LF 14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.94	78.68
<i>For Seal Class B, Add</i>	19.67	
<i>For Seal Class A, Add</i>	41.96	
<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13 13-0335 LF 14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.83	82.83
<i>For Seal Class B, Add</i>	20.71	
<i>For Seal Class A, Add</i>	44.17	
<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13 13-0336 LF 14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.71	86.97
<i>For Seal Class B, Add</i>	21.74	
<i>For Seal Class A, Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13 13-0337 LF 14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.60	91.10
<i>For Seal Class B, Add</i>	22.77	
<i>For Seal Class A, Add</i>	48.59	
<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13 13-0338 LF 14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.50	95.24
<i>For Seal Class B, Add</i>	23.81	
<i>For Seal Class A, Add</i>	50.80	
<i>For Work In Restricted Working Space, Add</i>	47.62	
23 31 13 13-0339 LF 14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.40	99.39
<i>For Seal Class B, Add</i>	24.85	
<i>For Seal Class A, Add</i>	53.01	
<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13 13-0340 LF 14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.28	103.52
<i>For Seal Class B, Add</i>	25.88	
<i>For Seal Class A, Add</i>	55.21	
<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13 13-0341 LF 16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.27	66.25
<i>For Seal Class B, Add</i>	16.56	
<i>For Seal Class A, Add</i>	35.34	
<i>For Work In Restricted Working Space, Add</i>	33.13	
23 31 13 13-0342 LF 16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.15	70.40
<i>For Seal Class B, Add</i>	17.60	
<i>For Seal Class A, Add</i>	37.55	
<i>For Work In Restricted Working Space, Add</i>	35.20	
23 31 13 13-0343 LF 16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.04	74.53
<i>For Seal Class B, Add</i>	18.63	
<i>For Seal Class A, Add</i>	39.75	
<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13 13-0344 LF 16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.94	78.68
<i>For Seal Class B, Add</i>	19.67	
<i>For Seal Class A, Add</i>	41.96	
<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13 13-0345 LF 16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.83	82.83
<i>For Seal Class B, Add</i>	20.71	
<i>For Seal Class A, Add</i>	44.17	
<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13 13-0346 LF 16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.71	86.97
<i>For Seal Class B, Add</i>	21.74	
<i>For Seal Class A, Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13 13-0347 LF 16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.60	91.10
<i>For Seal Class B, Add</i>	22.77	
<i>For Seal Class A, Add</i>	48.59	
<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13 13-0348 LF 16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.50	95.24
<i>For Seal Class B, Add</i>	23.81	
<i>For Seal Class A, Add</i>	50.80	
<i>For Work In Restricted Working Space, Add</i>	47.62	
23 31 13 13-0349 LF 16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.40	99.39
<i>For Seal Class B, Add</i>	24.85	
<i>For Seal Class A, Add</i>	53.01	
<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13 13-0350 LF 16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.28	103.52
<i>For Seal Class B, Add</i>	25.88	
<i>For Seal Class A, Add</i>	55.21	
<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13 13-0351 LF 16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.18	107.67
<i>For Seal Class B, Add</i>	26.92	
<i>For Seal Class A, Add</i>	57.42	
<i>For Work In Restricted Working Space, Add</i>	53.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0352	LF 16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.07	111.82
		<i>For Seal Class B, Add</i>	27.95	
		<i>For Seal Class A, Add</i>	59.63	
		<i>For Work In Restricted Working Space, Add</i>	55.91	
23 31 13	13-0353	LF 16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.95	115.94
		<i>For Seal Class B, Add</i>	28.99	
		<i>For Seal Class A, Add</i>	61.84	
		<i>For Work In Restricted Working Space, Add</i>	57.97	
23 31 13	13-0354	LF 16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.84	120.09
		<i>For Seal Class B, Add</i>	30.02	
		<i>For Seal Class A, Add</i>	64.04	
		<i>For Work In Restricted Working Space, Add</i>	60.04	
23 31 13	13-0355	LF 16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
		<i>For Seal Class B, Add</i>	31.06	
		<i>For Seal Class A, Add</i>	66.26	
		<i>For Work In Restricted Working Space, Add</i>	62.12	
23 31 13	13-0356	LF 18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.04	74.53
		<i>For Seal Class B, Add</i>	18.63	
		<i>For Seal Class A, Add</i>	39.75	
		<i>For Work In Restricted Working Space, Add</i>	37.27	
23 31 13	13-0357	LF 18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.94	78.68
		<i>For Seal Class B, Add</i>	19.67	
		<i>For Seal Class A, Add</i>	41.96	
		<i>For Work In Restricted Working Space, Add</i>	39.34	
23 31 13	13-0358	LF 18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.83	82.83
		<i>For Seal Class B, Add</i>	20.71	
		<i>For Seal Class A, Add</i>	44.17	
		<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13	13-0359	LF 18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.71	86.97
		<i>For Seal Class B, Add</i>	21.74	
		<i>For Seal Class A, Add</i>	46.38	
		<i>For Work In Restricted Working Space, Add</i>	43.48	
23 31 13	13-0360	LF 18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.60	91.10
		<i>For Seal Class B, Add</i>	22.77	
		<i>For Seal Class A, Add</i>	48.59	
		<i>For Work In Restricted Working Space, Add</i>	45.55	
23 31 13	13-0361	LF 18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.50	95.24
		<i>For Seal Class B, Add</i>	23.81	
		<i>For Seal Class A, Add</i>	50.80	
		<i>For Work In Restricted Working Space, Add</i>	47.62	
23 31 13	13-0362	LF 18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.40	99.39
		<i>For Seal Class B, Add</i>	24.85	
		<i>For Seal Class A, Add</i>	53.01	
		<i>For Work In Restricted Working Space, Add</i>	49.70	
23 31 13	13-0363	LF 18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.28	103.52
		<i>For Seal Class B, Add</i>	25.88	
		<i>For Seal Class A, Add</i>	55.21	
		<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13	13-0364	LF 18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.18	107.67
		<i>For Seal Class B, Add</i>	26.92	
		<i>For Seal Class A, Add</i>	57.42	
		<i>For Work In Restricted Working Space, Add</i>	53.84	
23 31 13	13-0365	LF 18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.07	111.82
		<i>For Seal Class B, Add</i>	27.95	
		<i>For Seal Class A, Add</i>	59.63	
		<i>For Work In Restricted Working Space, Add</i>	55.91	
23 31 13	13-0366	LF 18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.95	115.94
		<i>For Seal Class B, Add</i>	28.99	
		<i>For Seal Class A, Add</i>	61.84	
		<i>For Work In Restricted Working Space, Add</i>	57.97	
23 31 13	13-0367	LF 18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.84	120.09
		<i>For Seal Class B, Add</i>	30.02	
		<i>For Seal Class A, Add</i>	64.04	
		<i>For Work In Restricted Working Space, Add</i>	60.04	
23 31 13	13-0368	LF 18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
		<i>For Seal Class B, Add</i>	31.06	
		<i>For Seal Class A, Add</i>	66.26	
		<i>For Work In Restricted Working Space, Add</i>	62.12	
23 31 13	13-0369	LF 18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.64	128.37
		<i>For Seal Class B, Add</i>	32.09	
		<i>For Seal Class A, Add</i>	68.47	
		<i>For Work In Restricted Working Space, Add</i>	64.19	
23 31 13	13-0370	LF 18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
		<i>For Seal Class B, Add</i>	33.13	
		<i>For Seal Class A, Add</i>	70.67	
		<i>For Work In Restricted Working Space, Add</i>	66.26	
23 31 13	13-0371	LF 20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.83	82.83
		<i>For Seal Class B, Add</i>	20.71	
		<i>For Seal Class A, Add</i>	44.17	
		<i>For Work In Restricted Working Space, Add</i>	41.41	
23 31 13	13-0372	LF 20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.71	86.97
		<i>For Seal Class B, Add</i>	21.74	
		<i>For Seal Class A, Add</i>	46.38	
		<i>For Work In Restricted Working Space, Add</i>	43.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0373 LF 20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.60	91.10
For Seal Class B, Add	22.77	
For Seal Class A, Add	48.59	
For Work In Restricted Working Space, Add	45.55	
23 31 13 13-0374 LF 20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.50	95.24
For Seal Class B, Add	23.81	
For Seal Class A, Add	50.80	
For Work In Restricted Working Space, Add	47.62	
23 31 13 13-0375 LF 20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.40	99.39
For Seal Class B, Add	24.85	
For Seal Class A, Add	53.01	
For Work In Restricted Working Space, Add	49.70	
23 31 13 13-0376 LF 20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.28	103.52
For Seal Class B, Add	25.88	
For Seal Class A, Add	55.21	
For Work In Restricted Working Space, Add	51.76	
23 31 13 13-0377 LF 20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.18	107.67
For Seal Class B, Add	26.92	
For Seal Class A, Add	57.42	
For Work In Restricted Working Space, Add	53.84	
23 31 13 13-0378 LF 20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.07	111.82
For Seal Class B, Add	27.95	
For Seal Class A, Add	59.63	
For Work In Restricted Working Space, Add	55.91	
23 31 13 13-0379 LF 20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.95	115.94
For Seal Class B, Add	28.99	
For Seal Class A, Add	61.84	
For Work In Restricted Working Space, Add	57.97	
23 31 13 13-0380 LF 20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.84	120.09
For Seal Class B, Add	30.02	
For Seal Class A, Add	64.04	
For Work In Restricted Working Space, Add	60.04	
23 31 13 13-0381 LF 20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
For Seal Class B, Add	31.06	
For Seal Class A, Add	66.26	
For Work In Restricted Working Space, Add	62.12	
23 31 13 13-0382 LF 20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.64	128.37
For Seal Class B, Add	32.09	
For Seal Class A, Add	68.47	
For Work In Restricted Working Space, Add	64.19	
23 31 13 13-0383 LF 20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
For Seal Class B, Add	33.13	
For Seal Class A, Add	70.67	
For Work In Restricted Working Space, Add	66.26	
23 31 13 13-0384 LF 20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.42	136.66
For Seal Class B, Add	34.16	
For Seal Class A, Add	72.88	
For Work In Restricted Working Space, Add	68.33	
23 31 13 13-0385 LF 20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
For Seal Class B, Add	35.20	
For Seal Class A, Add	75.09	
For Work In Restricted Working Space, Add	70.40	
23 31 13 13-0386 LF 22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.60	91.10
For Seal Class B, Add	22.77	
For Seal Class A, Add	48.59	
For Work In Restricted Working Space, Add	45.55	
23 31 13 13-0387 LF 22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.50	95.24
For Seal Class B, Add	23.81	
For Seal Class A, Add	50.80	
For Work In Restricted Working Space, Add	47.62	
23 31 13 13-0388 LF 22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.40	99.39
For Seal Class B, Add	24.85	
For Seal Class A, Add	53.01	
For Work In Restricted Working Space, Add	49.70	
23 31 13 13-0389 LF 22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.28	103.52
For Seal Class B, Add	25.88	
For Seal Class A, Add	55.21	
For Work In Restricted Working Space, Add	51.76	
23 31 13 13-0390 LF 22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.18	107.67
For Seal Class B, Add	26.92	
For Seal Class A, Add	57.42	
For Work In Restricted Working Space, Add	53.84	
23 31 13 13-0391 LF 22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.07	111.82
For Seal Class B, Add	27.95	
For Seal Class A, Add	59.63	
For Work In Restricted Working Space, Add	55.91	
23 31 13 13-0392 LF 22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.95	115.94
For Seal Class B, Add	28.99	
For Seal Class A, Add	61.84	
For Work In Restricted Working Space, Add	57.97	
23 31 13 13-0393 LF 22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.84	120.09
For Seal Class B, Add	30.02	
For Seal Class A, Add	64.04	
For Work In Restricted Working Space, Add	60.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0394 LF 22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
For Seal Class B, Add	31.06	
For Seal Class A, Add	66.26	
For Work In Restricted Working Space, Add	62.12	
23 31 13 13-0395 LF 22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.64	128.37
For Seal Class B, Add	32.09	
For Seal Class A, Add	68.47	
For Work In Restricted Working Space, Add	64.19	
23 31 13 13-0396 LF 22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
For Seal Class B, Add	33.13	
For Seal Class A, Add	70.67	
For Work In Restricted Working Space, Add	66.26	
23 31 13 13-0397 LF 22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.42	136.66
For Seal Class B, Add	34.16	
For Seal Class A, Add	72.88	
For Work In Restricted Working Space, Add	68.33	
23 31 13 13-0398 LF 22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
For Seal Class B, Add	35.20	
For Seal Class A, Add	75.09	
For Work In Restricted Working Space, Add	70.40	
23 31 13 13-0399 LF 22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.20	144.93
For Seal Class B, Add	36.23	
For Seal Class A, Add	77.30	
For Work In Restricted Working Space, Add	72.47	
23 31 13 13-0400 LF 24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.40	99.39
For Seal Class B, Add	24.85	
For Seal Class A, Add	53.01	
For Work In Restricted Working Space, Add	49.70	
23 31 13 13-0401 LF 24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.28	103.52
For Seal Class B, Add	25.88	
For Seal Class A, Add	55.21	
For Work In Restricted Working Space, Add	51.76	
23 31 13 13-0402 LF 24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.18	107.67
For Seal Class B, Add	26.92	
For Seal Class A, Add	57.42	
For Work In Restricted Working Space, Add	53.84	
23 31 13 13-0403 LF 24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.07	111.82
For Seal Class B, Add	27.95	
For Seal Class A, Add	59.63	
For Work In Restricted Working Space, Add	55.91	
23 31 13 13-0404 LF 24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.95	115.94
For Seal Class B, Add	28.99	
For Seal Class A, Add	61.84	
For Work In Restricted Working Space, Add	57.97	
23 31 13 13-0405 LF 24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.84	120.09
For Seal Class B, Add	30.02	
For Seal Class A, Add	64.04	
For Work In Restricted Working Space, Add	60.04	
23 31 13 13-0406 LF 24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
For Seal Class B, Add	31.06	
For Seal Class A, Add	66.26	
For Work In Restricted Working Space, Add	62.12	
23 31 13 13-0407 LF 24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.64	128.37
For Seal Class B, Add	32.09	
For Seal Class A, Add	68.47	
For Work In Restricted Working Space, Add	64.19	
23 31 13 13-0408 LF 24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
For Seal Class B, Add	33.13	
For Seal Class A, Add	70.67	
For Work In Restricted Working Space, Add	66.26	
23 31 13 13-0409 LF 24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.42	136.66
For Seal Class B, Add	34.16	
For Seal Class A, Add	72.88	
For Work In Restricted Working Space, Add	68.33	
23 31 13 13-0410 LF 24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
For Seal Class B, Add	35.20	
For Seal Class A, Add	75.09	
For Work In Restricted Working Space, Add	70.40	
23 31 13 13-0411 LF 24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.20	144.93
For Seal Class B, Add	36.23	
For Seal Class A, Add	77.30	
For Work In Restricted Working Space, Add	72.47	
23 31 13 13-0412 LF 24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.09	149.08
For Seal Class B, Add	37.27	
For Seal Class A, Add	79.51	
For Work In Restricted Working Space, Add	74.54	
23 31 13 13-0413 LF 26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.18	107.67
For Seal Class B, Add	26.92	
For Seal Class A, Add	57.42	
For Work In Restricted Working Space, Add	53.84	
23 31 13 13-0414 LF 26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.07	111.82
For Seal Class B, Add	27.95	
For Seal Class A, Add	59.63	
For Work In Restricted Working Space, Add	55.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0415 LF 26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.95	115.94
<i>For Seal Class B, Add</i>	28.99	
<i>For Seal Class A, Add</i>	61.84	
<i>For Work In Restricted Working Space, Add</i>	57.97	
23 31 13 13-0416 LF 26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.84	120.09
<i>For Seal Class B, Add</i>	30.02	
<i>For Seal Class A, Add</i>	64.04	
<i>For Work In Restricted Working Space, Add</i>	60.04	
23 31 13 13-0417 LF 26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
<i>For Seal Class B, Add</i>	31.06	
<i>For Seal Class A, Add</i>	66.26	
<i>For Work In Restricted Working Space, Add</i>	62.12	
23 31 13 13-0418 LF 26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.64	128.37
<i>For Seal Class B, Add</i>	32.09	
<i>For Seal Class A, Add</i>	68.47	
<i>For Work In Restricted Working Space, Add</i>	64.19	
23 31 13 13-0419 LF 26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
<i>For Seal Class B, Add</i>	33.13	
<i>For Seal Class A, Add</i>	70.67	
<i>For Work In Restricted Working Space, Add</i>	66.26	
23 31 13 13-0420 LF 26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.42	136.66
<i>For Seal Class B, Add</i>	34.16	
<i>For Seal Class A, Add</i>	72.88	
<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31 13 13-0421 LF 26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
<i>For Seal Class B, Add</i>	35.20	
<i>For Seal Class A, Add</i>	75.09	
<i>For Work In Restricted Working Space, Add</i>	70.40	
23 31 13 13-0422 LF 26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.20	144.93
<i>For Seal Class B, Add</i>	36.23	
<i>For Seal Class A, Add</i>	77.30	
<i>For Work In Restricted Working Space, Add</i>	72.47	
23 31 13 13-0423 LF 26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.09	149.08
<i>For Seal Class B, Add</i>	37.27	
<i>For Seal Class A, Add</i>	79.51	
<i>For Work In Restricted Working Space, Add</i>	74.54	
23 31 13 13-0424 LF 26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.99	153.22
<i>For Seal Class B, Add</i>	38.31	
<i>For Seal Class A, Add</i>	81.72	
<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31 13 13-0425 LF 28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.95	115.94
<i>For Seal Class B, Add</i>	28.99	
<i>For Seal Class A, Add</i>	61.84	
<i>For Work In Restricted Working Space, Add</i>	57.97	
23 31 13 13-0426 LF 28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.84	120.09
<i>For Seal Class B, Add</i>	30.02	
<i>For Seal Class A, Add</i>	64.04	
<i>For Work In Restricted Working Space, Add</i>	60.04	
23 31 13 13-0427 LF 28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
<i>For Seal Class B, Add</i>	31.06	
<i>For Seal Class A, Add</i>	66.26	
<i>For Work In Restricted Working Space, Add</i>	62.12	
23 31 13 13-0428 LF 28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.64	128.37
<i>For Seal Class B, Add</i>	32.09	
<i>For Seal Class A, Add</i>	68.47	
<i>For Work In Restricted Working Space, Add</i>	64.19	
23 31 13 13-0429 LF 28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
<i>For Seal Class B, Add</i>	33.13	
<i>For Seal Class A, Add</i>	70.67	
<i>For Work In Restricted Working Space, Add</i>	66.26	
23 31 13 13-0430 LF 28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.42	136.66
<i>For Seal Class B, Add</i>	34.16	
<i>For Seal Class A, Add</i>	72.88	
<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31 13 13-0431 LF 28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
<i>For Seal Class B, Add</i>	35.20	
<i>For Seal Class A, Add</i>	75.09	
<i>For Work In Restricted Working Space, Add</i>	70.40	
23 31 13 13-0432 LF 28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.20	144.93
<i>For Seal Class B, Add</i>	36.23	
<i>For Seal Class A, Add</i>	77.30	
<i>For Work In Restricted Working Space, Add</i>	72.47	
23 31 13 13-0433 LF 28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.09	149.08
<i>For Seal Class B, Add</i>	37.27	
<i>For Seal Class A, Add</i>	79.51	
<i>For Work In Restricted Working Space, Add</i>	74.54	
23 31 13 13-0434 LF 28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.99	153.22
<i>For Seal Class B, Add</i>	38.31	
<i>For Seal Class A, Add</i>	81.72	
<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31 13 13-0435 LF 28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.88	157.36
<i>For Seal Class B, Add</i>	39.34	
<i>For Seal Class A, Add</i>	83.93	
<i>For Work In Restricted Working Space, Add</i>	78.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.75	124.23
		<i>For Seal Class B, Add</i>	31.06	
		<i>For Seal Class A, Add</i>	66.26	
		<i>For Work In Restricted Working Space, Add</i>	62.12	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.64	128.37
		<i>For Seal Class B, Add</i>	32.09	
		<i>For Seal Class A, Add</i>	68.47	
		<i>For Work In Restricted Working Space, Add</i>	64.19	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
		<i>For Seal Class B, Add</i>	33.13	
		<i>For Seal Class A, Add</i>	70.67	
		<i>For Work In Restricted Working Space, Add</i>	66.26	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.42	136.66
		<i>For Seal Class B, Add</i>	34.16	
		<i>For Seal Class A, Add</i>	72.88	
		<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
		<i>For Seal Class B, Add</i>	35.20	
		<i>For Seal Class A, Add</i>	75.09	
		<i>For Work In Restricted Working Space, Add</i>	70.40	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.20	144.93
		<i>For Seal Class B, Add</i>	36.23	
		<i>For Seal Class A, Add</i>	77.30	
		<i>For Work In Restricted Working Space, Add</i>	72.47	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.09	149.08
		<i>For Seal Class B, Add</i>	37.27	
		<i>For Seal Class A, Add</i>	79.51	
		<i>For Work In Restricted Working Space, Add</i>	74.54	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.99	153.22
		<i>For Seal Class B, Add</i>	38.31	
		<i>For Seal Class A, Add</i>	81.72	
		<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.88	157.36
		<i>For Seal Class B, Add</i>	39.34	
		<i>For Seal Class A, Add</i>	83.93	
		<i>For Work In Restricted Working Space, Add</i>	78.68	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.77	161.51
		<i>For Seal Class B, Add</i>	40.38	
		<i>For Seal Class A, Add</i>	86.13	
		<i>For Work In Restricted Working Space, Add</i>	80.75	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.52	132.51
		<i>For Seal Class B, Add</i>	33.13	
		<i>For Seal Class A, Add</i>	70.67	
		<i>For Work In Restricted Working Space, Add</i>	66.26	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.42	136.66
		<i>For Seal Class B, Add</i>	34.16	
		<i>For Seal Class A, Add</i>	72.88	
		<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
		<i>For Seal Class B, Add</i>	35.20	
		<i>For Seal Class A, Add</i>	75.09	
		<i>For Work In Restricted Working Space, Add</i>	70.40	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.20	144.93
		<i>For Seal Class B, Add</i>	36.23	
		<i>For Seal Class A, Add</i>	77.30	
		<i>For Work In Restricted Working Space, Add</i>	72.47	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.09	149.08
		<i>For Seal Class B, Add</i>	37.27	
		<i>For Seal Class A, Add</i>	79.51	
		<i>For Work In Restricted Working Space, Add</i>	74.54	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.99	153.22
		<i>For Seal Class B, Add</i>	38.31	
		<i>For Seal Class A, Add</i>	81.72	
		<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.88	157.36
		<i>For Seal Class B, Add</i>	39.34	
		<i>For Seal Class A, Add</i>	83.93	
		<i>For Work In Restricted Working Space, Add</i>	78.68	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.77	161.51
		<i>For Seal Class B, Add</i>	40.38	
		<i>For Seal Class A, Add</i>	86.13	
		<i>For Work In Restricted Working Space, Add</i>	80.75	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.66	165.65
		<i>For Seal Class B, Add</i>	41.41	
		<i>For Seal Class A, Add</i>	88.34	
		<i>For Work In Restricted Working Space, Add</i>	82.82	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.31	140.81
		<i>For Seal Class B, Add</i>	35.20	
		<i>For Seal Class A, Add</i>	75.09	
		<i>For Work In Restricted Working Space, Add</i>	70.40	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.20	144.93
		<i>For Seal Class B, Add</i>	36.23	
		<i>For Seal Class A, Add</i>	77.30	
		<i>For Work In Restricted Working Space, Add</i>	72.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0457 LF 34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.09	149.08
<i>For Seal Class B, Add</i>	37.27	
<i>For Seal Class A, Add</i>	79.51	
<i>For Work In Restricted Working Space, Add</i>	74.54	
23 31 13 13-0458 LF 34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.99	153.22
<i>For Seal Class B, Add</i>	38.31	
<i>For Seal Class A, Add</i>	81.72	
<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31 13 13-0459 LF 34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.88	157.36
<i>For Seal Class B, Add</i>	39.34	
<i>For Seal Class A, Add</i>	83.93	
<i>For Work In Restricted Working Space, Add</i>	78.68	
23 31 13 13-0460 LF 34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.77	161.51
<i>For Seal Class B, Add</i>	40.38	
<i>For Seal Class A, Add</i>	86.13	
<i>For Work In Restricted Working Space, Add</i>	80.75	
23 31 13 13-0461 LF 34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.66	165.65
<i>For Seal Class B, Add</i>	41.41	
<i>For Seal Class A, Add</i>	88.34	
<i>For Work In Restricted Working Space, Add</i>	82.82	
23 31 13 13-0462 LF 34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	323.55	169.78
<i>For Seal Class B, Add</i>	42.45	
<i>For Seal Class A, Add</i>	90.55	
<i>For Work In Restricted Working Space, Add</i>	84.89	
23 31 13 13-0463 LF 36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.09	149.08
<i>For Seal Class B, Add</i>	37.27	
<i>For Seal Class A, Add</i>	79.51	
<i>For Work In Restricted Working Space, Add</i>	74.54	
23 31 13 13-0464 LF 36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.99	153.22
<i>For Seal Class B, Add</i>	38.31	
<i>For Seal Class A, Add</i>	81.72	
<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31 13 13-0465 LF 36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.88	157.36
<i>For Seal Class B, Add</i>	39.34	
<i>For Seal Class A, Add</i>	83.93	
<i>For Work In Restricted Working Space, Add</i>	78.68	
23 31 13 13-0466 LF 36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.77	161.51
<i>For Seal Class B, Add</i>	40.38	
<i>For Seal Class A, Add</i>	86.13	
<i>For Work In Restricted Working Space, Add</i>	80.75	
23 31 13 13-0467 LF 36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.66	165.65
<i>For Seal Class B, Add</i>	41.41	
<i>For Seal Class A, Add</i>	88.34	
<i>For Work In Restricted Working Space, Add</i>	82.82	
23 31 13 13-0468 LF 36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	323.55	169.78
<i>For Seal Class B, Add</i>	42.45	
<i>For Seal Class A, Add</i>	90.55	
<i>For Work In Restricted Working Space, Add</i>	84.89	
23 31 13 13-0469 LF 36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	331.44	173.92
<i>For Seal Class B, Add</i>	43.48	
<i>For Seal Class A, Add</i>	92.76	
<i>For Work In Restricted Working Space, Add</i>	86.96	
23 31 13 13-0470 LF 38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.88	157.36
<i>For Seal Class B, Add</i>	39.34	
<i>For Seal Class A, Add</i>	83.93	
<i>For Work In Restricted Working Space, Add</i>	78.68	
23 31 13 13-0471 LF 38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.77	161.51
<i>For Seal Class B, Add</i>	40.38	
<i>For Seal Class A, Add</i>	86.13	
<i>For Work In Restricted Working Space, Add</i>	80.75	
23 31 13 13-0472 LF 38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.66	165.65
<i>For Seal Class B, Add</i>	41.41	
<i>For Seal Class A, Add</i>	88.34	
<i>For Work In Restricted Working Space, Add</i>	82.82	
23 31 13 13-0473 LF 38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	323.55	169.78
<i>For Seal Class B, Add</i>	42.45	
<i>For Seal Class A, Add</i>	90.55	
<i>For Work In Restricted Working Space, Add</i>	84.89	
23 31 13 13-0474 LF 38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	331.44	173.92
<i>For Seal Class B, Add</i>	43.48	
<i>For Seal Class A, Add</i>	92.76	
<i>For Work In Restricted Working Space, Add</i>	86.96	
23 31 13 13-0475 LF 38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.07
<i>For Seal Class B, Add</i>	44.52	
<i>For Seal Class A, Add</i>	94.97	
<i>For Work In Restricted Working Space, Add</i>	89.03	
23 31 13 13-0476 LF 38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.23	182.20
<i>For Seal Class B, Add</i>	45.55	
<i>For Seal Class A, Add</i>	97.18	
<i>For Work In Restricted Working Space, Add</i>	91.10	
23 31 13 13-0477 LF 40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.66	165.65
<i>For Seal Class B, Add</i>	41.41	
<i>For Seal Class A, Add</i>	88.34	
<i>For Work In Restricted Working Space, Add</i>	82.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0478 LF 40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	323.55	169.78
For Seal Class B, Add	42.45	
For Seal Class A, Add	90.55	
For Work In Restricted Working Space, Add	84.89	
23 31 13 13-0479 LF 40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	331.44	173.92
For Seal Class B, Add	43.48	
For Seal Class A, Add	92.76	
For Work In Restricted Working Space, Add	86.96	
23 31 13 13-0480 LF 40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.07
For Seal Class B, Add	44.52	
For Seal Class A, Add	94.97	
For Work In Restricted Working Space, Add	89.03	
23 31 13 13-0481 LF 40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.23	182.20
For Seal Class B, Add	45.55	
For Seal Class A, Add	97.18	
For Work In Restricted Working Space, Add	91.10	
23 31 13 13-0482 LF 40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.12	186.35
For Seal Class B, Add	46.59	
For Seal Class A, Add	99.39	
For Work In Restricted Working Space, Add	93.17	
23 31 13 13-0483 LF 40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.02	190.50
For Seal Class B, Add	47.62	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0484 LF 40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.90	194.62
For Seal Class B, Add	48.66	
For Seal Class A, Add	103.80	
For Work In Restricted Working Space, Add	97.31	
23 31 13 13-0485 LF 42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	331.44	173.92
For Seal Class B, Add	43.48	
For Seal Class A, Add	92.76	
For Work In Restricted Working Space, Add	86.96	
23 31 13 13-0486 LF 42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.07
For Seal Class B, Add	44.52	
For Seal Class A, Add	94.97	
For Work In Restricted Working Space, Add	89.03	
23 31 13 13-0487 LF 42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.23	182.20
For Seal Class B, Add	45.55	
For Seal Class A, Add	97.18	
For Work In Restricted Working Space, Add	91.10	
23 31 13 13-0488 LF 42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.12	186.35
For Seal Class B, Add	46.59	
For Seal Class A, Add	99.39	
For Work In Restricted Working Space, Add	93.17	
23 31 13 13-0489 LF 42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.02	190.50
For Seal Class B, Add	47.62	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0490 LF 42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.90	194.62
For Seal Class B, Add	48.66	
For Seal Class A, Add	103.80	
For Work In Restricted Working Space, Add	97.31	
23 31 13 13-0491 LF 42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.79	198.77
For Seal Class B, Add	49.69	
For Seal Class A, Add	106.01	
For Work In Restricted Working Space, Add	99.38	
23 31 13 13-0492 LF 44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.23	182.20
For Seal Class B, Add	45.55	
For Seal Class A, Add	97.18	
For Work In Restricted Working Space, Add	91.10	
23 31 13 13-0493 LF 44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.12	186.35
For Seal Class B, Add	46.59	
For Seal Class A, Add	99.39	
For Work In Restricted Working Space, Add	93.17	
23 31 13 13-0494 LF 44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.02	190.50
For Seal Class B, Add	47.62	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0495 LF 44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.90	194.62
For Seal Class B, Add	48.66	
For Seal Class A, Add	103.80	
For Work In Restricted Working Space, Add	97.31	
23 31 13 13-0496 LF 44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.79	198.77
For Seal Class B, Add	49.69	
For Seal Class A, Add	106.01	
For Work In Restricted Working Space, Add	99.38	
23 31 13 13-0497 LF 44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.68	202.91
For Seal Class B, Add	50.73	
For Seal Class A, Add	108.22	
For Work In Restricted Working Space, Add	101.45	
23 31 13 13-0498 LF 46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.02	190.50
For Seal Class B, Add	47.62	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0499 LF 46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.90	194.62
<i>For Seal Class B, Add</i>	48.66	
<i>For Seal Class A, Add</i>	103.80	
<i>For Work In Restricted Working Space, Add</i>	97.31	
23 31 13 13-0500 LF 46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.79	198.77
<i>For Seal Class B, Add</i>	49.69	
<i>For Seal Class A, Add</i>	106.01	
<i>For Work In Restricted Working Space, Add</i>	99.38	
23 31 13 13-0501 LF 46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.68	202.91
<i>For Seal Class B, Add</i>	50.73	
<i>For Seal Class A, Add</i>	108.22	
<i>For Work In Restricted Working Space, Add</i>	101.45	
23 31 13 13-0502 LF 46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	394.59	207.06
<i>For Seal Class B, Add</i>	51.77	
<i>For Seal Class A, Add</i>	110.43	
<i>For Work In Restricted Working Space, Add</i>	103.53	
23 31 13 13-0503 LF 48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.79	198.77
<i>For Seal Class B, Add</i>	49.69	
<i>For Seal Class A, Add</i>	106.01	
<i>For Work In Restricted Working Space, Add</i>	99.38	
23 31 13 13-0504 LF 48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.68	202.91
<i>For Seal Class B, Add</i>	50.73	
<i>For Seal Class A, Add</i>	108.22	
<i>For Work In Restricted Working Space, Add</i>	101.45	
23 31 13 13-0505 LF 48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	394.59	207.06
<i>For Seal Class B, Add</i>	51.77	
<i>For Seal Class A, Add</i>	110.43	
<i>For Work In Restricted Working Space, Add</i>	103.53	
23 31 13 13-0506 LF 48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	402.47	211.19
<i>For Seal Class B, Add</i>	52.80	
<i>For Seal Class A, Add</i>	112.64	
<i>For Work In Restricted Working Space, Add</i>	105.60	
23 31 13 13-0507 LF 50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	394.59	207.06
<i>For Seal Class B, Add</i>	51.77	
<i>For Seal Class A, Add</i>	110.43	
<i>For Work In Restricted Working Space, Add</i>	103.53	
23 31 13 13-0508 LF 50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	402.47	211.19
<i>For Seal Class B, Add</i>	52.80	
<i>For Seal Class A, Add</i>	112.64	
<i>For Work In Restricted Working Space, Add</i>	105.60	
23 31 13 13-0509 LF 50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.36	215.34
<i>For Seal Class B, Add</i>	53.83	
<i>For Seal Class A, Add</i>	114.84	
<i>For Work In Restricted Working Space, Add</i>	107.67	
23 31 13 13-0510 LF 52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.36	215.34
<i>For Seal Class B, Add</i>	53.83	
<i>For Seal Class A, Add</i>	114.84	
<i>For Work In Restricted Working Space, Add</i>	107.67	
23 31 13 13-0511 LF 52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	418.25	219.48
<i>For Seal Class B, Add</i>	54.87	
<i>For Seal Class A, Add</i>	117.06	
<i>For Work In Restricted Working Space, Add</i>	109.74	
23 31 13 13-0512 LF 54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	426.13	223.61
<i>For Seal Class B, Add</i>	55.90	
<i>For Seal Class A, Add</i>	119.26	
<i>For Work In Restricted Working Space, Add</i>	111.81	
23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0514 LF 4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.17	19.51
<i>For Seal Class B, Add</i>	4.88	
<i>For Seal Class A, Add</i>	10.41	
<i>For Work In Restricted Working Space, Add</i>	9.76	
23 31 13 13-0515 LF 4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.48	24.38
<i>For Seal Class B, Add</i>	6.10	
<i>For Seal Class A, Add</i>	13.01	
<i>For Work In Restricted Working Space, Add</i>	12.20	
23 31 13 13-0516 LF 4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.77	29.26
<i>For Seal Class B, Add</i>	7.32	
<i>For Seal Class A, Add</i>	15.61	
<i>For Work In Restricted Working Space, Add</i>	14.63	
23 31 13 13-0517 LF 4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.05	34.13
<i>For Seal Class B, Add</i>	8.54	
<i>For Seal Class A, Add</i>	18.21	
<i>For Work In Restricted Working Space, Add</i>	17.07	
23 31 13 13-0518 LF 4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.36	39.02
<i>For Seal Class B, Add</i>	9.75	
<i>For Seal Class A, Add</i>	20.81	
<i>For Work In Restricted Working Space, Add</i>	19.51	
23 31 13 13-0519 LF 4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.65	43.89
<i>For Seal Class B, Add</i>	10.97	
<i>For Seal Class A, Add</i>	23.41	
<i>For Work In Restricted Working Space, Add</i>	21.95	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0520 LF 4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.95	48.77
For Seal Class B, Add	12.20	
For Seal Class A, Add	26.02	
For Work In Restricted Working Space, Add	24.39	
23 31 13 13-0521 LF 6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.77	29.26
For Seal Class B, Add	7.32	
For Seal Class A, Add	15.61	
For Work In Restricted Working Space, Add	14.63	
23 31 13 13-0522 LF 6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.05	34.13
For Seal Class B, Add	8.54	
For Seal Class A, Add	18.21	
For Work In Restricted Working Space, Add	17.07	
23 31 13 13-0523 LF 6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.36	39.02
For Seal Class B, Add	9.75	
For Seal Class A, Add	20.81	
For Work In Restricted Working Space, Add	19.51	
23 31 13 13-0524 LF 6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.65	43.89
For Seal Class B, Add	10.97	
For Seal Class A, Add	23.41	
For Work In Restricted Working Space, Add	21.95	
23 31 13 13-0525 LF 6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.95	48.77
For Seal Class B, Add	12.20	
For Seal Class A, Add	26.02	
For Work In Restricted Working Space, Add	24.39	
23 31 13 13-0526 LF 6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.25	53.65
For Seal Class B, Add	13.41	
For Seal Class A, Add	28.61	
For Work In Restricted Working Space, Add	26.83	
23 31 13 13-0527 LF 8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.36	39.02
For Seal Class B, Add	9.75	
For Seal Class A, Add	20.81	
For Work In Restricted Working Space, Add	19.51	
23 31 13 13-0528 LF 8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.65	43.89
For Seal Class B, Add	10.97	
For Seal Class A, Add	23.41	
For Work In Restricted Working Space, Add	21.95	
23 31 13 13-0529 LF 8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.95	48.77
For Seal Class B, Add	12.20	
For Seal Class A, Add	26.02	
For Work In Restricted Working Space, Add	24.39	
23 31 13 13-0530 LF 8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.25	53.65
For Seal Class B, Add	13.41	
For Seal Class A, Add	28.61	
For Work In Restricted Working Space, Add	26.83	
23 31 13 13-0531 LF 8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.53	58.53
For Seal Class B, Add	14.63	
For Seal Class A, Add	31.22	
For Work In Restricted Working Space, Add	29.27	
23 31 13 13-0532 LF 8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.82	63.40
For Seal Class B, Add	15.85	
For Seal Class A, Add	33.81	
For Work In Restricted Working Space, Add	31.70	
23 31 13 13-0533 LF 8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.13	68.29
For Seal Class B, Add	17.07	
For Seal Class A, Add	36.42	
For Work In Restricted Working Space, Add	34.14	
23 31 13 13-0534 LF 8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.42	73.15
For Seal Class B, Add	18.29	
For Seal Class A, Add	39.02	
For Work In Restricted Working Space, Add	36.58	
23 31 13 13-0535 LF 8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.71	78.04
For Seal Class B, Add	19.51	
For Seal Class A, Add	41.62	
For Work In Restricted Working Space, Add	39.02	
23 31 13 13-0536 LF 10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.95	48.77
For Seal Class B, Add	12.20	
For Seal Class A, Add	26.02	
For Work In Restricted Working Space, Add	24.39	
23 31 13 13-0537 LF 10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.25	53.65
For Seal Class B, Add	13.41	
For Seal Class A, Add	28.61	
For Work In Restricted Working Space, Add	26.83	
23 31 13 13-0538 LF 10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.53	58.53
For Seal Class B, Add	14.63	
For Seal Class A, Add	31.22	
For Work In Restricted Working Space, Add	29.27	
23 31 13 13-0539 LF 10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.82	63.40
For Seal Class B, Add	15.85	
For Seal Class A, Add	33.81	
For Work In Restricted Working Space, Add	31.70	
23 31 13 13-0540 LF 10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.13	68.29
For Seal Class B, Add	17.07	
For Seal Class A, Add	36.42	
For Work In Restricted Working Space, Add	34.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0541 LF 10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.42	73.15
<i>For Seal Class B, Add</i>	18.29	
<i>For Seal Class A, Add</i>	39.02	
<i>For Work In Restricted Working Space, Add</i>	36.58	
23 31 13 13-0542 LF 10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.71	78.04
<i>For Seal Class B, Add</i>	19.51	
<i>For Seal Class A, Add</i>	41.62	
<i>For Work In Restricted Working Space, Add</i>	39.02	
23 31 13 13-0543 LF 10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.03	82.91
<i>For Seal Class B, Add</i>	20.73	
<i>For Seal Class A, Add</i>	44.22	
<i>For Work In Restricted Working Space, Add</i>	41.46	
23 31 13 13-0544 LF 10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.30	87.79
<i>For Seal Class B, Add</i>	21.95	
<i>For Seal Class A, Add</i>	46.82	
<i>For Work In Restricted Working Space, Add</i>	43.90	
23 31 13 13-0545 LF 10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.60	92.67
<i>For Seal Class B, Add</i>	23.17	
<i>For Seal Class A, Add</i>	49.42	
<i>For Work In Restricted Working Space, Add</i>	46.34	
23 31 13 13-0546 LF 10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.88	97.55
<i>For Seal Class B, Add</i>	24.39	
<i>For Seal Class A, Add</i>	52.02	
<i>For Work In Restricted Working Space, Add</i>	48.77	
23 31 13 13-0547 LF 10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	195.19	102.42
<i>For Seal Class B, Add</i>	25.61	
<i>For Seal Class A, Add</i>	54.63	
<i>For Work In Restricted Working Space, Add</i>	51.21	
23 31 13 13-0548 LF 12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.53	58.53
<i>For Seal Class B, Add</i>	14.63	
<i>For Seal Class A, Add</i>	31.22	
<i>For Work In Restricted Working Space, Add</i>	29.27	
23 31 13 13-0549 LF 12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.82	63.40
<i>For Seal Class B, Add</i>	15.85	
<i>For Seal Class A, Add</i>	33.81	
<i>For Work In Restricted Working Space, Add</i>	31.70	
23 31 13 13-0550 LF 12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.13	68.29
<i>For Seal Class B, Add</i>	17.07	
<i>For Seal Class A, Add</i>	36.42	
<i>For Work In Restricted Working Space, Add</i>	34.14	
23 31 13 13-0551 LF 12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.42	73.15
<i>For Seal Class B, Add</i>	18.29	
<i>For Seal Class A, Add</i>	39.02	
<i>For Work In Restricted Working Space, Add</i>	36.58	
23 31 13 13-0552 LF 12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.71	78.04
<i>For Seal Class B, Add</i>	19.51	
<i>For Seal Class A, Add</i>	41.62	
<i>For Work In Restricted Working Space, Add</i>	39.02	
23 31 13 13-0553 LF 12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.03	82.91
<i>For Seal Class B, Add</i>	20.73	
<i>For Seal Class A, Add</i>	44.22	
<i>For Work In Restricted Working Space, Add</i>	41.46	
23 31 13 13-0554 LF 12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.30	87.79
<i>For Seal Class B, Add</i>	21.95	
<i>For Seal Class A, Add</i>	46.82	
<i>For Work In Restricted Working Space, Add</i>	43.90	
23 31 13 13-0555 LF 12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.60	92.67
<i>For Seal Class B, Add</i>	23.17	
<i>For Seal Class A, Add</i>	49.42	
<i>For Work In Restricted Working Space, Add</i>	46.34	
23 31 13 13-0556 LF 12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.88	97.55
<i>For Seal Class B, Add</i>	24.39	
<i>For Seal Class A, Add</i>	52.02	
<i>For Work In Restricted Working Space, Add</i>	48.77	
23 31 13 13-0557 LF 12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	195.19	102.42
<i>For Seal Class B, Add</i>	25.61	
<i>For Seal Class A, Add</i>	54.63	
<i>For Work In Restricted Working Space, Add</i>	51.21	
23 31 13 13-0558 LF 12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.49	107.31
<i>For Seal Class B, Add</i>	26.83	
<i>For Seal Class A, Add</i>	57.23	
<i>For Work In Restricted Working Space, Add</i>	53.65	
23 31 13 13-0559 LF 12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.77	112.18
<i>For Seal Class B, Add</i>	28.04	
<i>For Seal Class A, Add</i>	59.83	
<i>For Work In Restricted Working Space, Add</i>	56.09	
23 31 13 13-0560 LF 12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.08	117.06
<i>For Seal Class B, Add</i>	29.27	
<i>For Seal Class A, Add</i>	62.43	
<i>For Work In Restricted Working Space, Add</i>	58.53	
23 31 13 13-0561 LF 14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.13	68.29
<i>For Seal Class B, Add</i>	17.07	
<i>For Seal Class A, Add</i>	36.42	
<i>For Work In Restricted Working Space, Add</i>	34.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0562	LF 14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.42	73.15
		<i>For Seal Class B, Add</i>	18.29	
		<i>For Seal Class A, Add</i>	39.02	
		<i>For Work In Restricted Working Space, Add</i>	36.58	
23 31 13	13-0563	LF 14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.71	78.04
		<i>For Seal Class B, Add</i>	19.51	
		<i>For Seal Class A, Add</i>	41.62	
		<i>For Work In Restricted Working Space, Add</i>	39.02	
23 31 13	13-0564	LF 14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.03	82.91
		<i>For Seal Class B, Add</i>	20.73	
		<i>For Seal Class A, Add</i>	44.22	
		<i>For Work In Restricted Working Space, Add</i>	41.46	
23 31 13	13-0565	LF 14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.30	87.79
		<i>For Seal Class B, Add</i>	21.95	
		<i>For Seal Class A, Add</i>	46.82	
		<i>For Work In Restricted Working Space, Add</i>	43.90	
23 31 13	13-0566	LF 14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.60	92.67
		<i>For Seal Class B, Add</i>	23.17	
		<i>For Seal Class A, Add</i>	49.42	
		<i>For Work In Restricted Working Space, Add</i>	46.34	
23 31 13	13-0567	LF 14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.88	97.55
		<i>For Seal Class B, Add</i>	24.39	
		<i>For Seal Class A, Add</i>	52.02	
		<i>For Work In Restricted Working Space, Add</i>	48.77	
23 31 13	13-0568	LF 14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	195.19	102.42
		<i>For Seal Class B, Add</i>	25.61	
		<i>For Seal Class A, Add</i>	54.63	
		<i>For Work In Restricted Working Space, Add</i>	51.21	
23 31 13	13-0569	LF 14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.49	107.31
		<i>For Seal Class B, Add</i>	26.83	
		<i>For Seal Class A, Add</i>	57.23	
		<i>For Work In Restricted Working Space, Add</i>	53.65	
23 31 13	13-0570	LF 14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.77	112.18
		<i>For Seal Class B, Add</i>	28.04	
		<i>For Seal Class A, Add</i>	59.83	
		<i>For Work In Restricted Working Space, Add</i>	56.09	
23 31 13	13-0571	LF 14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.08	117.06
		<i>For Seal Class B, Add</i>	29.27	
		<i>For Seal Class A, Add</i>	62.43	
		<i>For Work In Restricted Working Space, Add</i>	58.53	
23 31 13	13-0572	LF 14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.35	121.94
		<i>For Seal Class B, Add</i>	30.48	
		<i>For Seal Class A, Add</i>	65.03	
		<i>For Work In Restricted Working Space, Add</i>	60.97	
23 31 13	13-0573	LF 16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.71	78.04
		<i>For Seal Class B, Add</i>	19.51	
		<i>For Seal Class A, Add</i>	41.62	
		<i>For Work In Restricted Working Space, Add</i>	39.02	
23 31 13	13-0574	LF 16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.03	82.91
		<i>For Seal Class B, Add</i>	20.73	
		<i>For Seal Class A, Add</i>	44.22	
		<i>For Work In Restricted Working Space, Add</i>	41.46	
23 31 13	13-0575	LF 16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.30	87.79
		<i>For Seal Class B, Add</i>	21.95	
		<i>For Seal Class A, Add</i>	46.82	
		<i>For Work In Restricted Working Space, Add</i>	43.90	
23 31 13	13-0576	LF 16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.60	92.67
		<i>For Seal Class B, Add</i>	23.17	
		<i>For Seal Class A, Add</i>	49.42	
		<i>For Work In Restricted Working Space, Add</i>	46.34	
23 31 13	13-0577	LF 16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.88	97.55
		<i>For Seal Class B, Add</i>	24.39	
		<i>For Seal Class A, Add</i>	52.02	
		<i>For Work In Restricted Working Space, Add</i>	48.77	
23 31 13	13-0578	LF 16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	195.19	102.42
		<i>For Seal Class B, Add</i>	25.61	
		<i>For Seal Class A, Add</i>	54.63	
		<i>For Work In Restricted Working Space, Add</i>	51.21	
23 31 13	13-0579	LF 16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.49	107.31
		<i>For Seal Class B, Add</i>	26.83	
		<i>For Seal Class A, Add</i>	57.23	
		<i>For Work In Restricted Working Space, Add</i>	53.65	
23 31 13	13-0580	LF 16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.77	112.18
		<i>For Seal Class B, Add</i>	28.04	
		<i>For Seal Class A, Add</i>	59.83	
		<i>For Work In Restricted Working Space, Add</i>	56.09	
23 31 13	13-0581	LF 16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.08	117.06
		<i>For Seal Class B, Add</i>	29.27	
		<i>For Seal Class A, Add</i>	62.43	
		<i>For Work In Restricted Working Space, Add</i>	58.53	
23 31 13	13-0582	LF 16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.35	121.94
		<i>For Seal Class B, Add</i>	30.48	
		<i>For Seal Class A, Add</i>	65.03	
		<i>For Work In Restricted Working Space, Add</i>	60.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0583 LF 16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.67	126.82
<i>For Seal Class B, Add</i>	31.70	
<i>For Seal Class A, Add</i>	67.64	
<i>For Work In Restricted Working Space, Add</i>	63.41	
23 31 13 13-0584 LF 16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.96	131.68
<i>For Seal Class B, Add</i>	32.92	
<i>For Seal Class A, Add</i>	70.23	
<i>For Work In Restricted Working Space, Add</i>	65.84	
23 31 13 13-0585 LF 16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.24	136.57
<i>For Seal Class B, Add</i>	34.14	
<i>For Seal Class A, Add</i>	72.84	
<i>For Work In Restricted Working Space, Add</i>	68.28	
23 31 13 13-0586 LF 16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.55	141.44
<i>For Seal Class B, Add</i>	35.36	
<i>For Seal Class A, Add</i>	75.44	
<i>For Work In Restricted Working Space, Add</i>	70.72	
23 31 13 13-0587 LF 16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
<i>For Seal Class B, Add</i>	36.58	
<i>For Seal Class A, Add</i>	78.04	
<i>For Work In Restricted Working Space, Add</i>	73.16	
23 31 13 13-0588 LF 18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.30	87.79
<i>For Seal Class B, Add</i>	21.95	
<i>For Seal Class A, Add</i>	46.82	
<i>For Work In Restricted Working Space, Add</i>	43.90	
23 31 13 13-0589 LF 18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.60	92.67
<i>For Seal Class B, Add</i>	23.17	
<i>For Seal Class A, Add</i>	49.42	
<i>For Work In Restricted Working Space, Add</i>	46.34	
23 31 13 13-0590 LF 18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.88	97.55
<i>For Seal Class B, Add</i>	24.39	
<i>For Seal Class A, Add</i>	52.02	
<i>For Work In Restricted Working Space, Add</i>	48.77	
23 31 13 13-0591 LF 18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	195.19	102.42
<i>For Seal Class B, Add</i>	25.61	
<i>For Seal Class A, Add</i>	54.63	
<i>For Work In Restricted Working Space, Add</i>	51.21	
23 31 13 13-0592 LF 18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.49	107.31
<i>For Seal Class B, Add</i>	26.83	
<i>For Seal Class A, Add</i>	57.23	
<i>For Work In Restricted Working Space, Add</i>	53.65	
23 31 13 13-0593 LF 18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.77	112.18
<i>For Seal Class B, Add</i>	28.04	
<i>For Seal Class A, Add</i>	59.83	
<i>For Work In Restricted Working Space, Add</i>	56.09	
23 31 13 13-0594 LF 18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.08	117.06
<i>For Seal Class B, Add</i>	29.27	
<i>For Seal Class A, Add</i>	62.43	
<i>For Work In Restricted Working Space, Add</i>	58.53	
23 31 13 13-0595 LF 18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.35	121.94
<i>For Seal Class B, Add</i>	30.48	
<i>For Seal Class A, Add</i>	65.03	
<i>For Work In Restricted Working Space, Add</i>	60.97	
23 31 13 13-0596 LF 18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.67	126.82
<i>For Seal Class B, Add</i>	31.70	
<i>For Seal Class A, Add</i>	67.64	
<i>For Work In Restricted Working Space, Add</i>	63.41	
23 31 13 13-0597 LF 18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.96	131.68
<i>For Seal Class B, Add</i>	32.92	
<i>For Seal Class A, Add</i>	70.23	
<i>For Work In Restricted Working Space, Add</i>	65.84	
23 31 13 13-0598 LF 18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.24	136.57
<i>For Seal Class B, Add</i>	34.14	
<i>For Seal Class A, Add</i>	72.84	
<i>For Work In Restricted Working Space, Add</i>	68.28	
23 31 13 13-0599 LF 18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.55	141.44
<i>For Seal Class B, Add</i>	35.36	
<i>For Seal Class A, Add</i>	75.44	
<i>For Work In Restricted Working Space, Add</i>	70.72	
23 31 13 13-0600 LF 18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
<i>For Seal Class B, Add</i>	36.58	
<i>For Seal Class A, Add</i>	78.04	
<i>For Work In Restricted Working Space, Add</i>	73.16	
23 31 13 13-0601 LF 18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.13	151.20
<i>For Seal Class B, Add</i>	37.80	
<i>For Seal Class A, Add</i>	80.64	
<i>For Work In Restricted Working Space, Add</i>	75.60	
23 31 13 13-0602 LF 18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
<i>For Seal Class B, Add</i>	39.02	
<i>For Seal Class A, Add</i>	83.24	
<i>For Work In Restricted Working Space, Add</i>	78.04	
23 31 13 13-0603 LF 20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.88	97.55
<i>For Seal Class B, Add</i>	24.39	
<i>For Seal Class A, Add</i>	52.02	
<i>For Work In Restricted Working Space, Add</i>	48.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0604 LF 20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	195.19	102.42
For Seal Class B, Add	25.61	
For Seal Class A, Add	54.63	
For Work In Restricted Working Space, Add	51.21	
23 31 13 13-0605 LF 20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.49	107.31
For Seal Class B, Add	26.83	
For Seal Class A, Add	57.23	
For Work In Restricted Working Space, Add	53.65	
23 31 13 13-0606 LF 20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.77	112.18
For Seal Class B, Add	28.04	
For Seal Class A, Add	59.83	
For Work In Restricted Working Space, Add	56.09	
23 31 13 13-0607 LF 20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.08	117.06
For Seal Class B, Add	29.27	
For Seal Class A, Add	62.43	
For Work In Restricted Working Space, Add	58.53	
23 31 13 13-0608 LF 20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.35	121.94
For Seal Class B, Add	30.48	
For Seal Class A, Add	65.03	
For Work In Restricted Working Space, Add	60.97	
23 31 13 13-0609 LF 20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.67	126.82
For Seal Class B, Add	31.70	
For Seal Class A, Add	67.64	
For Work In Restricted Working Space, Add	63.41	
23 31 13 13-0610 LF 20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.96	131.68
For Seal Class B, Add	32.92	
For Seal Class A, Add	70.23	
For Work In Restricted Working Space, Add	65.84	
23 31 13 13-0611 LF 20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.24	136.57
For Seal Class B, Add	34.14	
For Seal Class A, Add	72.84	
For Work In Restricted Working Space, Add	68.28	
23 31 13 13-0612 LF 20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.55	141.44
For Seal Class B, Add	35.36	
For Seal Class A, Add	75.44	
For Work In Restricted Working Space, Add	70.72	
23 31 13 13-0613 LF 20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
For Seal Class B, Add	36.58	
For Seal Class A, Add	78.04	
For Work In Restricted Working Space, Add	73.16	
23 31 13 13-0614 LF 20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.13	151.20
For Seal Class B, Add	37.80	
For Seal Class A, Add	80.64	
For Work In Restricted Working Space, Add	75.60	
23 31 13 13-0615 LF 20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
For Seal Class B, Add	39.02	
For Seal Class A, Add	83.24	
For Work In Restricted Working Space, Add	78.04	
23 31 13 13-0616 LF 20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.72	160.95
For Seal Class B, Add	40.24	
For Seal Class A, Add	85.84	
For Work In Restricted Working Space, Add	80.48	
23 31 13 13-0617 LF 20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
For Seal Class B, Add	41.46	
For Seal Class A, Add	88.44	
For Work In Restricted Working Space, Add	82.91	
23 31 13 13-0618 LF 22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.49	107.31
For Seal Class B, Add	26.83	
For Seal Class A, Add	57.23	
For Work In Restricted Working Space, Add	53.65	
23 31 13 13-0619 LF 22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.77	112.18
For Seal Class B, Add	28.04	
For Seal Class A, Add	59.83	
For Work In Restricted Working Space, Add	56.09	
23 31 13 13-0620 LF 22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.08	117.06
For Seal Class B, Add	29.27	
For Seal Class A, Add	62.43	
For Work In Restricted Working Space, Add	58.53	
23 31 13 13-0621 LF 22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.35	121.94
For Seal Class B, Add	30.48	
For Seal Class A, Add	65.03	
For Work In Restricted Working Space, Add	60.97	
23 31 13 13-0622 LF 22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.67	126.82
For Seal Class B, Add	31.70	
For Seal Class A, Add	67.64	
For Work In Restricted Working Space, Add	63.41	
23 31 13 13-0623 LF 22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.96	131.68
For Seal Class B, Add	32.92	
For Seal Class A, Add	70.23	
For Work In Restricted Working Space, Add	65.84	
23 31 13 13-0624 LF 22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.24	136.57
For Seal Class B, Add	34.14	
For Seal Class A, Add	72.84	
For Work In Restricted Working Space, Add	68.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0625 LF 22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.55	141.44
<i>For Seal Class B, Add</i>	35.36	
<i>For Seal Class A, Add</i>	75.44	
<i>For Work In Restricted Working Space, Add</i>	70.72	
23 31 13 13-0626 LF 22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
<i>For Seal Class B, Add</i>	36.58	
<i>For Seal Class A, Add</i>	78.04	
<i>For Work In Restricted Working Space, Add</i>	73.16	
23 31 13 13-0627 LF 22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.13	151.20
<i>For Seal Class B, Add</i>	37.80	
<i>For Seal Class A, Add</i>	80.64	
<i>For Work In Restricted Working Space, Add</i>	75.60	
23 31 13 13-0628 LF 22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
<i>For Seal Class B, Add</i>	39.02	
<i>For Seal Class A, Add</i>	83.24	
<i>For Work In Restricted Working Space, Add</i>	78.04	
23 31 13 13-0629 LF 22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.72	160.95
<i>For Seal Class B, Add</i>	40.24	
<i>For Seal Class A, Add</i>	85.84	
<i>For Work In Restricted Working Space, Add</i>	80.48	
23 31 13 13-0630 LF 22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
<i>For Seal Class B, Add</i>	41.46	
<i>For Seal Class A, Add</i>	88.44	
<i>For Work In Restricted Working Space, Add</i>	82.91	
23 31 13 13-0631 LF 22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.32	170.71
<i>For Seal Class B, Add</i>	42.68	
<i>For Seal Class A, Add</i>	91.04	
<i>For Work In Restricted Working Space, Add</i>	85.35	
23 31 13 13-0632 LF 24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.08	117.06
<i>For Seal Class B, Add</i>	29.27	
<i>For Seal Class A, Add</i>	62.43	
<i>For Work In Restricted Working Space, Add</i>	58.53	
23 31 13 13-0633 LF 24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.35	121.94
<i>For Seal Class B, Add</i>	30.48	
<i>For Seal Class A, Add</i>	65.03	
<i>For Work In Restricted Working Space, Add</i>	60.97	
23 31 13 13-0634 LF 24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.67	126.82
<i>For Seal Class B, Add</i>	31.70	
<i>For Seal Class A, Add</i>	67.64	
<i>For Work In Restricted Working Space, Add</i>	63.41	
23 31 13 13-0635 LF 24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.96	131.68
<i>For Seal Class B, Add</i>	32.92	
<i>For Seal Class A, Add</i>	70.23	
<i>For Work In Restricted Working Space, Add</i>	65.84	
23 31 13 13-0636 LF 24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.24	136.57
<i>For Seal Class B, Add</i>	34.14	
<i>For Seal Class A, Add</i>	72.84	
<i>For Work In Restricted Working Space, Add</i>	68.28	
23 31 13 13-0637 LF 24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.55	141.44
<i>For Seal Class B, Add</i>	35.36	
<i>For Seal Class A, Add</i>	75.44	
<i>For Work In Restricted Working Space, Add</i>	70.72	
23 31 13 13-0638 LF 24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
<i>For Seal Class B, Add</i>	36.58	
<i>For Seal Class A, Add</i>	78.04	
<i>For Work In Restricted Working Space, Add</i>	73.16	
23 31 13 13-0639 LF 24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.13	151.20
<i>For Seal Class B, Add</i>	37.80	
<i>For Seal Class A, Add</i>	80.64	
<i>For Work In Restricted Working Space, Add</i>	75.60	
23 31 13 13-0640 LF 24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
<i>For Seal Class B, Add</i>	39.02	
<i>For Seal Class A, Add</i>	83.24	
<i>For Work In Restricted Working Space, Add</i>	78.04	
23 31 13 13-0641 LF 24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.72	160.95
<i>For Seal Class B, Add</i>	40.24	
<i>For Seal Class A, Add</i>	85.84	
<i>For Work In Restricted Working Space, Add</i>	80.48	
23 31 13 13-0642 LF 24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
<i>For Seal Class B, Add</i>	41.46	
<i>For Seal Class A, Add</i>	88.44	
<i>For Work In Restricted Working Space, Add</i>	82.91	
23 31 13 13-0643 LF 24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.32	170.71
<i>For Seal Class B, Add</i>	42.68	
<i>For Seal Class A, Add</i>	91.04	
<i>For Work In Restricted Working Space, Add</i>	85.35	
23 31 13 13-0644 LF 24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.60	175.59
<i>For Seal Class B, Add</i>	43.90	
<i>For Seal Class A, Add</i>	93.64	
<i>For Work In Restricted Working Space, Add</i>	87.79	
23 31 13 13-0645 LF 26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.67	126.82
<i>For Seal Class B, Add</i>	31.70	
<i>For Seal Class A, Add</i>	67.64	
<i>For Work In Restricted Working Space, Add</i>	63.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0646	LF 26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.96	131.68
		<i>For Seal Class B, Add</i>	32.92	
		<i>For Seal Class A, Add</i>	70.23	
		<i>For Work In Restricted Working Space, Add</i>	65.84	
23 31 13	13-0647	LF 26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.24	136.57
		<i>For Seal Class B, Add</i>	34.14	
		<i>For Seal Class A, Add</i>	72.84	
		<i>For Work In Restricted Working Space, Add</i>	68.28	
23 31 13	13-0648	LF 26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.55	141.44
		<i>For Seal Class B, Add</i>	35.36	
		<i>For Seal Class A, Add</i>	75.44	
		<i>For Work In Restricted Working Space, Add</i>	70.72	
23 31 13	13-0649	LF 26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
		<i>For Seal Class B, Add</i>	36.58	
		<i>For Seal Class A, Add</i>	78.04	
		<i>For Work In Restricted Working Space, Add</i>	73.16	
23 31 13	13-0650	LF 26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.13	151.20
		<i>For Seal Class B, Add</i>	37.80	
		<i>For Seal Class A, Add</i>	80.64	
		<i>For Work In Restricted Working Space, Add</i>	75.60	
23 31 13	13-0651	LF 26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
		<i>For Seal Class B, Add</i>	39.02	
		<i>For Seal Class A, Add</i>	83.24	
		<i>For Work In Restricted Working Space, Add</i>	78.04	
23 31 13	13-0652	LF 26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.72	160.95
		<i>For Seal Class B, Add</i>	40.24	
		<i>For Seal Class A, Add</i>	85.84	
		<i>For Work In Restricted Working Space, Add</i>	80.48	
23 31 13	13-0653	LF 26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
		<i>For Seal Class B, Add</i>	41.46	
		<i>For Seal Class A, Add</i>	88.44	
		<i>For Work In Restricted Working Space, Add</i>	82.91	
23 31 13	13-0654	LF 26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.32	170.71
		<i>For Seal Class B, Add</i>	42.68	
		<i>For Seal Class A, Add</i>	91.04	
		<i>For Work In Restricted Working Space, Add</i>	85.35	
23 31 13	13-0655	LF 26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.60	175.59
		<i>For Seal Class B, Add</i>	43.90	
		<i>For Seal Class A, Add</i>	93.64	
		<i>For Work In Restricted Working Space, Add</i>	87.79	
23 31 13	13-0656	LF 26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.91	180.46
		<i>For Seal Class B, Add</i>	45.12	
		<i>For Seal Class A, Add</i>	96.25	
		<i>For Work In Restricted Working Space, Add</i>	90.23	
23 31 13	13-0657	LF 28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.24	136.57
		<i>For Seal Class B, Add</i>	34.14	
		<i>For Seal Class A, Add</i>	72.84	
		<i>For Work In Restricted Working Space, Add</i>	68.28	
23 31 13	13-0658	LF 28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.55	141.44
		<i>For Seal Class B, Add</i>	35.36	
		<i>For Seal Class A, Add</i>	75.44	
		<i>For Work In Restricted Working Space, Add</i>	70.72	
23 31 13	13-0659	LF 28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
		<i>For Seal Class B, Add</i>	36.58	
		<i>For Seal Class A, Add</i>	78.04	
		<i>For Work In Restricted Working Space, Add</i>	73.16	
23 31 13	13-0660	LF 28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.13	151.20
		<i>For Seal Class B, Add</i>	37.80	
		<i>For Seal Class A, Add</i>	80.64	
		<i>For Work In Restricted Working Space, Add</i>	75.60	
23 31 13	13-0661	LF 28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
		<i>For Seal Class B, Add</i>	39.02	
		<i>For Seal Class A, Add</i>	83.24	
		<i>For Work In Restricted Working Space, Add</i>	78.04	
23 31 13	13-0662	LF 28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.72	160.95
		<i>For Seal Class B, Add</i>	40.24	
		<i>For Seal Class A, Add</i>	85.84	
		<i>For Work In Restricted Working Space, Add</i>	80.48	
23 31 13	13-0663	LF 28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
		<i>For Seal Class B, Add</i>	41.46	
		<i>For Seal Class A, Add</i>	88.44	
		<i>For Work In Restricted Working Space, Add</i>	82.91	
23 31 13	13-0664	LF 28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.32	170.71
		<i>For Seal Class B, Add</i>	42.68	
		<i>For Seal Class A, Add</i>	91.04	
		<i>For Work In Restricted Working Space, Add</i>	85.35	
23 31 13	13-0665	LF 28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.60	175.59
		<i>For Seal Class B, Add</i>	43.90	
		<i>For Seal Class A, Add</i>	93.64	
		<i>For Work In Restricted Working Space, Add</i>	87.79	
23 31 13	13-0666	LF 28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.91	180.46
		<i>For Seal Class B, Add</i>	45.12	
		<i>For Seal Class A, Add</i>	96.25	
		<i>For Work In Restricted Working Space, Add</i>	90.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0667 LF 28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	353.20	185.34
<i>For Seal Class B, Add</i>	46.34	
<i>For Seal Class A, Add</i>	98.85	
<i>For Work In Restricted Working Space, Add</i>	92.67	
23 31 13 13-0668 LF 30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.85	146.32
<i>For Seal Class B, Add</i>	36.58	
<i>For Seal Class A, Add</i>	78.04	
<i>For Work In Restricted Working Space, Add</i>	73.16	
23 31 13 13-0669 LF 30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.13	151.20
<i>For Seal Class B, Add</i>	37.80	
<i>For Seal Class A, Add</i>	80.64	
<i>For Work In Restricted Working Space, Add</i>	75.60	
23 31 13 13-0670 LF 30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
<i>For Seal Class B, Add</i>	39.02	
<i>For Seal Class A, Add</i>	83.24	
<i>For Work In Restricted Working Space, Add</i>	78.04	
23 31 13 13-0671 LF 30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.72	160.95
<i>For Seal Class B, Add</i>	40.24	
<i>For Seal Class A, Add</i>	85.84	
<i>For Work In Restricted Working Space, Add</i>	80.48	
23 31 13 13-0672 LF 30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
<i>For Seal Class B, Add</i>	41.46	
<i>For Seal Class A, Add</i>	88.44	
<i>For Work In Restricted Working Space, Add</i>	82.91	
23 31 13 13-0673 LF 30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.32	170.71
<i>For Seal Class B, Add</i>	42.68	
<i>For Seal Class A, Add</i>	91.04	
<i>For Work In Restricted Working Space, Add</i>	85.35	
23 31 13 13-0674 LF 30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.60	175.59
<i>For Seal Class B, Add</i>	43.90	
<i>For Seal Class A, Add</i>	93.64	
<i>For Work In Restricted Working Space, Add</i>	87.79	
23 31 13 13-0675 LF 30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.91	180.46
<i>For Seal Class B, Add</i>	45.12	
<i>For Seal Class A, Add</i>	96.25	
<i>For Work In Restricted Working Space, Add</i>	90.23	
23 31 13 13-0676 LF 30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	353.20	185.34
<i>For Seal Class B, Add</i>	46.34	
<i>For Seal Class A, Add</i>	98.85	
<i>For Work In Restricted Working Space, Add</i>	92.67	
23 31 13 13-0677 LF 30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.49	190.21
<i>For Seal Class B, Add</i>	47.55	
<i>For Seal Class A, Add</i>	101.45	
<i>For Work In Restricted Working Space, Add</i>	95.11	
23 31 13 13-0678 LF 32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.44	156.08
<i>For Seal Class B, Add</i>	39.02	
<i>For Seal Class A, Add</i>	83.24	
<i>For Work In Restricted Working Space, Add</i>	78.04	
23 31 13 13-0679 LF 32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.72	160.95
<i>For Seal Class B, Add</i>	40.24	
<i>For Seal Class A, Add</i>	85.84	
<i>For Work In Restricted Working Space, Add</i>	80.48	
23 31 13 13-0680 LF 32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
<i>For Seal Class B, Add</i>	41.46	
<i>For Seal Class A, Add</i>	88.44	
<i>For Work In Restricted Working Space, Add</i>	82.91	
23 31 13 13-0681 LF 32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.32	170.71
<i>For Seal Class B, Add</i>	42.68	
<i>For Seal Class A, Add</i>	91.04	
<i>For Work In Restricted Working Space, Add</i>	85.35	
23 31 13 13-0682 LF 32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.60	175.59
<i>For Seal Class B, Add</i>	43.90	
<i>For Seal Class A, Add</i>	93.64	
<i>For Work In Restricted Working Space, Add</i>	87.79	
23 31 13 13-0683 LF 32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.91	180.46
<i>For Seal Class B, Add</i>	45.12	
<i>For Seal Class A, Add</i>	96.25	
<i>For Work In Restricted Working Space, Add</i>	90.23	
23 31 13 13-0684 LF 32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	353.20	185.34
<i>For Seal Class B, Add</i>	46.34	
<i>For Seal Class A, Add</i>	98.85	
<i>For Work In Restricted Working Space, Add</i>	92.67	
23 31 13 13-0685 LF 32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.49	190.21
<i>For Seal Class B, Add</i>	47.55	
<i>For Seal Class A, Add</i>	101.45	
<i>For Work In Restricted Working Space, Add</i>	95.11	
23 31 13 13-0686 LF 32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.79	195.10
<i>For Seal Class B, Add</i>	48.77	
<i>For Seal Class A, Add</i>	104.05	
<i>For Work In Restricted Working Space, Add</i>	97.55	
23 31 13 13-0687 LF 34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.01	165.84
<i>For Seal Class B, Add</i>	41.46	
<i>For Seal Class A, Add</i>	88.44	
<i>For Work In Restricted Working Space, Add</i>	82.91	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0688 LF 34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.32	170.71
For Seal Class B, Add	42.68	
For Seal Class A, Add	91.04	
For Work In Restricted Working Space, Add	85.35	
23 31 13 13-0689 LF 34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.60	175.59
For Seal Class B, Add	43.90	
For Seal Class A, Add	93.64	
For Work In Restricted Working Space, Add	87.79	
23 31 13 13-0690 LF 34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.91	180.46
For Seal Class B, Add	45.12	
For Seal Class A, Add	96.25	
For Work In Restricted Working Space, Add	90.23	
23 31 13 13-0691 LF 34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	353.20	185.34
For Seal Class B, Add	46.34	
For Seal Class A, Add	98.85	
For Work In Restricted Working Space, Add	92.67	
23 31 13 13-0692 LF 34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.49	190.21
For Seal Class B, Add	47.55	
For Seal Class A, Add	101.45	
For Work In Restricted Working Space, Add	95.11	
23 31 13 13-0693 LF 34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.79	195.10
For Seal Class B, Add	48.77	
For Seal Class A, Add	104.05	
For Work In Restricted Working Space, Add	97.55	
23 31 13 13-0694 LF 34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	381.07	199.97
For Seal Class B, Add	49.99	
For Seal Class A, Add	106.65	
For Work In Restricted Working Space, Add	99.98	
23 31 13 13-0695 LF 36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.60	175.59
For Seal Class B, Add	43.90	
For Seal Class A, Add	93.64	
For Work In Restricted Working Space, Add	87.79	
23 31 13 13-0696 LF 36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.91	180.46
For Seal Class B, Add	45.12	
For Seal Class A, Add	96.25	
For Work In Restricted Working Space, Add	90.23	
23 31 13 13-0697 LF 36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	353.20	185.34
For Seal Class B, Add	46.34	
For Seal Class A, Add	98.85	
For Work In Restricted Working Space, Add	92.67	
23 31 13 13-0698 LF 36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.49	190.21
For Seal Class B, Add	47.55	
For Seal Class A, Add	101.45	
For Work In Restricted Working Space, Add	95.11	
23 31 13 13-0699 LF 36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.79	195.10
For Seal Class B, Add	48.77	
For Seal Class A, Add	104.05	
For Work In Restricted Working Space, Add	97.55	
23 31 13 13-0700 LF 36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	381.07	199.97
For Seal Class B, Add	49.99	
For Seal Class A, Add	106.65	
For Work In Restricted Working Space, Add	99.98	
23 31 13 13-0701 LF 36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	390.37	204.85
For Seal Class B, Add	51.21	
For Seal Class A, Add	109.25	
For Work In Restricted Working Space, Add	102.42	
23 31 13 13-0702 LF 38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	353.20	185.34
For Seal Class B, Add	46.34	
For Seal Class A, Add	98.85	
For Work In Restricted Working Space, Add	92.67	
23 31 13 13-0703 LF 38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.49	190.21
For Seal Class B, Add	47.55	
For Seal Class A, Add	101.45	
For Work In Restricted Working Space, Add	95.11	
23 31 13 13-0704 LF 38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.79	195.10
For Seal Class B, Add	48.77	
For Seal Class A, Add	104.05	
For Work In Restricted Working Space, Add	97.55	
23 31 13 13-0705 LF 38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	381.07	199.97
For Seal Class B, Add	49.99	
For Seal Class A, Add	106.65	
For Work In Restricted Working Space, Add	99.98	
23 31 13 13-0706 LF 38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	390.37	204.85
For Seal Class B, Add	51.21	
For Seal Class A, Add	109.25	
For Work In Restricted Working Space, Add	102.42	
23 31 13 13-0707 LF 38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.69	209.73
For Seal Class B, Add	52.43	
For Seal Class A, Add	111.86	
For Work In Restricted Working Space, Add	104.87	
23 31 13 13-0708 LF 38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	408.97	214.61
For Seal Class B, Add	53.65	
For Seal Class A, Add	114.46	
For Work In Restricted Working Space, Add	107.30	



Heating, Ventilating, and Air-Conditioning (HVAC) 23

HVAC Air Distribution 23 30

HVAC Ducts and Casings 23 31

23

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows list HVAC ductwork specifications and associated costs.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0730 LF 44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.14	234.12
For Seal Class B, Add	58.53	
For Seal Class A, Add	124.86	
For Work In Restricted Working Space, Add	117.05	
23 31 13 13-0731 LF 44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.42	238.99
For Seal Class B, Add	59.75	
For Seal Class A, Add	127.46	
For Work In Restricted Working Space, Add	119.49	
23 31 13 13-0732 LF 44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.75	243.87
For Seal Class B, Add	60.97	
For Seal Class A, Add	130.07	
For Work In Restricted Working Space, Add	121.94	
23 31 13 13-0733 LF 46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	427.54	224.37
For Seal Class B, Add	56.09	
For Seal Class A, Add	119.66	
For Work In Restricted Working Space, Add	112.18	
23 31 13 13-0734 LF 46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	436.85	229.24
For Seal Class B, Add	57.31	
For Seal Class A, Add	122.26	
For Work In Restricted Working Space, Add	114.62	
23 31 13 13-0735 LF 46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.14	234.12
For Seal Class B, Add	58.53	
For Seal Class A, Add	124.86	
For Work In Restricted Working Space, Add	117.05	
23 31 13 13-0736 LF 46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.42	238.99
For Seal Class B, Add	59.75	
For Seal Class A, Add	127.46	
For Work In Restricted Working Space, Add	119.49	
23 31 13 13-0737 LF 46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.75	243.87
For Seal Class B, Add	60.97	
For Seal Class A, Add	130.07	
For Work In Restricted Working Space, Add	121.94	
23 31 13 13-0738 LF 46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.17	253.63
For Seal Class B, Add	63.41	
For Seal Class A, Add	135.27	
For Work In Restricted Working Space, Add	126.81	
23 31 13 13-0739 LF 46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	491.44	258.50
For Seal Class B, Add	64.62	
For Seal Class A, Add	137.87	
For Work In Restricted Working Space, Add	129.25	
23 31 13 13-0740 LF 48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.14	234.12
For Seal Class B, Add	58.53	
For Seal Class A, Add	124.86	
For Work In Restricted Working Space, Add	117.05	
23 31 13 13-0741 LF 48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.42	238.99
For Seal Class B, Add	59.75	
For Seal Class A, Add	127.46	
For Work In Restricted Working Space, Add	119.49	
23 31 13 13-0742 LF 48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.75	243.87
For Seal Class B, Add	60.97	
For Seal Class A, Add	130.07	
For Work In Restricted Working Space, Add	121.94	
23 31 13 13-0743 LF 48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	474.04	248.74
For Seal Class B, Add	62.19	
For Seal Class A, Add	132.67	
For Work In Restricted Working Space, Add	124.37	
23 31 13 13-0744 LF 48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.32	253.63
For Seal Class B, Add	63.41	
For Seal Class A, Add	135.27	
For Work In Restricted Working Space, Add	126.81	
23 31 13 13-0745 LF 48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.62	258.50
For Seal Class B, Add	64.62	
For Seal Class A, Add	137.87	
For Work In Restricted Working Space, Add	129.25	
23 31 13 13-0746 LF 48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	501.90	263.39
For Seal Class B, Add	65.84	
For Seal Class A, Add	140.47	
For Work In Restricted Working Space, Add	131.69	
23 31 13 13-0747 LF 50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.75	243.87
For Seal Class B, Add	60.97	
For Seal Class A, Add	130.07	
For Work In Restricted Working Space, Add	121.94	
23 31 13 13-0748 LF 50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	474.04	248.74
For Seal Class B, Add	62.19	
For Seal Class A, Add	132.67	
For Work In Restricted Working Space, Add	124.37	
23 31 13 13-0749 LF 50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.32	253.63
For Seal Class B, Add	63.41	
For Seal Class A, Add	135.27	
For Work In Restricted Working Space, Add	126.81	
23 31 13 13-0750 LF 50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.62	258.50
For Seal Class B, Add	64.62	
For Seal Class A, Add	137.87	
For Work In Restricted Working Space, Add	129.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0751 LF 50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	501.90	263.39
<i>For Seal Class B, Add</i>	65.84	
<i>For Seal Class A, Add</i>	140.47	
<i>For Work In Restricted Working Space, Add</i>	131.69	
23 31 13 13-0752 LF 50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	511.20	268.26
<i>For Seal Class B, Add</i>	67.06	
<i>For Seal Class A, Add</i>	143.07	
<i>For Work In Restricted Working Space, Add</i>	134.13	
23 31 13 13-0753 LF 52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.32	253.63
<i>For Seal Class B, Add</i>	63.41	
<i>For Seal Class A, Add</i>	135.27	
<i>For Work In Restricted Working Space, Add</i>	126.81	
23 31 13 13-0754 LF 52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.62	258.50
<i>For Seal Class B, Add</i>	64.62	
<i>For Seal Class A, Add</i>	137.87	
<i>For Work In Restricted Working Space, Add</i>	129.25	
23 31 13 13-0755 LF 52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	501.90	263.39
<i>For Seal Class B, Add</i>	65.84	
<i>For Seal Class A, Add</i>	140.47	
<i>For Work In Restricted Working Space, Add</i>	131.69	
23 31 13 13-0756 LF 52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	511.20	268.26
<i>For Seal Class B, Add</i>	67.06	
<i>For Seal Class A, Add</i>	143.07	
<i>For Work In Restricted Working Space, Add</i>	134.13	
23 31 13 13-0757 LF 52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.52	273.14
<i>For Seal Class B, Add</i>	68.28	
<i>For Seal Class A, Add</i>	145.67	
<i>For Work In Restricted Working Space, Add</i>	136.57	
23 31 13 13-0758 LF 54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	501.90	263.39
<i>For Seal Class B, Add</i>	65.84	
<i>For Seal Class A, Add</i>	140.47	
<i>For Work In Restricted Working Space, Add</i>	131.69	
23 31 13 13-0759 LF 54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	511.20	268.26
<i>For Seal Class B, Add</i>	67.06	
<i>For Seal Class A, Add</i>	143.07	
<i>For Work In Restricted Working Space, Add</i>	134.13	
23 31 13 13-0760 LF 54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.52	273.14
<i>For Seal Class B, Add</i>	68.28	
<i>For Seal Class A, Add</i>	145.67	
<i>For Work In Restricted Working Space, Add</i>	136.57	
23 31 13 13-0761 LF 54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	529.80	278.02
<i>For Seal Class B, Add</i>	69.50	
<i>For Seal Class A, Add</i>	148.28	
<i>For Work In Restricted Working Space, Add</i>	139.01	
23 31 13 13-0762 LF 54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.09	282.88
<i>For Seal Class B, Add</i>	70.72	
<i>For Seal Class A, Add</i>	150.87	
<i>For Work In Restricted Working Space, Add</i>	141.44	
23 31 13 13-0763 LF 54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.38	287.76
<i>For Seal Class B, Add</i>	71.94	
<i>For Seal Class A, Add</i>	153.48	
<i>For Work In Restricted Working Space, Add</i>	143.88	
23 31 13 13-0764 LF 56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.52	273.14
<i>For Seal Class B, Add</i>	68.28	
<i>For Seal Class A, Add</i>	145.67	
<i>For Work In Restricted Working Space, Add</i>	136.57	
23 31 13 13-0765 LF 56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	529.80	278.02
<i>For Seal Class B, Add</i>	69.50	
<i>For Seal Class A, Add</i>	148.28	
<i>For Work In Restricted Working Space, Add</i>	139.01	
23 31 13 13-0766 LF 56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.09	282.88
<i>For Seal Class B, Add</i>	70.72	
<i>For Seal Class A, Add</i>	150.87	
<i>For Work In Restricted Working Space, Add</i>	141.44	
23 31 13 13-0767 LF 56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.38	287.76
<i>For Seal Class B, Add</i>	71.94	
<i>For Seal Class A, Add</i>	153.48	
<i>For Work In Restricted Working Space, Add</i>	143.88	
23 31 13 13-0768 LF 56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	557.67	292.64
<i>For Seal Class B, Add</i>	73.16	
<i>For Seal Class A, Add</i>	156.07	
<i>For Work In Restricted Working Space, Add</i>	146.32	
23 31 13 13-0769 LF 58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.09	282.88
<i>For Seal Class B, Add</i>	70.72	
<i>For Seal Class A, Add</i>	150.87	
<i>For Work In Restricted Working Space, Add</i>	141.44	
23 31 13 13-0770 LF 58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.38	287.76
<i>For Seal Class B, Add</i>	71.94	
<i>For Seal Class A, Add</i>	153.48	
<i>For Work In Restricted Working Space, Add</i>	143.88	
23 31 13 13-0771 LF 58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	557.67	292.64
<i>For Seal Class B, Add</i>	73.16	
<i>For Seal Class A, Add</i>	156.07	
<i>For Work In Restricted Working Space, Add</i>	146.32	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0772 LF 58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	566.98	297.52
For Seal Class B, Add	74.38	
For Seal Class A, Add	158.68	
For Work In Restricted Working Space, Add	148.76	
23 31 13 13-0773 LF 58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.26	302.39
For Seal Class B, Add	75.60	
For Seal Class A, Add	161.28	
For Work In Restricted Working Space, Add	151.20	
23 31 13 13-0774 LF 60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	557.67	292.64
For Seal Class B, Add	73.16	
For Seal Class A, Add	156.07	
For Work In Restricted Working Space, Add	146.32	
23 31 13 13-0775 LF 60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	566.98	297.52
For Seal Class B, Add	74.38	
For Seal Class A, Add	158.68	
For Work In Restricted Working Space, Add	148.76	
23 31 13 13-0776 LF 60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.26	302.39
For Seal Class B, Add	75.60	
For Seal Class A, Add	161.28	
For Work In Restricted Working Space, Add	151.20	
23 31 13 13-0777 LF 60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.57	307.28
For Seal Class B, Add	76.82	
For Seal Class A, Add	163.88	
For Work In Restricted Working Space, Add	153.64	
23 31 13 13-0778 LF 60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.87	312.15
For Seal Class B, Add	78.04	
For Seal Class A, Add	166.48	
For Work In Restricted Working Space, Add	156.08	
23 31 13 13-0779 LF 62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.26	302.39
For Seal Class B, Add	75.60	
For Seal Class A, Add	161.28	
For Work In Restricted Working Space, Add	151.20	
23 31 13 13-0780 LF 62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.57	307.28
For Seal Class B, Add	76.82	
For Seal Class A, Add	163.88	
For Work In Restricted Working Space, Add	153.64	
23 31 13 13-0781 LF 62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.87	312.15
For Seal Class B, Add	78.04	
For Seal Class A, Add	166.48	
For Work In Restricted Working Space, Add	156.08	
23 31 13 13-0782 LF 62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	604.15	317.03
For Seal Class B, Add	79.26	
For Seal Class A, Add	169.08	
For Work In Restricted Working Space, Add	158.51	
23 31 13 13-0783 LF 62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	613.46	321.91
For Seal Class B, Add	80.48	
For Seal Class A, Add	171.69	
For Work In Restricted Working Space, Add	160.96	
23 31 13 13-0784 LF 64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.87	312.15
For Seal Class B, Add	78.04	
For Seal Class A, Add	166.48	
For Work In Restricted Working Space, Add	156.08	
23 31 13 13-0785 LF 64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	604.15	317.03
For Seal Class B, Add	79.26	
For Seal Class A, Add	169.08	
For Work In Restricted Working Space, Add	158.51	
23 31 13 13-0786 LF 64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	613.46	321.91
For Seal Class B, Add	80.48	
For Seal Class A, Add	171.69	
For Work In Restricted Working Space, Add	160.96	
23 31 13 13-0787 LF 64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	622.73	326.79
For Seal Class B, Add	81.70	
For Seal Class A, Add	174.28	
For Work In Restricted Working Space, Add	163.39	
23 31 13 13-0788 LF 66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	613.46	321.91
For Seal Class B, Add	80.48	
For Seal Class A, Add	171.69	
For Work In Restricted Working Space, Add	160.96	
23 31 13 13-0789 LF 66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	622.73	326.79
For Seal Class B, Add	81.70	
For Seal Class A, Add	174.28	
For Work In Restricted Working Space, Add	163.39	
23 31 13 13-0790 LF 66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	632.04	331.65
For Seal Class B, Add	82.92	
For Seal Class A, Add	176.89	
For Work In Restricted Working Space, Add	165.83	
23 31 13 13-0791 LF 66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.33	336.54
For Seal Class B, Add	84.13	
For Seal Class A, Add	179.48	
For Work In Restricted Working Space, Add	168.27	
23 31 13 13-0792 LF 68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	632.04	331.65
For Seal Class B, Add	82.92	
For Seal Class A, Add	176.89	
For Work In Restricted Working Space, Add	165.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0793 LF 68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.33	336.54
<i>For Seal Class B, Add</i>	84.13	
<i>For Seal Class A, Add</i>	179.48	
<i>For Work In Restricted Working Space, Add</i>	168.27	
23 31 13 13-0794 LF 68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	650.62	341.41
<i>For Seal Class B, Add</i>	85.35	
<i>For Seal Class A, Add</i>	182.09	
<i>For Work In Restricted Working Space, Add</i>	170.71	
23 31 13 13-0795 LF 68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	659.93	346.29
<i>For Seal Class B, Add</i>	86.57	
<i>For Seal Class A, Add</i>	184.69	
<i>For Work In Restricted Working Space, Add</i>	173.15	
23 31 13 13-0796 LF 70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	650.62	341.41
<i>For Seal Class B, Add</i>	85.35	
<i>For Seal Class A, Add</i>	182.09	
<i>For Work In Restricted Working Space, Add</i>	170.71	
23 31 13 13-0797 LF 70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	659.93	346.29
<i>For Seal Class B, Add</i>	86.57	
<i>For Seal Class A, Add</i>	184.69	
<i>For Work In Restricted Working Space, Add</i>	173.15	
23 31 13 13-0798 LF 70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	669.23	351.17
<i>For Seal Class B, Add</i>	87.79	
<i>For Seal Class A, Add</i>	187.29	
<i>For Work In Restricted Working Space, Add</i>	175.59	
23 31 13 13-0799 LF 70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	678.51	356.05
<i>For Seal Class B, Add</i>	89.01	
<i>For Seal Class A, Add</i>	189.89	
<i>For Work In Restricted Working Space, Add</i>	178.03	
23 31 13 13-0800 LF 70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	687.81	360.92
<i>For Seal Class B, Add</i>	90.23	
<i>For Seal Class A, Add</i>	192.49	
<i>For Work In Restricted Working Space, Add</i>	180.46	
23 31 13 13-0801 LF 70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	697.09	365.81
<i>For Seal Class B, Add</i>	91.45	
<i>For Seal Class A, Add</i>	195.09	
<i>For Work In Restricted Working Space, Add</i>	182.90	
23 31 13 13-0802 LF 70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	706.39	370.68
<i>For Seal Class B, Add</i>	92.67	
<i>For Seal Class A, Add</i>	197.70	
<i>For Work In Restricted Working Space, Add</i>	185.34	
23 31 13 13-0803 LF 70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.71	375.56
<i>For Seal Class B, Add</i>	93.89	
<i>For Seal Class A, Add</i>	200.30	
<i>For Work In Restricted Working Space, Add</i>	187.78	
23 31 13 13-0804 LF 72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	669.23	351.17
<i>For Seal Class B, Add</i>	87.79	
<i>For Seal Class A, Add</i>	187.29	
<i>For Work In Restricted Working Space, Add</i>	175.59	
23 31 13 13-0805 LF 72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	678.51	356.05
<i>For Seal Class B, Add</i>	89.01	
<i>For Seal Class A, Add</i>	189.89	
<i>For Work In Restricted Working Space, Add</i>	178.03	
23 31 13 13-0806 LF 72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	687.81	360.92
<i>For Seal Class B, Add</i>	90.23	
<i>For Seal Class A, Add</i>	192.49	
<i>For Work In Restricted Working Space, Add</i>	180.46	
23 31 13 13-0807 LF 72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	697.09	365.81
<i>For Seal Class B, Add</i>	91.45	
<i>For Seal Class A, Add</i>	195.09	
<i>For Work In Restricted Working Space, Add</i>	182.90	
23 31 13 13-0808 LF 72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	706.39	370.68
<i>For Seal Class B, Add</i>	92.67	
<i>For Seal Class A, Add</i>	197.70	
<i>For Work In Restricted Working Space, Add</i>	185.34	
23 31 13 13-0809 LF 72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.71	375.56
<i>For Seal Class B, Add</i>	93.89	
<i>For Seal Class A, Add</i>	200.30	
<i>For Work In Restricted Working Space, Add</i>	187.78	
23 31 13 13-0810 LF 72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.99	380.44
<i>For Seal Class B, Add</i>	95.11	
<i>For Seal Class A, Add</i>	202.90	
<i>For Work In Restricted Working Space, Add</i>	190.22	
23 31 13 13-0811 LF 74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	687.81	360.92
<i>For Seal Class B, Add</i>	90.23	
<i>For Seal Class A, Add</i>	192.49	
<i>For Work In Restricted Working Space, Add</i>	180.46	
23 31 13 13-0812 LF 74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	697.09	365.81
<i>For Seal Class B, Add</i>	91.45	
<i>For Seal Class A, Add</i>	195.09	
<i>For Work In Restricted Working Space, Add</i>	182.90	
23 31 13 13-0813 LF 74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	706.39	370.68
<i>For Seal Class B, Add</i>	92.67	
<i>For Seal Class A, Add</i>	197.70	
<i>For Work In Restricted Working Space, Add</i>	185.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0814 LF 74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.71	375.56
For Seal Class B, Add	93.89	
For Seal Class A, Add	200.30	
For Work In Restricted Working Space, Add	187.78	
23 31 13 13-0815 LF 74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.99	380.44
For Seal Class B, Add	95.11	
For Seal Class A, Add	202.90	
For Work In Restricted Working Space, Add	190.22	
23 31 13 13-0816 LF 74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	734.28	385.32
For Seal Class B, Add	96.33	
For Seal Class A, Add	205.50	
For Work In Restricted Working Space, Add	192.66	
23 31 13 13-0817 LF 76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	706.39	370.68
For Seal Class B, Add	92.67	
For Seal Class A, Add	197.70	
For Work In Restricted Working Space, Add	185.34	
23 31 13 13-0818 LF 76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.71	375.56
For Seal Class B, Add	93.89	
For Seal Class A, Add	200.30	
For Work In Restricted Working Space, Add	187.78	
23 31 13 13-0819 LF 76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.99	380.44
For Seal Class B, Add	95.11	
For Seal Class A, Add	202.90	
For Work In Restricted Working Space, Add	190.22	
23 31 13 13-0820 LF 76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	734.28	385.32
For Seal Class B, Add	96.33	
For Seal Class A, Add	205.50	
For Work In Restricted Working Space, Add	192.66	
23 31 13 13-0821 LF 76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	743.57	390.18
For Seal Class B, Add	97.55	
For Seal Class A, Add	208.10	
For Work In Restricted Working Space, Add	195.10	
23 31 13 13-0822 LF 78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.99	380.44
For Seal Class B, Add	95.11	
For Seal Class A, Add	202.90	
For Work In Restricted Working Space, Add	190.22	
23 31 13 13-0823 LF 78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	734.28	385.32
For Seal Class B, Add	96.33	
For Seal Class A, Add	205.50	
For Work In Restricted Working Space, Add	192.66	
23 31 13 13-0824 LF 78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	743.57	390.18
For Seal Class B, Add	97.55	
For Seal Class A, Add	208.10	
For Work In Restricted Working Space, Add	195.10	
23 31 13 13-0825 LF 78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	752.86	395.07
For Seal Class B, Add	98.77	
For Seal Class A, Add	210.70	
For Work In Restricted Working Space, Add	197.53	
23 31 13 13-0826 LF 80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	743.57	390.18
For Seal Class B, Add	97.55	
For Seal Class A, Add	208.10	
For Work In Restricted Working Space, Add	195.10	
23 31 13 13-0827 LF 80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	752.86	395.07
For Seal Class B, Add	98.77	
For Seal Class A, Add	210.70	
For Work In Restricted Working Space, Add	197.53	
23 31 13 13-0828 LF 80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.16	399.94
For Seal Class B, Add	99.99	
For Seal Class A, Add	213.30	
For Work In Restricted Working Space, Add	199.97	
23 31 13 13-0829 LF 82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.16	399.94
For Seal Class B, Add	99.99	
For Seal Class A, Add	213.30	
For Work In Restricted Working Space, Add	199.97	
23 31 13 13-0830 LF 82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	771.46	404.82
For Seal Class B, Add	101.21	
For Seal Class A, Add	215.91	
For Work In Restricted Working Space, Add	202.41	
23 31 13 13-0831 LF 84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	780.76	409.70
For Seal Class B, Add	102.43	
For Seal Class A, Add	218.51	
For Work In Restricted Working Space, Add	204.85	
23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0833 LF 4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.41	25.39
For Seal Class B, Add	6.35	
For Seal Class A, Add	13.55	
For Work In Restricted Working Space, Add	12.70	
23 31 13 13-0834 LF 4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.51	31.75
For Seal Class B, Add	7.94	
For Seal Class A, Add	16.93	
For Work In Restricted Working Space, Add	15.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0835 LF 4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.61	38.10
<i>For Seal Class B, Add</i>	9.53	
<i>For Seal Class A, Add</i>	20.32	
<i>For Work In Restricted Working Space, Add</i>	19.05	
23 31 13 13-0836 LF 4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.70	44.45
<i>For Seal Class B, Add</i>	11.11	
<i>For Seal Class A, Add</i>	23.71	
<i>For Work In Restricted Working Space, Add</i>	22.23	
23 31 13 13-0837 LF 4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.81	50.81
<i>For Seal Class B, Add</i>	12.70	
<i>For Seal Class A, Add</i>	27.09	
<i>For Work In Restricted Working Space, Add</i>	25.40	
23 31 13 13-0838 LF 4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.90	57.15
<i>For Seal Class B, Add</i>	14.29	
<i>For Seal Class A, Add</i>	30.48	
<i>For Work In Restricted Working Space, Add</i>	28.57	
23 31 13 13-0839 LF 4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.02	63.51
<i>For Seal Class B, Add</i>	15.88	
<i>For Seal Class A, Add</i>	33.87	
<i>For Work In Restricted Working Space, Add</i>	31.75	
23 31 13 13-0840 LF 6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.61	38.10
<i>For Seal Class B, Add</i>	9.53	
<i>For Seal Class A, Add</i>	20.32	
<i>For Work In Restricted Working Space, Add</i>	19.05	
23 31 13 13-0841 LF 6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.70	44.45
<i>For Seal Class B, Add</i>	11.11	
<i>For Seal Class A, Add</i>	23.71	
<i>For Work In Restricted Working Space, Add</i>	22.23	
23 31 13 13-0842 LF 6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.81	50.81
<i>For Seal Class B, Add</i>	12.70	
<i>For Seal Class A, Add</i>	27.09	
<i>For Work In Restricted Working Space, Add</i>	25.40	
23 31 13 13-0843 LF 6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.90	57.15
<i>For Seal Class B, Add</i>	14.29	
<i>For Seal Class A, Add</i>	30.48	
<i>For Work In Restricted Working Space, Add</i>	28.57	
23 31 13 13-0844 LF 6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.02	63.51
<i>For Seal Class B, Add</i>	15.88	
<i>For Seal Class A, Add</i>	33.87	
<i>For Work In Restricted Working Space, Add</i>	31.75	
23 31 13 13-0845 LF 6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.11	69.85
<i>For Seal Class B, Add</i>	17.46	
<i>For Seal Class A, Add</i>	37.25	
<i>For Work In Restricted Working Space, Add</i>	34.93	
23 31 13 13-0846 LF 8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.81	50.81
<i>For Seal Class B, Add</i>	12.70	
<i>For Seal Class A, Add</i>	27.09	
<i>For Work In Restricted Working Space, Add</i>	25.40	
23 31 13 13-0847 LF 8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.90	57.15
<i>For Seal Class B, Add</i>	14.29	
<i>For Seal Class A, Add</i>	30.48	
<i>For Work In Restricted Working Space, Add</i>	28.57	
23 31 13 13-0848 LF 8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.02	63.51
<i>For Seal Class B, Add</i>	15.88	
<i>For Seal Class A, Add</i>	33.87	
<i>For Work In Restricted Working Space, Add</i>	31.75	
23 31 13 13-0849 LF 8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.11	69.85
<i>For Seal Class B, Add</i>	17.46	
<i>For Seal Class A, Add</i>	37.25	
<i>For Work In Restricted Working Space, Add</i>	34.93	
23 31 13 13-0850 LF 8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.20	76.20
<i>For Seal Class B, Add</i>	19.05	
<i>For Seal Class A, Add</i>	40.64	
<i>For Work In Restricted Working Space, Add</i>	38.10	
23 31 13 13-0851 LF 8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.32	82.55
<i>For Seal Class B, Add</i>	20.64	
<i>For Seal Class A, Add</i>	44.03	
<i>For Work In Restricted Working Space, Add</i>	41.27	
23 31 13 13-0852 LF 8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.42	88.90
<i>For Seal Class B, Add</i>	22.23	
<i>For Seal Class A, Add</i>	47.41	
<i>For Work In Restricted Working Space, Add</i>	44.45	
23 31 13 13-0853 LF 8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.51	95.24
<i>For Seal Class B, Add</i>	23.81	
<i>For Seal Class A, Add</i>	50.80	
<i>For Work In Restricted Working Space, Add</i>	47.63	
23 31 13 13-0854 LF 8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.61	101.60
<i>For Seal Class B, Add</i>	25.40	
<i>For Seal Class A, Add</i>	54.19	
<i>For Work In Restricted Working Space, Add</i>	50.80	
23 31 13 13-0855 LF 10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.02	63.51
<i>For Seal Class B, Add</i>	15.88	
<i>For Seal Class A, Add</i>	33.87	
<i>For Work In Restricted Working Space, Add</i>	31.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0856	LF 10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.11	69.85
		<i>For Seal Class B, Add</i>	17.46	
		<i>For Seal Class A, Add</i>	37.25	
		<i>For Work In Restricted Working Space, Add</i>	34.93	
23 31 13	13-0857	LF 10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.20	76.20
		<i>For Seal Class B, Add</i>	19.05	
		<i>For Seal Class A, Add</i>	40.64	
		<i>For Work In Restricted Working Space, Add</i>	38.10	
23 31 13	13-0858	LF 10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.32	82.55
		<i>For Seal Class B, Add</i>	20.64	
		<i>For Seal Class A, Add</i>	44.03	
		<i>For Work In Restricted Working Space, Add</i>	41.27	
23 31 13	13-0859	LF 10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.42	88.90
		<i>For Seal Class B, Add</i>	22.23	
		<i>For Seal Class A, Add</i>	47.41	
		<i>For Work In Restricted Working Space, Add</i>	44.45	
23 31 13	13-0860	LF 10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.51	95.24
		<i>For Seal Class B, Add</i>	23.81	
		<i>For Seal Class A, Add</i>	50.80	
		<i>For Work In Restricted Working Space, Add</i>	47.63	
23 31 13	13-0861	LF 10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.61	101.60
		<i>For Seal Class B, Add</i>	25.40	
		<i>For Seal Class A, Add</i>	54.19	
		<i>For Work In Restricted Working Space, Add</i>	50.80	
23 31 13	13-0862	LF 10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.71	107.96
		<i>For Seal Class B, Add</i>	26.99	
		<i>For Seal Class A, Add</i>	57.57	
		<i>For Work In Restricted Working Space, Add</i>	53.98	
23 31 13	13-0863	LF 10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.84	114.30
		<i>For Seal Class B, Add</i>	28.58	
		<i>For Seal Class A, Add</i>	60.96	
		<i>For Work In Restricted Working Space, Add</i>	57.15	
23 31 13	13-0864	LF 10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.93	120.66
		<i>For Seal Class B, Add</i>	30.16	
		<i>For Seal Class A, Add</i>	64.35	
		<i>For Work In Restricted Working Space, Add</i>	60.33	
23 31 13	13-0865	LF 10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	242.02	127.00
		<i>For Seal Class B, Add</i>	31.75	
		<i>For Seal Class A, Add</i>	67.73	
		<i>For Work In Restricted Working Space, Add</i>	63.50	
23 31 13	13-0866	LF 10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	254.11	133.35
		<i>For Seal Class B, Add</i>	33.34	
		<i>For Seal Class A, Add</i>	71.12	
		<i>For Work In Restricted Working Space, Add</i>	66.68	
23 31 13	13-0867	LF 12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.20	76.20
		<i>For Seal Class B, Add</i>	19.05	
		<i>For Seal Class A, Add</i>	40.64	
		<i>For Work In Restricted Working Space, Add</i>	38.10	
23 31 13	13-0868	LF 12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.32	82.55
		<i>For Seal Class B, Add</i>	20.64	
		<i>For Seal Class A, Add</i>	44.03	
		<i>For Work In Restricted Working Space, Add</i>	41.27	
23 31 13	13-0869	LF 12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.42	88.90
		<i>For Seal Class B, Add</i>	22.23	
		<i>For Seal Class A, Add</i>	47.41	
		<i>For Work In Restricted Working Space, Add</i>	44.45	
23 31 13	13-0870	LF 12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.51	95.24
		<i>For Seal Class B, Add</i>	23.81	
		<i>For Seal Class A, Add</i>	50.80	
		<i>For Work In Restricted Working Space, Add</i>	47.63	
23 31 13	13-0871	LF 12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.61	101.60
		<i>For Seal Class B, Add</i>	25.40	
		<i>For Seal Class A, Add</i>	54.19	
		<i>For Work In Restricted Working Space, Add</i>	50.80	
23 31 13	13-0872	LF 12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.71	107.96
		<i>For Seal Class B, Add</i>	26.99	
		<i>For Seal Class A, Add</i>	57.57	
		<i>For Work In Restricted Working Space, Add</i>	53.98	
23 31 13	13-0873	LF 12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.84	114.30
		<i>For Seal Class B, Add</i>	28.58	
		<i>For Seal Class A, Add</i>	60.96	
		<i>For Work In Restricted Working Space, Add</i>	57.15	
23 31 13	13-0874	LF 12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.93	120.66
		<i>For Seal Class B, Add</i>	30.16	
		<i>For Seal Class A, Add</i>	64.35	
		<i>For Work In Restricted Working Space, Add</i>	60.33	
23 31 13	13-0875	LF 12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	242.02	127.00
		<i>For Seal Class B, Add</i>	31.75	
		<i>For Seal Class A, Add</i>	67.73	
		<i>For Work In Restricted Working Space, Add</i>	63.50	
23 31 13	13-0876	LF 12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	254.11	133.35
		<i>For Seal Class B, Add</i>	33.34	
		<i>For Seal Class A, Add</i>	71.12	
		<i>For Work In Restricted Working Space, Add</i>	66.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0877 LF 12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.21	139.70
For Seal Class B, Add	34.92	
For Seal Class A, Add	74.51	
For Work In Restricted Working Space, Add	69.85	
23 31 13 13-0878 LF 12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.32	146.05
For Seal Class B, Add	36.51	
For Seal Class A, Add	77.89	
For Work In Restricted Working Space, Add	73.02	
23 31 13 13-0879 LF 12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.43	152.39
For Seal Class B, Add	38.10	
For Seal Class A, Add	81.28	
For Work In Restricted Working Space, Add	76.20	
23 31 13 13-0880 LF 14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.42	88.90
For Seal Class B, Add	22.23	
For Seal Class A, Add	47.41	
For Work In Restricted Working Space, Add	44.45	
23 31 13 13-0881 LF 14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.51	95.24
For Seal Class B, Add	23.81	
For Seal Class A, Add	50.80	
For Work In Restricted Working Space, Add	47.63	
23 31 13 13-0882 LF 14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.61	101.60
For Seal Class B, Add	25.40	
For Seal Class A, Add	54.19	
For Work In Restricted Working Space, Add	50.80	
23 31 13 13-0883 LF 14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.71	107.96
For Seal Class B, Add	26.99	
For Seal Class A, Add	57.57	
For Work In Restricted Working Space, Add	53.98	
23 31 13 13-0884 LF 14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.84	114.30
For Seal Class B, Add	28.58	
For Seal Class A, Add	60.96	
For Work In Restricted Working Space, Add	57.15	
23 31 13 13-0885 LF 14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.93	120.66
For Seal Class B, Add	30.16	
For Seal Class A, Add	64.35	
For Work In Restricted Working Space, Add	60.33	
23 31 13 13-0886 LF 14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	242.02	127.00
For Seal Class B, Add	31.75	
For Seal Class A, Add	67.73	
For Work In Restricted Working Space, Add	63.50	
23 31 13 13-0887 LF 14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	254.11	133.35
For Seal Class B, Add	33.34	
For Seal Class A, Add	71.12	
For Work In Restricted Working Space, Add	66.68	
23 31 13 13-0888 LF 14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.21	139.70
For Seal Class B, Add	34.92	
For Seal Class A, Add	74.51	
For Work In Restricted Working Space, Add	69.85	
23 31 13 13-0889 LF 14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.32	146.05
For Seal Class B, Add	36.51	
For Seal Class A, Add	77.89	
For Work In Restricted Working Space, Add	73.02	
23 31 13 13-0890 LF 14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.43	152.39
For Seal Class B, Add	38.10	
For Seal Class A, Add	81.28	
For Work In Restricted Working Space, Add	76.20	
23 31 13 13-0891 LF 14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.52	158.75
For Seal Class B, Add	39.69	
For Seal Class A, Add	84.67	
For Work In Restricted Working Space, Add	79.37	
23 31 13 13-0892 LF 16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.61	101.60
For Seal Class B, Add	25.40	
For Seal Class A, Add	54.19	
For Work In Restricted Working Space, Add	50.80	
23 31 13 13-0893 LF 16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.71	107.96
For Seal Class B, Add	26.99	
For Seal Class A, Add	57.57	
For Work In Restricted Working Space, Add	53.98	
23 31 13 13-0894 LF 16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.84	114.30
For Seal Class B, Add	28.58	
For Seal Class A, Add	60.96	
For Work In Restricted Working Space, Add	57.15	
23 31 13 13-0895 LF 16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.93	120.66
For Seal Class B, Add	30.16	
For Seal Class A, Add	64.35	
For Work In Restricted Working Space, Add	60.33	
23 31 13 13-0896 LF 16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	242.02	127.00
For Seal Class B, Add	31.75	
For Seal Class A, Add	67.73	
For Work In Restricted Working Space, Add	63.50	
23 31 13 13-0897 LF 16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	254.11	133.35
For Seal Class B, Add	33.34	
For Seal Class A, Add	71.12	
For Work In Restricted Working Space, Add	66.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.21	139.70
			<i>For Seal Class B, Add</i>	34.92	
			<i>For Seal Class A, Add</i>	74.51	
			<i>For Work In Restricted Working Space, Add</i>	69.85	
23 31 13	13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.32	146.05
			<i>For Seal Class B, Add</i>	36.51	
			<i>For Seal Class A, Add</i>	77.89	
			<i>For Work In Restricted Working Space, Add</i>	73.02	
23 31 13	13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.43	152.39
			<i>For Seal Class B, Add</i>	38.10	
			<i>For Seal Class A, Add</i>	81.28	
			<i>For Work In Restricted Working Space, Add</i>	76.20	
23 31 13	13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.52	158.75
			<i>For Seal Class B, Add</i>	39.69	
			<i>For Seal Class A, Add</i>	84.67	
			<i>For Work In Restricted Working Space, Add</i>	79.37	
23 31 13	13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.62	165.09
			<i>For Seal Class B, Add</i>	41.28	
			<i>For Seal Class A, Add</i>	88.05	
			<i>For Work In Restricted Working Space, Add</i>	82.55	
23 31 13	13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.72	171.45
			<i>For Seal Class B, Add</i>	42.86	
			<i>For Seal Class A, Add</i>	91.44	
			<i>For Work In Restricted Working Space, Add</i>	85.73	
23 31 13	13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.83	177.81
			<i>For Seal Class B, Add</i>	44.45	
			<i>For Seal Class A, Add</i>	94.83	
			<i>For Work In Restricted Working Space, Add</i>	88.90	
23 31 13	13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.92	184.15
			<i>For Seal Class B, Add</i>	46.04	
			<i>For Seal Class A, Add</i>	98.21	
			<i>For Work In Restricted Working Space, Add</i>	92.07	
23 31 13	13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
			<i>For Seal Class B, Add</i>	47.63	
			<i>For Seal Class A, Add</i>	101.60	
			<i>For Work In Restricted Working Space, Add</i>	95.25	
23 31 13	13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.84	114.30
			<i>For Seal Class B, Add</i>	28.58	
			<i>For Seal Class A, Add</i>	60.96	
			<i>For Work In Restricted Working Space, Add</i>	57.15	
23 31 13	13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.93	120.66
			<i>For Seal Class B, Add</i>	30.16	
			<i>For Seal Class A, Add</i>	64.35	
			<i>For Work In Restricted Working Space, Add</i>	60.33	
23 31 13	13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	242.02	127.00
			<i>For Seal Class B, Add</i>	31.75	
			<i>For Seal Class A, Add</i>	67.73	
			<i>For Work In Restricted Working Space, Add</i>	63.50	
23 31 13	13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	254.11	133.35
			<i>For Seal Class B, Add</i>	33.34	
			<i>For Seal Class A, Add</i>	71.12	
			<i>For Work In Restricted Working Space, Add</i>	66.68	
23 31 13	13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.21	139.70
			<i>For Seal Class B, Add</i>	34.92	
			<i>For Seal Class A, Add</i>	74.51	
			<i>For Work In Restricted Working Space, Add</i>	69.85	
23 31 13	13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.32	146.05
			<i>For Seal Class B, Add</i>	36.51	
			<i>For Seal Class A, Add</i>	77.89	
			<i>For Work In Restricted Working Space, Add</i>	73.02	
23 31 13	13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.43	152.39
			<i>For Seal Class B, Add</i>	38.10	
			<i>For Seal Class A, Add</i>	81.28	
			<i>For Work In Restricted Working Space, Add</i>	76.20	
23 31 13	13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.52	158.75
			<i>For Seal Class B, Add</i>	39.69	
			<i>For Seal Class A, Add</i>	84.67	
			<i>For Work In Restricted Working Space, Add</i>	79.37	
23 31 13	13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.62	165.09
			<i>For Seal Class B, Add</i>	41.28	
			<i>For Seal Class A, Add</i>	88.05	
			<i>For Work In Restricted Working Space, Add</i>	82.55	
23 31 13	13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.72	171.45
			<i>For Seal Class B, Add</i>	42.86	
			<i>For Seal Class A, Add</i>	91.44	
			<i>For Work In Restricted Working Space, Add</i>	85.73	
23 31 13	13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.83	177.81
			<i>For Seal Class B, Add</i>	44.45	
			<i>For Seal Class A, Add</i>	94.83	
			<i>For Work In Restricted Working Space, Add</i>	88.90	
23 31 13	13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.92	184.15
			<i>For Seal Class B, Add</i>	46.04	
			<i>For Seal Class A, Add</i>	98.21	
			<i>For Work In Restricted Working Space, Add</i>	92.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0919 LF 18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
For Seal Class B, Add	47.63	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0920 LF 18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.13	196.85
For Seal Class B, Add	49.21	
For Seal Class A, Add	104.99	
For Work In Restricted Working Space, Add	98.43	
23 31 13 13-0921 LF 18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
For Seal Class B, Add	50.80	
For Seal Class A, Add	108.37	
For Work In Restricted Working Space, Add	101.60	
23 31 13 13-0922 LF 20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	242.02	127.00
For Seal Class B, Add	31.75	
For Seal Class A, Add	67.73	
For Work In Restricted Working Space, Add	63.50	
23 31 13 13-0923 LF 20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	254.11	133.35
For Seal Class B, Add	33.34	
For Seal Class A, Add	71.12	
For Work In Restricted Working Space, Add	66.68	
23 31 13 13-0924 LF 20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.21	139.70
For Seal Class B, Add	34.92	
For Seal Class A, Add	74.51	
For Work In Restricted Working Space, Add	69.85	
23 31 13 13-0925 LF 20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.32	146.05
For Seal Class B, Add	36.51	
For Seal Class A, Add	77.89	
For Work In Restricted Working Space, Add	73.02	
23 31 13 13-0926 LF 20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.43	152.39
For Seal Class B, Add	38.10	
For Seal Class A, Add	81.28	
For Work In Restricted Working Space, Add	76.20	
23 31 13 13-0927 LF 20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.52	158.75
For Seal Class B, Add	39.69	
For Seal Class A, Add	84.67	
For Work In Restricted Working Space, Add	79.37	
23 31 13 13-0928 LF 20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.62	165.09
For Seal Class B, Add	41.28	
For Seal Class A, Add	88.05	
For Work In Restricted Working Space, Add	82.55	
23 31 13 13-0929 LF 20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.72	171.45
For Seal Class B, Add	42.86	
For Seal Class A, Add	91.44	
For Work In Restricted Working Space, Add	85.73	
23 31 13 13-0930 LF 20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.83	177.81
For Seal Class B, Add	44.45	
For Seal Class A, Add	94.83	
For Work In Restricted Working Space, Add	88.90	
23 31 13 13-0931 LF 20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.92	184.15
For Seal Class B, Add	46.04	
For Seal Class A, Add	98.21	
For Work In Restricted Working Space, Add	92.07	
23 31 13 13-0932 LF 20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
For Seal Class B, Add	47.63	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0933 LF 20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.13	196.85
For Seal Class B, Add	49.21	
For Seal Class A, Add	104.99	
For Work In Restricted Working Space, Add	98.43	
23 31 13 13-0934 LF 20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
For Seal Class B, Add	50.80	
For Seal Class A, Add	108.37	
For Work In Restricted Working Space, Add	101.60	
23 31 13 13-0935 LF 20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.34	209.55
For Seal Class B, Add	52.39	
For Seal Class A, Add	111.76	
For Work In Restricted Working Space, Add	104.78	
23 31 13 13-0936 LF 20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
For Seal Class B, Add	53.98	
For Seal Class A, Add	115.15	
For Work In Restricted Working Space, Add	107.95	
23 31 13 13-0937 LF 22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.21	139.70
For Seal Class B, Add	34.92	
For Seal Class A, Add	74.51	
For Work In Restricted Working Space, Add	69.85	
23 31 13 13-0938 LF 22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.32	146.05
For Seal Class B, Add	36.51	
For Seal Class A, Add	77.89	
For Work In Restricted Working Space, Add	73.02	
23 31 13 13-0939 LF 22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.43	152.39
For Seal Class B, Add	38.10	
For Seal Class A, Add	81.28	
For Work In Restricted Working Space, Add	76.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0940 LF 22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.52	158.75
For Seal Class B, Add	39.69	
For Seal Class A, Add	84.67	
For Work In Restricted Working Space, Add	79.37	
23 31 13 13-0941 LF 22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.62	165.09
For Seal Class B, Add	41.28	
For Seal Class A, Add	88.05	
For Work In Restricted Working Space, Add	82.55	
23 31 13 13-0942 LF 22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.72	171.45
For Seal Class B, Add	42.86	
For Seal Class A, Add	91.44	
For Work In Restricted Working Space, Add	85.73	
23 31 13 13-0943 LF 22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.83	177.81
For Seal Class B, Add	44.45	
For Seal Class A, Add	94.83	
For Work In Restricted Working Space, Add	88.90	
23 31 13 13-0944 LF 22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.92	184.15
For Seal Class B, Add	46.04	
For Seal Class A, Add	98.21	
For Work In Restricted Working Space, Add	92.07	
23 31 13 13-0945 LF 22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
For Seal Class B, Add	47.63	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0946 LF 22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.13	196.85
For Seal Class B, Add	49.21	
For Seal Class A, Add	104.99	
For Work In Restricted Working Space, Add	98.43	
23 31 13 13-0947 LF 22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
For Seal Class B, Add	50.80	
For Seal Class A, Add	108.37	
For Work In Restricted Working Space, Add	101.60	
23 31 13 13-0948 LF 22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.34	209.55
For Seal Class B, Add	52.39	
For Seal Class A, Add	111.76	
For Work In Restricted Working Space, Add	104.78	
23 31 13 13-0949 LF 22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
For Seal Class B, Add	53.98	
For Seal Class A, Add	115.15	
For Work In Restricted Working Space, Add	107.95	
23 31 13 13-0950 LF 22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.54	222.25
For Seal Class B, Add	55.56	
For Seal Class A, Add	118.53	
For Work In Restricted Working Space, Add	111.13	
23 31 13 13-0951 LF 24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.43	152.39
For Seal Class B, Add	38.10	
For Seal Class A, Add	81.28	
For Work In Restricted Working Space, Add	76.20	
23 31 13 13-0952 LF 24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.52	158.75
For Seal Class B, Add	39.69	
For Seal Class A, Add	84.67	
For Work In Restricted Working Space, Add	79.37	
23 31 13 13-0953 LF 24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.62	165.09
For Seal Class B, Add	41.28	
For Seal Class A, Add	88.05	
For Work In Restricted Working Space, Add	82.55	
23 31 13 13-0954 LF 24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.72	171.45
For Seal Class B, Add	42.86	
For Seal Class A, Add	91.44	
For Work In Restricted Working Space, Add	85.73	
23 31 13 13-0955 LF 24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.83	177.81
For Seal Class B, Add	44.45	
For Seal Class A, Add	94.83	
For Work In Restricted Working Space, Add	88.90	
23 31 13 13-0956 LF 24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.92	184.15
For Seal Class B, Add	46.04	
For Seal Class A, Add	98.21	
For Work In Restricted Working Space, Add	92.07	
23 31 13 13-0957 LF 24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
For Seal Class B, Add	47.63	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0958 LF 24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.13	196.85
For Seal Class B, Add	49.21	
For Seal Class A, Add	104.99	
For Work In Restricted Working Space, Add	98.43	
23 31 13 13-0959 LF 24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
For Seal Class B, Add	50.80	
For Seal Class A, Add	108.37	
For Work In Restricted Working Space, Add	101.60	
23 31 13 13-0960 LF 24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.34	209.55
For Seal Class B, Add	52.39	
For Seal Class A, Add	111.76	
For Work In Restricted Working Space, Add	104.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0961 LF 24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
<i>For Seal Class B, Add</i>	53.98	
<i>For Seal Class A, Add</i>	115.15	
<i>For Work In Restricted Working Space, Add</i>	107.95	
23 31 13 13-0962 LF 24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.54	222.25
<i>For Seal Class B, Add</i>	55.56	
<i>For Seal Class A, Add</i>	118.53	
<i>For Work In Restricted Working Space, Add</i>	111.13	
23 31 13 13-0963 LF 24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.62	228.60
<i>For Seal Class B, Add</i>	57.15	
<i>For Seal Class A, Add</i>	121.92	
<i>For Work In Restricted Working Space, Add</i>	114.30	
23 31 13 13-0964 LF 26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.62	165.09
<i>For Seal Class B, Add</i>	41.28	
<i>For Seal Class A, Add</i>	88.05	
<i>For Work In Restricted Working Space, Add</i>	82.55	
23 31 13 13-0965 LF 26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.72	171.45
<i>For Seal Class B, Add</i>	42.86	
<i>For Seal Class A, Add</i>	91.44	
<i>For Work In Restricted Working Space, Add</i>	85.73	
23 31 13 13-0966 LF 26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.83	177.81
<i>For Seal Class B, Add</i>	44.45	
<i>For Seal Class A, Add</i>	94.83	
<i>For Work In Restricted Working Space, Add</i>	88.90	
23 31 13 13-0967 LF 26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.92	184.15
<i>For Seal Class B, Add</i>	46.04	
<i>For Seal Class A, Add</i>	98.21	
<i>For Work In Restricted Working Space, Add</i>	92.07	
23 31 13 13-0968 LF 26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
<i>For Seal Class B, Add</i>	47.63	
<i>For Seal Class A, Add</i>	101.60	
<i>For Work In Restricted Working Space, Add</i>	95.25	
23 31 13 13-0969 LF 26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.13	196.85
<i>For Seal Class B, Add</i>	49.21	
<i>For Seal Class A, Add</i>	104.99	
<i>For Work In Restricted Working Space, Add</i>	98.43	
23 31 13 13-0970 LF 26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
<i>For Seal Class B, Add</i>	50.80	
<i>For Seal Class A, Add</i>	108.37	
<i>For Work In Restricted Working Space, Add</i>	101.60	
23 31 13 13-0971 LF 26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.34	209.55
<i>For Seal Class B, Add</i>	52.39	
<i>For Seal Class A, Add</i>	111.76	
<i>For Work In Restricted Working Space, Add</i>	104.78	
23 31 13 13-0972 LF 26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
<i>For Seal Class B, Add</i>	53.98	
<i>For Seal Class A, Add</i>	115.15	
<i>For Work In Restricted Working Space, Add</i>	107.95	
23 31 13 13-0973 LF 26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.54	222.25
<i>For Seal Class B, Add</i>	55.56	
<i>For Seal Class A, Add</i>	118.53	
<i>For Work In Restricted Working Space, Add</i>	111.13	
23 31 13 13-0974 LF 26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.62	228.60
<i>For Seal Class B, Add</i>	57.15	
<i>For Seal Class A, Add</i>	121.92	
<i>For Work In Restricted Working Space, Add</i>	114.30	
23 31 13 13-0975 LF 26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.75	234.95
<i>For Seal Class B, Add</i>	58.74	
<i>For Seal Class A, Add</i>	125.31	
<i>For Work In Restricted Working Space, Add</i>	117.48	
23 31 13 13-0976 LF 28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.83	177.81
<i>For Seal Class B, Add</i>	44.45	
<i>For Seal Class A, Add</i>	94.83	
<i>For Work In Restricted Working Space, Add</i>	88.90	
23 31 13 13-0977 LF 28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.92	184.15
<i>For Seal Class B, Add</i>	46.04	
<i>For Seal Class A, Add</i>	98.21	
<i>For Work In Restricted Working Space, Add</i>	92.07	
23 31 13 13-0978 LF 28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
<i>For Seal Class B, Add</i>	47.63	
<i>For Seal Class A, Add</i>	101.60	
<i>For Work In Restricted Working Space, Add</i>	95.25	
23 31 13 13-0979 LF 28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.13	196.85
<i>For Seal Class B, Add</i>	49.21	
<i>For Seal Class A, Add</i>	104.99	
<i>For Work In Restricted Working Space, Add</i>	98.43	
23 31 13 13-0980 LF 28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
<i>For Seal Class B, Add</i>	50.80	
<i>For Seal Class A, Add</i>	108.37	
<i>For Work In Restricted Working Space, Add</i>	101.60	
23 31 13 13-0981 LF 28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.34	209.55
<i>For Seal Class B, Add</i>	52.39	
<i>For Seal Class A, Add</i>	111.76	
<i>For Work In Restricted Working Space, Add</i>	104.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0982 LF 28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
For Seal Class B, Add	53.98	
For Seal Class A, Add	115.15	
For Work In Restricted Working Space, Add	107.95	
23 31 13 13-0983 LF 28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.54	222.25
For Seal Class B, Add	55.56	
For Seal Class A, Add	118.53	
For Work In Restricted Working Space, Add	111.13	
23 31 13 13-0984 LF 28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.62	228.60
For Seal Class B, Add	57.15	
For Seal Class A, Add	121.92	
For Work In Restricted Working Space, Add	114.30	
23 31 13 13-0985 LF 28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.75	234.95
For Seal Class B, Add	58.74	
For Seal Class A, Add	125.31	
For Work In Restricted Working Space, Add	117.48	
23 31 13 13-0986 LF 28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.86	241.29
For Seal Class B, Add	60.33	
For Seal Class A, Add	128.70	
For Work In Restricted Working Space, Add	120.65	
23 31 13 13-0987 LF 30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.04	190.51
For Seal Class B, Add	47.63	
For Seal Class A, Add	101.60	
For Work In Restricted Working Space, Add	95.25	
23 31 13 13-0988 LF 30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.13	196.85
For Seal Class B, Add	49.21	
For Seal Class A, Add	104.99	
For Work In Restricted Working Space, Add	98.43	
23 31 13 13-0989 LF 30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
For Seal Class B, Add	50.80	
For Seal Class A, Add	108.37	
For Work In Restricted Working Space, Add	101.60	
23 31 13 13-0990 LF 30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.34	209.55
For Seal Class B, Add	52.39	
For Seal Class A, Add	111.76	
For Work In Restricted Working Space, Add	104.78	
23 31 13 13-0991 LF 30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
For Seal Class B, Add	53.98	
For Seal Class A, Add	115.15	
For Work In Restricted Working Space, Add	107.95	
23 31 13 13-0992 LF 30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.54	222.25
For Seal Class B, Add	55.56	
For Seal Class A, Add	118.53	
For Work In Restricted Working Space, Add	111.13	
23 31 13 13-0993 LF 30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.62	228.60
For Seal Class B, Add	57.15	
For Seal Class A, Add	121.92	
For Work In Restricted Working Space, Add	114.30	
23 31 13 13-0994 LF 30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.75	234.95
For Seal Class B, Add	58.74	
For Seal Class A, Add	125.31	
For Work In Restricted Working Space, Add	117.48	
23 31 13 13-0995 LF 30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.86	241.29
For Seal Class B, Add	60.33	
For Seal Class A, Add	128.70	
For Work In Restricted Working Space, Add	120.65	
23 31 13 13-0996 LF 30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.94	247.66
For Seal Class B, Add	61.91	
For Seal Class A, Add	132.08	
For Work In Restricted Working Space, Add	123.83	
23 31 13 13-0997 LF 32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.25	203.20
For Seal Class B, Add	50.80	
For Seal Class A, Add	108.37	
For Work In Restricted Working Space, Add	101.60	
23 31 13 13-0998 LF 32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.34	209.55
For Seal Class B, Add	52.39	
For Seal Class A, Add	111.76	
For Work In Restricted Working Space, Add	104.78	
23 31 13 13-0999 LF 32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
For Seal Class B, Add	53.98	
For Seal Class A, Add	115.15	
For Work In Restricted Working Space, Add	107.95	
23 31 13 13-1000 LF 32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.54	222.25
For Seal Class B, Add	55.56	
For Seal Class A, Add	118.53	
For Work In Restricted Working Space, Add	111.13	
23 31 13 13-1001 LF 32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.62	228.60
For Seal Class B, Add	57.15	
For Seal Class A, Add	121.92	
For Work In Restricted Working Space, Add	114.30	
23 31 13 13-1002 LF 32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.75	234.95
For Seal Class B, Add	58.74	
For Seal Class A, Add	125.31	
For Work In Restricted Working Space, Add	117.48	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
HVAC Ducts and Casings	23 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1003 LF 32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.86	241.29
<i>For Seal Class B, Add</i>	60.33	
<i>For Seal Class A, Add</i>	128.70	
<i>For Work In Restricted Working Space, Add</i>	120.65	
23 31 13 13-1004 LF 32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.94	247.66
<i>For Seal Class B, Add</i>	61.91	
<i>For Seal Class A, Add</i>	132.08	
<i>For Work In Restricted Working Space, Add</i>	123.83	
23 31 13 13-1005 LF 32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.03	254.00
<i>For Seal Class B, Add</i>	63.50	
<i>For Seal Class A, Add</i>	135.47	
<i>For Work In Restricted Working Space, Add</i>	127.00	
23 31 13 13-1006 LF 34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	411.44	215.90
<i>For Seal Class B, Add</i>	53.98	
<i>For Seal Class A, Add</i>	115.15	
<i>For Work In Restricted Working Space, Add</i>	107.95	
23 31 13 13-1007 LF 34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.54	222.25
<i>For Seal Class B, Add</i>	55.56	
<i>For Seal Class A, Add</i>	118.53	
<i>For Work In Restricted Working Space, Add</i>	111.13	
23 31 13 13-1008 LF 34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.62	228.60
<i>For Seal Class B, Add</i>	57.15	
<i>For Seal Class A, Add</i>	121.92	
<i>For Work In Restricted Working Space, Add</i>	114.30	
23 31 13 13-1009 LF 34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.75	234.95
<i>For Seal Class B, Add</i>	58.74	
<i>For Seal Class A, Add</i>	125.31	
<i>For Work In Restricted Working Space, Add</i>	117.48	
23 31 13 13-1010 LF 34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.86	241.29
<i>For Seal Class B, Add</i>	60.33	
<i>For Seal Class A, Add</i>	128.70	
<i>For Work In Restricted Working Space, Add</i>	120.65	
23 31 13 13-1011 LF 34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.94	247.66
<i>For Seal Class B, Add</i>	61.91	
<i>For Seal Class A, Add</i>	132.08	
<i>For Work In Restricted Working Space, Add</i>	123.83	
23 31 13 13-1012 LF 34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.03	254.00
<i>For Seal Class B, Add</i>	63.50	
<i>For Seal Class A, Add</i>	135.47	
<i>For Work In Restricted Working Space, Add</i>	127.00	
23 31 13 13-1013 LF 34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	496.13	260.35
<i>For Seal Class B, Add</i>	65.09	
<i>For Seal Class A, Add</i>	138.85	
<i>For Work In Restricted Working Space, Add</i>	130.17	
23 31 13 13-1014 LF 36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.62	228.60
<i>For Seal Class B, Add</i>	57.15	
<i>For Seal Class A, Add</i>	121.92	
<i>For Work In Restricted Working Space, Add</i>	114.30	
23 31 13 13-1015 LF 36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.75	234.95
<i>For Seal Class B, Add</i>	58.74	
<i>For Seal Class A, Add</i>	125.31	
<i>For Work In Restricted Working Space, Add</i>	117.48	
23 31 13 13-1016 LF 36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.86	241.29
<i>For Seal Class B, Add</i>	60.33	
<i>For Seal Class A, Add</i>	128.70	
<i>For Work In Restricted Working Space, Add</i>	120.65	
23 31 13 13-1017 LF 36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.94	247.66
<i>For Seal Class B, Add</i>	61.91	
<i>For Seal Class A, Add</i>	132.08	
<i>For Work In Restricted Working Space, Add</i>	123.83	
23 31 13 13-1018 LF 36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.03	254.00
<i>For Seal Class B, Add</i>	63.50	
<i>For Seal Class A, Add</i>	135.47	
<i>For Work In Restricted Working Space, Add</i>	127.00	
23 31 13 13-1019 LF 36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	496.13	260.35
<i>For Seal Class B, Add</i>	65.09	
<i>For Seal Class A, Add</i>	138.85	
<i>For Work In Restricted Working Space, Add</i>	130.17	
23 31 13 13-1020 LF 36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	508.25	266.71
<i>For Seal Class B, Add</i>	66.68	
<i>For Seal Class A, Add</i>	142.24	
<i>For Work In Restricted Working Space, Add</i>	133.35	
23 31 13 13-1021 LF 38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.86	241.29
<i>For Seal Class B, Add</i>	60.33	
<i>For Seal Class A, Add</i>	128.70	
<i>For Work In Restricted Working Space, Add</i>	120.65	
23 31 13 13-1022 LF 38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.94	247.66
<i>For Seal Class B, Add</i>	61.91	
<i>For Seal Class A, Add</i>	132.08	
<i>For Work In Restricted Working Space, Add</i>	123.83	
23 31 13 13-1023 LF 38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.03	254.00
<i>For Seal Class B, Add</i>	63.50	
<i>For Seal Class A, Add</i>	135.47	
<i>For Work In Restricted Working Space, Add</i>	127.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1024 LF 38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	496.13	260.35
For Seal Class B, Add	65.09	
For Seal Class A, Add	138.85	
For Work In Restricted Working Space, Add	130.17	
23 31 13 13-1025 LF 38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	508.25	266.71
For Seal Class B, Add	66.68	
For Seal Class A, Add	142.24	
For Work In Restricted Working Space, Add	133.35	
23 31 13 13-1026 LF 38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.35	273.05
For Seal Class B, Add	68.26	
For Seal Class A, Add	145.63	
For Work In Restricted Working Space, Add	136.53	
23 31 13 13-1027 LF 38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	532.45	279.41
For Seal Class B, Add	69.85	
For Seal Class A, Add	149.01	
For Work In Restricted Working Space, Add	139.70	
23 31 13 13-1028 LF 40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.03	254.00
For Seal Class B, Add	63.50	
For Seal Class A, Add	135.47	
For Work In Restricted Working Space, Add	127.00	
23 31 13 13-1029 LF 40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	496.13	260.35
For Seal Class B, Add	65.09	
For Seal Class A, Add	138.85	
For Work In Restricted Working Space, Add	130.17	
23 31 13 13-1030 LF 40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	508.25	266.71
For Seal Class B, Add	66.68	
For Seal Class A, Add	142.24	
For Work In Restricted Working Space, Add	133.35	
23 31 13 13-1031 LF 40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.35	273.05
For Seal Class B, Add	68.26	
For Seal Class A, Add	145.63	
For Work In Restricted Working Space, Add	136.53	
23 31 13 13-1032 LF 40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	532.45	279.41
For Seal Class B, Add	69.85	
For Seal Class A, Add	149.01	
For Work In Restricted Working Space, Add	139.70	
23 31 13 13-1033 LF 40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	544.54	285.75
For Seal Class B, Add	71.44	
For Seal Class A, Add	152.40	
For Work In Restricted Working Space, Add	142.88	
23 31 13 13-1034 LF 40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.64	292.10
For Seal Class B, Add	73.03	
For Seal Class A, Add	155.79	
For Work In Restricted Working Space, Add	146.05	
23 31 13 13-1035 LF 40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	568.76	298.45
For Seal Class B, Add	74.61	
For Seal Class A, Add	159.17	
For Work In Restricted Working Space, Add	149.23	
23 31 13 13-1036 LF 40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	580.85	304.80
For Seal Class B, Add	76.20	
For Seal Class A, Add	162.56	
For Work In Restricted Working Space, Add	152.40	
23 31 13 13-1037 LF 42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	508.25	266.71
For Seal Class B, Add	66.68	
For Seal Class A, Add	142.24	
For Work In Restricted Working Space, Add	133.35	
23 31 13 13-1038 LF 42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.35	273.05
For Seal Class B, Add	68.26	
For Seal Class A, Add	145.63	
For Work In Restricted Working Space, Add	136.53	
23 31 13 13-1039 LF 42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	532.45	279.41
For Seal Class B, Add	69.85	
For Seal Class A, Add	149.01	
For Work In Restricted Working Space, Add	139.70	
23 31 13 13-1040 LF 42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	544.54	285.75
For Seal Class B, Add	71.44	
For Seal Class A, Add	152.40	
For Work In Restricted Working Space, Add	142.88	
23 31 13 13-1041 LF 42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.64	292.10
For Seal Class B, Add	73.03	
For Seal Class A, Add	155.79	
For Work In Restricted Working Space, Add	146.05	
23 31 13 13-1042 LF 42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	568.76	298.45
For Seal Class B, Add	74.61	
For Seal Class A, Add	159.17	
For Work In Restricted Working Space, Add	149.23	
23 31 13 13-1043 LF 42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	580.85	304.80
For Seal Class B, Add	76.20	
For Seal Class A, Add	162.56	
For Work In Restricted Working Space, Add	152.40	
23 31 13 13-1044 LF 42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.95	311.14
For Seal Class B, Add	77.79	
For Seal Class A, Add	165.95	
For Work In Restricted Working Space, Add	155.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1045 LF 44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	532.45	279.41
<i>For Seal Class B, Add</i>	69.85	
<i>For Seal Class A, Add</i>	149.01	
<i>For Work In Restricted Working Space, Add</i>	139.70	
23 31 13 13-1046 LF 44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	544.54	285.75
<i>For Seal Class B, Add</i>	71.44	
<i>For Seal Class A, Add</i>	152.40	
<i>For Work In Restricted Working Space, Add</i>	142.88	
23 31 13 13-1047 LF 44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.64	292.10
<i>For Seal Class B, Add</i>	73.03	
<i>For Seal Class A, Add</i>	155.79	
<i>For Work In Restricted Working Space, Add</i>	146.05	
23 31 13 13-1048 LF 44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	568.76	298.45
<i>For Seal Class B, Add</i>	74.61	
<i>For Seal Class A, Add</i>	159.17	
<i>For Work In Restricted Working Space, Add</i>	149.23	
23 31 13 13-1049 LF 44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	580.85	304.80
<i>For Seal Class B, Add</i>	76.20	
<i>For Seal Class A, Add</i>	162.56	
<i>For Work In Restricted Working Space, Add</i>	152.40	
23 31 13 13-1050 LF 44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.95	311.14
<i>For Seal Class B, Add</i>	77.79	
<i>For Seal Class A, Add</i>	165.95	
<i>For Work In Restricted Working Space, Add</i>	155.57	
23 31 13 13-1051 LF 44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	605.06	317.51
<i>For Seal Class B, Add</i>	79.38	
<i>For Seal Class A, Add</i>	169.34	
<i>For Work In Restricted Working Space, Add</i>	158.75	
23 31 13 13-1052 LF 46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.64	292.10
<i>For Seal Class B, Add</i>	73.03	
<i>For Seal Class A, Add</i>	155.79	
<i>For Work In Restricted Working Space, Add</i>	146.05	
23 31 13 13-1053 LF 46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	568.76	298.45
<i>For Seal Class B, Add</i>	74.61	
<i>For Seal Class A, Add</i>	159.17	
<i>For Work In Restricted Working Space, Add</i>	149.23	
23 31 13 13-1054 LF 46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	580.85	304.80
<i>For Seal Class B, Add</i>	76.20	
<i>For Seal Class A, Add</i>	162.56	
<i>For Work In Restricted Working Space, Add</i>	152.40	
23 31 13 13-1055 LF 46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.95	311.14
<i>For Seal Class B, Add</i>	77.79	
<i>For Seal Class A, Add</i>	165.95	
<i>For Work In Restricted Working Space, Add</i>	155.57	
23 31 13 13-1056 LF 46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	605.06	317.51
<i>For Seal Class B, Add</i>	79.38	
<i>For Seal Class A, Add</i>	169.34	
<i>For Work In Restricted Working Space, Add</i>	158.75	
23 31 13 13-1057 LF 46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	627.73	330.20
<i>For Seal Class B, Add</i>	82.55	
<i>For Seal Class A, Add</i>	176.11	
<i>For Work In Restricted Working Space, Add</i>	165.10	
23 31 13 13-1058 LF 46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	639.84	336.56
<i>For Seal Class B, Add</i>	84.14	
<i>For Seal Class A, Add</i>	179.49	
<i>For Work In Restricted Working Space, Add</i>	168.27	
23 31 13 13-1059 LF 48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	580.85	304.80
<i>For Seal Class B, Add</i>	76.20	
<i>For Seal Class A, Add</i>	162.56	
<i>For Work In Restricted Working Space, Add</i>	152.40	
23 31 13 13-1060 LF 48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.95	311.14
<i>For Seal Class B, Add</i>	77.79	
<i>For Seal Class A, Add</i>	165.95	
<i>For Work In Restricted Working Space, Add</i>	155.57	
23 31 13 13-1061 LF 48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	605.06	317.51
<i>For Seal Class B, Add</i>	79.38	
<i>For Seal Class A, Add</i>	169.34	
<i>For Work In Restricted Working Space, Add</i>	158.75	
23 31 13 13-1062 LF 48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	617.15	323.86
<i>For Seal Class B, Add</i>	80.96	
<i>For Seal Class A, Add</i>	172.72	
<i>For Work In Restricted Working Space, Add</i>	161.93	
23 31 13 13-1063 LF 48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.27	330.20
<i>For Seal Class B, Add</i>	82.55	
<i>For Seal Class A, Add</i>	176.11	
<i>For Work In Restricted Working Space, Add</i>	165.10	
23 31 13 13-1064 LF 48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.35	336.56
<i>For Seal Class B, Add</i>	84.14	
<i>For Seal Class A, Add</i>	179.49	
<i>For Work In Restricted Working Space, Add</i>	168.27	
23 31 13 13-1065 LF 48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.45	342.90
<i>For Seal Class B, Add</i>	85.73	
<i>For Seal Class A, Add</i>	182.88	
<i>For Work In Restricted Working Space, Add</i>	171.45	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1066 LF 50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	605.06	317.51
For Seal Class B, Add	79.38	
For Seal Class A, Add	169.34	
For Work In Restricted Working Space, Add	158.75	
23 31 13 13-1067 LF 50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	617.15	323.86
For Seal Class B, Add	80.96	
For Seal Class A, Add	172.72	
For Work In Restricted Working Space, Add	161.93	
23 31 13 13-1068 LF 50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.27	330.20
For Seal Class B, Add	82.55	
For Seal Class A, Add	176.11	
For Work In Restricted Working Space, Add	165.10	
23 31 13 13-1069 LF 50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.35	336.56
For Seal Class B, Add	84.14	
For Seal Class A, Add	179.49	
For Work In Restricted Working Space, Add	168.27	
23 31 13 13-1070 LF 50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.45	342.90
For Seal Class B, Add	85.73	
For Seal Class A, Add	182.88	
For Work In Restricted Working Space, Add	171.45	
23 31 13 13-1071 LF 50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	665.55	349.25
For Seal Class B, Add	87.31	
For Seal Class A, Add	186.27	
For Work In Restricted Working Space, Add	174.62	
23 31 13 13-1072 LF 52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.27	330.20
For Seal Class B, Add	82.55	
For Seal Class A, Add	176.11	
For Work In Restricted Working Space, Add	165.10	
23 31 13 13-1073 LF 52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.35	336.56
For Seal Class B, Add	84.14	
For Seal Class A, Add	179.49	
For Work In Restricted Working Space, Add	168.27	
23 31 13 13-1074 LF 52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.45	342.90
For Seal Class B, Add	85.73	
For Seal Class A, Add	182.88	
For Work In Restricted Working Space, Add	171.45	
23 31 13 13-1075 LF 52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	665.55	349.25
For Seal Class B, Add	87.31	
For Seal Class A, Add	186.27	
For Work In Restricted Working Space, Add	174.62	
23 31 13 13-1076 LF 52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.65	355.60
For Seal Class B, Add	88.90	
For Seal Class A, Add	189.65	
For Work In Restricted Working Space, Add	177.80	
23 31 13 13-1077 LF 54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.45	342.90
For Seal Class B, Add	85.73	
For Seal Class A, Add	182.88	
For Work In Restricted Working Space, Add	171.45	
23 31 13 13-1078 LF 54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	665.55	349.25
For Seal Class B, Add	87.31	
For Seal Class A, Add	186.27	
For Work In Restricted Working Space, Add	174.62	
23 31 13 13-1079 LF 54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.65	355.60
For Seal Class B, Add	88.90	
For Seal Class A, Add	189.65	
For Work In Restricted Working Space, Add	177.80	
23 31 13 13-1080 LF 54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	689.77	361.95
For Seal Class B, Add	90.49	
For Seal Class A, Add	193.04	
For Work In Restricted Working Space, Add	180.98	
23 31 13 13-1081 LF 54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	701.87	368.29
For Seal Class B, Add	92.08	
For Seal Class A, Add	196.43	
For Work In Restricted Working Space, Add	184.15	
23 31 13 13-1082 LF 54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	713.96	374.65
For Seal Class B, Add	93.66	
For Seal Class A, Add	199.81	
For Work In Restricted Working Space, Add	187.33	
23 31 13 13-1083 LF 56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.65	355.60
For Seal Class B, Add	88.90	
For Seal Class A, Add	189.65	
For Work In Restricted Working Space, Add	177.80	
23 31 13 13-1084 LF 56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	689.77	361.95
For Seal Class B, Add	90.49	
For Seal Class A, Add	193.04	
For Work In Restricted Working Space, Add	180.98	
23 31 13 13-1085 LF 56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	701.87	368.29
For Seal Class B, Add	92.08	
For Seal Class A, Add	196.43	
For Work In Restricted Working Space, Add	184.15	
23 31 13 13-1086 LF 56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	713.96	374.65
For Seal Class B, Add	93.66	
For Seal Class A, Add	199.81	
For Work In Restricted Working Space, Add	187.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1087 LF 56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	726.05	380.99
<i>For Seal Class B, Add</i>	95.25	
<i>For Seal Class A, Add</i>	203.20	
<i>For Work In Restricted Working Space, Add</i>	190.50	
23 31 13 13-1088 LF 58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	701.87	368.29
<i>For Seal Class B, Add</i>	92.08	
<i>For Seal Class A, Add</i>	196.43	
<i>For Work In Restricted Working Space, Add</i>	184.15	
23 31 13 13-1089 LF 58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	713.96	374.65
<i>For Seal Class B, Add</i>	93.66	
<i>For Seal Class A, Add</i>	199.81	
<i>For Work In Restricted Working Space, Add</i>	187.33	
23 31 13 13-1090 LF 58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	726.05	380.99
<i>For Seal Class B, Add</i>	95.25	
<i>For Seal Class A, Add</i>	203.20	
<i>For Work In Restricted Working Space, Add</i>	190.50	
23 31 13 13-1091 LF 58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.15	387.36
<i>For Seal Class B, Add</i>	96.84	
<i>For Seal Class A, Add</i>	206.59	
<i>For Work In Restricted Working Space, Add</i>	193.67	
23 31 13 13-1092 LF 58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.27	393.71
<i>For Seal Class B, Add</i>	98.43	
<i>For Seal Class A, Add</i>	209.97	
<i>For Work In Restricted Working Space, Add</i>	196.85	
23 31 13 13-1093 LF 60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	726.05	380.99
<i>For Seal Class B, Add</i>	95.25	
<i>For Seal Class A, Add</i>	203.20	
<i>For Work In Restricted Working Space, Add</i>	190.50	
23 31 13 13-1094 LF 60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.15	387.36
<i>For Seal Class B, Add</i>	96.84	
<i>For Seal Class A, Add</i>	206.59	
<i>For Work In Restricted Working Space, Add</i>	193.67	
23 31 13 13-1095 LF 60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.27	393.71
<i>For Seal Class B, Add</i>	98.43	
<i>For Seal Class A, Add</i>	209.97	
<i>For Work In Restricted Working Space, Add</i>	196.85	
23 31 13 13-1096 LF 60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.38	400.05
<i>For Seal Class B, Add</i>	100.01	
<i>For Seal Class A, Add</i>	213.36	
<i>For Work In Restricted Working Space, Add</i>	200.03	
23 31 13 13-1097 LF 60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	774.47	406.41
<i>For Seal Class B, Add</i>	101.60	
<i>For Seal Class A, Add</i>	216.75	
<i>For Work In Restricted Working Space, Add</i>	203.20	
23 31 13 13-1098 LF 62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.27	393.71
<i>For Seal Class B, Add</i>	98.43	
<i>For Seal Class A, Add</i>	209.97	
<i>For Work In Restricted Working Space, Add</i>	196.85	
23 31 13 13-1099 LF 62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.38	400.05
<i>For Seal Class B, Add</i>	100.01	
<i>For Seal Class A, Add</i>	213.36	
<i>For Work In Restricted Working Space, Add</i>	200.03	
23 31 13 13-1100 LF 62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	774.47	406.41
<i>For Seal Class B, Add</i>	101.60	
<i>For Seal Class A, Add</i>	216.75	
<i>For Work In Restricted Working Space, Add</i>	203.20	
23 31 13 13-1101 LF 62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	786.57	412.75
<i>For Seal Class B, Add</i>	103.19	
<i>For Seal Class A, Add</i>	220.14	
<i>For Work In Restricted Working Space, Add</i>	206.38	
23 31 13 13-1102 LF 62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	798.67	419.10
<i>For Seal Class B, Add</i>	104.78	
<i>For Seal Class A, Add</i>	223.52	
<i>For Work In Restricted Working Space, Add</i>	209.55	
23 31 13 13-1103 LF 64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	774.47	406.41
<i>For Seal Class B, Add</i>	101.60	
<i>For Seal Class A, Add</i>	216.75	
<i>For Work In Restricted Working Space, Add</i>	203.20	
23 31 13 13-1104 LF 64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	786.57	412.75
<i>For Seal Class B, Add</i>	103.19	
<i>For Seal Class A, Add</i>	220.14	
<i>For Work In Restricted Working Space, Add</i>	206.38	
23 31 13 13-1105 LF 64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	798.67	419.10
<i>For Seal Class B, Add</i>	104.78	
<i>For Seal Class A, Add</i>	223.52	
<i>For Work In Restricted Working Space, Add</i>	209.55	
23 31 13 13-1106 LF 64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	810.77	425.45
<i>For Seal Class B, Add</i>	106.36	
<i>For Seal Class A, Add</i>	226.91	
<i>For Work In Restricted Working Space, Add</i>	212.72	
23 31 13 13-1107 LF 66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	798.67	419.10
<i>For Seal Class B, Add</i>	104.78	
<i>For Seal Class A, Add</i>	223.52	
<i>For Work In Restricted Working Space, Add</i>	209.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1108 LF 66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	810.77	425.45
For Seal Class B, Add	106.36	
For Seal Class A, Add	226.91	
For Work In Restricted Working Space, Add	212.72	
23 31 13 13-1109 LF 66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	822.86	431.80
For Seal Class B, Add	107.95	
For Seal Class A, Add	230.29	
For Work In Restricted Working Space, Add	215.90	
23 31 13 13-1110 LF 66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	834.97	438.15
For Seal Class B, Add	109.54	
For Seal Class A, Add	233.68	
For Work In Restricted Working Space, Add	219.08	
23 31 13 13-1111 LF 68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	822.86	431.80
For Seal Class B, Add	107.95	
For Seal Class A, Add	230.29	
For Work In Restricted Working Space, Add	215.90	
23 31 13 13-1112 LF 68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	834.97	438.15
For Seal Class B, Add	109.54	
For Seal Class A, Add	233.68	
For Work In Restricted Working Space, Add	219.08	
23 31 13 13-1113 LF 68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	847.07	444.50
For Seal Class B, Add	111.13	
For Seal Class A, Add	237.07	
For Work In Restricted Working Space, Add	222.25	
23 31 13 13-1114 LF 68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	859.16	450.85
For Seal Class B, Add	112.71	
For Seal Class A, Add	240.45	
For Work In Restricted Working Space, Add	225.43	
23 31 13 13-1115 LF 70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	847.07	444.50
For Seal Class B, Add	111.13	
For Seal Class A, Add	237.07	
For Work In Restricted Working Space, Add	222.25	
23 31 13 13-1116 LF 70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	859.16	450.85
For Seal Class B, Add	112.71	
For Seal Class A, Add	240.45	
For Work In Restricted Working Space, Add	225.43	
23 31 13 13-1117 LF 70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	871.28	457.20
For Seal Class B, Add	114.30	
For Seal Class A, Add	243.84	
For Work In Restricted Working Space, Add	228.60	
23 31 13 13-1118 LF 70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	883.38	463.56
For Seal Class B, Add	115.89	
For Seal Class A, Add	247.23	
For Work In Restricted Working Space, Add	231.78	
23 31 13 13-1119 LF 70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	895.48	469.90
For Seal Class B, Add	117.48	
For Seal Class A, Add	250.61	
For Work In Restricted Working Space, Add	234.95	
23 31 13 13-1120 LF 70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	907.57	476.25
For Seal Class B, Add	119.06	
For Seal Class A, Add	254.00	
For Work In Restricted Working Space, Add	238.13	
23 31 13 13-1121 LF 70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	919.67	482.61
For Seal Class B, Add	120.65	
For Seal Class A, Add	257.39	
For Work In Restricted Working Space, Add	241.30	
23 31 13 13-1122 LF 70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	931.80	488.95
For Seal Class B, Add	122.24	
For Seal Class A, Add	260.78	
For Work In Restricted Working Space, Add	244.48	
23 31 13 13-1123 LF 70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	943.89	495.30
For Seal Class B, Add	123.83	
For Seal Class A, Add	264.16	
For Work In Restricted Working Space, Add	247.65	
23 31 13 13-1124 LF 72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	871.28	457.20
For Seal Class B, Add	114.30	
For Seal Class A, Add	243.84	
For Work In Restricted Working Space, Add	228.60	
23 31 13 13-1125 LF 72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	883.38	463.56
For Seal Class B, Add	115.89	
For Seal Class A, Add	247.23	
For Work In Restricted Working Space, Add	231.78	
23 31 13 13-1126 LF 72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	895.48	469.90
For Seal Class B, Add	117.48	
For Seal Class A, Add	250.61	
For Work In Restricted Working Space, Add	234.95	
23 31 13 13-1127 LF 72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	907.57	476.25
For Seal Class B, Add	119.06	
For Seal Class A, Add	254.00	
For Work In Restricted Working Space, Add	238.13	
23 31 13 13-1128 LF 72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	919.67	482.61
For Seal Class B, Add	120.65	
For Seal Class A, Add	257.39	
For Work In Restricted Working Space, Add	241.30	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
HVAC Ducts and Casings	23 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1129 LF 72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	931.80	488.95
<i>For Seal Class B, Add</i>	122.24	
<i>For Seal Class A, Add</i>	260.78	
<i>For Work In Restricted Working Space, Add</i>	244.48	
23 31 13 13-1130 LF 72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	943.89	495.30
<i>For Seal Class B, Add</i>	123.83	
<i>For Seal Class A, Add</i>	264.16	
<i>For Work In Restricted Working Space, Add</i>	247.65	
23 31 13 13-1131 LF 72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	955.98	501.65
<i>For Seal Class B, Add</i>	125.41	
<i>For Seal Class A, Add</i>	267.55	
<i>For Work In Restricted Working Space, Add</i>	250.83	
23 31 13 13-1132 LF 74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	895.48	469.90
<i>For Seal Class B, Add</i>	117.48	
<i>For Seal Class A, Add</i>	250.61	
<i>For Work In Restricted Working Space, Add</i>	234.95	
23 31 13 13-1133 LF 74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	907.57	476.25
<i>For Seal Class B, Add</i>	119.06	
<i>For Seal Class A, Add</i>	254.00	
<i>For Work In Restricted Working Space, Add</i>	238.13	
23 31 13 13-1134 LF 74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	919.67	482.61
<i>For Seal Class B, Add</i>	120.65	
<i>For Seal Class A, Add</i>	257.39	
<i>For Work In Restricted Working Space, Add</i>	241.30	
23 31 13 13-1135 LF 74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	931.80	488.95
<i>For Seal Class B, Add</i>	122.24	
<i>For Seal Class A, Add</i>	260.78	
<i>For Work In Restricted Working Space, Add</i>	244.48	
23 31 13 13-1136 LF 74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	943.89	495.30
<i>For Seal Class B, Add</i>	123.83	
<i>For Seal Class A, Add</i>	264.16	
<i>For Work In Restricted Working Space, Add</i>	247.65	
23 31 13 13-1137 LF 74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	955.98	501.65
<i>For Seal Class B, Add</i>	125.41	
<i>For Seal Class A, Add</i>	267.55	
<i>For Work In Restricted Working Space, Add</i>	250.83	
23 31 13 13-1138 LF 74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	968.08	508.00
<i>For Seal Class B, Add</i>	127.00	
<i>For Seal Class A, Add</i>	270.93	
<i>For Work In Restricted Working Space, Add</i>	254.00	
23 31 13 13-1139 LF 76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	919.67	482.61
<i>For Seal Class B, Add</i>	120.65	
<i>For Seal Class A, Add</i>	257.39	
<i>For Work In Restricted Working Space, Add</i>	241.30	
23 31 13 13-1140 LF 76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	931.80	488.95
<i>For Seal Class B, Add</i>	122.24	
<i>For Seal Class A, Add</i>	260.78	
<i>For Work In Restricted Working Space, Add</i>	244.48	
23 31 13 13-1141 LF 76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	943.89	495.30
<i>For Seal Class B, Add</i>	123.83	
<i>For Seal Class A, Add</i>	264.16	
<i>For Work In Restricted Working Space, Add</i>	247.65	
23 31 13 13-1142 LF 76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	955.98	501.65
<i>For Seal Class B, Add</i>	125.41	
<i>For Seal Class A, Add</i>	267.55	
<i>For Work In Restricted Working Space, Add</i>	250.83	
23 31 13 13-1143 LF 76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	968.08	508.00
<i>For Seal Class B, Add</i>	127.00	
<i>For Seal Class A, Add</i>	270.93	
<i>For Work In Restricted Working Space, Add</i>	254.00	
23 31 13 13-1144 LF 76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	980.18	514.35
<i>For Seal Class B, Add</i>	128.59	
<i>For Seal Class A, Add</i>	274.32	
<i>For Work In Restricted Working Space, Add</i>	257.18	
23 31 13 13-1145 LF 78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	943.89	495.30
<i>For Seal Class B, Add</i>	123.83	
<i>For Seal Class A, Add</i>	264.16	
<i>For Work In Restricted Working Space, Add</i>	247.65	
23 31 13 13-1146 LF 78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	955.98	501.65
<i>For Seal Class B, Add</i>	125.41	
<i>For Seal Class A, Add</i>	267.55	
<i>For Work In Restricted Working Space, Add</i>	250.83	
23 31 13 13-1147 LF 78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	968.08	508.00
<i>For Seal Class B, Add</i>	127.00	
<i>For Seal Class A, Add</i>	270.93	
<i>For Work In Restricted Working Space, Add</i>	254.00	
23 31 13 13-1148 LF 78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	980.18	514.35
<i>For Seal Class B, Add</i>	128.59	
<i>For Seal Class A, Add</i>	274.32	
<i>For Work In Restricted Working Space, Add</i>	257.18	
23 31 13 13-1149 LF 78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	992.28	520.70
<i>For Seal Class B, Add</i>	130.17	
<i>For Seal Class A, Add</i>	277.71	
<i>For Work In Restricted Working Space, Add</i>	260.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1150 LF 80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	968.08	508.00
For Seal Class B, Add	127.00	
For Seal Class A, Add	270.93	
For Work In Restricted Working Space, Add	254.00	
23 31 13 13-1151 LF 80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	980.18	514.35
For Seal Class B, Add	128.59	
For Seal Class A, Add	274.32	
For Work In Restricted Working Space, Add	257.18	
23 31 13 13-1152 LF 80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	992.28	520.70
For Seal Class B, Add	130.17	
For Seal Class A, Add	277.71	
For Work In Restricted Working Space, Add	260.35	
23 31 13 13-1153 LF 80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,014.97	533.41
For Seal Class B, Add	133.35	
For Seal Class A, Add	284.48	
For Work In Restricted Working Space, Add	266.70	
23 31 13 13-1154 LF 82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	992.28	520.70
For Seal Class B, Add	130.17	
For Seal Class A, Add	277.71	
For Work In Restricted Working Space, Add	260.35	
23 31 13 13-1155 LF 82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,004.40	527.06
For Seal Class B, Add	131.76	
For Seal Class A, Add	281.10	
For Work In Restricted Working Space, Add	263.53	
23 31 13 13-1156 LF 82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,016.48	533.41
For Seal Class B, Add	133.35	
For Seal Class A, Add	284.48	
For Work In Restricted Working Space, Add	266.70	
23 31 13 13-1157 LF 84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,016.48	533.41
For Seal Class B, Add	133.35	
For Seal Class A, Add	284.48	
For Work In Restricted Working Space, Add	266.70	
23 31 13 13-1158 LF 84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,028.58	539.76
For Seal Class B, Add	134.94	
For Seal Class A, Add	287.87	
For Work In Restricted Working Space, Add	269.88	
23 31 13 13-1159 LF 86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,040.68	546.10
For Seal Class B, Add	136.53	
For Seal Class A, Add	291.25	
For Work In Restricted Working Space, Add	273.05	

23 31 13 16 Round and Flat-Oval Spiral Ducts (23 31 13)

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct (23 31 13 16)
 Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001)

Note: Includes straps and supports.

23 31 13 16-0003 LF 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.03	3.38
For Seal Class B, Add	1.04	
For Seal Class A, Add	2.76	
For Up To 20', Add	0.64	
For >20' To 50', Add	0.25	
For >200' To 500', Deduct	-0.16	
For >500', Deduct	-0.27	
For 28 Gauge, Deduct	-0.29	
For 24 Gauge, Add	0.29	
For 22 Gauge, Add	0.58	
For 20 Gauge, Add	0.88	
For 18 Gauge, Add	1.17	
For 16 Gauge, Add	1.43	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.57	
For Work In Restricted Working Space, Add	2.07	
For Elevated Installation >10' To 15', Add	0.69	
For Elevated Installation >15' To 20', Add	1.38	
For Elevated Installation >20' To 25', Add	1.73	
For Elevated Installation >25' To 30', Add	2.42	
For Elevated Installation >30' To 35', Add	2.76	
For Elevated Installation >35' To 40', Add	3.46	
For Elevated Installation >40', Add	3.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0004 LF 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	10.35	3.83
For Seal Class B, Add	1.15	
For Seal Class A, Add	3.07	
For Up To 20', Add	0.80	
For >20' To 50', Add	0.32	
For >200' To 500', Deduct	-0.20	
For >500', Deduct	-0.34	
For 28 Gauge, Deduct	-0.37	
For 24 Gauge, Add	0.37	
For 22 Gauge, Add	0.74	
For 20 Gauge, Add	1.11	
For 18 Gauge, Add	1.47	
For 16 Gauge, Add	1.81	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.98	
For Work In Restricted Working Space, Add	2.30	
For Elevated Installation >10' To 15', Add	0.77	
For Elevated Installation >15' To 20', Add	1.53	
For Elevated Installation >20' To 25', Add	1.92	
For Elevated Installation >25' To 30', Add	2.68	
For Elevated Installation >30' To 35', Add	3.07	
For Elevated Installation >35' To 40', Add	3.84	
For Elevated Installation >40', Add	4.22	
23 31 13 16-0005 LF 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	11.72	4.60
For Seal Class B, Add	1.29	
For Seal Class A, Add	3.45	
For Up To 20', Add	0.93	
For >20' To 50', Add	0.37	
For >200' To 500', Deduct	-0.23	
For >500', Deduct	-0.39	
For 28 Gauge, Deduct	-0.43	
For 24 Gauge, Add	0.43	
For 22 Gauge, Add	0.85	
For 20 Gauge, Add	1.28	
For 18 Gauge, Add	1.70	
For 16 Gauge, Add	2.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.29	
For Work In Restricted Working Space, Add	2.59	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.73	
For Elevated Installation >20' To 25', Add	2.16	
For Elevated Installation >25' To 30', Add	3.02	
For Elevated Installation >30' To 35', Add	3.45	
For Elevated Installation >35' To 40', Add	4.32	
For Elevated Installation >40', Add	4.75	
23 31 13 16-0006 LF 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	13.20	5.37
For Seal Class B, Add	1.48	
For Seal Class A, Add	3.94	
For Up To 20', Add	1.00	
For >20' To 50', Add	0.40	
For >200' To 500', Deduct	-0.25	
For >500', Deduct	-0.42	
For 28 Gauge, Deduct	-0.46	
For 24 Gauge, Add	0.46	
For 22 Gauge, Add	0.92	
For 20 Gauge, Add	1.38	
For 18 Gauge, Add	1.84	
For 16 Gauge, Add	2.25	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.47	
For Work In Restricted Working Space, Add	2.96	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.47	
For Elevated Installation >25' To 30', Add	3.45	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.93	
For Elevated Installation >40', Add	5.42	
23 31 13 16-0007 LF 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	15.08	6.13
For Seal Class B, Add	1.73	
For Seal Class A, Add	4.60	
For Up To 20', Add	1.07	
For >20' To 50', Add	0.43	
For >200' To 500', Deduct	-0.27	
For >500', Deduct	-0.45	
For 28 Gauge, Deduct	-0.50	
For 24 Gauge, Add	0.49	
For 22 Gauge, Add	0.99	
For 20 Gauge, Add	1.48	
For 18 Gauge, Add	1.97	
For 16 Gauge, Add	2.42	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.65	
For Work In Restricted Working Space, Add	3.45	
For Elevated Installation >10' To 15', Add	1.15	
For Elevated Installation >15' To 20', Add	2.30	
For Elevated Installation >20' To 25', Add	2.88	
For Elevated Installation >25' To 30', Add	4.03	
For Elevated Installation >30' To 35', Add	4.60	
For Elevated Installation >35' To 40', Add	5.75	
For Elevated Installation >40', Add	6.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0008	LF		10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	19.01	7.67
			<i>For Seal Class B, Add</i>	2.07	
			<i>For Seal Class A, Add</i>	5.52	
			<i>For Up To 20', Add</i>	1.56	
			<i>For >20' To 50', Add</i>	0.63	
			<i>For >200' To 500', Deduct</i>	-0.39	
			<i>For >500', Deduct</i>	-0.65	
			<i>For 28 Gauge, Deduct</i>	-0.72	
			<i>For 24 Gauge, Add</i>	0.72	
			<i>For 22 Gauge, Add</i>	1.44	
			<i>For 20 Gauge, Add</i>	2.16	
			<i>For 18 Gauge, Add</i>	2.87	
			<i>For 16 Gauge, Add</i>	3.52	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.86	
			<i>For Work In Restricted Working Space, Add</i>	4.14	
			<i>For Elevated Installation >10' To 15', Add</i>	1.38	
			<i>For Elevated Installation >15' To 20', Add</i>	2.76	
			<i>For Elevated Installation >20' To 25', Add</i>	3.45	
			<i>For Elevated Installation >25' To 30', Add</i>	4.83	
			<i>For Elevated Installation >30' To 35', Add</i>	5.52	
			<i>For Elevated Installation >35' To 40', Add</i>	6.90	
			<i>For Elevated Installation >40', Add</i>	7.59	
23 31 13 16-0009	LF		12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	23.34	10.28
			<i>For Seal Class B, Add</i>	2.59	
			<i>For Seal Class A, Add</i>	6.90	
			<i>For Up To 20', Add</i>	1.83	
			<i>For >20' To 50', Add</i>	0.73	
			<i>For >200' To 500', Deduct</i>	-0.46	
			<i>For >500', Deduct</i>	-0.76	
			<i>For 28 Gauge, Deduct</i>	-0.84	
			<i>For 24 Gauge, Add</i>	0.84	
			<i>For 22 Gauge, Add</i>	1.68	
			<i>For 20 Gauge, Add</i>	2.52	
			<i>For 18 Gauge, Add</i>	3.35	
			<i>For 16 Gauge, Add</i>	4.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
			<i>For Elevated Installation >10' To 15', Add</i>	1.73	
			<i>For Elevated Installation >15' To 20', Add</i>	3.45	
			<i>For Elevated Installation >20' To 25', Add</i>	4.31	
			<i>For Elevated Installation >25' To 30', Add</i>	6.04	
			<i>For Elevated Installation >30' To 35', Add</i>	6.90	
			<i>For Elevated Installation >35' To 40', Add</i>	8.63	
			<i>For Elevated Installation >40', Add</i>	9.49	
23 31 13 16-0010	LF		14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	28.50	15.34
			<i>For Seal Class B, Add</i>	3.24	
			<i>For Seal Class A, Add</i>	8.63	
			<i>For Up To 20', Add</i>	2.08	
			<i>For >20' To 50', Add</i>	0.83	
			<i>For >200' To 500', Deduct</i>	-0.52	
			<i>For >500', Deduct</i>	-0.87	
			<i>For 28 Gauge, Deduct</i>	-0.96	
			<i>For 24 Gauge, Add</i>	0.95	
			<i>For 22 Gauge, Add</i>	1.91	
			<i>For 20 Gauge, Add</i>	2.86	
			<i>For 18 Gauge, Add</i>	3.81	
			<i>For 16 Gauge, Add</i>	4.67	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	6.47	
			<i>For Elevated Installation >10' To 15', Add</i>	2.16	
			<i>For Elevated Installation >15' To 20', Add</i>	4.32	
			<i>For Elevated Installation >20' To 25', Add</i>	5.40	
			<i>For Elevated Installation >25' To 30', Add</i>	7.55	
			<i>For Elevated Installation >30' To 35', Add</i>	8.63	
			<i>For Elevated Installation >35' To 40', Add</i>	10.79	
			<i>For Elevated Installation >40', Add</i>	11.87	
23 31 13 16-0011	LF		16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	38.28	20.55
			<i>For Seal Class B, Add</i>	4.32	
			<i>For Seal Class A, Add</i>	11.51	
			<i>For Up To 20', Add</i>	2.85	
			<i>For >20' To 50', Add</i>	1.14	
			<i>For >200' To 500', Deduct</i>	-0.71	
			<i>For >500', Deduct</i>	-1.19	
			<i>For 28 Gauge, Deduct</i>	-1.32	
			<i>For 24 Gauge, Add</i>	1.31	
			<i>For 22 Gauge, Add</i>	2.62	
			<i>For 20 Gauge, Add</i>	3.94	
			<i>For 18 Gauge, Add</i>	5.23	
			<i>For 16 Gauge, Add</i>	6.42	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	8.63	
			<i>For Elevated Installation >10' To 15', Add</i>	2.88	
			<i>For Elevated Installation >15' To 20', Add</i>	5.75	
			<i>For Elevated Installation >20' To 25', Add</i>	7.19	
			<i>For Elevated Installation >25' To 30', Add</i>	10.07	
			<i>For Elevated Installation >30' To 35', Add</i>	11.51	
			<i>For Elevated Installation >35' To 40', Add</i>	14.39	
			<i>For Elevated Installation >40', Add</i>	15.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0012 LF 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	52.89	24.69
For Up To 20', Add	5.51	
For >20' To 50', Add	2.20	
For >200' To 500', Deduct	-1.38	
For >500', Deduct	-2.30	
For 28 Gauge, Deduct	-2.54	
For 24 Gauge, Add	2.54	
For 22 Gauge, Add	5.06	
For 20 Gauge, Add	7.61	
For 18 Gauge, Add	10.10	
For 16 Gauge, Add	12.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.59	
For Work In Restricted Working Space, Add	10.36	
For Elevated Installation >10' To 15', Add	3.45	
For Elevated Installation >15' To 20', Add	6.90	
For Elevated Installation >20' To 25', Add	8.63	
For Elevated Installation >25' To 30', Add	12.08	
For Elevated Installation >30' To 35', Add	13.81	
For Elevated Installation >35' To 40', Add	17.26	
For Elevated Installation >40', Add	18.99	
23 31 13 16-0013 LF 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	60.40	28.53
For Up To 20', Add	6.15	
For >20' To 50', Add	2.46	
For >200' To 500', Deduct	-1.54	
For >500', Deduct	-2.56	
For 28 Gauge, Deduct	-2.84	
For 24 Gauge, Add	2.83	
For 22 Gauge, Add	5.65	
For 20 Gauge, Add	8.49	
For 18 Gauge, Add	11.28	
For 16 Gauge, Add	13.84	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.18	
For Work In Restricted Working Space, Add	11.97	
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.96	
For Elevated Installation >35' To 40', Add	19.95	
For Elevated Installation >40', Add	21.94	
23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows (23 31 13 16-0001)		
Note: Up to 90 degree.		
23 31 13 16-0015 EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	47.01	20.48
For Seal Class B, Add	6.14	
For Seal Class A, Add	16.38	
For 28 Gauge, Deduct	-0.84	
For 24 Gauge, Add	0.83	
For 22 Gauge, Add	1.67	
For 20 Gauge, Add	2.50	
For 18 Gauge, Add	3.33	
For 16 Gauge, Add	4.08	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.48	
For Work In Restricted Working Space, Add	12.29	
For Elevated Installation >10' To 15', Add	4.10	
For Elevated Installation >15' To 20', Add	8.19	
For Elevated Installation >20' To 25', Add	10.24	
For Elevated Installation >25' To 30', Add	14.34	
For Elevated Installation >30' To 35', Add	16.38	
For Elevated Installation >35' To 40', Add	20.48	
For Elevated Installation >40', Add	22.53	
23 31 13 16-0016 EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	53.84	23.63
For Seal Class B, Add	7.09	
For Seal Class A, Add	18.90	
For 28 Gauge, Deduct	-0.91	
For 24 Gauge, Add	0.91	
For 22 Gauge, Add	1.82	
For 20 Gauge, Add	2.73	
For 18 Gauge, Add	3.62	
For 16 Gauge, Add	4.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
For Work In Restricted Working Space, Add	14.18	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.45	
For Elevated Installation >20' To 25', Add	11.81	
For Elevated Installation >25' To 30', Add	16.54	
For Elevated Installation >30' To 35', Add	18.90	
For Elevated Installation >35' To 40', Add	23.63	
For Elevated Installation >40', Add	25.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0017	EA		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	63.25	27.92
			<i>For Seal Class B, Add</i>	8.38	
			<i>For Seal Class A, Add</i>	22.34	
			<i>For 28 Gauge, Deduct</i>	-1.03	
			<i>For 24 Gauge, Add</i>	1.02	
			<i>For 22 Gauge, Add</i>	2.04	
			<i>For 20 Gauge, Add</i>	3.07	
			<i>For 18 Gauge, Add</i>	4.08	
			<i>For 16 Gauge, Add</i>	5.00	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	16.75	
			<i>For Elevated Installation >10' To 15', Add</i>	5.58	
			<i>For Elevated Installation >15' To 20', Add</i>	11.17	
			<i>For Elevated Installation >20' To 25', Add</i>	13.96	
			<i>For Elevated Installation >25' To 30', Add</i>	19.54	
			<i>For Elevated Installation >30' To 35', Add</i>	22.34	
			<i>For Elevated Installation >35' To 40', Add</i>	27.92	
			<i>For Elevated Installation >40', Add</i>	30.71	
23 31 13 16-0018	EA		7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	80.90	35.89
			<i>For Seal Class B, Add</i>	10.77	
			<i>For Seal Class A, Add</i>	28.72	
			<i>For 28 Gauge, Deduct</i>	-1.26	
			<i>For 24 Gauge, Add</i>	1.26	
			<i>For 22 Gauge, Add</i>	2.51	
			<i>For 20 Gauge, Add</i>	3.77	
			<i>For 18 Gauge, Add</i>	5.01	
			<i>For 16 Gauge, Add</i>	6.15	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.74	
			<i>For Work In Restricted Working Space, Add</i>	21.54	
			<i>For Elevated Installation >10' To 15', Add</i>	7.18	
			<i>For Elevated Installation >15' To 20', Add</i>	14.36	
			<i>For Elevated Installation >20' To 25', Add</i>	17.95	
			<i>For Elevated Installation >25' To 30', Add</i>	25.13	
			<i>For Elevated Installation >30' To 35', Add</i>	28.72	
			<i>For Elevated Installation >35' To 40', Add</i>	35.90	
			<i>For Elevated Installation >40', Add</i>	39.48	
23 31 13 16-0019	EA		8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	97.28	43.72
			<i>For Seal Class B, Add</i>	13.12	
			<i>For Seal Class A, Add</i>	34.98	
			<i>For 28 Gauge, Deduct</i>	-1.36	
			<i>For 24 Gauge, Add</i>	1.36	
			<i>For 22 Gauge, Add</i>	2.71	
			<i>For 20 Gauge, Add</i>	4.07	
			<i>For 18 Gauge, Add</i>	5.41	
			<i>For 16 Gauge, Add</i>	6.64	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	26.23	
			<i>For Elevated Installation >10' To 15', Add</i>	8.74	
			<i>For Elevated Installation >15' To 20', Add</i>	17.49	
			<i>For Elevated Installation >20' To 25', Add</i>	21.86	
			<i>For Elevated Installation >25' To 30', Add</i>	30.60	
			<i>For Elevated Installation >30' To 35', Add</i>	34.98	
			<i>For Elevated Installation >35' To 40', Add</i>	43.72	
			<i>For Elevated Installation >40', Add</i>	48.09	
23 31 13 16-0020	EA		10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	149.51	68.26
			<i>For Seal Class B, Add</i>	20.48	
			<i>For Seal Class A, Add</i>	54.61	
			<i>For 28 Gauge, Deduct</i>	-1.80	
			<i>For 24 Gauge, Add</i>	1.79	
			<i>For 22 Gauge, Add</i>	3.58	
			<i>For 20 Gauge, Add</i>	5.37	
			<i>For 18 Gauge, Add</i>	7.14	
			<i>For 16 Gauge, Add</i>	8.76	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.61	
			<i>For Work In Restricted Working Space, Add</i>	40.96	
			<i>For Elevated Installation >10' To 15', Add</i>	13.65	
			<i>For Elevated Installation >15' To 20', Add</i>	27.31	
			<i>For Elevated Installation >20' To 25', Add</i>	34.13	
			<i>For Elevated Installation >25' To 30', Add</i>	47.79	
			<i>For Elevated Installation >30' To 35', Add</i>	54.61	
			<i>For Elevated Installation >35' To 40', Add</i>	68.27	
			<i>For Elevated Installation >40', Add</i>	75.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0021 EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	206.27	94.34
For Seal Class B, Add	28.30	
For Seal Class A, Add	75.47	
For 28 Gauge, Deduct	-2.44	
For 24 Gauge, Add	2.43	
For 22 Gauge, Add	4.85	
For 20 Gauge, Add	7.28	
For 18 Gauge, Add	9.67	
For 16 Gauge, Add	11.87	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.02	
For Work In Restricted Working Space, Add	56.60	
For Elevated Installation >10' To 15', Add	18.87	
For Elevated Installation >15' To 20', Add	37.74	
For Elevated Installation >20' To 25', Add	47.17	
For Elevated Installation >25' To 30', Add	66.04	
For Elevated Installation >30' To 35', Add	75.47	
For Elevated Installation >35' To 40', Add	94.34	
For Elevated Installation >40', Add	103.77	
23 31 13 16-0022 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	250.16	111.60
For Seal Class B, Add	33.48	
For Seal Class A, Add	89.28	
For 28 Gauge, Deduct	-3.73	
For 24 Gauge, Add	3.72	
For 22 Gauge, Add	7.43	
For 20 Gauge, Add	11.16	
For 18 Gauge, Add	14.83	
For 16 Gauge, Add	18.20	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.95	
For Work In Restricted Working Space, Add	66.96	
For Elevated Installation >10' To 15', Add	22.32	
For Elevated Installation >15' To 20', Add	44.64	
For Elevated Installation >20' To 25', Add	55.80	
For Elevated Installation >25' To 30', Add	78.12	
For Elevated Installation >30' To 35', Add	89.28	
For Elevated Installation >35' To 40', Add	111.60	
For Elevated Installation >40', Add	122.76	
23 31 13 16-0023 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	284.08	122.72
For Seal Class B, Add	36.82	
For Seal Class A, Add	98.18	
For 28 Gauge, Deduct	-5.35	
For 24 Gauge, Add	5.33	
For 22 Gauge, Add	10.65	
For 20 Gauge, Add	16.00	
For 18 Gauge, Add	21.25	
For 16 Gauge, Add	26.08	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.59	
For Work In Restricted Working Space, Add	73.63	
For Elevated Installation >10' To 15', Add	24.54	
For Elevated Installation >15' To 20', Add	49.09	
For Elevated Installation >20' To 25', Add	61.36	
For Elevated Installation >25' To 30', Add	85.90	
For Elevated Installation >30' To 35', Add	98.18	
For Elevated Installation >35' To 40', Add	122.72	
For Elevated Installation >40', Add	134.99	
23 31 13 16-0024 EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	313.26	127.71
For Seal Class B, Add	38.31	
For Seal Class A, Add	102.16	
For 28 Gauge, Deduct	-8.01	
For 24 Gauge, Add	7.98	
For 22 Gauge, Add	15.94	
For 20 Gauge, Add	23.95	
For 18 Gauge, Add	31.82	
For 16 Gauge, Add	39.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.81	
For Work In Restricted Working Space, Add	76.62	
For Elevated Installation >10' To 15', Add	25.54	
For Elevated Installation >15' To 20', Add	51.08	
For Elevated Installation >20' To 25', Add	63.85	
For Elevated Installation >25' To 30', Add	89.39	
For Elevated Installation >30' To 35', Add	102.16	
For Elevated Installation >35' To 40', Add	127.71	
For Elevated Installation >40', Add	140.48	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0025 EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	340.98	131.92
For Seal Class B, Add	39.58	
For Seal Class A, Add	105.54	
For 28 Gauge, Deduct	-10.68	
For 24 Gauge, Add	10.64	
For 22 Gauge, Add	21.25	
For 20 Gauge, Add	31.93	
For 18 Gauge, Add	42.42	
For 16 Gauge, Add	52.06	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	57.08	
For Work In Restricted Working Space, Add	79.16	
For Elevated Installation >10' To 15', Add	26.39	
For Elevated Installation >15' To 20', Add	52.77	
For Elevated Installation >20' To 25', Add	65.96	
For Elevated Installation >25' To 30', Add	92.35	
For Elevated Installation >30' To 35', Add	105.54	
For Elevated Installation >35' To 40', Add	131.93	
For Elevated Installation >40', Add	145.12	
23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0027 EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	39.61	13.80
For Seal Class B, Add	5.18	
For Seal Class A, Add	13.81	
For 28 Gauge, Deduct	-0.70	
For 24 Gauge, Add	0.70	
For 22 Gauge, Add	1.40	
For 20 Gauge, Add	2.11	
For 18 Gauge, Add	2.80	
For 16 Gauge, Add	3.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.77	
For Work In Restricted Working Space, Add	10.36	
For Elevated Installation >10' To 15', Add	3.45	
For Elevated Installation >15' To 20', Add	6.90	
For Elevated Installation >20' To 25', Add	8.63	
For Elevated Installation >25' To 30', Add	12.08	
For Elevated Installation >30' To 35', Add	13.81	
For Elevated Installation >35' To 40', Add	17.26	
For Elevated Installation >40', Add	18.99	
23 31 13 16-0028 EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	45.24	15.80
For Seal Class B, Add	5.92	
For Seal Class A, Add	15.78	
For 28 Gauge, Deduct	-0.80	
For 24 Gauge, Add	0.80	
For 22 Gauge, Add	1.60	
For 20 Gauge, Add	2.40	
For 18 Gauge, Add	3.19	
For 16 Gauge, Add	3.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.29	
For Work In Restricted Working Space, Add	11.83	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.89	
For Elevated Installation >20' To 25', Add	9.86	
For Elevated Installation >25' To 30', Add	13.80	
For Elevated Installation >30' To 35', Add	15.78	
For Elevated Installation >35' To 40', Add	19.72	
For Elevated Installation >40', Add	21.69	
23 31 13 16-0029 EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	52.63	18.41
For Seal Class B, Add	6.90	
For Seal Class A, Add	18.41	
For 28 Gauge, Deduct	-0.92	
For 24 Gauge, Add	0.91	
For 22 Gauge, Add	1.82	
For 20 Gauge, Add	2.74	
For 18 Gauge, Add	3.64	
For 16 Gauge, Add	4.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.89	
For Work In Restricted Working Space, Add	13.81	
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.20	
For Elevated Installation >20' To 25', Add	11.51	
For Elevated Installation >25' To 30', Add	16.11	
For Elevated Installation >30' To 35', Add	18.41	
For Elevated Installation >35' To 40', Add	23.01	
For Elevated Installation >40', Add	25.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0030 EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	62.23	22.09
For Seal Class B, Add	8.28	
For Seal Class A, Add	22.09	
For 28 Gauge, Deduct	-0.97	
For 24 Gauge, Add	0.97	
For 22 Gauge, Add	1.93	
For 20 Gauge, Add	2.90	
For 18 Gauge, Add	3.85	
For 16 Gauge, Add	4.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.18	
For Work In Restricted Working Space, Add	16.57	
For Elevated Installation >10' To 15', Add	5.52	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.81	
For Elevated Installation >25' To 30', Add	19.33	
For Elevated Installation >30' To 35', Add	22.09	
For Elevated Installation >35' To 40', Add	27.62	
For Elevated Installation >40', Add	30.38	
23 31 13 16-0031 EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	77.15	27.61
For Seal Class B, Add	10.35	
For Seal Class A, Add	27.61	
For 28 Gauge, Deduct	-1.12	
For 24 Gauge, Add	1.12	
For 22 Gauge, Add	2.24	
For 20 Gauge, Add	3.36	
For 18 Gauge, Add	4.47	
For 16 Gauge, Add	5.48	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.01	
For Work In Restricted Working Space, Add	20.71	
For Elevated Installation >10' To 15', Add	6.90	
For Elevated Installation >15' To 20', Add	13.81	
For Elevated Installation >20' To 25', Add	17.26	
For Elevated Installation >25' To 30', Add	24.16	
For Elevated Installation >30' To 35', Add	27.61	
For Elevated Installation >35' To 40', Add	34.52	
For Elevated Installation >40', Add	37.97	
23 31 13 16-0032 EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	103.65	36.82
For Seal Class B, Add	13.81	
For Seal Class A, Add	36.82	
For 28 Gauge, Deduct	-1.61	
For 24 Gauge, Add	1.60	
For 22 Gauge, Add	3.20	
For 20 Gauge, Add	4.81	
For 18 Gauge, Add	6.39	
For 16 Gauge, Add	7.84	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.59	
For Work In Restricted Working Space, Add	27.61	
For Elevated Installation >10' To 15', Add	9.20	
For Elevated Installation >15' To 20', Add	18.41	
For Elevated Installation >20' To 25', Add	23.01	
For Elevated Installation >25' To 30', Add	32.21	
For Elevated Installation >30' To 35', Add	36.82	
For Elevated Installation >35' To 40', Add	46.02	
For Elevated Installation >40', Add	50.62	
23 31 13 16-0033 EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	153.42	55.23
For Seal Class B, Add	20.71	
For Seal Class A, Add	55.22	
For 28 Gauge, Deduct	-2.13	
For 24 Gauge, Add	2.12	
For 22 Gauge, Add	4.23	
For 20 Gauge, Add	6.36	
For 18 Gauge, Add	8.45	
For 16 Gauge, Add	10.37	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.37	
For Work In Restricted Working Space, Add	41.42	
For Elevated Installation >10' To 15', Add	13.81	
For Elevated Installation >15' To 20', Add	27.61	
For Elevated Installation >20' To 25', Add	34.52	
For Elevated Installation >25' To 30', Add	48.32	
For Elevated Installation >30' To 35', Add	55.22	
For Elevated Installation >35' To 40', Add	69.03	
For Elevated Installation >40', Add	75.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0034 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	205.16	70.56
For Seal Class B, Add	26.46	
For Seal Class A, Add	70.56	
For 28 Gauge, Deduct	-3.98	
For 24 Gauge, Add	3.97	
For 22 Gauge, Add	7.92	
For 20 Gauge, Add	11.90	
For 18 Gauge, Add	15.81	
For 16 Gauge, Add	19.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.28	
For Work In Restricted Working Space, Add	52.92	
For Elevated Installation >10' To 15', Add	17.64	
For Elevated Installation >15' To 20', Add	35.28	
For Elevated Installation >20' To 25', Add	44.10	
For Elevated Installation >25' To 30', Add	61.74	
For Elevated Installation >30' To 35', Add	70.56	
For Elevated Installation >35' To 40', Add	88.21	
For Elevated Installation >40', Add	97.03	
23 31 13 16-0035 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	257.60	88.97
For Seal Class B, Add	33.36	
For Seal Class A, Add	88.97	
For 28 Gauge, Deduct	-4.87	
For 24 Gauge, Add	4.85	
For 22 Gauge, Add	9.69	
For 20 Gauge, Add	14.56	
For 18 Gauge, Add	19.34	
For 16 Gauge, Add	23.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.03	
For Work In Restricted Working Space, Add	66.73	
For Elevated Installation >10' To 15', Add	22.24	
For Elevated Installation >15' To 20', Add	44.49	
For Elevated Installation >20' To 25', Add	55.61	
For Elevated Installation >25' To 30', Add	77.85	
For Elevated Installation >30' To 35', Add	88.97	
For Elevated Installation >35' To 40', Add	111.22	
For Elevated Installation >40', Add	122.34	
23 31 13 16-0036 EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	286.27	92.81
For Seal Class B, Add	34.74	
For Seal Class A, Add	92.65	
For 28 Gauge, Deduct	-7.57	
For 24 Gauge, Add	7.54	
For 22 Gauge, Add	15.05	
For 20 Gauge, Add	22.62	
For 18 Gauge, Add	30.05	
For 16 Gauge, Add	36.88	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.43	
For Work In Restricted Working Space, Add	69.49	
For Elevated Installation >10' To 15', Add	23.16	
For Elevated Installation >15' To 20', Add	46.33	
For Elevated Installation >20' To 25', Add	57.91	
For Elevated Installation >25' To 30', Add	81.07	
For Elevated Installation >30' To 35', Add	92.65	
For Elevated Installation >35' To 40', Add	115.82	
For Elevated Installation >40', Add	127.40	
23 31 13 16-0037 EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	310.63	95.10
For Seal Class B, Add	35.67	
For Seal Class A, Add	95.11	
For 28 Gauge, Deduct	-10.09	
For 24 Gauge, Add	10.05	
For 22 Gauge, Add	20.07	
For 20 Gauge, Add	30.16	
For 18 Gauge, Add	40.07	
For 16 Gauge, Add	49.17	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	53.91	
For Work In Restricted Working Space, Add	71.33	
For Elevated Installation >10' To 15', Add	23.78	
For Elevated Installation >15' To 20', Add	47.56	
For Elevated Installation >20' To 25', Add	59.45	
For Elevated Installation >25' To 30', Add	83.22	
For Elevated Installation >30' To 35', Add	95.11	
For Elevated Installation >35' To 40', Add	118.89	
For Elevated Installation >40', Add	130.78	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0039 EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	37.72	13.80
For Seal Class B, Add	5.18	
For Seal Class A, Add	13.81	
For 28 Gauge, Deduct	-0.44	
For 24 Gauge, Add	0.44	
For 22 Gauge, Add	0.88	
For 20 Gauge, Add	1.32	
For 18 Gauge, Add	1.76	
For 16 Gauge, Add	2.16	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.37	
For Work In Restricted Working Space, Add	10.36	
For Elevated Installation >10' To 15', Add	3.45	
For Elevated Installation >15' To 20', Add	6.90	
For Elevated Installation >20' To 25', Add	8.63	
For Elevated Installation >25' To 30', Add	12.08	
For Elevated Installation >30' To 35', Add	13.81	
For Elevated Installation >35' To 40', Add	17.26	
For Elevated Installation >40', Add	18.99	
23 31 13 16-0040 EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	43.55	15.80
For Seal Class B, Add	5.92	
For Seal Class A, Add	15.78	
For 28 Gauge, Deduct	-0.57	
For 24 Gauge, Add	0.57	
For 22 Gauge, Add	1.13	
For 20 Gauge, Add	1.70	
For 18 Gauge, Add	2.26	
For 16 Gauge, Add	2.77	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.04	
For Work In Restricted Working Space, Add	11.83	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.89	
For Elevated Installation >20' To 25', Add	9.86	
For Elevated Installation >25' To 30', Add	13.80	
For Elevated Installation >30' To 35', Add	15.78	
For Elevated Installation >35' To 40', Add	19.72	
For Elevated Installation >40', Add	21.69	
23 31 13 16-0041 EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	50.50	18.41
For Seal Class B, Add	6.90	
For Seal Class A, Add	18.41	
For 28 Gauge, Deduct	-0.62	
For 24 Gauge, Add	0.62	
For 22 Gauge, Add	1.23	
For 20 Gauge, Add	1.85	
For 18 Gauge, Add	2.46	
For 16 Gauge, Add	3.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.32	
For Work In Restricted Working Space, Add	13.81	
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.20	
For Elevated Installation >20' To 25', Add	11.51	
For Elevated Installation >25' To 30', Add	16.11	
For Elevated Installation >30' To 35', Add	18.41	
For Elevated Installation >35' To 40', Add	23.01	
For Elevated Installation >40', Add	25.31	
23 31 13 16-0042 EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	60.43	22.09
For Seal Class B, Add	8.28	
For Seal Class A, Add	22.09	
For 28 Gauge, Deduct	-0.72	
For 24 Gauge, Add	0.72	
For 22 Gauge, Add	1.43	
For 20 Gauge, Add	2.15	
For 18 Gauge, Add	2.86	
For 16 Gauge, Add	3.51	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.85	
For Work In Restricted Working Space, Add	16.57	
For Elevated Installation >10' To 15', Add	5.52	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.81	
For Elevated Installation >25' To 30', Add	19.33	
For Elevated Installation >30' To 35', Add	22.09	
For Elevated Installation >35' To 40', Add	27.62	
For Elevated Installation >40', Add	30.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0043	EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	74.94	27.61
	For Seal Class B, Add	10.35	
	For Seal Class A, Add	27.61	
	For 28 Gauge, Deduct	-0.82	
	For 24 Gauge, Add	0.82	
	For 22 Gauge, Add	1.63	
	For 20 Gauge, Add	2.45	
	For 18 Gauge, Add	3.25	
	For 16 Gauge, Add	3.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.37	
	For Work In Restricted Working Space, Add	20.71	
	For Elevated Installation >10' To 15', Add	6.90	
	For Elevated Installation >15' To 20', Add	13.81	
	For Elevated Installation >20' To 25', Add	17.26	
	For Elevated Installation >25' To 30', Add	24.16	
	For Elevated Installation >30' To 35', Add	27.61	
	For Elevated Installation >35' To 40', Add	34.52	
	For Elevated Installation >40', Add	37.97	
23 31 13 16-0044	EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	101.06	36.82
	For Seal Class B, Add	13.81	
	For Seal Class A, Add	36.82	
	For 28 Gauge, Deduct	-1.25	
	For 24 Gauge, Add	1.24	
	For 22 Gauge, Add	2.49	
	For 20 Gauge, Add	3.73	
	For 18 Gauge, Add	4.96	
	For 16 Gauge, Add	6.09	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.67	
	For Work In Restricted Working Space, Add	27.61	
	For Elevated Installation >10' To 15', Add	9.20	
	For Elevated Installation >15' To 20', Add	18.41	
	For Elevated Installation >20' To 25', Add	23.01	
	For Elevated Installation >25' To 30', Add	32.21	
	For Elevated Installation >30' To 35', Add	36.82	
	For Elevated Installation >35' To 40', Add	46.02	
	For Elevated Installation >40', Add	50.62	
23 31 13 16-0045	EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	149.67	55.23
	For Seal Class B, Add	20.71	
	For Seal Class A, Add	55.22	
	For 28 Gauge, Deduct	-1.61	
	For 24 Gauge, Add	1.60	
	For 22 Gauge, Add	3.20	
	For 20 Gauge, Add	4.81	
	For 18 Gauge, Add	6.39	
	For 16 Gauge, Add	7.84	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.59	
	For Work In Restricted Working Space, Add	41.42	
	For Elevated Installation >10' To 15', Add	13.81	
	For Elevated Installation >15' To 20', Add	27.61	
	For Elevated Installation >20' To 25', Add	34.52	
	For Elevated Installation >25' To 30', Add	48.32	
	For Elevated Installation >30' To 35', Add	55.22	
	For Elevated Installation >35' To 40', Add	69.03	
	For Elevated Installation >40', Add	75.93	
23 31 13 16-0046	EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	196.50	70.56
	For Seal Class B, Add	26.46	
	For Seal Class A, Add	70.56	
	For 28 Gauge, Deduct	-2.78	
	For 24 Gauge, Add	2.77	
	For 22 Gauge, Add	5.53	
	For 20 Gauge, Add	8.32	
	For 18 Gauge, Add	11.05	
	For 16 Gauge, Add	13.56	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.87	
	For Work In Restricted Working Space, Add	52.92	
	For Elevated Installation >10' To 15', Add	17.64	
	For Elevated Installation >15' To 20', Add	35.28	
	For Elevated Installation >20' To 25', Add	44.10	
	For Elevated Installation >25' To 30', Add	61.74	
	For Elevated Installation >30' To 35', Add	70.56	
	For Elevated Installation >35' To 40', Add	88.21	
	For Elevated Installation >40', Add	97.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0047 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	255.37	88.97
For Seal Class B, Add	33.36	
For Seal Class A, Add	88.97	
For 28 Gauge, Deduct	-4.56	
For 24 Gauge, Add	4.55	
For 22 Gauge, Add	9.07	
For 20 Gauge, Add	13.64	
For 18 Gauge, Add	18.12	
For 16 Gauge, Add	22.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.38	
For Work In Restricted Working Space, Add	66.73	
For Elevated Installation >10' To 15', Add	22.24	
For Elevated Installation >15' To 20', Add	44.49	
For Elevated Installation >20' To 25', Add	55.61	
For Elevated Installation >25' To 30', Add	77.85	
For Elevated Installation >30' To 35', Add	88.97	
For Elevated Installation >35' To 40', Add	111.22	
For Elevated Installation >40', Add	122.34	
23 31 13 16-0048 EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	271.45	92.81
For Seal Class B, Add	34.74	
For Seal Class A, Add	92.65	
For 28 Gauge, Deduct	-5.52	
For 24 Gauge, Add	5.50	
For 22 Gauge, Add	10.97	
For 20 Gauge, Add	16.49	
For 18 Gauge, Add	21.90	
For 16 Gauge, Add	26.88	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.47	
For Work In Restricted Working Space, Add	69.49	
For Elevated Installation >10' To 15', Add	23.16	
For Elevated Installation >15' To 20', Add	46.33	
For Elevated Installation >20' To 25', Add	57.91	
For Elevated Installation >25' To 30', Add	81.07	
For Elevated Installation >30' To 35', Add	92.65	
For Elevated Installation >35' To 40', Add	115.82	
For Elevated Installation >40', Add	127.40	
23 31 13 16-0049 EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	288.79	95.10
For Seal Class B, Add	35.67	
For Seal Class A, Add	95.11	
For 28 Gauge, Deduct	-7.06	
For 24 Gauge, Add	7.04	
For 22 Gauge, Add	14.05	
For 20 Gauge, Add	21.12	
For 18 Gauge, Add	28.06	
For 16 Gauge, Add	34.43	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.75	
For Work In Restricted Working Space, Add	71.33	
For Elevated Installation >10' To 15', Add	23.78	
For Elevated Installation >15' To 20', Add	47.56	
For Elevated Installation >20' To 25', Add	59.45	
For Elevated Installation >25' To 30', Add	83.22	
For Elevated Installation >30' To 35', Add	95.11	
For Elevated Installation >35' To 40', Add	118.89	
For Elevated Installation >40', Add	130.78	
23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees (23 31 13 16-0001)		
23 31 13 16-0051 EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	58.89	20.71
For Seal Class B, Add	7.77	
For Seal Class A, Add	20.71	
For 28 Gauge, Deduct	-0.99	
For 24 Gauge, Add	0.98	
For 22 Gauge, Add	1.96	
For 20 Gauge, Add	2.95	
For 18 Gauge, Add	3.92	
For 16 Gauge, Add	4.81	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.27	
For Work In Restricted Working Space, Add	15.53	
For Elevated Installation >10' To 15', Add	5.18	
For Elevated Installation >15' To 20', Add	10.35	
For Elevated Installation >20' To 25', Add	12.94	
For Elevated Installation >25' To 30', Add	18.12	
For Elevated Installation >30' To 35', Add	20.71	
For Elevated Installation >35' To 40', Add	25.89	
For Elevated Installation >40', Add	28.47	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0052	EA		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	68.63	23.63
			<i>For Seal Class B, Add</i>	8.88	
			<i>For Seal Class A, Add</i>	23.67	
			<i>For 28 Gauge, Deduct</i>	-1.31	
			<i>For 24 Gauge, Add</i>	1.31	
			<i>For 22 Gauge, Add</i>	2.61	
			<i>For 20 Gauge, Add</i>	3.92	
			<i>For 18 Gauge, Add</i>	5.20	
			<i>For 16 Gauge, Add</i>	6.39	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.00	
			<i>For Work In Restricted Working Space, Add</i>	17.75	
			<i>For Elevated Installation >10' To 15', Add</i>	5.92	
			<i>For Elevated Installation >15' To 20', Add</i>	11.83	
			<i>For Elevated Installation >20' To 25', Add</i>	14.79	
			<i>For Elevated Installation >25' To 30', Add</i>	20.71	
			<i>For Elevated Installation >30' To 35', Add</i>	23.67	
			<i>For Elevated Installation >35' To 40', Add</i>	29.59	
			<i>For Elevated Installation >40', Add</i>	32.54	
23 31 13 16-0053	EA		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	79.30	27.61
			<i>For Seal Class B, Add</i>	10.35	
			<i>For Seal Class A, Add</i>	27.61	
			<i>For 28 Gauge, Deduct</i>	-1.42	
			<i>For 24 Gauge, Add</i>	1.42	
			<i>For 22 Gauge, Add</i>	2.83	
			<i>For 20 Gauge, Add</i>	4.25	
			<i>For 18 Gauge, Add</i>	5.65	
			<i>For 16 Gauge, Add</i>	6.93	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.60	
			<i>For Work In Restricted Working Space, Add</i>	20.71	
			<i>For Elevated Installation >10' To 15', Add</i>	6.90	
			<i>For Elevated Installation >15' To 20', Add</i>	13.81	
			<i>For Elevated Installation >20' To 25', Add</i>	17.26	
			<i>For Elevated Installation >25' To 30', Add</i>	24.16	
			<i>For Elevated Installation >30' To 35', Add</i>	27.61	
			<i>For Elevated Installation >35' To 40', Add</i>	34.52	
			<i>For Elevated Installation >40', Add</i>	37.97	
23 31 13 16-0054	EA		7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	94.65	33.14
			<i>For Seal Class B, Add</i>	12.42	
			<i>For Seal Class A, Add</i>	33.13	
			<i>For 28 Gauge, Deduct</i>	-1.64	
			<i>For 24 Gauge, Add</i>	1.63	
			<i>For 22 Gauge, Add</i>	3.26	
			<i>For 20 Gauge, Add</i>	4.89	
			<i>For 18 Gauge, Add</i>	6.50	
			<i>For 16 Gauge, Add</i>	7.98	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.75	
			<i>For Work In Restricted Working Space, Add</i>	24.85	
			<i>For Elevated Installation >10' To 15', Add</i>	8.28	
			<i>For Elevated Installation >15' To 20', Add</i>	16.57	
			<i>For Elevated Installation >20' To 25', Add</i>	20.71	
			<i>For Elevated Installation >25' To 30', Add</i>	28.99	
			<i>For Elevated Installation >30' To 35', Add</i>	33.13	
			<i>For Elevated Installation >35' To 40', Add</i>	41.42	
			<i>For Elevated Installation >40', Add</i>	45.56	
23 31 13 16-0055	EA		8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	122.66	41.41
			<i>For Seal Class B, Add</i>	15.53	
			<i>For Seal Class A, Add</i>	41.42	
			<i>For 28 Gauge, Deduct</i>	-2.65	
			<i>For 24 Gauge, Add</i>	2.64	
			<i>For 22 Gauge, Add</i>	5.26	
			<i>For 20 Gauge, Add</i>	7.91	
			<i>For 18 Gauge, Add</i>	10.51	
			<i>For 16 Gauge, Add</i>	12.89	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.13	
			<i>For Work In Restricted Working Space, Add</i>	31.07	
			<i>For Elevated Installation >10' To 15', Add</i>	10.36	
			<i>For Elevated Installation >15' To 20', Add</i>	20.71	
			<i>For Elevated Installation >20' To 25', Add</i>	25.89	
			<i>For Elevated Installation >25' To 30', Add</i>	36.25	
			<i>For Elevated Installation >30' To 35', Add</i>	41.42	
			<i>For Elevated Installation >35' To 40', Add</i>	51.78	
			<i>For Elevated Installation >40', Add</i>	56.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0056 EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	162.43	55.23
For Seal Class B, Add	20.71	
For Seal Class A, Add	55.22	
For 28 Gauge, Deduct	-3.38	
For 24 Gauge, Add	3.36	
For 22 Gauge, Add	6.71	
For 20 Gauge, Add	10.09	
For 18 Gauge, Add	13.40	
For 16 Gauge, Add	16.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.03	
For Work In Restricted Working Space, Add	41.42	
For Elevated Installation >10' To 15', Add	13.81	
For Elevated Installation >15' To 20', Add	27.61	
For Elevated Installation >20' To 25', Add	34.52	
For Elevated Installation >25' To 30', Add	48.32	
For Elevated Installation >30' To 35', Add	55.22	
For Elevated Installation >35' To 40', Add	69.03	
For Elevated Installation >40', Add	75.93	
23 31 13 16-0057 EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	231.42	82.84
For Seal Class B, Add	31.06	
For Seal Class A, Add	82.82	
For 28 Gauge, Deduct	-3.38	
For 24 Gauge, Add	3.36	
For 22 Gauge, Add	6.71	
For 20 Gauge, Add	10.09	
For 18 Gauge, Add	13.40	
For 16 Gauge, Add	16.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.03	
For Work In Restricted Working Space, Add	62.12	
For Elevated Installation >10' To 15', Add	20.71	
For Elevated Installation >15' To 20', Add	41.41	
For Elevated Installation >20' To 25', Add	51.76	
For Elevated Installation >25' To 30', Add	72.47	
For Elevated Installation >30' To 35', Add	82.82	
For Elevated Installation >35' To 40', Add	103.53	
For Elevated Installation >40', Add	113.88	
23 31 13 16-0058 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	310.90	105.54
For Seal Class B, Add	39.67	
For Seal Class A, Add	105.79	
For 28 Gauge, Deduct	-6.43	
For 24 Gauge, Add	6.41	
For 22 Gauge, Add	12.79	
For 20 Gauge, Add	19.22	
For 18 Gauge, Add	25.53	
For 16 Gauge, Add	31.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.35	
For Work In Restricted Working Space, Add	79.34	
For Elevated Installation >10' To 15', Add	26.45	
For Elevated Installation >15' To 20', Add	52.90	
For Elevated Installation >20' To 25', Add	66.12	
For Elevated Installation >25' To 30', Add	92.57	
For Elevated Installation >30' To 35', Add	105.79	
For Elevated Installation >35' To 40', Add	132.24	
For Elevated Installation >40', Add	145.46	
23 31 13 16-0059 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	398.65	133.76
For Seal Class B, Add	50.02	
For Seal Class A, Add	133.39	
For 28 Gauge, Deduct	-9.03	
For 24 Gauge, Add	8.99	
For 22 Gauge, Add	17.95	
For 20 Gauge, Add	26.98	
For 18 Gauge, Add	35.84	
For 16 Gauge, Add	43.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.23	
For Work In Restricted Working Space, Add	100.04	
For Elevated Installation >10' To 15', Add	33.35	
For Elevated Installation >15' To 20', Add	66.70	
For Elevated Installation >20' To 25', Add	83.37	
For Elevated Installation >25' To 30', Add	116.72	
For Elevated Installation >30' To 35', Add	133.39	
For Elevated Installation >35' To 40', Add	166.74	
For Elevated Installation >40', Add	183.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0060	EA		18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	455.80	148.79
			<i>For Seal Class B, Add</i>	55.92	
			<i>For Seal Class A, Add</i>	149.11	
			<i>For 28 Gauge, Deduct</i>	-11.50	
			<i>For 24 Gauge, Add</i>	11.46	
			<i>For 22 Gauge, Add</i>	22.87	
			<i>For 20 Gauge, Add</i>	34.37	
			<i>For 18 Gauge, Add</i>	45.67	
			<i>For 16 Gauge, Add</i>	56.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	61.44	
			<i>For Work In Restricted Working Space, Add</i>	111.83	
			<i>For Elevated Installation >10' To 15', Add</i>	37.28	
			<i>For Elevated Installation >15' To 20', Add</i>	74.55	
			<i>For Elevated Installation >20' To 25', Add</i>	93.19	
			<i>For Elevated Installation >25' To 30', Add</i>	130.47	
			<i>For Elevated Installation >30' To 35', Add</i>	149.11	
			<i>For Elevated Installation >35' To 40', Add</i>	186.39	
			<i>For Elevated Installation >40', Add</i>	205.02	
23 31 13 16-0061	EA		20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	477.16	154.16
			<i>For Seal Class B, Add</i>	57.75	
			<i>For Seal Class A, Add</i>	154.01	
			<i>For 28 Gauge, Deduct</i>	-12.76	
			<i>For 24 Gauge, Add</i>	12.71	
			<i>For 22 Gauge, Add</i>	25.38	
			<i>For 20 Gauge, Add</i>	38.14	
			<i>For 18 Gauge, Add</i>	50.67	
			<i>For 16 Gauge, Add</i>	62.19	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	68.18	
			<i>For Work In Restricted Working Space, Add</i>	115.51	
			<i>For Elevated Installation >10' To 15', Add</i>	38.50	
			<i>For Elevated Installation >15' To 20', Add</i>	77.01	
			<i>For Elevated Installation >20' To 25', Add</i>	96.26	
			<i>For Elevated Installation >25' To 30', Add</i>	134.76	
			<i>For Elevated Installation >30' To 35', Add</i>	154.01	
			<i>For Elevated Installation >35' To 40', Add</i>	192.52	
			<i>For Elevated Installation >40', Add</i>	211.77	
23 31 13 16-0062			Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)		
23 31 13 16-0063	EA		4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	26.93	
			<i>For Seal Class B, Add</i>	3.68	
			<i>For Seal Class A, Add</i>	9.82	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
			<i>For Elevated Installation >10' To 15', Add</i>	2.45	
			<i>For Elevated Installation >15' To 20', Add</i>	4.91	
			<i>For Elevated Installation >20' To 25', Add</i>	6.14	
			<i>For Elevated Installation >25' To 30', Add</i>	8.59	
			<i>For Elevated Installation >30' To 35', Add</i>	9.82	
			<i>For Elevated Installation >35' To 40', Add</i>	12.27	
			<i>For Elevated Installation >40', Add</i>	13.50	
23 31 13 16-0064	EA		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	28.36	
			<i>For Seal Class B, Add</i>	3.87	
			<i>For Seal Class A, Add</i>	10.32	
			<i>For Work In Restricted Working Space, Add</i>	7.74	
			<i>For Elevated Installation >10' To 15', Add</i>	2.58	
			<i>For Elevated Installation >15' To 20', Add</i>	5.16	
			<i>For Elevated Installation >20' To 25', Add</i>	6.45	
			<i>For Elevated Installation >25' To 30', Add</i>	9.03	
			<i>For Elevated Installation >30' To 35', Add</i>	10.32	
			<i>For Elevated Installation >35' To 40', Add</i>	12.90	
			<i>For Elevated Installation >40', Add</i>	14.18	
23 31 13 16-0065	EA		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	30.38	
			<i>For Seal Class B, Add</i>	4.14	
			<i>For Seal Class A, Add</i>	11.04	
			<i>For Work In Restricted Working Space, Add</i>	8.28	
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.52	
			<i>For Elevated Installation >20' To 25', Add</i>	6.90	
			<i>For Elevated Installation >25' To 30', Add</i>	9.66	
			<i>For Elevated Installation >30' To 35', Add</i>	11.04	
			<i>For Elevated Installation >35' To 40', Add</i>	13.81	
			<i>For Elevated Installation >40', Add</i>	15.19	
23 31 13 16-0066	EA		7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	32.31	
			<i>For Seal Class B, Add</i>	4.37	
			<i>For Seal Class A, Add</i>	11.66	
			<i>For Work In Restricted Working Space, Add</i>	8.75	
			<i>For Elevated Installation >10' To 15', Add</i>	2.92	
			<i>For Elevated Installation >15' To 20', Add</i>	5.83	
			<i>For Elevated Installation >20' To 25', Add</i>	7.29	
			<i>For Elevated Installation >25' To 30', Add</i>	10.20	
			<i>For Elevated Installation >30' To 35', Add</i>	11.66	
			<i>For Elevated Installation >35' To 40', Add</i>	14.58	
			<i>For Elevated Installation >40', Add</i>	16.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0067 EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	35.02	
For Seal Class B, Add	4.72	
For Seal Class A, Add	12.58	
For Work In Restricted Working Space, Add	9.44	
For Elevated Installation >10' To 15', Add	3.15	
For Elevated Installation >15' To 20', Add	6.29	
For Elevated Installation >20' To 25', Add	7.86	
For Elevated Installation >25' To 30', Add	11.01	
For Elevated Installation >30' To 35', Add	12.58	
For Elevated Installation >35' To 40', Add	15.73	
For Elevated Installation >40', Add	17.30	
23 31 13 16-0068 EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	40.75	
For Seal Class B, Add	5.27	
For Seal Class A, Add	14.05	
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
23 31 13 16-0069 EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	55.87	
For Seal Class B, Add	7.36	
For Seal Class A, Add	19.64	
For Work In Restricted Working Space, Add	14.73	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.64	
For Elevated Installation >35' To 40', Add	24.55	
For Elevated Installation >40', Add	27.00	
23 31 13 16-0070 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	63.75	
For Seal Class B, Add	8.38	
For Seal Class A, Add	22.34	
For Work In Restricted Working Space, Add	16.76	
For Elevated Installation >10' To 15', Add	5.59	
For Elevated Installation >15' To 20', Add	11.17	
For Elevated Installation >20' To 25', Add	13.97	
For Elevated Installation >25' To 30', Add	19.55	
For Elevated Installation >30' To 35', Add	22.34	
For Elevated Installation >35' To 40', Add	27.93	
For Elevated Installation >40', Add	30.72	
23 31 13 16-0071 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	70.06	
For Seal Class B, Add	9.18	
For Seal Class A, Add	24.49	
For Work In Restricted Working Space, Add	18.37	
For Elevated Installation >10' To 15', Add	6.12	
For Elevated Installation >15' To 20', Add	12.24	
For Elevated Installation >20' To 25', Add	15.31	
For Elevated Installation >25' To 30', Add	21.43	
For Elevated Installation >30' To 35', Add	24.49	
For Elevated Installation >35' To 40', Add	30.61	
For Elevated Installation >40', Add	33.67	
23 31 13 16-0072 EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	76.14	
For Seal Class B, Add	9.94	
For Seal Class A, Add	26.51	
For Work In Restricted Working Space, Add	19.88	
For Elevated Installation >10' To 15', Add	6.63	
For Elevated Installation >15' To 20', Add	13.25	
For Elevated Installation >20' To 25', Add	16.57	
For Elevated Installation >25' To 30', Add	23.19	
For Elevated Installation >30' To 35', Add	26.51	
For Elevated Installation >35' To 40', Add	33.14	
For Elevated Installation >40', Add	36.45	
23 31 13 16-0073 EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	82.96	
For Seal Class B, Add	10.84	
For Seal Class A, Add	28.90	
For Work In Restricted Working Space, Add	21.68	
For Elevated Installation >10' To 15', Add	7.23	
For Elevated Installation >15' To 20', Add	14.45	
For Elevated Installation >20' To 25', Add	18.06	
For Elevated Installation >25' To 30', Add	25.29	
For Elevated Installation >30' To 35', Add	28.90	
For Elevated Installation >35' To 40', Add	36.13	
For Elevated Installation >40', Add	39.74	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)
 23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0076	LF 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	12.46	1.42
	For Seal Class B, Add	1.14	
	For Seal Class A, Add	3.03	
	For Up To 20', Add	1.46	
	For >20' To 50', Add	0.59	
	For >200' To 500', Deduct	-0.37	
	For >500', Deduct	-0.61	
	For 24 Gauge, Add	0.98	
	For 22 Gauge, Add	2.24	
	For 20 Gauge, Add	3.66	
	For 18 Gauge, Add	5.61	
	For 16 Gauge, Add	6.83	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.61	
	For Work In Restricted Working Space, Add	2.27	
23 31 13 16-0077	LF 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	16.15	2.83
	For Seal Class B, Add	1.36	
	For Seal Class A, Add	3.64	
	For Up To 20', Add	2.12	
	For >20' To 50', Add	0.85	
	For >200' To 500', Deduct	-0.53	
	For >500', Deduct	-0.88	
	For 24 Gauge, Add	1.41	
	For 22 Gauge, Add	3.25	
	For 20 Gauge, Add	5.30	
	For 18 Gauge, Add	8.12	
	For 16 Gauge, Add	9.88	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.22	
	For Work In Restricted Working Space, Add	2.73	
23 31 13 16-0078	LF 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	20.57	2.83
	For Seal Class B, Add	1.69	
	For Seal Class A, Add	4.51	
	For Up To 20', Add	2.79	
	For >20' To 50', Add	1.11	
	For >200' To 500', Deduct	-0.70	
	For >500', Deduct	-1.16	
	For 24 Gauge, Add	1.86	
	For 22 Gauge, Add	4.27	
	For 20 Gauge, Add	6.97	
	For 18 Gauge, Add	10.68	
	For 16 Gauge, Add	13.01	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.87	
	For Work In Restricted Working Space, Add	3.38	
23 31 13 16-0079	LF 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	25.02	2.83
	For Seal Class B, Add	2.03	
	For Seal Class A, Add	5.42	
	For Up To 20', Add	3.44	
	For >20' To 50', Add	1.38	
	For >200' To 500', Deduct	-0.86	
	For >500', Deduct	-1.43	
	For 24 Gauge, Add	2.29	
	For 22 Gauge, Add	5.28	
	For 20 Gauge, Add	8.60	
	For 18 Gauge, Add	13.19	
	For 16 Gauge, Add	16.06	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.49	
	For Work In Restricted Working Space, Add	4.07	
23 31 13 16-0080	LF 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	31.08	4.24
	For Seal Class B, Add	2.55	
	For Seal Class A, Add	6.79	
	For Up To 20', Add	4.23	
	For >20' To 50', Add	1.69	
	For >200' To 500', Deduct	-1.06	
	For >500', Deduct	-1.76	
	For 24 Gauge, Add	2.82	
	For 22 Gauge, Add	6.49	
	For 20 Gauge, Add	10.58	
	For 18 Gauge, Add	16.23	
	For 16 Gauge, Add	19.75	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.44	
	For Work In Restricted Working Space, Add	5.09	
23 31 13 16-0081	LF 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	37.56	4.24
	For Seal Class B, Add	3.18	
	For Seal Class A, Add	8.48	
	For Up To 20', Add	4.91	
	For >20' To 50', Add	1.96	
	For >200' To 500', Deduct	-1.23	
	For >500', Deduct	-2.04	
	For 24 Gauge, Add	3.27	
	For 22 Gauge, Add	7.52	
	For 20 Gauge, Add	12.26	
	For 18 Gauge, Add	18.80	
	For 16 Gauge, Add	22.89	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.10	
	For Work In Restricted Working Space, Add	6.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0082 LF 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	52.00	4.24
For Seal Class B, Add	4.24	
For Seal Class A, Add	11.30	
For Up To 20', Add	7.13	
For >20' To 50', Add	2.85	
For >200' To 500', Deduct	-1.78	
For >500', Deduct	-2.97	
For 24 Gauge, Add	4.75	
For 22 Gauge, Add	10.93	
For 20 Gauge, Add	17.81	
For 18 Gauge, Add	27.31	
For 16 Gauge, Add	33.25	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.58	
For Work In Restricted Working Space, Add	8.48	
23 31 13 16-0083 LF 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	59.26	5.65
For Seal Class B, Add	4.94	
For Seal Class A, Add	13.17	
For Up To 20', Add	7.90	
For >20' To 50', Add	3.16	
For >200' To 500', Deduct	-1.97	
For >500', Deduct	-3.29	
For 24 Gauge, Add	5.27	
For 22 Gauge, Add	12.11	
For 20 Gauge, Add	19.75	
For 18 Gauge, Add	30.28	
For 16 Gauge, Add	36.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.48	
For Work In Restricted Working Space, Add	9.88	
23 31 13 16-0084 LF 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	66.76	5.65
For Seal Class B, Add	5.61	
For Seal Class A, Add	14.96	
For Up To 20', Add	8.81	
For >20' To 50', Add	3.52	
For >200' To 500', Deduct	-2.20	
For >500', Deduct	-3.67	
For 24 Gauge, Add	5.87	
For 22 Gauge, Add	13.51	
For 20 Gauge, Add	22.03	
For 18 Gauge, Add	33.78	
For 16 Gauge, Add	41.12	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.73	
For Work In Restricted Working Space, Add	11.22	
23 31 13 16-0085 LF 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	74.58	7.07
For Seal Class B, Add	6.32	
For Seal Class A, Add	16.84	
For Up To 20', Add	9.74	
For >20' To 50', Add	3.90	
For >200' To 500', Deduct	-2.44	
For >500', Deduct	-4.06	
For 24 Gauge, Add	6.49	
For 22 Gauge, Add	14.94	
For 20 Gauge, Add	24.35	
For 18 Gauge, Add	37.34	
For 16 Gauge, Add	45.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.03	
For Work In Restricted Working Space, Add	12.63	
23 31 13 16-0086 LF 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	82.41	8.49
For Seal Class B, Add	7.07	
For Seal Class A, Add	18.85	
For Up To 20', Add	10.58	
For >20' To 50', Add	4.23	
For >200' To 500', Deduct	-2.65	
For >500', Deduct	-4.41	
For 24 Gauge, Add	7.06	
For 22 Gauge, Add	16.23	
For 20 Gauge, Add	26.46	
For 18 Gauge, Add	40.57	
For 16 Gauge, Add	49.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.11	
For Work In Restricted Working Space, Add	14.14	
23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows <small>(23 31 13 16-0074)</small>		
23 31 13 16-0088 EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	89.47	19.80
For Seal Class B, Add	11.47	
For Seal Class A, Add	30.58	
For 24 Gauge, Add	2.60	
For 22 Gauge, Add	5.99	
For 20 Gauge, Add	9.77	
For 18 Gauge, Add	14.97	
For 16 Gauge, Add	18.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.63	
For Work In Restricted Working Space, Add	22.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0089 EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	131.62	28.28
For Seal Class B, Add	16.97	
For Seal Class A, Add	45.25	
For 24 Gauge, Add	3.70	
For 22 Gauge, Add	8.51	
For 20 Gauge, Add	13.87	
For 18 Gauge, Add	21.26	
For 16 Gauge, Add	25.89	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.68	
For Work In Restricted Working Space, Add	33.94	
23 31 13 16-0090 EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	184.12	36.77
For Seal Class B, Add	22.33	
For Seal Class A, Add	59.54	
For 24 Gauge, Add	7.05	
For 22 Gauge, Add	16.22	
For 20 Gauge, Add	26.45	
For 18 Gauge, Add	40.55	
For 16 Gauge, Add	49.36	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.09	
For Work In Restricted Working Space, Add	44.66	
23 31 13 16-0091 EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	230.06	46.67
For Seal Class B, Add	28.28	
For Seal Class A, Add	75.42	
For 24 Gauge, Add	8.30	
For 22 Gauge, Add	19.09	
For 20 Gauge, Add	31.13	
For 18 Gauge, Add	47.74	
For 16 Gauge, Add	58.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.72	
For Work In Restricted Working Space, Add	56.57	
23 31 13 16-0092 EA 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	284.43	59.40
For Seal Class B, Add	35.35	
For Seal Class A, Add	94.28	
For 24 Gauge, Add	9.75	
For 22 Gauge, Add	22.42	
For 20 Gauge, Add	36.56	
For 18 Gauge, Add	56.05	
For 16 Gauge, Add	68.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.07	
For Work In Restricted Working Space, Add	70.71	
23 31 13 16-0093 EA 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	311.37	65.05
For Seal Class B, Add	38.57	
For Seal Class A, Add	102.84	
For 24 Gauge, Add	10.85	
For 22 Gauge, Add	24.96	
For 20 Gauge, Add	40.70	
For 18 Gauge, Add	62.40	
For 16 Gauge, Add	75.96	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.15	
For Work In Restricted Working Space, Add	77.13	
23 31 13 16-0094 EA 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	367.62	76.36
For Seal Class B, Add	45.62	
For Seal Class A, Add	121.65	
For 24 Gauge, Add	12.70	
For 22 Gauge, Add	29.21	
For 20 Gauge, Add	47.63	
For 18 Gauge, Add	73.03	
For 16 Gauge, Add	88.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.99	
For Work In Restricted Working Space, Add	91.24	
23 31 13 16-0095 EA 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	450.18	94.75
For Seal Class B, Add	56.57	
For Seal Class A, Add	150.84	
For 24 Gauge, Add	14.61	
For 22 Gauge, Add	33.61	
For 20 Gauge, Add	54.80	
For 18 Gauge, Add	84.03	
For 16 Gauge, Add	102.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.07	
For Work In Restricted Working Space, Add	113.13	
23 31 13 16-0096 EA 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	542.43	114.54
For Seal Class B, Add	68.43	
For Seal Class A, Add	182.47	
For 24 Gauge, Add	17.25	
For 22 Gauge, Add	39.68	
For 20 Gauge, Add	64.69	
For 18 Gauge, Add	99.19	
For 16 Gauge, Add	120.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	63.83	
For Work In Restricted Working Space, Add	136.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0097 EA 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	631.53	132.93
For Seal Class B, Add	80.05	
For Seal Class A, Add	213.46	
For 24 Gauge, Add	19.58	
For 22 Gauge, Add	45.03	
For 20 Gauge, Add	73.42	
For 18 Gauge, Add	112.57	
For 16 Gauge, Add	137.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	72.44	
For Work In Restricted Working Space, Add	160.09	
23 31 13 16-0098 EA 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	722.58	151.31
For Seal Class B, Add	90.27	
For Seal Class A, Add	240.71	
For 24 Gauge, Add	24.16	
For 22 Gauge, Add	55.57	
For 20 Gauge, Add	90.61	
For 18 Gauge, Add	138.93	
For 16 Gauge, Add	169.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	89.40	
For Work In Restricted Working Space, Add	180.53	
23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows <small>(23 31 13 16-0074)</small>		
23 31 13 16-0100 EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	90.08	19.80
For Seal Class B, Add	11.47	
For Seal Class A, Add	30.58	
For 24 Gauge, Add	2.73	
For 22 Gauge, Add	6.27	
For 20 Gauge, Add	10.22	
For 18 Gauge, Add	15.67	
For 16 Gauge, Add	19.08	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.09	
For Work In Restricted Working Space, Add	22.94	
23 31 13 16-0101 EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	128.45	28.28
For Seal Class B, Add	16.97	
For Seal Class A, Add	45.25	
For 24 Gauge, Add	3.06	
For 22 Gauge, Add	7.05	
For 20 Gauge, Add	11.49	
For 18 Gauge, Add	17.62	
For 16 Gauge, Add	21.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.34	
For Work In Restricted Working Space, Add	33.94	
23 31 13 16-0102 EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	169.40	36.77
For Seal Class B, Add	22.33	
For Seal Class A, Add	59.54	
For 24 Gauge, Add	4.11	
For 22 Gauge, Add	9.45	
For 20 Gauge, Add	15.41	
For 18 Gauge, Add	23.62	
For 16 Gauge, Add	28.76	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.20	
For Work In Restricted Working Space, Add	44.66	
23 31 13 16-0103 EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	214.22	46.67
For Seal Class B, Add	28.28	
For Seal Class A, Add	75.42	
For 24 Gauge, Add	5.13	
For 22 Gauge, Add	11.81	
For 20 Gauge, Add	19.25	
For 18 Gauge, Add	29.52	
For 16 Gauge, Add	35.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.00	
For Work In Restricted Working Space, Add	56.57	
23 31 13 16-0104 EA 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	265.52	59.40
For Seal Class B, Add	35.35	
For Seal Class A, Add	94.28	
For 24 Gauge, Add	5.97	
For 22 Gauge, Add	13.72	
For 20 Gauge, Add	22.37	
For 18 Gauge, Add	34.30	
For 16 Gauge, Add	41.76	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.07	
For Work In Restricted Working Space, Add	70.71	
23 31 13 16-0105 EA 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	290.27	65.05
For Seal Class B, Add	38.57	
For Seal Class A, Add	102.84	
For 24 Gauge, Add	6.63	
For 22 Gauge, Add	15.25	
For 20 Gauge, Add	24.87	
For 18 Gauge, Add	38.13	
For 16 Gauge, Add	46.42	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.54	
For Work In Restricted Working Space, Add	77.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0106 EA 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	358.49	76.36
For Seal Class B, Add	45.62	
For Seal Class A, Add	121.65	
For 24 Gauge, Add	10.87	
For 22 Gauge, Add	25.01	
For 20 Gauge, Add	40.78	
For 18 Gauge, Add	62.53	
For 16 Gauge, Add	76.12	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.23	
For Work In Restricted Working Space, Add	91.24	
23 31 13 16-0107 EA 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	443.71	94.75
For Seal Class B, Add	56.57	
For Seal Class A, Add	150.84	
For 24 Gauge, Add	13.32	
For 22 Gauge, Add	30.64	
For 20 Gauge, Add	49.95	
For 18 Gauge, Add	76.59	
For 16 Gauge, Add	93.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	49.28	
For Work In Restricted Working Space, Add	113.13	
23 31 13 16-0108 EA 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	540.45	114.54
For Seal Class B, Add	68.43	
For Seal Class A, Add	182.47	
For 24 Gauge, Add	16.85	
For 22 Gauge, Add	38.76	
For 20 Gauge, Add	63.20	
For 18 Gauge, Add	96.91	
For 16 Gauge, Add	117.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	62.36	
For Work In Restricted Working Space, Add	136.85	
23 31 13 16-0109 EA 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	609.08	132.93
For Seal Class B, Add	80.05	
For Seal Class A, Add	213.46	
For 24 Gauge, Add	15.09	
For 22 Gauge, Add	34.70	
For 20 Gauge, Add	56.58	
For 18 Gauge, Add	86.76	
For 16 Gauge, Add	105.62	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	55.83	
For Work In Restricted Working Space, Add	160.09	
23 31 13 16-0110 EA 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	714.58	151.31
For Seal Class B, Add	90.27	
For Seal Class A, Add	240.71	
For 24 Gauge, Add	22.56	
For 22 Gauge, Add	51.89	
For 20 Gauge, Add	84.61	
For 18 Gauge, Add	129.73	
For 16 Gauge, Add	157.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	83.48	
For Work In Restricted Working Space, Add	180.53	
23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)		
23 31 13 16-0112 EA 6" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	178.16	36.77
For Seal Class B, Add	22.33	
For Seal Class A, Add	59.54	
For 24 Gauge, Add	5.86	
For 22 Gauge, Add	13.48	
For 20 Gauge, Add	21.98	
For 18 Gauge, Add	33.70	
For 16 Gauge, Add	41.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.68	
For Work In Restricted Working Space, Add	44.66	
23 31 13 16-0113 EA 8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	266.41	59.40
For Seal Class B, Add	35.35	
For Seal Class A, Add	94.28	
For 24 Gauge, Add	6.14	
For 22 Gauge, Add	14.13	
For 20 Gauge, Add	23.04	
For 18 Gauge, Add	35.33	
For 16 Gauge, Add	43.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.73	
For Work In Restricted Working Space, Add	70.71	
23 31 13 16-0114 EA 10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	337.85	76.36
For Seal Class B, Add	45.62	
For Seal Class A, Add	121.65	
For 24 Gauge, Add	6.75	
For 22 Gauge, Add	15.52	
For 20 Gauge, Add	25.30	
For 18 Gauge, Add	38.79	
For 16 Gauge, Add	47.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.96	
For Work In Restricted Working Space, Add	91.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0115 EA 12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	412.34	94.75
For Seal Class B, Add	56.57	
For Seal Class A, Add	150.84	
For 24 Gauge, Add	7.05	
For 22 Gauge, Add	16.21	
For 20 Gauge, Add	26.42	
For 18 Gauge, Add	40.51	
For 16 Gauge, Add	49.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.07	
For Work In Restricted Working Space, Add	113.13	
23 31 13 16-0116 EA 14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	492.57	114.54
For Seal Class B, Add	68.43	
For Seal Class A, Add	182.47	
For 24 Gauge, Add	7.28	
For 22 Gauge, Add	16.74	
For 20 Gauge, Add	27.29	
For 18 Gauge, Add	41.85	
For 16 Gauge, Add	50.95	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.93	
For Work In Restricted Working Space, Add	136.85	
23 31 13 16-0117 EA 16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	573.21	132.93
For Seal Class B, Add	80.05	
For Seal Class A, Add	213.46	
For 24 Gauge, Add	7.91	
For 22 Gauge, Add	18.20	
For 20 Gauge, Add	29.68	
For 18 Gauge, Add	45.51	
For 16 Gauge, Add	55.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.28	
For Work In Restricted Working Space, Add	160.09	
23 31 13 16-0118 EA 18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	642.94	151.31
For Seal Class B, Add	90.27	
For Seal Class A, Add	240.71	
For 24 Gauge, Add	8.23	
For 22 Gauge, Add	18.94	
For 20 Gauge, Add	30.88	
For 18 Gauge, Add	47.35	
For 16 Gauge, Add	57.64	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.47	
For Work In Restricted Working Space, Add	180.53	
23 31 13 16-0119 EA 20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	732.50	172.52
For Seal Class B, Add	103.47	
For Seal Class A, Add	275.93	
For 24 Gauge, Add	8.53	
For 22 Gauge, Add	19.63	
For 20 Gauge, Add	32.00	
For 18 Gauge, Add	49.07	
For 16 Gauge, Add	59.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.58	
For Work In Restricted Working Space, Add	206.95	
23 31 13 16-0120 EA 22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	815.75	190.91
For Seal Class B, Add	114.66	
For Seal Class A, Add	305.76	
For 24 Gauge, Add	10.27	
For 22 Gauge, Add	23.62	
For 20 Gauge, Add	38.51	
For 18 Gauge, Add	59.05	
For 16 Gauge, Add	71.89	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.00	
For Work In Restricted Working Space, Add	229.32	
23 31 13 16-0121 EA 24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	884.89	207.88
For Seal Class B, Add	124.78	
For Seal Class A, Add	332.74	
For 24 Gauge, Add	10.61	
For 22 Gauge, Add	24.39	
For 20 Gauge, Add	39.77	
For 18 Gauge, Add	60.98	
For 16 Gauge, Add	74.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.24	
For Work In Restricted Working Space, Add	249.56	
23 31 13 16-0122 EA 8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	282.18	64.06
For Seal Class B, Add	38.46	
For Seal Class A, Add	102.55	
For 24 Gauge, Add	5.16	
For 22 Gauge, Add	11.87	
For 20 Gauge, Add	19.36	
For 18 Gauge, Add	29.68	
For 16 Gauge, Add	36.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.10	
For Work In Restricted Working Space, Add	76.91	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0123 EA 10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	340.81	77.07
For Seal Class B, Add	46.23	
For Seal Class A, Add	123.29	
For 24 Gauge, Add	6.52	
For 22 Gauge, Add	14.99	
For 20 Gauge, Add	24.44	
For 18 Gauge, Add	37.48	
For 16 Gauge, Add	45.63	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.12	
For Work In Restricted Working Space, Add	92.47	
23 31 13 16-0124 EA 12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	414.07	93.61
For Seal Class B, Add	56.18	
For Seal Class A, Add	149.80	
For 24 Gauge, Add	7.91	
For 22 Gauge, Add	18.20	
For 20 Gauge, Add	29.67	
For 18 Gauge, Add	45.49	
For 16 Gauge, Add	55.38	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.27	
For Work In Restricted Working Space, Add	112.35	
23 31 13 16-0125 EA 14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	492.92	111.29
For Seal Class B, Add	66.87	
For Seal Class A, Add	178.33	
For 24 Gauge, Add	9.42	
For 22 Gauge, Add	21.67	
For 20 Gauge, Add	35.33	
For 18 Gauge, Add	54.17	
For 16 Gauge, Add	65.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.85	
For Work In Restricted Working Space, Add	133.75	
23 31 13 16-0126 EA 16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	626.67	143.11
For Seal Class B, Add	85.81	
For Seal Class A, Add	228.83	
For 24 Gauge, Add	10.92	
For 22 Gauge, Add	25.12	
For 20 Gauge, Add	40.95	
For 18 Gauge, Add	62.79	
For 16 Gauge, Add	76.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.40	
For Work In Restricted Working Space, Add	171.62	
23 31 13 16-0127 EA 18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	695.89	158.80
For Seal Class B, Add	95.21	
For Seal Class A, Add	253.88	
For 24 Gauge, Add	12.24	
For 22 Gauge, Add	28.14	
For 20 Gauge, Add	45.89	
For 18 Gauge, Add	70.36	
For 16 Gauge, Add	85.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.27	
For Work In Restricted Working Space, Add	190.41	
23 31 13 16-0128 EA 20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	791.15	180.73
For Seal Class B, Add	108.23	
For Seal Class A, Add	288.60	
For 24 Gauge, Add	13.93	
For 22 Gauge, Add	32.03	
For 20 Gauge, Add	52.23	
For 18 Gauge, Add	80.09	
For 16 Gauge, Add	97.50	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	51.53	
For Work In Restricted Working Space, Add	216.45	
23 31 13 16-0129 EA 22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	847.85	192.75
For Seal Class B, Add	115.53	
For Seal Class A, Add	308.09	
For 24 Gauge, Add	15.52	
For 22 Gauge, Add	35.71	
For 20 Gauge, Add	58.22	
For 18 Gauge, Add	89.26	
For 16 Gauge, Add	108.67	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	57.44	
For Work In Restricted Working Space, Add	231.07	
23 31 13 16-0130 EA 24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	919.90	209.01
For Seal Class B, Add	125.37	
For Seal Class A, Add	334.32	
For 24 Gauge, Add	16.82	
For 22 Gauge, Add	38.69	
For 20 Gauge, Add	63.08	
For 18 Gauge, Add	96.73	
For 16 Gauge, Add	117.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	62.24	
For Work In Restricted Working Space, Add	250.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0131 EA 10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	373.28	84.85
For Seal Class B, Add	50.84	
For Seal Class A, Add	135.58	
For 24 Gauge, Add	6.86	
For 22 Gauge, Add	15.79	
For 20 Gauge, Add	25.74	
For 18 Gauge, Add	39.47	
For 16 Gauge, Add	48.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.40	
For Work In Restricted Working Space, Add	101.69	
23 31 13 16-0132 EA 12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	453.67	103.24
For Seal Class B, Add	61.81	
For Seal Class A, Add	164.82	
For 24 Gauge, Add	8.32	
For 22 Gauge, Add	19.15	
For 20 Gauge, Add	31.22	
For 18 Gauge, Add	47.86	
For 16 Gauge, Add	58.27	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.80	
For Work In Restricted Working Space, Add	123.62	
23 31 13 16-0133 EA 14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	539.94	122.33
For Seal Class B, Add	73.55	
For Seal Class A, Add	196.14	
For 24 Gauge, Add	9.92	
For 22 Gauge, Add	22.82	
For 20 Gauge, Add	37.20	
For 18 Gauge, Add	57.04	
For 16 Gauge, Add	69.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.70	
For Work In Restricted Working Space, Add	147.10	
23 31 13 16-0134 EA 16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	626.78	142.54
For Seal Class B, Add	85.40	
For Seal Class A, Add	227.72	
For 24 Gauge, Add	11.50	
For 22 Gauge, Add	26.44	
For 20 Gauge, Add	43.11	
For 18 Gauge, Add	66.10	
For 16 Gauge, Add	80.47	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.54	
For Work In Restricted Working Space, Add	170.79	
23 31 13 16-0135 EA 18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	701.42	159.38
For Seal Class B, Add	95.55	
For Seal Class A, Add	254.80	
For 24 Gauge, Add	12.88	
For 22 Gauge, Add	29.63	
For 20 Gauge, Add	48.31	
For 18 Gauge, Add	74.07	
For 16 Gauge, Add	90.17	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.66	
For Work In Restricted Working Space, Add	191.10	
23 31 13 16-0136 EA 20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	797.76	181.29
For Seal Class B, Add	108.67	
For Seal Class A, Add	289.78	
For 24 Gauge, Add	14.66	
For 22 Gauge, Add	33.72	
For 20 Gauge, Add	54.98	
For 18 Gauge, Add	84.30	
For 16 Gauge, Add	102.62	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.24	
For Work In Restricted Working Space, Add	217.34	
23 31 13 16-0137 EA 22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	890.72	202.22
For Seal Class B, Add	121.35	
For Seal Class A, Add	323.60	
For 24 Gauge, Add	16.34	
For 22 Gauge, Add	37.59	
For 20 Gauge, Add	61.28	
For 18 Gauge, Add	93.97	
For 16 Gauge, Add	114.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	60.47	
For Work In Restricted Working Space, Add	242.70	
23 31 13 16-0138 EA 24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	965.79	219.48
For Seal Class B, Add	131.59	
For Seal Class A, Add	350.90	
For 24 Gauge, Add	17.71	
For 22 Gauge, Add	40.72	
For 20 Gauge, Add	66.40	
For 18 Gauge, Add	101.81	
For 16 Gauge, Add	123.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	65.51	
For Work In Restricted Working Space, Add	263.18	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0074)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0140 EA 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	123.66	28.28
For Seal Class B, Add	16.97	
For Seal Class A, Add	45.25	
For 24 Gauge, Add	2.11	
For 22 Gauge, Add	4.84	
For 20 Gauge, Add	7.90	
For 18 Gauge, Add	12.11	
For 16 Gauge, Add	14.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.79	
For Work In Restricted Working Space, Add	33.94	
23 31 13 16-0141 EA 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	160.46	36.77
For Seal Class B, Add	22.33	
For Seal Class A, Add	59.54	
For 24 Gauge, Add	2.32	
For 22 Gauge, Add	5.34	
For 20 Gauge, Add	8.70	
For 18 Gauge, Add	13.34	
For 16 Gauge, Add	16.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.58	
For Work In Restricted Working Space, Add	44.66	
23 31 13 16-0142 EA 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	201.39	46.67
For Seal Class B, Add	28.28	
For Seal Class A, Add	75.42	
For 24 Gauge, Add	2.57	
For 22 Gauge, Add	5.91	
For 20 Gauge, Add	9.63	
For 18 Gauge, Add	14.77	
For 16 Gauge, Add	17.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.50	
For Work In Restricted Working Space, Add	56.57	
23 31 13 16-0143 EA 12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	249.77	59.40
For Seal Class B, Add	35.35	
For Seal Class A, Add	94.28	
For 24 Gauge, Add	2.82	
For 22 Gauge, Add	6.48	
For 20 Gauge, Add	10.56	
For 18 Gauge, Add	16.19	
For 16 Gauge, Add	19.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.42	
For Work In Restricted Working Space, Add	70.71	
23 31 13 16-0144 EA 14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	272.78	65.05
For Seal Class B, Add	38.57	
For Seal Class A, Add	102.84	
For 24 Gauge, Add	3.13	
For 22 Gauge, Add	7.21	
For 20 Gauge, Add	11.75	
For 18 Gauge, Add	18.02	
For 16 Gauge, Add	21.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.60	
For Work In Restricted Working Space, Add	77.13	
23 31 13 16-0145 EA 16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	331.21	76.36
For Seal Class B, Add	45.62	
For Seal Class A, Add	121.65	
For 24 Gauge, Add	5.42	
For 22 Gauge, Add	12.46	
For 20 Gauge, Add	20.32	
For 18 Gauge, Add	31.15	
For 16 Gauge, Add	37.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.05	
For Work In Restricted Working Space, Add	91.24	
23 31 13 16-0146 EA 18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	406.06	94.75
For Seal Class B, Add	56.57	
For Seal Class A, Add	150.84	
For 24 Gauge, Add	5.79	
For 22 Gauge, Add	13.32	
For 20 Gauge, Add	21.71	
For 18 Gauge, Add	33.29	
For 16 Gauge, Add	40.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.42	
For Work In Restricted Working Space, Add	113.13	
23 31 13 16-0147 EA 20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	487.08	114.54
For Seal Class B, Add	68.43	
For Seal Class A, Add	182.47	
For 24 Gauge, Add	6.18	
For 22 Gauge, Add	14.21	
For 20 Gauge, Add	23.18	
For 18 Gauge, Add	35.54	
For 16 Gauge, Add	43.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.87	
For Work In Restricted Working Space, Add	136.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0148 EA 22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	566.48	132.93
For Seal Class B, Add	80.05	
For Seal Class A, Add	213.46	
For 24 Gauge, Add	6.57	
For 22 Gauge, Add	15.11	
For 20 Gauge, Add	24.63	
For 18 Gauge, Add	37.77	
For 16 Gauge, Add	45.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.30	
For Work In Restricted Working Space, Add	160.09	
23 31 13 16-0149 EA 24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	636.38	151.31
For Seal Class B, Add	90.27	
For Seal Class A, Add	240.71	
For 24 Gauge, Add	6.92	
For 22 Gauge, Add	15.92	
For 20 Gauge, Add	25.96	
For 18 Gauge, Add	39.80	
For 16 Gauge, Add	48.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.61	
For Work In Restricted Working Space, Add	180.53	
23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings <small>(23 31 13 16-0074)</small>		
23 31 13 16-0151 EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	81.43	19.80
For Seal Class B, Add	11.47	
For Seal Class A, Add	30.58	
For 24 Gauge, Add	1.00	
For 22 Gauge, Add	2.29	
For 20 Gauge, Add	3.74	
For 18 Gauge, Add	5.73	
For 16 Gauge, Add	6.97	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.69	
For Work In Restricted Working Space, Add	22.94	
23 31 13 16-0152 EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	118.80	28.28
For Seal Class B, Add	16.97	
For Seal Class A, Add	45.25	
For 24 Gauge, Add	1.13	
For 22 Gauge, Add	2.61	
For 20 Gauge, Add	4.25	
For 18 Gauge, Add	6.52	
For 16 Gauge, Add	7.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
For Work In Restricted Working Space, Add	33.94	
23 31 13 16-0153 EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	154.97	36.77
For Seal Class B, Add	22.33	
For Seal Class A, Add	59.54	
For 24 Gauge, Add	1.22	
For 22 Gauge, Add	2.81	
For 20 Gauge, Add	4.58	
For 18 Gauge, Add	7.03	
For 16 Gauge, Add	8.55	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.52	
For Work In Restricted Working Space, Add	44.66	
23 31 13 16-0154 EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	195.10	46.67
For Seal Class B, Add	28.28	
For Seal Class A, Add	75.42	
For 24 Gauge, Add	1.31	
For 22 Gauge, Add	3.01	
For 20 Gauge, Add	4.91	
For 18 Gauge, Add	7.53	
For 16 Gauge, Add	9.17	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.85	
For Work In Restricted Working Space, Add	56.57	
23 31 13 16-0155 EA 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	242.68	59.40
For Seal Class B, Add	35.35	
For Seal Class A, Add	94.28	
For 24 Gauge, Add	1.40	
For 22 Gauge, Add	3.22	
For 20 Gauge, Add	5.24	
For 18 Gauge, Add	8.04	
For 16 Gauge, Add	9.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.17	
For Work In Restricted Working Space, Add	70.71	
23 31 13 16-0156 EA 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	264.55	65.05
For Seal Class B, Add	38.57	
For Seal Class A, Add	102.84	
For 24 Gauge, Add	1.49	
For 22 Gauge, Add	3.42	
For 20 Gauge, Add	5.58	
For 18 Gauge, Add	8.56	
For 16 Gauge, Add	10.42	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.51	
For Work In Restricted Working Space, Add	77.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0157 EA 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	312.35	76.36
For Seal Class B, Add	45.62	
For Seal Class A, Add	121.65	
For 24 Gauge, Add	1.65	
For 22 Gauge, Add	3.79	
For 20 Gauge, Add	6.17	
For 18 Gauge, Add	9.46	
For 16 Gauge, Add	11.52	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.09	
For Work In Restricted Working Space, Add	91.24	
23 31 13 16-0158 EA 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	385.79	94.75
For Seal Class B, Add	56.57	
For Seal Class A, Add	150.84	
For 24 Gauge, Add	1.74	
For 22 Gauge, Add	3.99	
For 20 Gauge, Add	6.51	
For 18 Gauge, Add	9.98	
For 16 Gauge, Add	12.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.42	
For Work In Restricted Working Space, Add	113.13	
23 31 13 16-0159 EA 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	465.39	114.54
For Seal Class B, Add	68.43	
For Seal Class A, Add	182.47	
For 24 Gauge, Add	1.84	
For 22 Gauge, Add	4.24	
For 20 Gauge, Add	6.91	
For 18 Gauge, Add	10.59	
For 16 Gauge, Add	12.89	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.82	
For Work In Restricted Working Space, Add	136.85	
23 31 13 16-0160 EA 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	543.20	267.27
For Seal Class B, Add	80.05	
For Seal Class A, Add	213.46	
For 24 Gauge, Add	1.91	
For 22 Gauge, Add	4.40	
For 20 Gauge, Add	7.17	
For 18 Gauge, Add	10.99	
For 16 Gauge, Add	13.38	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.07	
For Work In Restricted Working Space, Add	160.09	
23 31 13 16-0161 EA 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	611.86	301.21
For Seal Class B, Add	90.27	
For Seal Class A, Add	240.71	
For 24 Gauge, Add	2.02	
For 22 Gauge, Add	4.64	
For 20 Gauge, Add	7.57	
For 18 Gauge, Add	11.60	
For 16 Gauge, Add	14.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.47	
For Work In Restricted Working Space, Add	180.53	
23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0074)		
23 31 13 16-0163 EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	44.06	19.80
For Seal Class B, Add	5.73	
For Seal Class A, Add	15.29	
For 24 Gauge, Add	1.17	
For 22 Gauge, Add	2.69	
For 20 Gauge, Add	4.38	
For 18 Gauge, Add	6.72	
For 16 Gauge, Add	8.18	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.32	
For Work In Restricted Working Space, Add	11.47	
23 31 13 16-0164 EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	63.11	28.28
For Seal Class B, Add	8.48	
For Seal Class A, Add	22.62	
For 24 Gauge, Add	1.31	
For 22 Gauge, Add	3.01	
For 20 Gauge, Add	4.91	
For 18 Gauge, Add	7.53	
For 16 Gauge, Add	9.17	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.85	
For Work In Restricted Working Space, Add	16.97	
23 31 13 16-0165 EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	81.60	38.18
For Seal Class B, Add	11.16	
For Seal Class A, Add	29.77	
For 24 Gauge, Add	1.43	
For 22 Gauge, Add	3.30	
For 20 Gauge, Add	5.38	
For 18 Gauge, Add	8.25	
For 16 Gauge, Add	10.04	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.31	
For Work In Restricted Working Space, Add	22.33	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
HVAC Ducts and Casings	23 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0166 EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	102.25	48.08
For Seal Class B, Add	14.14	
For Seal Class A, Add	37.71	
For 24 Gauge, Add	1.59	
For 22 Gauge, Add	3.67	
For 20 Gauge, Add	5.98	
For 18 Gauge, Add	9.17	
For 16 Gauge, Add	11.16	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.90	
For Work In Restricted Working Space, Add	28.28	
23 31 13 16-0167 EA 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	126.69	59.40
For Seal Class B, Add	17.68	
For Seal Class A, Add	47.14	
For 24 Gauge, Add	1.77	
For 22 Gauge, Add	4.07	
For 20 Gauge, Add	6.64	
For 18 Gauge, Add	10.18	
For 16 Gauge, Add	12.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.55	
For Work In Restricted Working Space, Add	35.35	
23 31 13 16-0168 EA 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	138.30	65.05
For Seal Class B, Add	19.28	
For Seal Class A, Add	51.42	
For 24 Gauge, Add	1.95	
For 22 Gauge, Add	4.48	
For 20 Gauge, Add	7.31	
For 18 Gauge, Add	11.20	
For 16 Gauge, Add	13.64	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.21	
For Work In Restricted Working Space, Add	38.57	
23 31 13 16-0169 EA 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	160.10	74.95
For Seal Class B, Add	22.33	
For Seal Class A, Add	59.54	
For 24 Gauge, Add	2.25	
For 22 Gauge, Add	5.17	
For 20 Gauge, Add	8.43	
For 18 Gauge, Add	12.93	
For 16 Gauge, Add	15.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.32	
For Work In Restricted Working Space, Add	44.66	
23 31 13 16-0170 EA 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	226.44	94.75
For Seal Class B, Add	28.28	
For Seal Class A, Add	75.42	
For 24 Gauge, Add	7.58	
For 22 Gauge, Add	17.43	
For 20 Gauge, Add	28.42	
For 18 Gauge, Add	43.57	
For 16 Gauge, Add	53.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.04	
For Work In Restricted Working Space, Add	56.57	
23 31 13 16-0171 EA 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	276.77	117.38
For Seal Class B, Add	35.35	
For Seal Class A, Add	94.28	
For 24 Gauge, Add	8.22	
For 22 Gauge, Add	18.90	
For 20 Gauge, Add	30.81	
For 18 Gauge, Add	47.24	
For 16 Gauge, Add	57.51	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.40	
For Work In Restricted Working Space, Add	70.71	
23 31 13 16-0172 EA 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	301.37	128.68
For Seal Class B, Add	38.57	
For Seal Class A, Add	102.84	
For 24 Gauge, Add	8.85	
For 22 Gauge, Add	20.36	
For 20 Gauge, Add	33.20	
For 18 Gauge, Add	50.90	
For 16 Gauge, Add	61.96	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.75	
For Work In Restricted Working Space, Add	77.13	
23 31 13 16-0173 EA 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	348.42	149.90
For Seal Class B, Add	45.13	
For Seal Class A, Add	120.35	
For 24 Gauge, Add	9.51	
For 22 Gauge, Add	21.87	
For 20 Gauge, Add	35.66	
For 18 Gauge, Add	54.67	
For 16 Gauge, Add	66.56	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.18	
For Work In Restricted Working Space, Add	90.26	

23 31 13 19 Metal Duct Fittings (23 31 13)

23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor.....	49.71	40.07
For Work In Restricted Working Space, Add	14.65	
For Elevated Installation >10' To 15', Add	4.88	
For Elevated Installation >15' To 20', Add	9.77	
For Elevated Installation >20' To 25', Add	12.21	
For Elevated Installation >25' To 30', Add	17.09	
For Elevated Installation >30' To 35', Add	19.53	
For Elevated Installation >35' To 40', Add	24.42	
For Elevated Installation >40', Add	26.86	
23 31 13 19-0003 Duct Register Boots (23 31 13 19)		
23 31 13 19-0004 EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	46.79	19.17
For Stainless Steel, Add	10.97	
23 31 13 19-0005 EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	46.79	19.17
For Stainless Steel, Add	10.97	
23 31 13 19-0006 EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	50.03	20.71
For Stainless Steel, Add	11.21	
23 31 13 19-0007 EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	50.03	20.71
For Stainless Steel, Add	11.21	
23 31 13 19-0008 EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	52.11	20.71
For Stainless Steel, Add	13.91	
23 31 13 19-0009 EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	54.15	22.24
For Stainless Steel, Add	12.56	
23 31 13 19-0010 EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	54.15	22.24
For Stainless Steel, Add	12.56	
23 31 13 19-0011 EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	55.44	22.24
For Stainless Steel, Add	14.24	
23 31 13 19-0012 EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	55.15	23.78
For Stainless Steel, Add	9.87	
23 31 13 19-0013 EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	58.44	25.31
For Stainless Steel, Add	10.17	
23 31 13 19-0014 EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	63.74	25.31
For Stainless Steel, Add	17.06	
23 31 13 19-0015 EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	61.98	26.85
For Stainless Steel, Add	10.78	
23 31 13 19-0016 EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	67.17	26.85
For Stainless Steel, Add	17.52	
23 31 13 19-0017 EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	48.78	20.71
For Stainless Steel, Add	9.58	
23 31 13 19-0018 EA 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	48.78	20.71
For Stainless Steel, Add	9.58	
23 31 13 19-0019 EA 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	52.70	22.24
For Stainless Steel, Add	10.67	
23 31 13 19-0020 EA 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	53.94	22.24
For Stainless Steel, Add	12.29	
23 31 13 19-0021 EA 10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	55.32	23.78
For Stainless Steel, Add	10.09	
23 31 13 19-0022 EA 12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	58.59	25.31
For Stainless Steel, Add	10.36	
23 31 13 19-0023 EA 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	49.62	20.71
For Stainless Steel, Add	10.67	
23 31 13 19-0024 EA 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	53.21	22.24
For Stainless Steel, Add	11.34	
23 31 13 19-0025 EA 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	46.79	19.17
For Stainless Steel, Add	10.97	
23 31 13 19-0026 EA 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	50.03	20.71
For Stainless Steel, Add	11.21	
23 31 13 19-0027 EA 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	54.15	22.24
For Stainless Steel, Add	12.56	
23 31 13 19-0028 EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	54.15	22.24
For Stainless Steel, Add	12.56	
23 31 13 19-0029 EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	55.15	23.78
For Stainless Steel, Add	9.87	
23 31 13 19-0030 EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	58.44	25.31
For Stainless Steel, Add	10.17	
23 31 13 19-0031 EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	63.74	25.31
For Stainless Steel, Add	17.06	
23 31 13 19-0032 EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	66.81	26.85
For Stainless Steel, Add	17.06	
23 31 13 23 Galvanized Steel Welded Duct (23 31 13)		
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
Note: Also includes special exhaust systems and waste.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 23-0003 LB Galvanized Steel Welded Duct..... <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	27.93 2.65 7.31 2.44 4.87 6.09 8.52 9.74 12.18 13.39	12.14
23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)		
23 31 13 23-0005 LB Black Steel Ductwork..... <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	25.84 0.59 7.51 2.50 5.01 6.26 8.76 10.02 12.52 13.77	12.53
23 31 16 Non-metal Ducts (23 31)		
23 31 16 13 Fibrous-Glass Ducts (23 31 16)		
23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13) Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002 SF 1" Glass Fiber Duct Board (EI-475)	12.30	2.51
23 31 16 13-0003 SF 1-1/2" Glass Fiber Duct Board (EI-800)	14.44	2.76
23 31 16 13-0004 SF 2" Glass Fiber Duct Board (EI-800)	16.68	3.03
23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)		
23 31 16 16-0001 Fiber Reinforced Round Plastic Duct (23 31 16 16)		
23 31 16 16-0002 Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)		
23 31 16 16-0003 LF 2" Fiber Reinforced Plastic Duct.....	21.17	7.47
23 31 16 16-0004 LF 3" Fiber Reinforced Plastic Duct.....	26.35	8.74
23 31 16 16-0005 LF 4" Fiber Reinforced Plastic Duct.....	36.03	12.83
23 31 16 16-0006 LF 6" Fiber Reinforced Plastic Duct.....	47.51	16.21
23 31 16 16-0007 LF 8" Fiber Reinforced Plastic Duct.....	60.12	20.30
23 31 16 16-0008 LF 10" Fiber Reinforced Plastic Duct.....	72.47	24.39
23 31 16 16-0009 LF 12" Fiber Reinforced Plastic Duct.....	81.88	28.48
23 31 16 16-0010 LF 14" Fiber Reinforced Plastic Duct.....	93.03	31.15
23 31 16 16-0011 LF 16" Fiber Reinforced Plastic Duct.....	100.40	33.13
23 31 16 16-0012 LF 18" Fiber Reinforced Plastic Duct.....	123.62	37.22
23 31 16 16-0013 LF 20" Fiber Reinforced Plastic Duct.....	130.25	39.90
23 31 16 16-0014 LF 24" Fiber Reinforced Plastic Duct.....	158.66	42.58
23 31 16 16-0015 LF 30" Fiber Reinforced Plastic Duct.....	181.89	49.34
23 31 16 16-0016 LF 36" Fiber Reinforced Plastic Duct.....	210.75	59.49
23 31 16 16-0017 LF 42" Fiber Reinforced Plastic Duct.....	277.78	66.26
23 31 16 16-0018 LF 48" Fiber Reinforced Plastic Duct.....	311.23	74.44
23 31 16 16-0019 LF 54" Fiber Reinforced Plastic Duct.....	346.53	85.29
23 31 16 16-0020 LF 60" Fiber Reinforced Plastic Duct.....	394.10	99.53
23 31 16 16-0021 LF 66" Fiber Reinforced Plastic Duct.....	427.35	121.81
23 31 16 16-0022 LF 72" Fiber Reinforced Plastic Duct.....	521.56	148.88
23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)		
23 31 16 16-0024 EA 2" Fiber Reinforced Plastic Bell	77.08	30.31
23 31 16 16-0025 EA 3" Fiber Reinforced Plastic Bell	92.46	35.95
23 31 16 16-0026 EA 4" Fiber Reinforced Plastic Bell	107.21	42.29
23 31 16 16-0027 EA 6" Fiber Reinforced Plastic Bell	141.58	56.39
23 31 16 16-0028 EA 8" Fiber Reinforced Plastic Bell	173.88	70.49
23 31 16 16-0029 EA 10" Fiber Reinforced Plastic Bell	204.13	84.59
23 31 16 16-0030 EA 12" Fiber Reinforced Plastic Bell	253.23	105.03
23 31 16 16-0031 EA 14" Fiber Reinforced Plastic Bell	270.04	112.79
23 31 16 16-0032 EA 16" Fiber Reinforced Plastic Bell	292.48	120.54
23 31 16 16-0033 EA 18" Fiber Reinforced Plastic Bell	314.93	129.70
23 31 16 16-0034 EA 20" Fiber Reinforced Plastic Bell	343.64	140.98
23 31 16 16-0035 EA 24" Fiber Reinforced Plastic Bell	392.40	155.08
23 31 16 16-0036 EA 30" Fiber Reinforced Plastic Bell	447.33	169.18
23 31 16 16-0037 EA 36" Fiber Reinforced Plastic Bell	506.08	190.33
23 31 16 16-0038 EA 42" Fiber Reinforced Plastic Bell	564.82	211.47
23 31 16 16-0039 EA 48" Fiber Reinforced Plastic Bell	623.54	232.62
23 31 16 16-0040 EA 54" Fiber Reinforced Plastic Bell	769.54	281.96
23 31 16 16-0041 EA 60" Fiber Reinforced Plastic Bell	931.09	352.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0042 EA 66" Fiber Reinforced Plastic Bell.....	1,117.23	422.94
23 31 16 16-0043 EA 72" Fiber Reinforced Plastic Bell.....	1,275.45	479.34
23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)		
23 31 16 16-0045 EA 2" Fiber Reinforced Plastic Flange.....	109.98	30.31
23 31 16 16-0046 EA 3" Fiber Reinforced Plastic Flange.....	127.42	35.95
23 31 16 16-0047 EA 4" Fiber Reinforced Plastic Flange.....	146.27	42.29
23 31 16 16-0048 EA 6" Fiber Reinforced Plastic Flange.....	190.92	56.39
23 31 16 16-0049 EA 8" Fiber Reinforced Plastic Flange.....	233.51	70.49
23 31 16 16-0050 EA 10" Fiber Reinforced Plastic Flange.....	276.10	84.59
23 31 16 16-0051 EA 12" Fiber Reinforced Plastic Flange.....	329.31	105.03
23 31 16 16-0052 EA 14" Fiber Reinforced Plastic Flange.....	362.57	112.79
23 31 16 16-0053 EA 16" Fiber Reinforced Plastic Flange.....	395.29	120.54
23 31 16 16-0054 EA 18" Fiber Reinforced Plastic Flange.....	421.85	129.70
23 31 16 16-0055 EA 20" Fiber Reinforced Plastic Flange.....	446.45	140.98
23 31 16 16-0056 EA 24" Fiber Reinforced Plastic Flange.....	515.76	155.08
23 31 16 16-0057 EA 30" Fiber Reinforced Plastic Flange.....	566.58	169.18
23 31 16 16-0058 EA 36" Fiber Reinforced Plastic Flange.....	684.97	190.33
23 31 16 16-0059 EA 42" Fiber Reinforced Plastic Flange.....	762.21	211.47
23 31 16 16-0060 EA 48" Fiber Reinforced Plastic Flange.....	860.00	232.62
23 31 16 16-0061 EA 54" Fiber Reinforced Plastic Flange.....	1,016.28	281.96
23 31 16 16-0062 EA 60" Fiber Reinforced Plastic Flange.....	1,225.11	352.45
23 31 16 16-0063 EA 66" Fiber Reinforced Plastic Flange.....	1,433.88	422.94
23 31 16 16-0064 EA 72" Fiber Reinforced Plastic Flange.....	1,637.33	479.34
23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0066 EA 2" Fiber Reinforced Plastic 90 Degree Elbow.....	189.66	73.02
23 31 16 16-0067 EA 3" Fiber Reinforced Plastic 90 Degree Elbow.....	223.62	87.26
23 31 16 16-0068 EA 4" Fiber Reinforced Plastic 90 Degree Elbow.....	259.64	101.50
23 31 16 16-0069 EA 6" Fiber Reinforced Plastic 90 Degree Elbow.....	338.66	135.34
23 31 16 16-0070 EA 8" Fiber Reinforced Plastic 90 Degree Elbow.....	417.67	169.18
23 31 16 16-0071 EA 10" Fiber Reinforced Plastic 90 Degree Elbow.....	496.70	203.02
23 31 16 16-0072 EA 12" Fiber Reinforced Plastic 90 Degree Elbow.....	611.95	252.50
23 31 16 16-0073 EA 14" Fiber Reinforced Plastic 90 Degree Elbow.....	681.98	267.30
23 31 16 16-0074 EA 16" Fiber Reinforced Plastic 90 Degree Elbow.....	767.62	290.28
23 31 16 16-0075 EA 18" Fiber Reinforced Plastic 90 Degree Elbow.....	893.07	311.29
23 31 16 16-0076 EA 20" Fiber Reinforced Plastic 90 Degree Elbow.....	1,016.37	338.36
23 31 16 16-0077 EA 24" Fiber Reinforced Plastic 90 Degree Elbow.....	1,165.28	372.19
23 31 16 16-0078 EA 30" Fiber Reinforced Plastic 90 Degree Elbow.....	1,509.49	406.02
23 31 16 16-0079 EA 36" Fiber Reinforced Plastic 90 Degree Elbow.....	1,892.28	456.77
23 31 16 16-0080 EA 42" Fiber Reinforced Plastic 90 Degree Elbow.....	2,429.25	507.67
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow.....	2,853.18	558.43
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow.....	3,389.59	676.71
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow.....	4,123.91	845.88
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow.....	4,857.69	1,014.78
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow.....	5,535.35	1,149.98
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow.....	167.04	73.02
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow.....	196.89	87.26
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow.....	228.77	101.50
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow.....	293.42	135.34
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow.....	358.04	169.18
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow.....	426.89	203.02
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow.....	527.75	252.50
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow.....	568.78	267.30
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow.....	660.43	290.14
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow.....	745.41	311.57
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow.....	847.68	338.36
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow.....	965.18	371.91
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow.....	1,179.98	405.74
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow.....	1,417.97	457.20
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow.....	1,757.50	507.96
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow.....	2,041.01	558.43
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow.....	2,439.66	676.71
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow.....	2,947.80	845.88
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow.....	3,476.83	1,012.81
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow.....	3,933.65	1,151.11
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee.....	253.55	108.97
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee.....	301.04	131.26
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee.....	346.30	152.26
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee.....	451.47	203.02
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee.....	554.38	252.50
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee.....	663.98	305.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0114	EA		12" Fiber Reinforced Plastic Tee	803.06	370.78
23 31 16 16-0115	EA		14" Fiber Reinforced Plastic Tee	874.40	401.23
23 31 16 16-0116	EA		16" Fiber Reinforced Plastic Tee	993.71	435.92
23 31 16 16-0117	EA		18" Fiber Reinforced Plastic Tee	1,107.19	466.93
23 31 16 16-0118	EA		20" Fiber Reinforced Plastic Tee	1,257.25	507.67
23 31 16 16-0119	EA		24" Fiber Reinforced Plastic Tee	1,424.16	558.43
23 31 16 16-0120	EA		30" Fiber Reinforced Plastic Tee	1,662.52	608.90
23 31 16 16-0121	EA		36" Fiber Reinforced Plastic Tee	1,964.93	685.45
23 31 16 16-0122	EA		42" Fiber Reinforced Plastic Tee	2,502.87	761.58
23 31 16 16-0123	EA		48" Fiber Reinforced Plastic Tee	2,938.50	837.85
23 31 16 16-0124	EA		54" Fiber Reinforced Plastic Tee	3,543.39	1,015.76
23 31 16 16-0125	EA		60" Fiber Reinforced Plastic Tee	4,274.51	1,269.39
23 31 16 16-0126	EA		66" Fiber Reinforced Plastic Tee	5,004.82	1,522.45
23 31 16 16-0127	EA		72" Fiber Reinforced Plastic Tee	5,652.95	1,726.31
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)					
23 31 16 16-0129	EA		2" Fiber Reinforced Plastic Lateral Joint	222.69	108.97
23 31 16 16-0130	EA		3" Fiber Reinforced Plastic Lateral Joint	263.99	131.26
23 31 16 16-0131	EA		4" Fiber Reinforced Plastic Lateral Joint	303.15	152.26
23 31 16 16-0132	EA		6" Fiber Reinforced Plastic Lateral Joint	391.94	203.02
23 31 16 16-0133	EA		8" Fiber Reinforced Plastic Lateral Joint	478.40	252.50
23 31 16 16-0134	EA		10" Fiber Reinforced Plastic Lateral Joint	575.64	305.93
23 31 16 16-0135	EA		12" Fiber Reinforced Plastic Lateral Joint	692.36	371.06
23 31 16 16-0136	EA		14" Fiber Reinforced Plastic Lateral Joint	750.40	400.95
23 31 16 16-0137	EA		16" Fiber Reinforced Plastic Lateral Joint	821.29	436.06
23 31 16 16-0138	EA		18" Fiber Reinforced Plastic Lateral Joint	885.82	467.35
23 31 16 16-0139	EA		20" Fiber Reinforced Plastic Lateral Joint	965.89	507.96
23 31 16 16-0140	EA		24" Fiber Reinforced Plastic Lateral Joint	1,066.40	558.43
23 31 16 16-0141	EA		30" Fiber Reinforced Plastic Lateral Joint	1,172.57	608.61
23 31 16 16-0142	EA		36" Fiber Reinforced Plastic Lateral Joint	1,322.67	685.03
23 31 16 16-0143	EA		42" Fiber Reinforced Plastic Lateral Joint	1,475.70	762.00
23 31 16 16-0144	EA		48" Fiber Reinforced Plastic Lateral Joint	1,622.03	837.56
23 31 16 16-0145	EA		54" Fiber Reinforced Plastic Lateral Joint	1,945.01	1,012.81
23 31 16 16-0146	EA		60" Fiber Reinforced Plastic Lateral Joint	2,396.95	1,271.65
23 31 16 16-0147	EA		66" Fiber Reinforced Plastic Lateral Joint	2,888.82	1,523.58
23 31 16 16-0148	EA		72" Fiber Reinforced Plastic Lateral Joint	3,247.27	1,726.31
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)					
23 31 16 16-0150	EA		2" Fiber Reinforced Plastic One Piece Reducer	175.31	73.17
23 31 16 16-0151	EA		3" Fiber Reinforced Plastic One Piece Reducer	207.25	87.40
23 31 16 16-0152	EA		4" Fiber Reinforced Plastic One Piece Reducer	243.27	101.50
23 31 16 16-0153	EA		6" Fiber Reinforced Plastic One Piece Reducer	316.04	135.34
23 31 16 16-0154	EA		8" Fiber Reinforced Plastic One Piece Reducer	384.77	169.18
23 31 16 16-0155	EA		10" Fiber Reinforced Plastic One Piece Reducer	463.08	203.86
23 31 16 16-0156	EA		12" Fiber Reinforced Plastic One Piece Reducer	556.54	252.50
23 31 16 16-0157	EA		14" Fiber Reinforced Plastic One Piece Reducer	593.45	267.30
23 31 16 16-0158	EA		16" Fiber Reinforced Plastic One Piece Reducer	652.20	290.14
23 31 16 16-0159	EA		18" Fiber Reinforced Plastic One Piece Reducer	712.51	311.57
23 31 16 16-0160	EA		20" Fiber Reinforced Plastic One Piece Reducer	790.11	338.36
23 31 16 16-0161	EA		24" Fiber Reinforced Plastic One Piece Reducer	892.47	372.62
23 31 16 16-0162	EA		30" Fiber Reinforced Plastic One Piece Reducer	994.44	406.73
23 31 16 16-0163	EA		36" Fiber Reinforced Plastic One Piece Reducer	1,123.94	457.20
23 31 16 16-0164	EA		42" Fiber Reinforced Plastic One Piece Reducer	1,253.75	507.96
23 31 16 16-0165	EA		48" Fiber Reinforced Plastic One Piece Reducer	1,403.60	558.43
23 31 16 16-0166	EA		54" Fiber Reinforced Plastic One Piece Reducer	1,672.72	676.71
23 31 16 16-0167	EA		60" Fiber Reinforced Plastic One Piece Reducer	2,020.48	845.88
23 31 16 16-0168	EA		66" Fiber Reinforced Plastic One Piece Reducer	2,304.83	1,012.81
23 31 16 16-0169	EA		72" Fiber Reinforced Plastic One Piece Reducer	2,597.16	1,151.11
23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)					
23 31 16 16-0171	EA		2" Fiber Reinforced Plastic Two Piece Reducer	199.98	73.17
23 31 16 16-0172	EA		3" Fiber Reinforced Plastic Two Piece Reducer	223.70	87.40
23 31 16 16-0173	EA		4" Fiber Reinforced Plastic Two Piece Reducer	259.72	101.50
23 31 16 16-0174	EA		6" Fiber Reinforced Plastic Two Piece Reducer	338.66	135.34
23 31 16 16-0175	EA		8" Fiber Reinforced Plastic Two Piece Reducer	417.67	169.18
23 31 16 16-0176	EA		10" Fiber Reinforced Plastic Two Piece Reducer	498.03	203.86
23 31 16 16-0177	EA		12" Fiber Reinforced Plastic Two Piece Reducer	601.77	252.50
23 31 16 16-0178	EA		14" Fiber Reinforced Plastic Two Piece Reducer	651.02	267.30
23 31 16 16-0179	EA		16" Fiber Reinforced Plastic Two Piece Reducer	709.78	290.14
23 31 16 16-0180	EA		18" Fiber Reinforced Plastic Two Piece Reducer	790.64	311.57
23 31 16 16-0181	EA		20" Fiber Reinforced Plastic Two Piece Reducer	962.82	338.36
23 31 16 16-0182	EA		24" Fiber Reinforced Plastic Two Piece Reducer	1,145.38	372.62
23 31 16 16-0183	EA		30" Fiber Reinforced Plastic Two Piece Reducer	1,232.95	406.73
23 31 16 16-0184	EA		36" Fiber Reinforced Plastic Two Piece Reducer	1,399.46	457.20
23 31 16 16-0185	EA		42" Fiber Reinforced Plastic Two Piece Reducer	1,525.16	507.96
23 31 16 16-0186	EA		48" Fiber Reinforced Plastic Two Piece Reducer	1,670.90	558.43
23 31 16 16-0187	EA		54" Fiber Reinforced Plastic Two Piece Reducer	1,888.61	676.71
23 31 16 16-0188	EA		60" Fiber Reinforced Plastic Two Piece Reducer	2,224.04	845.88

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0189 EA 66" Fiber Reinforced Plastic Two Piece Reducer	2,531.01	1,012.81
23 31 16 16-0190 EA 72" Fiber Reinforced Plastic Two Piece Reducer	2,802.77	1,151.11
23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)		
23 31 16 16-0192 EA 2" Fiber Reinforced Plastic Damper.....	458.06	73.02
23 31 16 16-0193 EA 3" Fiber Reinforced Plastic Damper.....	517.16	87.26
23 31 16 16-0194 EA 4" Fiber Reinforced Plastic Damper.....	576.24	101.50
23 31 16 16-0195 EA 6" Fiber Reinforced Plastic Damper.....	685.73	135.34
23 31 16 16-0196 EA 8" Fiber Reinforced Plastic Damper.....	812.92	169.18
23 31 16 16-0197 EA 10" Fiber Reinforced Plastic Damper.....	922.43	203.02
23 31 16 16-0198 EA 12" Fiber Reinforced Plastic Damper.....	1,057.88	252.50
23 31 16 16-0199 EA 14" Fiber Reinforced Plastic Damper.....	1,171.16	267.30
23 31 16 16-0200 EA 16" Fiber Reinforced Plastic Damper.....	1,298.00	290.28
23 31 16 16-0201 EA 18" Fiber Reinforced Plastic Damper.....	1,421.47	311.29
23 31 16 16-0202 EA 20" Fiber Reinforced Plastic Damper.....	1,519.74	338.36
23 31 16 16-0203 EA 24" Fiber Reinforced Plastic Damper.....	1,717.71	372.19
23 31 16 16-0204 EA 30" Fiber Reinforced Plastic Damper.....	1,986.44	406.02
23 31 16 16-0205 EA 36" Fiber Reinforced Plastic Damper.....	2,283.47	456.77
23 31 16 16-0206 EA 42" Fiber Reinforced Plastic Damper.....	2,615.87	507.67
23 31 16 16-0207 EA 48" Fiber Reinforced Plastic Damper.....	2,912.92	558.43
23 31 16 16-0208 EA 54" Fiber Reinforced Plastic Damper.....	3,428.64	676.71
23 31 16 16-0209 EA 60" Fiber Reinforced Plastic Damper.....	4,029.19	845.88
23 31 16 16-0210 EA 66" Fiber Reinforced Plastic Damper.....	4,593.78	1,014.78
23 31 16 16-0211 EA 72" Fiber Reinforced Plastic Damper.....	5,279.26	1,149.98
23 31 16 23 Fabric Ducts (23 31 16)		
23 31 16 23-0001 Heavy Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)		
23 31 16 23-0002 Heavy Duty Fabric Duct Without Vents (23 31 16 23-0001)		
Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.		
23 31 16 23-0003 EA 12" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	195.02	10.65
Note: Excludes suspension cable and hardware.		
23 31 16 23-0004 EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents.....	303.48	14.19
Note: Excludes suspension cable and hardware.		
23 31 16 23-0005 EA 16" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	238.24	17.74
Note: Excludes suspension cable and hardware.		
23 31 16 23-0006 EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents.....	352.84	23.31
Note: Excludes suspension cable and hardware.		
23 31 16 23-0007 EA 20" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	290.77	24.33
Note: Excludes suspension cable and hardware.		
23 31 16 23-0008 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents.....	415.24	32.44
Note: Excludes suspension cable and hardware.		
23 31 16 23-0009 EA 24" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	340.50	31.42
Note: Excludes suspension cable and hardware.		
23 31 16 23-0010 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents.....	477.63	41.56
Note: Excludes suspension cable and hardware.		
23 31 16 23-0011 EA 28" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	380.38	35.99
Note: Excludes suspension cable and hardware.		
23 31 16 23-0012 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents.....	567.08	48.15
Note: Excludes suspension cable and hardware.		
23 31 16 23-0013 EA 32" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	418.74	40.04
Note: Excludes suspension cable and hardware.		
23 31 16 23-0014 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents.....	632.39	53.21
Note: Excludes suspension cable and hardware.		
23 31 16 23-0015 EA 36" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	457.34	45.62
Note: Excludes suspension cable and hardware.		
23 31 16 23-0016 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents.....	729.26	60.82
Note: Excludes suspension cable and hardware.		
23 31 16 23-0017 Heavy Duty Fabric Duct With Vents (23 31 16 23-0001)		
23 31 16 23-0018 EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents.....	520.64	14.19
Note: Excludes suspension cable and hardware.		
23 31 16 23-0019 EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents.....	583.03	23.31
Note: Excludes suspension cable and hardware.		
23 31 16 23-0020 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents.....	656.29	32.44
Note: Excludes suspension cable and hardware.		
23 31 16 23-0021 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents.....	731.71	41.56
Note: Excludes suspension cable and hardware.		
23 31 16 23-0022 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents.....	879.79	48.15
Note: Excludes suspension cable and hardware.		
23 31 16 23-0023 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents.....	945.10	53.21
Note: Excludes suspension cable and hardware.		
23 31 16 23-0024 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents.....	1,068.03	60.82
Note: Excludes suspension cable and hardware.		
23 31 16 23-0025 Heavy Duty Fabric Duct 90 Degree Elbow (23 31 16 23-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0026 EA 12" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	391.26	15.21
23 31 16 23-0027 EA 16" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	442.78	24.33
23 31 16 23-0028 EA 20" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	594.42	26.36
23 31 16 23-0029 EA 24" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	728.49	35.48
23 31 16 23-0030 EA 28" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	916.67	39.53
23 31 16 23-0031 EA 32" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,138.05	43.08
23 31 16 23-0032 EA 36" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,292.50	48.15
23 31 16 23-0033 Heavy Duty Fabric Duct 45 Degree Elbow <small>(23 31 16 23-0001)</small>		
23 31 16 23-0034 EA 12" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	302.22	15.21
23 31 16 23-0035 EA 16" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	360.26	24.33
23 31 16 23-0036 EA 20" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	403.32	26.36
23 31 16 23-0037 EA 24" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	474.41	35.48
23 31 16 23-0038 EA 28" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	547.50	39.53
23 31 16 23-0039 EA 32" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	653.79	43.08
23 31 16 23-0040 EA 36" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	745.15	48.15
23 31 16 23-0041 Heavy Duty Fabric Duct Tee <small>(23 31 16 23-0001)</small>		
23 31 16 23-0042 EA 16" x 12" x 12" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	954.34	35.48
23 31 16 23-0043 EA 20" x 16" x 16" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,005.45	38.02
23 31 16 23-0044 EA 24" x 16" x 16" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,097.49	51.19
23 31 16 23-0045 EA 28" x 20" x 20" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,157.19	57.28
23 31 16 23-0046 EA 32" x 24" x 24" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,202.95	62.34
23 31 16 23-0047 EA 36" x 28" x 28" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,265.06	69.94
23 31 16 23-0048 Heavy Duty Fabric Duct Inlets <small>(23 31 16 23-0001)</small>		
23 31 16 23-0049 EA 12" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	161.07	15.21
23 31 16 23-0050 EA 16" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	195.22	24.33
23 31 16 23-0051 EA 20" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	210.05	26.36
23 31 16 23-0052 EA 24" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	246.39	35.48
23 31 16 23-0053 EA 28" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	265.19	39.53
23 31 16 23-0054 EA 32" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	284.62	43.08
23 31 16 23-0055 EA 36" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	313.00	48.15
23 31 16 23-0056 Heavy Duty Fabric Duct Cap <small>(23 31 16 23-0001)</small>		
23 31 16 23-0057 EA 12" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	94.85	9.13
23 31 16 23-0058 EA 16" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	122.61	14.70
23 31 16 23-0059 EA 20" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	143.06	15.71
23 31 16 23-0060 EA 24" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	199.03	21.29
23 31 16 23-0061 EA 28" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	237.11	23.82
23 31 16 23-0062 EA 32" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	293.20	25.85
23 31 16 23-0063 EA 36" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	330.65	28.89
23 31 16 23-0064 Heavy Duty Fabric Duct Suspension Hardware <small>(23 31 16 23-0001)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0065 EA 12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	41.51	7.68
23 31 16 23-0066 EA 20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	64.32	11.52
23 31 16 23-0067 EA Galvanized Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	16.29	3.84
23 31 16 23-0068 LF Galvanized Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	0.85	0.15
23 31 16 23-0069 EA Galvanized Stretcher For Straight Fabric Duct Runs	36.71	7.68
23 31 16 23-0070 EA 12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	70.35	7.68
23 31 16 23-0071 EA 20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	97.11	11.52
23 31 16 23-0072 EA Stainless Steel Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	20.35	3.84
23 31 16 23-0073 LF Stainless Steel Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	2.50	0.15
23 31 16 23-0074 EA Stainless Steel Stretcher For Straight Fabric Duct Runs	47.22	7.68

23 33 Air Duct Accessories (23 30)**23 33 13 Dampers (23 33)****23 33 13 13 Volume-Control Dampers (23 33 13)****23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) (23 33 13 13)**

23 33 13 13-0002 EA 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	129.21	12.28
For Stainless Steel, Add	106.08	
For Parallel Blade Damper, Add	32.64	
23 33 13 13-0003 EA 7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	138.01	13.80
For Stainless Steel, Add	107.61	
For Parallel Blade Damper, Add	33.11	
23 33 13 13-0004 EA 8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	147.87	15.34
For Stainless Steel, Add	108.75	
For Parallel Blade Damper, Add	33.46	
23 33 13 13-0005 EA 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	159.68	18.41
For Stainless Steel, Add	115.54	
For Parallel Blade Damper, Add	35.55	
23 33 13 13-0006 EA 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	173.01	19.94
For Stainless Steel, Add	122.34	
For Parallel Blade Damper, Add	37.64	
23 33 13 13-0007 EA 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	206.54	21.48
For Stainless Steel, Add	156.33	
For Parallel Blade Damper, Add	48.10	
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	225.92	23.01
For Stainless Steel, Add	169.92	
For Parallel Blade Damper, Add	52.28	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	238.18	26.08
For Stainless Steel, Add	176.70	
For Parallel Blade Damper, Add	54.37	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	262.07	27.61
For Stainless Steel, Add	197.11	
For Parallel Blade Damper, Add	60.65	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	308.27	30.68
For Stainless Steel, Add	244.69	
For Parallel Blade Damper, Add	75.29	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	339.84	30.68
For Stainless Steel, Add	278.63	
For Parallel Blade Damper, Add	85.73	
23 33 13 13-0013 EA 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	388.99	35.28
For Stainless Steel, Add	326.21	
For Parallel Blade Damper, Add	100.37	
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	418.76	36.82
For Stainless Steel, Add	355.46	
For Parallel Blade Damper, Add	109.37	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) (23 33 13 13)

23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.39	17.05
For Stainless Steel, Add	123.83	
For Parallel Blade Damper, Add	38.10	
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.46	17.81
For Stainless Steel, Add	132.61	
For Parallel Blade Damper, Add	40.80	
23 33 13 13-0018 EA 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.58	17.97
For Stainless Steel, Add	141.47	
For Parallel Blade Damper, Add	43.53	
23 33 13 13-0019 EA 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.58	17.97
For Stainless Steel, Add	141.47	
For Parallel Blade Damper, Add	43.53	
23 33 13 13-0020 EA 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.93	18.44
For Stainless Steel, Add	150.32	
For Parallel Blade Damper, Add	46.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0021 EA 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.65	20.43
For Stainless Steel, Add	167.97	
For Parallel Blade Damper, Add	51.68	
23 33 13 13-0022 EA 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.93	18.44
For Stainless Steel, Add	150.32	
For Parallel Blade Damper, Add	46.25	
23 33 13 13-0023 EA 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.57	19.50
For Stainless Steel, Add	167.97	
For Parallel Blade Damper, Add	51.68	
23 33 13 13-0024 EA 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.50	20.43
For Stainless Steel, Add	176.88	
For Parallel Blade Damper, Add	54.42	
23 33 13 13-0025 EA 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.49	23.04
For Stainless Steel, Add	194.18	
For Parallel Blade Damper, Add	59.75	
23 33 13 13-0026 EA 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	184.21	19.50
For Stainless Steel, Add	163.61	
For Parallel Blade Damper, Add	50.34	
23 33 13 13-0027 EA 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.50	20.43
For Stainless Steel, Add	176.88	
For Parallel Blade Damper, Add	54.42	
23 33 13 13-0028 EA 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.37	21.50
For Stainless Steel, Add	185.73	
For Parallel Blade Damper, Add	57.15	
23 33 13 13-0029 EA 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.80	23.04
For Stainless Steel, Add	194.58	
For Parallel Blade Damper, Add	59.87	
23 33 13 13-0030 EA 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.46	25.65
For Stainless Steel, Add	216.66	
For Parallel Blade Damper, Add	66.66	
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.50	20.43
For Stainless Steel, Add	176.88	
For Parallel Blade Damper, Add	54.42	
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	208.91	21.96
For Stainless Steel, Add	185.73	
For Parallel Blade Damper, Add	57.15	
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.86	24.11
For Stainless Steel, Add	194.58	
For Parallel Blade Damper, Add	59.87	
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.25	25.65
For Stainless Steel, Add	203.39	
For Parallel Blade Damper, Add	62.58	
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	258.00	28.11
For Stainless Steel, Add	225.58	
For Parallel Blade Damper, Add	69.41	
23 33 13 13-0036 EA 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.66	30.72
For Stainless Steel, Add	247.65	
For Parallel Blade Damper, Add	76.20	
23 33 13 13-0037 EA 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.37	21.50
For Stainless Steel, Add	185.73	
For Parallel Blade Damper, Add	57.15	
23 33 13 13-0038 EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.16	23.04
For Stainless Steel, Add	198.95	
For Parallel Blade Damper, Add	61.22	
23 33 13 13-0039 EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.10	25.65
For Stainless Steel, Add	212.29	
For Parallel Blade Damper, Add	65.32	
23 33 13 13-0040 EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	264.81	28.11
For Stainless Steel, Add	234.43	
For Parallel Blade Damper, Add	72.13	
23 33 13 13-0041 EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	286.06	30.72
For Stainless Steel, Add	252.07	
For Parallel Blade Damper, Add	77.56	
23 33 13 13-0042 EA 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.14	33.17
For Stainless Steel, Add	261.69	
For Parallel Blade Damper, Add	80.52	
23 33 13 13-0043 EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.57	35.78
For Stainless Steel, Add	274.37	
For Parallel Blade Damper, Add	84.42	
23 33 13 13-0044 EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.20	23.04
For Stainless Steel, Add	176.90	
For Parallel Blade Damper, Add	54.43	
23 33 13 13-0045 EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.22	25.65
For Stainless Steel, Add	192.95	
For Parallel Blade Damper, Add	59.37	
23 33 13 13-0046 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	245.28	28.11
For Stainless Steel, Add	209.04	
For Parallel Blade Damper, Add	64.32	
23 33 13 13-0047 EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	277.72	30.72
For Stainless Steel, Add	241.23	
For Parallel Blade Damper, Add	74.22	
23 33 13 13-0048 EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	294.69	33.17
For Stainless Steel, Add	253.31	
For Parallel Blade Damper, Add	77.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0049 EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	311.66	35.78
For Stainless Steel, Add	265.38	
For Parallel Blade Damper, Add	81.66	
23 33 13 13-0050 EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	331.67	38.40
For Stainless Steel, Add	281.41	
For Parallel Blade Damper, Add	86.59	
23 33 13 13-0051 EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	351.67	40.85
For Stainless Steel, Add	297.45	
For Parallel Blade Damper, Add	91.52	
23 33 13 13-0052 EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.41	25.65
For Stainless Steel, Add	200.99	
For Parallel Blade Damper, Add	61.84	
23 33 13 13-0053 EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	257.66	28.11
For Stainless Steel, Add	225.13	
For Parallel Blade Damper, Add	69.27	
23 33 13 13-0054 EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	277.72	30.72
For Stainless Steel, Add	241.23	
For Parallel Blade Damper, Add	74.22	
23 33 13 13-0055 EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.98	33.17
For Stainless Steel, Add	265.38	
For Parallel Blade Damper, Add	81.66	
23 33 13 13-0056 EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	320.90	35.78
For Stainless Steel, Add	277.39	
For Parallel Blade Damper, Add	85.35	
23 33 13 13-0057 EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.87	38.40
For Stainless Steel, Add	289.47	
For Parallel Blade Damper, Add	89.07	
23 33 13 13-0058 EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.06	40.85
For Stainless Steel, Add	313.56	
For Parallel Blade Damper, Add	96.48	
23 33 13 13-0059 EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	397.95	46.08
For Stainless Steel, Add	337.65	
For Parallel Blade Damper, Add	103.89	
23 33 13 13-0060 EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	438.11	51.14
For Stainless Steel, Add	369.89	
For Parallel Blade Damper, Add	113.81	
23 33 13 13-0061 EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	257.66	28.11
For Stainless Steel, Add	225.13	
For Parallel Blade Damper, Add	69.27	
23 33 13 13-0062 EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	277.72	30.72
For Stainless Steel, Add	241.23	
For Parallel Blade Damper, Add	74.22	
23 33 13 13-0063 EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.98	33.17
For Stainless Steel, Add	265.38	
For Parallel Blade Damper, Add	81.66	
23 33 13 13-0064 EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	323.99	35.78
For Stainless Steel, Add	281.41	
For Parallel Blade Damper, Add	86.59	
23 33 13 13-0065 EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.11	38.40
For Stainless Steel, Add	301.48	
For Parallel Blade Damper, Add	92.76	
23 33 13 13-0066 EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.20	40.85
For Stainless Steel, Add	321.54	
For Parallel Blade Damper, Add	98.94	
23 33 13 13-0067 EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.14	46.08
For Stainless Steel, Add	345.70	
For Parallel Blade Damper, Add	106.37	
23 33 13 13-0068 EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	438.11	51.14
For Stainless Steel, Add	369.89	
For Parallel Blade Damper, Add	113.81	
23 33 13 13-0069 EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	482.86	53.76
For Stainless Steel, Add	418.08	
For Parallel Blade Damper, Add	128.64	
23 33 13 13-0070 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.13	58.82
For Stainless Steel, Add	458.26	
For Parallel Blade Damper, Add	141.00	
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.30	30.72
For Stainless Steel, Add	265.38	
For Parallel Blade Damper, Add	81.66	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.12	33.17
For Stainless Steel, Add	273.36	
For Parallel Blade Damper, Add	84.11	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	323.99	35.78
For Stainless Steel, Add	281.41	
For Parallel Blade Damper, Add	86.59	
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	344.01	38.40
For Stainless Steel, Add	297.45	
For Parallel Blade Damper, Add	91.52	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.41	40.85
For Stainless Steel, Add	323.12	
For Parallel Blade Damper, Add	99.42	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.14	46.08
For Stainless Steel, Add	345.70	
For Parallel Blade Damper, Add	106.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	444.31	51.14
<i>For Stainless Steel, Add</i>	377.95	
<i>For Parallel Blade Damper, Add</i>	116.29	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.39	56.21
<i>For Stainless Steel, Add</i>	410.09	
<i>For Parallel Blade Damper, Add</i>	126.18	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.13	58.82
<i>For Stainless Steel, Add</i>	458.26	
<i>For Parallel Blade Damper, Add</i>	141.00	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	584.77	62.98
<i>For Stainless Steel, Add</i>	514.61	
<i>For Parallel Blade Damper, Add</i>	158.34	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	644.99	66.50
<i>For Stainless Steel, Add</i>	578.93	
<i>For Parallel Blade Damper, Add</i>	178.13	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.51	33.17
<i>For Stainless Steel, Add</i>	289.47	
<i>For Parallel Blade Damper, Add</i>	89.07	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.53	35.78
<i>For Stainless Steel, Add</i>	305.51	
<i>For Parallel Blade Damper, Add</i>	94.00	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	362.54	38.40
<i>For Stainless Steel, Add</i>	321.54	
<i>For Parallel Blade Damper, Add</i>	98.94	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	388.78	40.85
<i>For Stainless Steel, Add</i>	345.70	
<i>For Parallel Blade Damper, Add</i>	106.37	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	413.47	46.08
<i>For Stainless Steel, Add</i>	357.83	
<i>For Parallel Blade Damper, Add</i>	110.10	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	430.43	48.53
<i>For Stainless Steel, Add</i>	369.89	
<i>For Parallel Blade Damper, Add</i>	113.81	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.39	56.21
<i>For Stainless Steel, Add</i>	410.09	
<i>For Parallel Blade Damper, Add</i>	126.18	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	530.62	61.44
<i>For Stainless Steel, Add</i>	450.22	
<i>For Parallel Blade Damper, Add</i>	138.53	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	573.90	63.43
<i>For Stainless Steel, Add</i>	498.50	
<i>For Parallel Blade Damper, Add</i>	153.38	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	637.19	68.04
<i>For Stainless Steel, Add</i>	562.78	
<i>For Parallel Blade Damper, Add</i>	173.16	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	691.22	71.57
<i>For Stainless Steel, Add</i>	619.06	
<i>For Parallel Blade Damper, Add</i>	190.48	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	748.39	74.18
<i>For Stainless Steel, Add</i>	683.40	
<i>For Parallel Blade Damper, Add</i>	210.28	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.33	38.40
<i>For Stainless Steel, Add</i>	297.45	
<i>For Parallel Blade Damper, Add</i>	91.52	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	368.74	40.85
<i>For Stainless Steel, Add</i>	329.60	
<i>For Parallel Blade Damper, Add</i>	101.42	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.59	43.46
<i>For Stainless Steel, Add</i>	337.65	
<i>For Parallel Blade Damper, Add</i>	103.89	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	396.46	46.08
<i>For Stainless Steel, Add</i>	345.70	
<i>For Parallel Blade Damper, Add</i>	106.37	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.49	48.53
<i>For Stainless Steel, Add</i>	373.87	
<i>For Parallel Blade Damper, Add</i>	115.04	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	462.84	51.14
<i>For Stainless Steel, Add</i>	402.04	
<i>For Parallel Blade Damper, Add</i>	123.70	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	510.60	58.82
<i>For Stainless Steel, Add</i>	434.17	
<i>For Parallel Blade Damper, Add</i>	133.59	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	550.72	63.89
<i>For Stainless Steel, Add</i>	466.36	
<i>For Parallel Blade Damper, Add</i>	143.50	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	600.13	68.04
<i>For Stainless Steel, Add</i>	514.61	
<i>For Parallel Blade Damper, Add</i>	158.34	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	678.88	71.57
<i>For Stainless Steel, Add</i>	603.02	
<i>For Parallel Blade Damper, Add</i>	185.54	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	728.22	75.72
<i>For Stainless Steel, Add</i>	651.20	
<i>For Parallel Blade Damper, Add</i>	200.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	802.44	77.71
For Stainless Steel, Add	739.67	
For Parallel Blade Damper, Add	227.59	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	876.59	81.86
For Stainless Steel, Add	820.11	
For Parallel Blade Damper, Add	252.34	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.40	38.40
For Stainless Steel, Add	313.56	
For Parallel Blade Damper, Add	96.48	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	388.78	40.85
For Stainless Steel, Add	345.70	
For Parallel Blade Damper, Add	106.37	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.07	43.46
For Stainless Steel, Add	369.89	
For Parallel Blade Damper, Add	113.81	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.95	46.08
For Stainless Steel, Add	377.95	
For Parallel Blade Damper, Add	116.29	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	461.35	48.53
For Stainless Steel, Add	410.09	
For Parallel Blade Damper, Add	126.18	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	493.75	51.14
For Stainless Steel, Add	442.22	
For Parallel Blade Damper, Add	136.07	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.42	61.44
For Stainless Steel, Add	482.46	
For Parallel Blade Damper, Add	148.45	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	601.65	66.50
For Stainless Steel, Add	522.59	
For Parallel Blade Damper, Add	160.80	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	678.88	71.57
For Stainless Steel, Add	603.02	
For Parallel Blade Damper, Add	185.54	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	749.92	76.80
For Stainless Steel, Add	675.40	
For Parallel Blade Damper, Add	207.82	
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	827.06	81.86
For Stainless Steel, Add	755.72	
For Parallel Blade Damper, Add	232.53	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	890.42	84.32
For Stainless Steel, Add	828.10	
For Parallel Blade Damper, Add	254.80	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	953.78	86.93
For Stainless Steel, Add	900.48	
For Parallel Blade Damper, Add	277.07	
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,017.13	89.54
For Stainless Steel, Add	972.86	
For Parallel Blade Damper, Add	299.34	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.59	40.85
For Stainless Steel, Add	337.65	
For Parallel Blade Damper, Add	103.89	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.07	43.46
For Stainless Steel, Add	369.89	
For Parallel Blade Damper, Add	113.81	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.95	46.08
For Stainless Steel, Add	377.95	
For Parallel Blade Damper, Add	116.29	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	462.84	51.14
For Stainless Steel, Add	402.04	
For Parallel Blade Damper, Add	123.70	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	502.92	56.21
For Stainless Steel, Add	434.17	
For Parallel Blade Damper, Add	133.59	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	543.04	61.44
For Stainless Steel, Add	466.36	
For Parallel Blade Damper, Add	143.50	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	595.51	66.50
For Stainless Steel, Add	514.61	
For Parallel Blade Damper, Add	158.34	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	647.93	71.57
For Stainless Steel, Add	562.78	
For Parallel Blade Damper, Add	173.16	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	718.96	76.80
For Stainless Steel, Add	635.15	
For Parallel Blade Damper, Add	195.43	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	802.34	81.86
For Stainless Steel, Add	723.58	
For Parallel Blade Damper, Add	222.64	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	865.74	84.32
For Stainless Steel, Add	796.02	
For Parallel Blade Damper, Add	244.93	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	947.59	86.93
For Stainless Steel, Add	892.44	
For Parallel Blade Damper, Add	274.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,018.62	92.00
For Stainless Steel, Add	964.81	
For Parallel Blade Damper, Add	296.86	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,100.51	94.61
For Stainless Steel, Add	1,061.28	
For Parallel Blade Damper, Add	326.55	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,173.04	102.29
For Stainless Steel, Add	1,125.62	
For Parallel Blade Damper, Add	346.34	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.88	43.46
For Stainless Steel, Add	361.84	
For Parallel Blade Damper, Add	111.34	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	441.28	46.08
For Stainless Steel, Add	393.98	
For Parallel Blade Damper, Add	121.22	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	481.37	51.14
For Stainless Steel, Add	426.13	
For Parallel Blade Damper, Add	131.12	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	502.92	56.21
For Stainless Steel, Add	434.17	
For Parallel Blade Damper, Add	133.59	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	546.14	61.44
For Stainless Steel, Add	470.39	
For Parallel Blade Damper, Add	144.74	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	589.31	66.50
For Stainless Steel, Add	506.55	
For Parallel Blade Damper, Add	155.86	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	641.78	71.57
For Stainless Steel, Add	554.79	
For Parallel Blade Damper, Add	170.70	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	694.24	76.80
For Stainless Steel, Add	603.02	
For Parallel Blade Damper, Add	185.54	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	765.28	81.86
For Stainless Steel, Add	675.40	
For Parallel Blade Damper, Add	207.82	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	854.80	86.93
For Stainless Steel, Add	771.81	
For Parallel Blade Damper, Add	237.48	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	924.31	89.54
For Stainless Steel, Add	852.19	
For Parallel Blade Damper, Add	262.21	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,012.43	92.00
For Stainless Steel, Add	956.76	
For Parallel Blade Damper, Add	294.39	
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,101.96	97.22
For Stainless Steel, Add	1,053.18	
For Parallel Blade Damper, Add	324.06	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,173.04	102.29
For Stainless Steel, Add	1,125.62	
For Parallel Blade Damper, Add	346.34	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,270.28	109.97
For Stainless Steel, Add	1,222.08	
For Parallel Blade Damper, Add	376.02	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,347.49	115.03
For Stainless Steel, Add	1,302.51	
For Parallel Blade Damper, Add	400.77	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.95	46.08
For Stainless Steel, Add	377.95	
For Parallel Blade Damper, Add	116.29	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	475.18	51.14
For Stainless Steel, Add	418.08	
For Parallel Blade Damper, Add	128.64	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	509.11	56.21
For Stainless Steel, Add	442.22	
For Parallel Blade Damper, Add	136.07	
23 33 13 13-0155 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	530.62	61.44
For Stainless Steel, Add	450.22	
For Parallel Blade Damper, Add	138.53	
23 33 13 13-0156 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	580.03	66.50
For Stainless Steel, Add	494.48	
For Parallel Blade Damper, Add	152.15	
23 33 13 13-0157 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	629.40	71.57
For Stainless Steel, Add	538.69	
For Parallel Blade Damper, Add	165.75	
23 33 13 13-0158 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	678.76	76.80
For Stainless Steel, Add	582.89	
For Parallel Blade Damper, Add	179.35	
23 33 13 13-0159 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	728.13	81.86
For Stainless Steel, Add	627.11	
For Parallel Blade Damper, Add	192.96	
23 33 13 13-0160 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	817.70	86.93
For Stainless Steel, Add	723.58	
For Parallel Blade Damper, Add	222.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	899.63	89.54
			<i>For Stainless Steel, Add</i>	820.11	
			<i>For Parallel Blade Damper, Add</i>	252.34	
23 33 13	13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	975.33	92.00
			<i>For Stainless Steel, Add</i>	908.53	
			<i>For Parallel Blade Damper, Add</i>	279.55	
23 33 13	13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,077.28	97.22
			<i>For Stainless Steel, Add</i>	1,021.10	
			<i>For Parallel Blade Damper, Add</i>	314.18	
23 33 13	13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,166.84	102.29
			<i>For Stainless Steel, Add</i>	1,117.56	
			<i>For Parallel Blade Damper, Add</i>	343.86	
23 33 13	13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,262.60	107.35
			<i>For Stainless Steel, Add</i>	1,222.08	
			<i>For Parallel Blade Damper, Add</i>	376.02	
23 33 13	13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,339.83	112.58
			<i>For Stainless Steel, Add</i>	1,302.51	
			<i>For Parallel Blade Damper, Add</i>	400.77	
23 33 13	13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,435.57	117.65
			<i>For Stainless Steel, Add</i>	1,407.03	
			<i>For Parallel Blade Damper, Add</i>	432.93	
23 33 13	13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,531.33	122.71
			<i>For Stainless Steel, Add</i>	1,511.55	
			<i>For Parallel Blade Damper, Add</i>	465.09	
23 33 13	13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	462.84	51.14
			<i>For Stainless Steel, Add</i>	402.04	
			<i>For Parallel Blade Damper, Add</i>	123.70	
23 33 13	13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	509.11	56.21
			<i>For Stainless Steel, Add</i>	442.22	
			<i>For Parallel Blade Damper, Add</i>	136.07	
23 33 13	13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	536.81	61.44
			<i>For Stainless Steel, Add</i>	458.26	
			<i>For Parallel Blade Damper, Add</i>	141.00	
23 33 13	13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	558.40	66.50
			<i>For Stainless Steel, Add</i>	466.36	
			<i>For Parallel Blade Damper, Add</i>	143.50	
23 33 13	13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	610.87	71.57
			<i>For Stainless Steel, Add</i>	514.61	
			<i>For Parallel Blade Damper, Add</i>	158.34	
23 33 13	13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	663.29	76.80
			<i>For Stainless Steel, Add</i>	562.78	
			<i>For Parallel Blade Damper, Add</i>	173.16	
23 33 13	13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	718.85	81.86
			<i>For Stainless Steel, Add</i>	615.04	
			<i>For Parallel Blade Damper, Add</i>	189.24	
23 33 13	13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	774.41	86.93
			<i>For Stainless Steel, Add</i>	667.30	
			<i>For Parallel Blade Damper, Add</i>	205.32	
23 33 13	13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	862.48	89.54
			<i>For Stainless Steel, Add</i>	771.81	
			<i>For Parallel Blade Damper, Add</i>	237.48	
23 33 13	13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	944.37	92.00
			<i>For Stainless Steel, Add</i>	868.28	
			<i>For Parallel Blade Damper, Add</i>	267.16	
23 33 13	13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,040.17	97.22
			<i>For Stainless Steel, Add</i>	972.86	
			<i>For Parallel Blade Damper, Add</i>	299.34	
23 33 13	13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,135.93	102.29
			<i>For Stainless Steel, Add</i>	1,077.38	
			<i>For Parallel Blade Damper, Add</i>	331.50	
23 33 13	13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,213.12	107.35
			<i>For Stainless Steel, Add</i>	1,157.75	
			<i>For Parallel Blade Damper, Add</i>	356.23	
23 33 13	13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,327.41	112.58
			<i>For Stainless Steel, Add</i>	1,286.36	
			<i>For Parallel Blade Damper, Add</i>	395.80	
23 33 13	13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,429.34	117.65
			<i>For Stainless Steel, Add</i>	1,398.93	
			<i>For Parallel Blade Damper, Add</i>	430.44	
23 33 13	13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,531.33	122.71
			<i>For Stainless Steel, Add</i>	1,511.55	
			<i>For Parallel Blade Damper, Add</i>	465.09	
23 33 13	13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,620.81	127.94
			<i>For Stainless Steel, Add</i>	1,607.91	
			<i>For Parallel Blade Damper, Add</i>	494.74	
23 33 13	13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,710.46	133.01
			<i>For Stainless Steel, Add</i>	1,704.48	
			<i>For Parallel Blade Damper, Add</i>	524.46	

23 33 13 16 Fire Dampers (23 33 13)

23 33 13 16-0001 Fire Dampers (23 33 13 16)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0002 SF Curtain Type, Vertical, Fire Damper	150.35	16.59
For Smoke Damper, Add	85.37	
For Spring Activated Horizontal Mount Operation, Add	22.60	
For Dynamic Damper, Add	54.23	
For 3 Hour Rated, Add	30.13	
23 33 13 16-0003 SF Louver Type, Vertical, Fire Damper	205.14	16.59
For Smoke Damper, Add	131.94	
For Spring Activated Horizontal Mount Operation, Add	34.92	
For Dynamic Damper, Add	83.82	
For 3 Hour Rated, Add	46.57	
23 33 13 16-0004 Folding Curtain Fire Dampers <small>(23 33 13 16)</small>		
Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.99	17.05
For Spring Activated Horizontal Mount Operation, Add	6.72	
For Dynamic Damper, Add	16.12	
For 3 Hour Rated, Add	8.96	
For Cap Of Damper Blades Outside Air Stream, Add	7.46	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.41	17.81
For Spring Activated Horizontal Mount Operation, Add	7.19	
For Dynamic Damper, Add	17.26	
For 3 Hour Rated, Add	9.59	
For Cap Of Damper Blades Outside Air Stream, Add	7.99	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.86	17.97
For Spring Activated Horizontal Mount Operation, Add	7.67	
For Dynamic Damper, Add	18.41	
For 3 Hour Rated, Add	10.23	
For Cap Of Damper Blades Outside Air Stream, Add	8.53	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.86	17.97
For Spring Activated Horizontal Mount Operation, Add	7.67	
For Dynamic Damper, Add	18.41	
For 3 Hour Rated, Add	10.23	
For Cap Of Damper Blades Outside Air Stream, Add	8.53	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.53	18.44
For Spring Activated Horizontal Mount Operation, Add	8.15	
For Dynamic Damper, Add	19.56	
For 3 Hour Rated, Add	10.87	
For Cap Of Damper Blades Outside Air Stream, Add	9.06	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.93	20.43
For Spring Activated Horizontal Mount Operation, Add	9.11	
For Dynamic Damper, Add	21.86	
For 3 Hour Rated, Add	12.15	
For Cap Of Damper Blades Outside Air Stream, Add	10.12	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.53	18.44
For Spring Activated Horizontal Mount Operation, Add	8.15	
For Dynamic Damper, Add	19.56	
For 3 Hour Rated, Add	10.87	
For Cap Of Damper Blades Outside Air Stream, Add	9.06	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.85	19.50
For Spring Activated Horizontal Mount Operation, Add	9.11	
For Dynamic Damper, Add	21.86	
For 3 Hour Rated, Add	12.15	
For Cap Of Damper Blades Outside Air Stream, Add	10.12	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.06	20.43
For Spring Activated Horizontal Mount Operation, Add	9.59	
For Dynamic Damper, Add	23.01	
For 3 Hour Rated, Add	12.79	
For Cap Of Damper Blades Outside Air Stream, Add	10.66	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.88	23.04
For Spring Activated Horizontal Mount Operation, Add	10.07	
For Dynamic Damper, Add	24.17	
For 3 Hour Rated, Add	13.43	
For Cap Of Damper Blades Outside Air Stream, Add	11.19	
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.79	19.50
For Spring Activated Horizontal Mount Operation, Add	8.87	
For Dynamic Damper, Add	21.29	
For 3 Hour Rated, Add	11.83	
For Cap Of Damper Blades Outside Air Stream, Add	9.86	
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.06	20.43
For Spring Activated Horizontal Mount Operation, Add	9.59	
For Dynamic Damper, Add	23.01	
For 3 Hour Rated, Add	12.79	
For Cap Of Damper Blades Outside Air Stream, Add	10.66	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.26	21.50
For Spring Activated Horizontal Mount Operation, Add	10.07	
For Dynamic Damper, Add	24.17	
For 3 Hour Rated, Add	13.43	
For Cap Of Damper Blades Outside Air Stream, Add	11.19	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.02	23.04
For Spring Activated Horizontal Mount Operation, Add	10.55	
For Dynamic Damper, Add	25.33	
For 3 Hour Rated, Add	14.07	
For Cap Of Damper Blades Outside Air Stream, Add	11.73	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.03	25.65
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.75	
		<i>For Dynamic Damper, Add</i>	28.20	
		<i>For 3 Hour Rated, Add</i>	15.67	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.06	
23 33 13 16-0020	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.06	20.43
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.59	
		<i>For Dynamic Damper, Add</i>	23.01	
		<i>For 3 Hour Rated, Add</i>	12.79	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.66	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.80	21.96
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.07	
		<i>For Dynamic Damper, Add</i>	24.17	
		<i>For 3 Hour Rated, Add</i>	13.43	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.19	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.08	24.11
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.55	
		<i>For Dynamic Damper, Add</i>	25.33	
		<i>For 3 Hour Rated, Add</i>	14.07	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.73	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.81	25.65
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.03	
		<i>For Dynamic Damper, Add</i>	26.47	
		<i>For 3 Hour Rated, Add</i>	14.70	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.25	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.84	28.11
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.23	
		<i>For Dynamic Damper, Add</i>	29.35	
		<i>For 3 Hour Rated, Add</i>	16.31	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.59	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.85	30.72
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.43	
		<i>For Dynamic Damper, Add</i>	32.23	
		<i>For 3 Hour Rated, Add</i>	17.91	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.92	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.26	21.50
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.07	
		<i>For Dynamic Damper, Add</i>	24.17	
		<i>For 3 Hour Rated, Add</i>	13.43	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.19	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.07	23.04
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.79	
		<i>For Dynamic Damper, Add</i>	25.89	
		<i>For 3 Hour Rated, Add</i>	14.39	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.99	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.97	25.65
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.51	
		<i>For Dynamic Damper, Add</i>	27.63	
		<i>For 3 Hour Rated, Add</i>	15.35	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.79	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.98	28.11
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.71	
		<i>For Dynamic Damper, Add</i>	30.51	
		<i>For 3 Hour Rated, Add</i>	16.95	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.13	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.91	30.72
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.67	
		<i>For Dynamic Damper, Add</i>	32.81	
		<i>For 3 Hour Rated, Add</i>	18.23	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.19	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.92	33.17
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.87	
		<i>For Dynamic Damper, Add</i>	35.68	
		<i>For 3 Hour Rated, Add</i>	19.82	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.80	35.78
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.59	
		<i>For Dynamic Damper, Add</i>	37.41	
		<i>For 3 Hour Rated, Add</i>	20.78	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.32	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.02	23.04
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.55	
		<i>For Dynamic Damper, Add</i>	25.33	
		<i>For 3 Hour Rated, Add</i>	14.07	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.73	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.95	25.65
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.51	
		<i>For Dynamic Damper, Add</i>	27.62	
		<i>For 3 Hour Rated, Add</i>	15.35	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.79	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.90	28.11
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.47	
		<i>For Dynamic Damper, Add</i>	29.93	
		<i>For 3 Hour Rated, Add</i>	16.63	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.12	30.72
For Spring Activated Horizontal Mount Operation, Add	14.39	
For Dynamic Damper, Add	34.54	
For 3 Hour Rated, Add	19.19	
For Cap Of Damper Blades Outside Air Stream, Add	15.99	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.00	33.17
For Spring Activated Horizontal Mount Operation, Add	15.11	
For Dynamic Damper, Add	36.27	
For 3 Hour Rated, Add	20.15	
For Cap Of Damper Blades Outside Air Stream, Add	16.79	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.87	35.78
For Spring Activated Horizontal Mount Operation, Add	15.83	
For Dynamic Damper, Add	37.99	
For 3 Hour Rated, Add	21.11	
For Cap Of Damper Blades Outside Air Stream, Add	17.99	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.81	38.40
For Spring Activated Horizontal Mount Operation, Add	16.79	
For Dynamic Damper, Add	40.29	
For 3 Hour Rated, Add	22.38	
For Cap Of Damper Blades Outside Air Stream, Add	18.65	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.72	40.85
For Spring Activated Horizontal Mount Operation, Add	17.74	
For Dynamic Damper, Add	42.58	
For 3 Hour Rated, Add	23.66	
For Cap Of Damper Blades Outside Air Stream, Add	19.72	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.08	25.65
For Spring Activated Horizontal Mount Operation, Add	11.99	
For Dynamic Damper, Add	28.77	
For 3 Hour Rated, Add	15.98	
For Cap Of Damper Blades Outside Air Stream, Add	13.32	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.17	28.11
For Spring Activated Horizontal Mount Operation, Add	13.43	
For Dynamic Damper, Add	32.23	
For 3 Hour Rated, Add	17.91	
For Cap Of Damper Blades Outside Air Stream, Add	14.92	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.12	30.72
For Spring Activated Horizontal Mount Operation, Add	14.39	
For Dynamic Damper, Add	34.54	
For 3 Hour Rated, Add	19.19	
For Cap Of Damper Blades Outside Air Stream, Add	15.99	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.19	33.17
For Spring Activated Horizontal Mount Operation, Add	15.83	
For Dynamic Damper, Add	37.99	
For 3 Hour Rated, Add	21.11	
For Cap Of Damper Blades Outside Air Stream, Add	17.99	
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.07	35.78
For Spring Activated Horizontal Mount Operation, Add	16.55	
For Dynamic Damper, Add	39.72	
For 3 Hour Rated, Add	22.07	
For Cap Of Damper Blades Outside Air Stream, Add	18.39	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.94	38.40
For Spring Activated Horizontal Mount Operation, Add	17.27	
For Dynamic Damper, Add	41.44	
For 3 Hour Rated, Add	23.02	
For Cap Of Damper Blades Outside Air Stream, Add	19.19	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	205.99	40.85
For Spring Activated Horizontal Mount Operation, Add	18.70	
For Dynamic Damper, Add	44.89	
For 3 Hour Rated, Add	24.94	
For Cap Of Damper Blades Outside Air Stream, Add	20.78	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.74	46.08
For Spring Activated Horizontal Mount Operation, Add	20.14	
For Dynamic Damper, Add	48.34	
For 3 Hour Rated, Add	26.86	
For Cap Of Damper Blades Outside Air Stream, Add	22.38	
23 33 13 16-0049 EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.64	51.14
For Spring Activated Horizontal Mount Operation, Add	22.06	
For Dynamic Damper, Add	52.95	
For 3 Hour Rated, Add	29.42	
For Cap Of Damper Blades Outside Air Stream, Add	24.52	
23 33 13 16-0050 EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.17	28.11
For Spring Activated Horizontal Mount Operation, Add	13.43	
For Dynamic Damper, Add	32.23	
For 3 Hour Rated, Add	17.91	
For Cap Of Damper Blades Outside Air Stream, Add	14.92	
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.12	30.72
For Spring Activated Horizontal Mount Operation, Add	14.39	
For Dynamic Damper, Add	34.54	
For 3 Hour Rated, Add	19.19	
For Cap Of Damper Blades Outside Air Stream, Add	15.99	
23 33 13 16-0052 EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.19	33.17
For Spring Activated Horizontal Mount Operation, Add	15.83	
For Dynamic Damper, Add	37.99	
For 3 Hour Rated, Add	21.11	
For Cap Of Damper Blades Outside Air Stream, Add	17.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0053 EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.13	35.78
For Spring Activated Horizontal Mount Operation, Add	16.79	
For Dynamic Damper, Add	40.29	
For 3 Hour Rated, Add	22.38	
For Cap Of Damper Blades Outside Air Stream, Add	18.65	
23 33 13 16-0054 EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.14	38.40
For Spring Activated Horizontal Mount Operation, Add	17.99	
For Dynamic Damper, Add	43.17	
For 3 Hour Rated, Add	23.98	
For Cap Of Damper Blades Outside Air Stream, Add	19.99	
23 33 13 16-0055 EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.11	40.85
For Spring Activated Horizontal Mount Operation, Add	19.18	
For Dynamic Damper, Add	46.04	
For 3 Hour Rated, Add	25.58	
For Cap Of Damper Blades Outside Air Stream, Add	21.31	
23 33 13 16-0056 EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.87	46.08
For Spring Activated Horizontal Mount Operation, Add	20.62	
For Dynamic Damper, Add	49.49	
For 3 Hour Rated, Add	27.50	
For Cap Of Damper Blades Outside Air Stream, Add	22.91	
23 33 13 16-0057 EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.64	51.14
For Spring Activated Horizontal Mount Operation, Add	22.06	
For Dynamic Damper, Add	52.95	
For 3 Hour Rated, Add	29.42	
For Cap Of Damper Blades Outside Air Stream, Add	24.52	
23 33 13 16-0058 EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	272.10	53.76
For Spring Activated Horizontal Mount Operation, Add	24.94	
For Dynamic Damper, Add	59.85	
For 3 Hour Rated, Add	33.25	
For Cap Of Damper Blades Outside Air Stream, Add	27.71	
23 33 13 16-0059 EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	298.12	58.82
For Spring Activated Horizontal Mount Operation, Add	27.34	
For Dynamic Damper, Add	65.61	
For 3 Hour Rated, Add	36.45	
For Cap Of Damper Blades Outside Air Stream, Add	30.38	
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	162.51	30.72
For Spring Activated Horizontal Mount Operation, Add	15.83	
For Dynamic Damper, Add	37.99	
For 3 Hour Rated, Add	21.11	
For Cap Of Damper Blades Outside Air Stream, Add	17.59	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.31	33.17
For Spring Activated Horizontal Mount Operation, Add	16.31	
For Dynamic Damper, Add	39.13	
For 3 Hour Rated, Add	21.74	
For Cap Of Damper Blades Outside Air Stream, Add	18.12	
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.13	35.78
For Spring Activated Horizontal Mount Operation, Add	16.79	
For Dynamic Damper, Add	40.29	
For 3 Hour Rated, Add	22.38	
For Cap Of Damper Blades Outside Air Stream, Add	18.65	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.06	38.40
For Spring Activated Horizontal Mount Operation, Add	17.74	
For Dynamic Damper, Add	42.58	
For 3 Hour Rated, Add	23.66	
For Cap Of Damper Blades Outside Air Stream, Add	19.72	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.52	40.85
For Spring Activated Horizontal Mount Operation, Add	19.27	
For Dynamic Damper, Add	46.26	
For 3 Hour Rated, Add	25.70	
For Cap Of Damper Blades Outside Air Stream, Add	21.42	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.87	46.08
For Spring Activated Horizontal Mount Operation, Add	20.62	
For Dynamic Damper, Add	49.49	
For 3 Hour Rated, Add	27.50	
For Cap Of Damper Blades Outside Air Stream, Add	22.91	
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	253.78	51.14
For Spring Activated Horizontal Mount Operation, Add	22.55	
For Dynamic Damper, Add	54.11	
For 3 Hour Rated, Add	30.06	
For Cap Of Damper Blades Outside Air Stream, Add	25.05	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.66	56.21
For Spring Activated Horizontal Mount Operation, Add	24.46	
For Dynamic Damper, Add	58.71	
For 3 Hour Rated, Add	32.62	
For Cap Of Damper Blades Outside Air Stream, Add	27.18	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	298.12	58.82
For Spring Activated Horizontal Mount Operation, Add	27.34	
For Dynamic Damper, Add	65.61	
For 3 Hour Rated, Add	36.45	
For Cap Of Damper Blades Outside Air Stream, Add	30.38	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	325.35	62.98
For Spring Activated Horizontal Mount Operation, Add	30.70	
For Dynamic Damper, Add	73.67	
For 3 Hour Rated, Add	40.93	
For Cap Of Damper Blades Outside Air Stream, Add	34.11	



Heating, Ventilating, and Air-Conditioning (HVAC) 23

HVAC Air Distribution 23 30

Air Duct Accessories 23 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.14	66.50
For Spring Activated Horizontal Mount Operation, Add	34.53	
For Dynamic Damper, Add	82.88	
For 3 Hour Rated, Add	46.04	
For Cap Of Damper Blades Outside Air Stream, Add	38.37	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.58	33.17
For Spring Activated Horizontal Mount Operation, Add	17.27	
For Dynamic Damper, Add	41.44	
For 3 Hour Rated, Add	23.02	
For Cap Of Damper Blades Outside Air Stream, Add	19.19	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.51	35.78
For Spring Activated Horizontal Mount Operation, Add	18.22	
For Dynamic Damper, Add	43.73	
For 3 Hour Rated, Add	24.30	
For Cap Of Damper Blades Outside Air Stream, Add	20.25	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.45	38.40
For Spring Activated Horizontal Mount Operation, Add	19.18	
For Dynamic Damper, Add	46.04	
For 3 Hour Rated, Add	25.58	
For Cap Of Damper Blades Outside Air Stream, Add	21.31	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.51	40.85
For Spring Activated Horizontal Mount Operation, Add	20.62	
For Dynamic Damper, Add	49.49	
For 3 Hour Rated, Add	27.50	
For Cap Of Damper Blades Outside Air Stream, Add	22.91	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	233.09	46.08
For Spring Activated Horizontal Mount Operation, Add	21.35	
For Dynamic Damper, Add	51.23	
For 3 Hour Rated, Add	28.46	
For Cap Of Damper Blades Outside Air Stream, Add	23.72	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.96	48.53
For Spring Activated Horizontal Mount Operation, Add	22.06	
For Dynamic Damper, Add	52.95	
For 3 Hour Rated, Add	29.42	
For Cap Of Damper Blades Outside Air Stream, Add	24.52	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.66	56.21
For Spring Activated Horizontal Mount Operation, Add	24.46	
For Dynamic Damper, Add	58.71	
For 3 Hour Rated, Add	32.62	
For Cap Of Damper Blades Outside Air Stream, Add	27.18	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	303.66	61.44
For Spring Activated Horizontal Mount Operation, Add	26.86	
For Dynamic Damper, Add	64.45	
For 3 Hour Rated, Add	35.81	
For Cap Of Damper Blades Outside Air Stream, Add	29.84	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.96	63.43
For Spring Activated Horizontal Mount Operation, Add	16.99	
For Dynamic Damper, Add	40.78	
For 3 Hour Rated, Add	22.66	
For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.49	68.04
For Spring Activated Horizontal Mount Operation, Add	33.57	
For Dynamic Damper, Add	80.57	
For 3 Hour Rated, Add	44.76	
For Cap Of Damper Blades Outside Air Stream, Add	37.30	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	379.14	71.57
For Spring Activated Horizontal Mount Operation, Add	36.93	
For Dynamic Damper, Add	88.62	
For 3 Hour Rated, Add	49.24	
For Cap Of Damper Blades Outside Air Stream, Add	41.03	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	403.87	74.18
For Spring Activated Horizontal Mount Operation, Add	40.76	
For Dynamic Damper, Add	97.83	
For 3 Hour Rated, Add	54.35	
For Cap Of Damper Blades Outside Air Stream, Add	45.29	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.38	38.40
For Spring Activated Horizontal Mount Operation, Add	17.74	
For Dynamic Damper, Add	42.58	
For 3 Hour Rated, Add	23.66	
For Cap Of Damper Blades Outside Air Stream, Add	19.72	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.58	40.85
For Spring Activated Horizontal Mount Operation, Add	19.66	
For Dynamic Damper, Add	47.19	
For 3 Hour Rated, Add	26.21	
For Cap Of Damper Blades Outside Air Stream, Add	21.85	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.38	43.46
For Spring Activated Horizontal Mount Operation, Add	20.14	
For Dynamic Damper, Add	48.34	
For 3 Hour Rated, Add	26.86	
For Cap Of Damper Blades Outside Air Stream, Add	22.38	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.19	46.08
For Spring Activated Horizontal Mount Operation, Add	20.62	
For Dynamic Damper, Add	49.49	
For 3 Hour Rated, Add	27.50	
For Cap Of Damper Blades Outside Air Stream, Add	22.91	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	245.02	48.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.30	
			<i>For Dynamic Damper, Add</i>	53.52	
			<i>For 3 Hour Rated, Add</i>	29.74	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.78	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.17	51.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
			<i>For Dynamic Damper, Add</i>	57.56	
			<i>For 3 Hour Rated, Add</i>	31.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.73	58.82
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.90	
			<i>For Dynamic Damper, Add</i>	62.16	
			<i>For 3 Hour Rated, Add</i>	34.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.78	
23 33 13 16-0090	EA		40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.62	63.89
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
			<i>For Dynamic Damper, Add</i>	66.77	
			<i>For 3 Hour Rated, Add</i>	37.09	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0091	EA		40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.71	68.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
			<i>For Dynamic Damper, Add</i>	73.67	
			<i>For 3 Hour Rated, Add</i>	40.93	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.89	71.57
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.97	
			<i>For Dynamic Damper, Add</i>	86.33	
			<i>For 3 Hour Rated, Add</i>	47.96	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.97	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	399.95	75.72
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	38.85	
			<i>For Dynamic Damper, Add</i>	93.23	
			<i>For 3 Hour Rated, Add</i>	51.80	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	43.16	
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	429.57	77.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.12	
			<i>For Dynamic Damper, Add</i>	105.90	
			<i>For 3 Hour Rated, Add</i>	58.83	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	49.03	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	463.17	81.86
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	48.92	
			<i>For Dynamic Damper, Add</i>	117.41	
			<i>For 3 Hour Rated, Add</i>	65.23	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	54.36	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.33	38.40
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.70	
			<i>For Dynamic Damper, Add</i>	44.89	
			<i>For 3 Hour Rated, Add</i>	24.94	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.78	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.51	40.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
			<i>For Dynamic Damper, Add</i>	49.49	
			<i>For 3 Hour Rated, Add</i>	27.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0098	EA		44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.60	43.46
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06	
			<i>For Dynamic Damper, Add</i>	52.95	
			<i>For 3 Hour Rated, Add</i>	29.42	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52	
23 33 13 16-0099	EA		44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.42	46.08
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
			<i>For Dynamic Damper, Add</i>	54.11	
			<i>For 3 Hour Rated, Add</i>	30.06	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.62	48.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.46	
			<i>For Dynamic Damper, Add</i>	58.71	
			<i>For 3 Hour Rated, Add</i>	32.62	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.18	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	270.83	51.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.38	
			<i>For Dynamic Damper, Add</i>	63.32	
			<i>For 3 Hour Rated, Add</i>	35.18	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.31	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	312.21	61.44
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.78	
			<i>For Dynamic Damper, Add</i>	69.07	
			<i>For 3 Hour Rated, Add</i>	38.37	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	31.98	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	338.21	66.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.17	
			<i>For Dynamic Damper, Add</i>	74.82	
			<i>For 3 Hour Rated, Add</i>	41.57	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.89	71.57
For Spring Activated Horizontal Mount Operation, Add	35.97	
For Dynamic Damper, Add	86.33	
For 3 Hour Rated, Add	47.96	
For Cap Of Damper Blades Outside Air Stream, Add	39.97	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	409.44	76.80
For Spring Activated Horizontal Mount Operation, Add	40.29	
For Dynamic Damper, Add	96.69	
For 3 Hour Rated, Add	53.72	
For Cap Of Damper Blades Outside Air Stream, Add	44.77	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	446.10	81.86
For Spring Activated Horizontal Mount Operation, Add	45.08	
For Dynamic Damper, Add	108.19	
For 3 Hour Rated, Add	60.11	
For Cap Of Damper Blades Outside Air Stream, Add	50.09	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.96	84.32
For Spring Activated Horizontal Mount Operation, Add	49.40	
For Dynamic Damper, Add	118.55	
For 3 Hour Rated, Add	65.86	
For Cap Of Damper Blades Outside Air Stream, Add	54.89	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	499.83	86.93
For Spring Activated Horizontal Mount Operation, Add	53.71	
For Dynamic Damper, Add	128.91	
For 3 Hour Rated, Add	71.62	
For Cap Of Damper Blades Outside Air Stream, Add	59.68	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	526.71	89.54
For Spring Activated Horizontal Mount Operation, Add	58.03	
For Dynamic Damper, Add	139.28	
For 3 Hour Rated, Add	77.38	
For Cap Of Damper Blades Outside Air Stream, Add	64.48	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.38	40.85
For Spring Activated Horizontal Mount Operation, Add	20.14	
For Dynamic Damper, Add	48.34	
For 3 Hour Rated, Add	26.86	
For Cap Of Damper Blades Outside Air Stream, Add	22.38	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.60	43.46
For Spring Activated Horizontal Mount Operation, Add	22.06	
For Dynamic Damper, Add	52.95	
For 3 Hour Rated, Add	29.42	
For Cap Of Damper Blades Outside Air Stream, Add	24.52	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.42	46.08
For Spring Activated Horizontal Mount Operation, Add	22.55	
For Dynamic Damper, Add	54.11	
For 3 Hour Rated, Add	30.06	
For Cap Of Damper Blades Outside Air Stream, Add	25.05	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.17	51.14
For Spring Activated Horizontal Mount Operation, Add	23.98	
For Dynamic Damper, Add	57.56	
For 3 Hour Rated, Add	31.98	
For Cap Of Damper Blades Outside Air Stream, Add	26.65	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.05	56.21
For Spring Activated Horizontal Mount Operation, Add	25.90	
For Dynamic Damper, Add	62.16	
For 3 Hour Rated, Add	34.53	
For Cap Of Damper Blades Outside Air Stream, Add	28.78	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	307.94	61.44
For Spring Activated Horizontal Mount Operation, Add	27.82	
For Dynamic Damper, Add	66.77	
For 3 Hour Rated, Add	37.09	
For Cap Of Damper Blades Outside Air Stream, Add	30.91	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	336.09	66.50
For Spring Activated Horizontal Mount Operation, Add	30.70	
For Dynamic Damper, Add	73.67	
For 3 Hour Rated, Add	40.93	
For Cap Of Damper Blades Outside Air Stream, Add	34.11	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.23	71.57
For Spring Activated Horizontal Mount Operation, Add	33.57	
For Dynamic Damper, Add	80.57	
For 3 Hour Rated, Add	44.76	
For Cap Of Damper Blades Outside Air Stream, Add	37.30	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	398.78	76.80
For Spring Activated Horizontal Mount Operation, Add	37.89	
For Dynamic Damper, Add	90.94	
For 3 Hour Rated, Add	50.52	
For Cap Of Damper Blades Outside Air Stream, Add	42.10	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.57	81.86
For Spring Activated Horizontal Mount Operation, Add	43.16	
For Dynamic Damper, Add	103.59	
For 3 Hour Rated, Add	57.55	
For Cap Of Damper Blades Outside Air Stream, Add	47.96	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	464.46	84.32
For Spring Activated Horizontal Mount Operation, Add	47.48	
For Dynamic Damper, Add	113.96	
For 3 Hour Rated, Add	63.31	
For Cap Of Damper Blades Outside Air Stream, Add	52.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	497.69	86.93
		For Spring Activated Horizontal Mount Operation, Add	53.23	
		For Dynamic Damper, Add	127.76	
		For 3 Hour Rated, Add	70.98	
		For Cap Of Damper Blades Outside Air Stream, Add	59.15	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	532.26	92.00
		For Spring Activated Horizontal Mount Operation, Add	57.56	
		For Dynamic Damper, Add	138.13	
		For 3 Hour Rated, Add	76.74	
		For Cap Of Damper Blades Outside Air Stream, Add	63.95	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	565.51	94.61
		For Spring Activated Horizontal Mount Operation, Add	63.31	
		For Dynamic Damper, Add	151.94	
		For 3 Hour Rated, Add	84.41	
		For Cap Of Damper Blades Outside Air Stream, Add	70.34	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	605.60	102.29
		For Spring Activated Horizontal Mount Operation, Add	67.14	
		For Dynamic Damper, Add	161.15	
		For 3 Hour Rated, Add	89.53	
		For Cap Of Damper Blades Outside Air Stream, Add	74.61	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.47	43.46
		For Spring Activated Horizontal Mount Operation, Add	21.58	
		For Dynamic Damper, Add	51.80	
		For 3 Hour Rated, Add	28.78	
		For Cap Of Damper Blades Outside Air Stream, Add	23.98	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.67	46.08
		For Spring Activated Horizontal Mount Operation, Add	23.50	
		For Dynamic Damper, Add	56.40	
		For 3 Hour Rated, Add	31.34	
		For Cap Of Damper Blades Outside Air Stream, Add	26.11	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.56	51.14
		For Spring Activated Horizontal Mount Operation, Add	25.42	
		For Dynamic Damper, Add	61.01	
		For 3 Hour Rated, Add	33.89	
		For Cap Of Damper Blades Outside Air Stream, Add	28.25	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.05	56.21
		For Spring Activated Horizontal Mount Operation, Add	25.90	
		For Dynamic Damper, Add	62.16	
		For 3 Hour Rated, Add	34.53	
		For Cap Of Damper Blades Outside Air Stream, Add	28.78	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.01	61.44
		For Spring Activated Horizontal Mount Operation, Add	28.06	
		For Dynamic Damper, Add	67.34	
		For 3 Hour Rated, Add	37.41	
		For Cap Of Damper Blades Outside Air Stream, Add	31.18	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.96	66.50
		For Spring Activated Horizontal Mount Operation, Add	30.22	
		For Dynamic Damper, Add	72.52	
		For 3 Hour Rated, Add	40.29	
		For Cap Of Damper Blades Outside Air Stream, Add	33.58	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.11	71.57
		For Spring Activated Horizontal Mount Operation, Add	33.10	
		For Dynamic Damper, Add	79.43	
		For 3 Hour Rated, Add	44.13	
		For Cap Of Damper Blades Outside Air Stream, Add	36.77	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.25	76.80
		For Spring Activated Horizontal Mount Operation, Add	35.97	
		For Dynamic Damper, Add	86.33	
		For 3 Hour Rated, Add	47.96	
		For Cap Of Damper Blades Outside Air Stream, Add	39.97	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	424.80	81.86
		For Spring Activated Horizontal Mount Operation, Add	40.29	
		For Dynamic Damper, Add	96.69	
		For 3 Hour Rated, Add	53.72	
		For Cap Of Damper Blades Outside Air Stream, Add	44.77	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	465.73	86.93
		For Spring Activated Horizontal Mount Operation, Add	46.04	
		For Dynamic Damper, Add	110.50	
		For 3 Hour Rated, Add	61.39	
		For Cap Of Damper Blades Outside Air Stream, Add	51.16	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	494.71	89.54
		For Spring Activated Horizontal Mount Operation, Add	50.83	
		For Dynamic Damper, Add	122.00	
		For 3 Hour Rated, Add	67.78	
		For Cap Of Damper Blades Outside Air Stream, Add	56.48	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	530.12	92.00
		For Spring Activated Horizontal Mount Operation, Add	57.07	
		For Dynamic Damper, Add	136.98	
		For 3 Hour Rated, Add	76.10	
		For Cap Of Damper Blades Outside Air Stream, Add	63.42	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	571.04	97.22
		For Spring Activated Horizontal Mount Operation, Add	62.82	
		For Dynamic Damper, Add	150.78	
		For 3 Hour Rated, Add	83.77	
		For Cap Of Damper Blades Outside Air Stream, Add	69.81	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
Air Duct Accessories	23 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	605.60	102.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>67.14</i>	
<i>For Dynamic Damper, Add</i>	<i>161.15</i>	
<i>For 3 Hour Rated, Add</i>	<i>89.53</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>74.61</i>	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	654.22	109.97
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>72.90</i>	
<i>For Dynamic Damper, Add</i>	<i>174.96</i>	
<i>For 3 Hour Rated, Add</i>	<i>97.20</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>81.00</i>	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	690.88	115.03
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>77.70</i>	
<i>For Dynamic Damper, Add</i>	<i>186.47</i>	
<i>For 3 Hour Rated, Add</i>	<i>103.60</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>86.33</i>	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.42	46.08
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>22.55</i>	
<i>For Dynamic Damper, Add</i>	<i>54.11</i>	
<i>For 3 Hour Rated, Add</i>	<i>30.06</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>25.05</i>	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.42	51.14
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>24.94</i>	
<i>For Dynamic Damper, Add</i>	<i>59.85</i>	
<i>For 3 Hour Rated, Add</i>	<i>33.25</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>27.71</i>	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.19	56.21
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>26.38</i>	
<i>For Dynamic Damper, Add</i>	<i>63.32</i>	
<i>For 3 Hour Rated, Add</i>	<i>35.18</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>29.31</i>	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	303.66	61.44
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>26.86</i>	
<i>For Dynamic Damper, Add</i>	<i>64.45</i>	
<i>For 3 Hour Rated, Add</i>	<i>35.81</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>29.84</i>	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	330.76	66.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>29.50</i>	
<i>For Dynamic Damper, Add</i>	<i>70.79</i>	
<i>For 3 Hour Rated, Add</i>	<i>39.33</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>32.78</i>	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	357.84	71.57
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>32.13</i>	
<i>For Dynamic Damper, Add</i>	<i>77.12</i>	
<i>For 3 Hour Rated, Add</i>	<i>42.85</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>35.71</i>	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	384.92	76.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>34.77</i>	
<i>For Dynamic Damper, Add</i>	<i>83.45</i>	
<i>For 3 Hour Rated, Add</i>	<i>46.36</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>38.64</i>	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	412.00	81.86
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>37.41</i>	
<i>For Dynamic Damper, Add</i>	<i>89.78</i>	
<i>For 3 Hour Rated, Add</i>	<i>49.88</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>41.57</i>	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	452.93	86.93
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>43.16</i>	
<i>For Dynamic Damper, Add</i>	<i>103.59</i>	
<i>For 3 Hour Rated, Add</i>	<i>57.55</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>47.96</i>	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	486.21	89.54
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>48.92</i>	
<i>For Dynamic Damper, Add</i>	<i>117.41</i>	
<i>For 3 Hour Rated, Add</i>	<i>65.23</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>54.36</i>	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	517.33	92.00
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>54.20</i>	
<i>For Dynamic Damper, Add</i>	<i>130.07</i>	
<i>For 3 Hour Rated, Add</i>	<i>72.26</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>60.22</i>	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	562.53	97.22
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>60.91</i>	
<i>For Dynamic Damper, Add</i>	<i>146.18</i>	
<i>For 3 Hour Rated, Add</i>	<i>81.21</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>67.68</i>	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	603.47	102.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>66.67</i>	
<i>For Dynamic Damper, Add</i>	<i>160.00</i>	
<i>For 3 Hour Rated, Add</i>	<i>88.89</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>74.07</i>	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	646.54	107.35
<i>For Spring Activated Horizontal Mount Operation, Add</i>	<i>72.90</i>	
<i>For Dynamic Damper, Add</i>	<i>174.96</i>	
<i>For 3 Hour Rated, Add</i>	<i>97.20</i>	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	<i>81.00</i>	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	683.22	112.58
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.70	
		<i>For Dynamic Damper, Add</i>	186.47	
		<i>For 3 Hour Rated, Add</i>	103.60	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	86.33	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	726.27	117.65
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.93	
		<i>For Dynamic Damper, Add</i>	201.44	
		<i>For 3 Hour Rated, Add</i>	111.91	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	93.26	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	769.34	122.71
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	90.17	
		<i>For Dynamic Damper, Add</i>	216.40	
		<i>For 3 Hour Rated, Add</i>	120.22	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	100.19	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.17	51.14
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
		<i>For Dynamic Damper, Add</i>	57.56	
		<i>For 3 Hour Rated, Add</i>	31.98	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.19	56.21
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.38	
		<i>For Dynamic Damper, Add</i>	63.32	
		<i>For 3 Hour Rated, Add</i>	35.18	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.31	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.80	61.44
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.34	
		<i>For Dynamic Damper, Add</i>	65.61	
		<i>For 3 Hour Rated, Add</i>	36.45	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.38	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	323.30	66.50
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
		<i>For Dynamic Damper, Add</i>	66.77	
		<i>For 3 Hour Rated, Add</i>	37.09	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	351.45	71.57
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
		<i>For Dynamic Damper, Add</i>	73.67	
		<i>For 3 Hour Rated, Add</i>	40.93	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	379.59	76.80
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.57	
		<i>For Dynamic Damper, Add</i>	80.57	
		<i>For 3 Hour Rated, Add</i>	44.76	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.30	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	408.81	81.86
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.69	
		<i>For Dynamic Damper, Add</i>	88.06	
		<i>For 3 Hour Rated, Add</i>	48.92	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	40.77	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	438.02	86.93
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.81	
		<i>For Dynamic Damper, Add</i>	95.54	
		<i>For 3 Hour Rated, Add</i>	53.08	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.23	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	473.41	89.54
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	46.04	
		<i>For Dynamic Damper, Add</i>	110.50	
		<i>For 3 Hour Rated, Add</i>	61.39	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	51.16	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	506.66	92.00
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.80	
		<i>For Dynamic Damper, Add</i>	124.31	
		<i>For 3 Hour Rated, Add</i>	69.06	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	57.55	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	549.75	97.22
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.03	
		<i>For Dynamic Damper, Add</i>	139.28	
		<i>For 3 Hour Rated, Add</i>	77.38	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	64.48	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	592.82	102.29
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.27	
		<i>For Dynamic Damper, Add</i>	154.25	
		<i>For 3 Hour Rated, Add</i>	85.69	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	71.41	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	629.49	107.35
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	69.06	
		<i>For Dynamic Damper, Add</i>	165.75	
		<i>For 3 Hour Rated, Add</i>	92.09	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	76.74	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	678.94	112.58
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	76.73	
		<i>For Dynamic Damper, Add</i>	184.16	
		<i>For 3 Hour Rated, Add</i>	102.31	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	85.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	724.13 83.45 200.28 111.27 92.72	117.65
23 33 13	16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Cap Of Damper Blades Outside Air Stream, Add</i>	769.34 90.17 216.40 120.22 100.19	122.71
23 33 13	16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Cap Of Damper Blades Outside Air Stream, Add</i>	810.25 95.92 230.20 127.89 106.57	127.94
23 33 13	16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Cap Of Damper Blades Outside Air Stream, Add</i>	851.22 101.68 244.03 135.57 112.98	133.01
23 33 13	16-0176	Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>			
Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.					
23 33 13	16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	112.90 13.90 33.35 18.53	17.05
23 33 13	16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	117.85 14.49 34.78 19.32	17.81
23 33 13	16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	120.83 15.09 36.22 20.12	17.97
23 33 13	16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	120.83 15.09 36.22 20.12	17.97
23 33 13	16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	125.05 15.69 37.67 20.93	18.44
23 33 13	16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	136.50 16.89 40.53 22.52	20.43
23 33 13	16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	125.05 15.69 37.67 20.93	18.44
23 33 13	16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	133.42 16.89 40.53 22.52	19.50
23 33 13	16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	139.17 17.49 41.97 23.32	20.43
23 33 13	16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	149.53 18.09 43.42 24.12	23.04
23 33 13	16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	132.10 16.59 39.82 22.12	19.50
23 33 13	16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	139.17 17.49 41.97 23.32	20.43
23 33 13	16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	144.91 18.09 43.42 24.12	21.50
23 33 13	16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	152.18 18.69 44.85 24.92	23.04
23 33 13	16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	166.53 20.19 48.45 26.92	25.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0192 EA 16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.01	20.43
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.43	
<i>For Dynamic Damper, Add</i>	58.63	
<i>For 3 Hour Rated, Add</i>	32.57	
23 33 13 16-0193 EA 16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.60	21.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.10	
<i>For Dynamic Damper, Add</i>	60.24	
<i>For 3 Hour Rated, Add</i>	33.47	
23 33 13 16-0194 EA 16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.74	24.11
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.78	
<i>For Dynamic Damper, Add</i>	61.86	
<i>For 3 Hour Rated, Add</i>	34.37	
23 33 13 16-0195 EA 16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.32	25.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.44	
<i>For Dynamic Damper, Add</i>	63.46	
<i>For 3 Hour Rated, Add</i>	35.26	
23 33 13 16-0196 EA 16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.48	28.11
<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.13	
<i>For Dynamic Damper, Add</i>	67.50	
<i>For 3 Hour Rated, Add</i>	37.50	
23 33 13 16-0197 EA 16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.63	30.72
<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.81	
<i>For Dynamic Damper, Add</i>	71.53	
<i>For 3 Hour Rated, Add</i>	39.74	
23 33 13 16-0198 EA 18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.06	21.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.10	
<i>For Dynamic Damper, Add</i>	60.24	
<i>For 3 Hour Rated, Add</i>	33.47	
23 33 13 16-0199 EA 18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.16	23.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.11	
<i>For Dynamic Damper, Add</i>	62.66	
<i>For 3 Hour Rated, Add</i>	34.81	
23 33 13 16-0200 EA 18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.34	25.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.12	
<i>For Dynamic Damper, Add</i>	65.09	
<i>For 3 Hour Rated, Add</i>	36.16	
23 33 13 16-0201 EA 18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.47	28.11
<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.80	
<i>For Dynamic Damper, Add</i>	69.11	
<i>For 3 Hour Rated, Add</i>	38.40	
23 33 13 16-0202 EA 18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.11	30.72
<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.14	
<i>For Dynamic Damper, Add</i>	72.33	
<i>For 3 Hour Rated, Add</i>	40.19	
23 33 13 16-0203 EA 18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.26	33.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.82	
<i>For Dynamic Damper, Add</i>	76.37	
<i>For 3 Hour Rated, Add</i>	42.43	
23 33 13 16-0204 EA 18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.40	35.78
<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.82	
<i>For Dynamic Damper, Add</i>	78.78	
<i>For 3 Hour Rated, Add</i>	43.76	
23 33 13 16-0205 EA 20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.68	23.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.78	
<i>For Dynamic Damper, Add</i>	61.86	
<i>For 3 Hour Rated, Add</i>	34.37	
23 33 13 16-0206 EA 20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.31	25.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.11	
<i>For Dynamic Damper, Add</i>	65.08	
<i>For 3 Hour Rated, Add</i>	36.15	
23 33 13 16-0207 EA 20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.97	28.11
<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	68.30	
<i>For 3 Hour Rated, Add</i>	37.95	
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.61	30.72
<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.15	
<i>For Dynamic Damper, Add</i>	74.76	
<i>For 3 Hour Rated, Add</i>	41.54	
23 33 13 16-0209 EA 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.76	33.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.16	
<i>For Dynamic Damper, Add</i>	77.18	
<i>For 3 Hour Rated, Add</i>	42.88	
23 33 13 16-0210 EA 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.90	35.78
<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.16	
<i>For Dynamic Damper, Add</i>	79.59	
<i>For 3 Hour Rated, Add</i>	44.21	
23 33 13 16-0211 EA 20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.55	38.40
<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.50	
<i>For Dynamic Damper, Add</i>	82.81	
<i>For 3 Hour Rated, Add</i>	46.01	
23 33 13 16-0212 EA 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.16	40.85
<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.84	
<i>For Dynamic Damper, Add</i>	86.02	
<i>For 3 Hour Rated, Add</i>	47.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0213 EA 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	224.76 33.29 79.90 44.39	25.65
23 33 13 16-0214 EA 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	241.40 35.31 84.74 47.08	28.11
23 33 13 16-0215 EA 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	255.06 36.65 87.97 48.87	30.72
23 33 13 16-0216 EA 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	271.67 38.66 92.79 51.55	33.17
23 33 13 16-0217 EA 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.84 39.67 95.21 52.90	35.78
23 33 13 16-0218 EA 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	295.98 40.68 97.62 54.23	38.40
23 33 13 16-0219 EA 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	312.59 42.69 102.45 56.92	40.85
23 33 13 16-0220 EA 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	336.90 44.70 107.29 59.60	46.08
23 33 13 16-0221 EA 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	364.21 47.39 113.74 63.19	51.14
23 33 13 16-0222 EA 28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	241.40 35.31 84.74 47.08	28.11
23 33 13 16-0223 EA 28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	255.06 36.65 87.97 48.87	30.72
23 33 13 16-0224 EA 28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	271.67 38.66 92.79 51.55	33.17
23 33 13 16-0225 EA 28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.32 40.01 96.01 53.34	35.78
23 33 13 16-0226 EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	300.47 41.69 100.05 55.58	38.40
23 33 13 16-0227 EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	315.56 43.36 104.06 57.81	40.85
23 33 13 16-0228 EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	339.88 45.37 108.90 60.50	46.08
23 33 13 16-0229 EA 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	364.21 47.39 113.74 63.19	51.14
23 33 13 16-0230 EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.79 51.42 123.41 68.56	53.76
23 33 13 16-0231 EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	420.08 54.78 131.47 73.04	58.82
23 33 13 16-0232 EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	263.99 38.66 92.79 51.55	30.72
23 33 13 16-0233 EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	274.64 39.33 94.39 52.44	33.17

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0234 EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.32 40.01 96.01 53.34	35.78
23 33 13 16-0235 EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	298.95 41.34 99.23 55.13	38.40
23 33 13 16-0236 EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	316.13 43.49 104.37 57.98	40.85
23 33 13 16-0237 EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	339.88 45.37 108.90 60.50	46.08
23 33 13 16-0238 EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	367.21 48.07 115.36 64.09	51.14
23 33 13 16-0239 EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	394.50 50.75 121.80 67.67	56.21
23 33 13 16-0240 EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	420.08 54.78 131.47 73.04	58.82
23 33 13 16-0241 EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	453.27 59.48 142.75 79.31	62.98
23 33 13 16-0242 EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	487.88 64.85 155.64 86.47	66.50
23 33 13 16-0243 EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	295.98 44.13 105.92 58.84	33.17
23 33 13 16-0244 EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	310.46 45.66 109.59 60.88	35.78
23 33 13 16-0245 EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	324.95 47.19 113.27 62.93	38.40
23 33 13 16-0246 EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.86 49.50 118.80 66.00	40.85
23 33 13 16-0247 EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	363.36 50.66 121.58 67.54	46.08
23 33 13 16-0248 EA 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	376.15 51.81 124.34 69.08	48.53
23 33 13 16-0249 EA 36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.24 55.64 133.54 74.19	56.21
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	448.64 59.48 142.74 79.30	61.44
23 33 13 16-0251 EA 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	475.25 64.08 153.80 85.44	63.43
23 33 13 16-0252 EA 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	516.36 70.22 168.52 93.62	68.04
23 33 13 16-0253 EA 36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	550.96 75.59 181.41 100.78	71.57
23 33 13 16-0254 EA 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	585.93 81.73 196.14 108.97	74.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0255 EA 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.50 50.40 120.95 67.19	38.40
23 33 13 16-0256 EA 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	352.82 53.46 128.31 71.29	40.85
23 33 13 16-0257 EA 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	363.89 54.23 130.16 72.31	43.46
23 33 13 16-0258 EA 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	374.99 55.00 132.00 73.34	46.08
23 33 13 16-0259 EA 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	402.30 57.69 138.46 76.92	48.53
23 33 13 16-0260 EA 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.91 60.37 144.90 80.50	51.14
23 33 13 16-0261 EA 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	458.59 63.44 152.26 84.59	58.82
23 33 13 16-0262 EA 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	487.60 66.51 159.63 88.69	63.89
23 33 13 16-0263 EA 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	520.37 71.12 170.69 94.83	68.04
23 33 13 16-0264 EA 40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	568.62 79.56 190.94 106.08	71.57
23 33 13 16-0265 EA 40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	601.34 84.16 201.98 112.21	75.72
23 33 13 16-0266 EA 40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	645.04 92.61 222.25 123.47	77.71
23 33 13 16-0267 EA 40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	691.41 100.28 240.66 133.70	81.86
23 33 13 16-0268 EA 44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	346.01 51.93 124.64 69.24	38.40
23 33 13 16-0269 EA 44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	367.31 55.00 132.00 73.34	40.85
23 33 13 16-0270 EA 44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	385.24 57.31 137.54 76.41	43.46
23 33 13 16-0271 EA 44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	396.33 58.07 139.38 77.43	46.08
23 33 13 16-0272 EA 44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	417.65 61.14 146.75 81.53	48.53
23 33 13 16-0273 EA 44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.98 64.22 154.12 85.62	51.14
23 33 13 16-0274 EA 44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.75 68.05 163.32 90.74	61.44
23 33 13 16-0275 EA 44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	519.14 71.88 172.52 95.84	66.50

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.62	71.57
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	79.56	
			<i>For Dynamic Damper, Add</i>	190.94	
			<i>For 3 Hour Rated, Add</i>	106.08	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	614.67	76.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	86.47	
			<i>For Dynamic Damper, Add</i>	207.52	
			<i>For 3 Hour Rated, Add</i>	115.29	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.11	81.86
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	94.13	
			<i>For Dynamic Damper, Add</i>	225.92	
			<i>For 3 Hour Rated, Add</i>	125.51	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.48	84.32
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	101.04	
			<i>For Dynamic Damper, Add</i>	242.49	
			<i>For 3 Hour Rated, Add</i>	134.72	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.87	86.93
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	107.95	
			<i>For Dynamic Damper, Add</i>	259.08	
			<i>For 3 Hour Rated, Add</i>	143.93	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	779.26	89.54
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	114.86	
			<i>For Dynamic Damper, Add</i>	275.66	
			<i>For 3 Hour Rated, Add</i>	153.14	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.89	40.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.23	
			<i>For Dynamic Damper, Add</i>	130.16	
			<i>For 3 Hour Rated, Add</i>	72.31	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.24	43.46
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.31	
			<i>For Dynamic Damper, Add</i>	137.54	
			<i>For 3 Hour Rated, Add</i>	76.41	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.33	46.08
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.07	
			<i>For Dynamic Damper, Add</i>	139.38	
			<i>For 3 Hour Rated, Add</i>	77.43	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.91	51.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.37	
			<i>For Dynamic Damper, Add</i>	144.90	
			<i>For 3 Hour Rated, Add</i>	80.50	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.91	56.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.44	
			<i>For Dynamic Damper, Add</i>	152.26	
			<i>For 3 Hour Rated, Add</i>	84.59	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.92	61.44
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	66.51	
			<i>For Dynamic Damper, Add</i>	159.63	
			<i>For 3 Hour Rated, Add</i>	88.69	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.75	66.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	71.12	
			<i>For Dynamic Damper, Add</i>	170.69	
			<i>For 3 Hour Rated, Add</i>	94.83	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.55	71.57
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	75.72	
			<i>For Dynamic Damper, Add</i>	181.73	
			<i>For 3 Hour Rated, Add</i>	100.96	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	597.62	76.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	82.63	
			<i>For Dynamic Damper, Add</i>	198.31	
			<i>For 3 Hour Rated, Add</i>	110.17	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	650.47	81.86
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	91.06	
			<i>For Dynamic Damper, Add</i>	218.55	
			<i>For 3 Hour Rated, Add</i>	121.42	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	688.87	84.32
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	97.98	
			<i>For Dynamic Damper, Add</i>	235.14	
			<i>For 3 Hour Rated, Add</i>	130.64	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	737.45	86.93
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	107.18	
			<i>For Dynamic Damper, Add</i>	257.23	
			<i>For 3 Hour Rated, Add</i>	142.91	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	783.54	92.00
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	114.09	
			<i>For Dynamic Damper, Add</i>	273.82	
			<i>For 3 Hour Rated, Add</i>	152.12	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	832.13	94.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	123.30	
			<i>For Dynamic Damper, Add</i>	295.91	
			<i>For 3 Hour Rated, Add</i>	164.40	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	882.46	102.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	129.44	
			<i>For Dynamic Damper, Add</i>	310.65	
			<i>For 3 Hour Rated, Add</i>	172.58	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
Air Duct Accessories	23 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0297 EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.82 56.54 135.69 75.38	43.46
23 33 13 16-0298 EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	403.14 59.61 143.06 79.48	46.08
23 33 13 16-0299 EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	432.15 62.68 150.43 83.57	51.14
23 33 13 16-0300 EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	450.91 63.44 152.26 84.59	56.21
23 33 13 16-0301 EA 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	481.64 66.90 160.56 89.20	61.44
23 33 13 16-0302 EA 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	512.33 70.35 168.84 93.80	66.50
23 33 13 16-0303 EA 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	548.16 74.96 179.90 99.94	71.57
23 33 13 16-0304 EA 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	583.98 79.56 190.94 106.08	76.80
23 33 13 16-0305 EA 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	630.03 86.47 207.52 115.29	81.86
23 33 13 16-0306 EA 52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	686.30 95.67 229.61 127.56	86.93
23 33 13 16-0307 EA 52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	728.08 103.34 248.02 137.79	89.54
23 33 13 16-0308 EA 52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	780.11 113.32 271.97 151.10	92.00
23 33 13 16-0309 EA 52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	836.37 122.52 294.06 163.37	97.22
23 33 13 16-0310 EA 52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	882.46 129.44 310.65 172.58	102.29
23 33 13 16-0311 EA 52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	946.41 138.64 332.74 184.86	109.97
23 33 13 16-0312 EA 52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	995.86 146.32 351.16 195.09	115.03
23 33 13 16-0313 EA 56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	396.33 58.07 139.38 77.43	46.08
23 33 13 16-0314 EA 56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	428.72 61.91 148.58 82.54	51.14
23 33 13 16-0315 EA 56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	454.34 64.22 154.12 85.62	56.21
23 33 13 16-0316 EA 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	473.09 64.98 155.95 86.64	61.44
23 33 13 16-0317 EA 56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.22 69.20 166.08 92.27	66.50

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	541.33 73.42 176.21 97.89	71.57
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	575.45 77.64 186.34 103.52	76.80
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	609.56 81.86 196.46 109.15	81.86
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	665.83 91.06 218.55 121.42	86.93
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	714.45 100.28 240.66 133.70	89.54
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	759.64 108.72 260.92 144.95	92.00
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	822.76 119.46 286.71 159.28	97.22
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	879.03 128.67 308.80 171.56	102.29
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	938.73 138.64 332.74 184.86	107.35
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	988.20 146.32 351.16 195.09	112.58
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,047.88 156.29 375.11 208.39	117.65
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,107.58 166.27 399.05 221.69	122.71
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.91 60.37 144.90 80.50	51.14
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	454.34 64.22 154.12 85.62	56.21
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	476.49 65.74 157.78 87.66	61.44
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	495.28 66.51 159.63 88.69	66.50
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	531.11 71.12 170.69 94.83	71.57
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	566.91 75.72 181.73 100.96	76.80
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	604.44 80.71 193.70 107.61	81.86
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	641.97 85.70 205.67 114.26	86.93
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	693.98 95.67 229.61 127.56	89.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	742.59 104.88 251.71 139.84	92.00
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	802.30 114.86 275.66 153.14	97.22
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	862.00 124.83 299.60 166.45	102.29
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	911.46 132.51 318.02 176.68	107.35
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	981.38 144.78 347.48 193.04	112.58
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,044.46 155.52 373.26 207.37	117.65
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,107.58 166.27 399.05 221.69	122.71
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,163.83 175.47 421.13 233.96	127.94
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,220.16 184.69 443.25 246.25	133.01
23 33 13 16-0348 Round 2 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper	140.56	30.72
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper	146.23	30.72
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper	171.60	34.86
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper	177.76	34.86
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper	212.49	38.40
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper	229.44	38.40
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper	254.97	42.70
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper	286.42	48.07
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper	325.60	54.83
23 33 13 16-0358 Round 4 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper	158.43	34.86
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper	173.87	34.86
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper	196.51	38.40
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper	216.43	38.40
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper	244.93	42.70
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper	257.07	42.70
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper	286.79	48.07
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper	317.88	54.83
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper	370.87	64.04
23 33 13 19 Smoke-Control Dampers <small>(23 33 13)</small>		
23 33 13 19-0001 Combination Smoke/Fire Damper <small>(23 33 13 19)</small>		
<small>Note: Leakage class I with Firestat UL 555S air foil blades.</small>		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	599.71 282.41 156.90	25.57
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	615.92 289.31 160.73	26.73
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	629.33 296.29 164.61	26.96
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	643.87 304.14 168.97	26.96
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	659.36 311.27 172.93	27.64
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	695.04 325.56 180.86	30.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	659.36	27.64
<i>For Dynamic Damper, Add</i>	311.27	
<i>For 3 Hour Rated, Add</i>	172.93	
23 33 13 19-0009 EA 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	690.42	29.26
<i>For Dynamic Damper, Add</i>	325.56	
<i>For 3 Hour Rated, Add</i>	180.86	
23 33 13 19-0010 EA 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	708.23	30.64
<i>For Dynamic Damper, Add</i>	332.68	
<i>For 3 Hour Rated, Add</i>	184.82	
23 33 13 19-0011 EA 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	733.03	34.56
<i>For Dynamic Damper, Add</i>	339.85	
<i>For 3 Hour Rated, Add</i>	188.81	
23 33 13 19-0012 EA 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	683.83	29.26
<i>For Dynamic Damper, Add</i>	322.00	
<i>For 3 Hour Rated, Add</i>	178.89	
23 33 13 19-0013 EA 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	708.23	30.64
<i>For Dynamic Damper, Add</i>	332.68	
<i>For 3 Hour Rated, Add</i>	184.82	
23 33 13 19-0014 EA 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	726.11	32.26
<i>For Dynamic Damper, Add</i>	339.85	
<i>For 3 Hour Rated, Add</i>	188.81	
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	746.30	34.56
<i>For Dynamic Damper, Add</i>	347.01	
<i>For 3 Hour Rated, Add</i>	192.79	
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	790.88	38.47
<i>For Dynamic Damper, Add</i>	364.87	
<i>For 3 Hour Rated, Add</i>	202.70	
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	713.31	30.64
<i>For Dynamic Damper, Add</i>	335.42	
<i>For 3 Hour Rated, Add</i>	186.35	
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	727.71	32.94
<i>For Dynamic Damper, Add</i>	339.47	
<i>For 3 Hour Rated, Add</i>	188.60	
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	744.43	36.17
<i>For Dynamic Damper, Add</i>	343.52	
<i>For 3 Hour Rated, Add</i>	190.85	
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	758.75	38.47
<i>For Dynamic Damper, Add</i>	347.52	
<i>For 3 Hour Rated, Add</i>	193.07	
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	788.97	42.16
<i>For Dynamic Damper, Add</i>	357.63	
<i>For 3 Hour Rated, Add</i>	198.68	
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	819.16	46.08
<i>For Dynamic Damper, Add</i>	367.71	
<i>For 3 Hour Rated, Add</i>	204.28	
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	725.41	32.26
<i>For Dynamic Damper, Add</i>	339.47	
<i>For 3 Hour Rated, Add</i>	188.60	
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	743.50	34.56
<i>For Dynamic Damper, Add</i>	345.50	
<i>For 3 Hour Rated, Add</i>	191.95	
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	766.30	38.47
<i>For Dynamic Damper, Add</i>	351.59	
<i>For 3 Hour Rated, Add</i>	195.33	
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	796.47	42.16
<i>For Dynamic Damper, Add</i>	361.68	
<i>For 3 Hour Rated, Add</i>	200.93	
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	822.89	46.08
<i>For Dynamic Damper, Add</i>	369.72	
<i>For 3 Hour Rated, Add</i>	205.40	
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	853.08	49.76
<i>For Dynamic Damper, Add</i>	379.80	
<i>For 3 Hour Rated, Add</i>	211.00	
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	875.83	53.68
<i>For Dynamic Damper, Add</i>	385.87	
<i>For 3 Hour Rated, Add</i>	214.37	
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	739.83	34.56
<i>For Dynamic Damper, Add</i>	343.52	
<i>For 3 Hour Rated, Add</i>	190.85	
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	766.25	38.47
<i>For Dynamic Damper, Add</i>	351.57	
<i>For 3 Hour Rated, Add</i>	195.32	
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	792.69	42.16
<i>For Dynamic Damper, Add</i>	359.63	
<i>For 3 Hour Rated, Add</i>	199.80	
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	834.16	46.08
<i>For Dynamic Damper, Add</i>	375.81	
<i>For 3 Hour Rated, Add</i>	208.78	
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	856.86	49.76
<i>For Dynamic Damper, Add</i>	381.84	
<i>For 3 Hour Rated, Add</i>	212.14	
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	879.55	53.68
<i>For Dynamic Damper, Add</i>	387.88	
<i>For 3 Hour Rated, Add</i>	215.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	906.02 395.95 219.97	57.60
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	932.44 404.00 224.44	61.28
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	759.36 347.85 193.25	38.47
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	785.97 356.01 197.78	42.16
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	807.59 361.46 200.81	46.08
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	834.17 369.59 205.33	49.76
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	853.24 373.67 207.59	53.68
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	872.29 377.74 209.85	57.60
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	898.90 385.88 214.38	61.28
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	937.02 394.03 218.90	69.12
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	980.19 404.90 224.94	76.72
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	785.97 356.01 197.78	42.16
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	807.59 361.46 200.81	46.08
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	834.17 369.59 205.33	49.76
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	855.75 375.02 208.35	53.68
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	879.85 381.82 212.12	57.60
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	903.91 388.59 215.88	61.28
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	942.04 396.74 220.41	69.12
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	980.19 404.90 224.94	76.72
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,021.88 421.19 233.99	80.64
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,070.08 434.78 241.54	88.24
23 33 13 19-0057 EA 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	822.65 369.59 205.33	46.08
23 33 13 19-0058 EA 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	839.18 372.30 206.83	49.76
23 33 13 19-0059 EA 32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	855.75 375.02 208.35	53.68
23 33 13 19-0060 EA 32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	877.31 380.45 211.36	57.60
23 33 13 19-0061 EA 32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	904.85 389.10 216.17	61.28
23 33 13 19-0062 EA 32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	942.04 396.74 220.41	69.12
23 33 13 19-0063 EA 32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	985.25 407.63 226.46	76.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0064 EA 32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,028.42	84.32
For Dynamic Damper, Add	418.50	
For 3 Hour Rated, Add	232.50	
23 33 13 19-0065 EA 32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,070.08	88.24
For Dynamic Damper, Add	434.78	
For 3 Hour Rated, Add	241.54	
23 33 13 19-0066 EA 32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,123.75	94.46
For Dynamic Damper, Add	453.81	
For 3 Hour Rated, Add	252.12	
23 33 13 19-0067 EA 32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,180.09	99.76
For Dynamic Damper, Add	475.52	
For 3 Hour Rated, Add	264.18	
23 33 13 19-0068 EA 36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	865.00	49.76
For Dynamic Damper, Add	386.24	
For 3 Hour Rated, Add	214.58	
23 33 13 19-0069 EA 36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	887.43	53.68
For Dynamic Damper, Add	392.13	
For 3 Hour Rated, Add	217.85	
23 33 13 19-0070 EA 36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	909.88	57.60
For Dynamic Damper, Add	398.03	
For 3 Hour Rated, Add	221.13	
23 33 13 19-0071 EA 36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	937.83	61.28
For Dynamic Damper, Add	406.91	
For 3 Hour Rated, Add	226.06	
23 33 13 19-0072 EA 36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	969.10	69.12
For Dynamic Damper, Add	411.35	
For 3 Hour Rated, Add	228.53	
23 33 13 19-0073 EA 36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	988.81	72.80
For Dynamic Damper, Add	415.77	
For 3 Hour Rated, Add	230.99	
23 33 13 19-0074 EA 36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,050.73	84.32
For Dynamic Damper, Add	430.55	
For 3 Hour Rated, Add	239.19	
23 33 13 19-0075 EA 36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,101.06	92.16
For Dynamic Damper, Add	445.28	
For 3 Hour Rated, Add	247.38	
23 33 13 19-0076 EA 36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,143.09	95.15
For Dynamic Damper, Add	463.00	
For 3 Hour Rated, Add	257.22	
23 33 13 19-0077 EA 36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,207.56	102.06
For Dynamic Damper, Add	486.63	
For 3 Hour Rated, Add	270.35	
23 33 13 19-0078 EA 36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,261.93	107.35
For Dynamic Damper, Add	507.27	
For 3 Hour Rated, Add	281.82	
23 33 13 19-0079 EA 36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,317.20	111.27
For Dynamic Damper, Add	530.90	
For 3 Hour Rated, Add	294.94	
23 33 13 19-0080 EA 40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,375.61	57.60
For Dynamic Damper, Add	655.75	
For 3 Hour Rated, Add	364.31	
23 33 13 19-0081 EA 40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,416.44	61.28
For Dynamic Damper, Add	671.58	
For 3 Hour Rated, Add	373.10	
23 33 13 19-0082 EA 40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,435.33	65.20
For Dynamic Damper, Add	675.56	
For 3 Hour Rated, Add	375.31	
23 33 13 19-0083 EA 40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,454.21	69.12
For Dynamic Damper, Add	679.53	
For 3 Hour Rated, Add	377.52	
23 33 13 19-0084 EA 40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,502.93	72.80
For Dynamic Damper, Add	693.40	
For 3 Hour Rated, Add	385.22	
23 33 13 19-0085 EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,540.18	76.72
For Dynamic Damper, Add	707.29	
For 3 Hour Rated, Add	392.94	
23 33 13 19-0086 EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,604.10	88.24
For Dynamic Damper, Add	723.15	
For 3 Hour Rated, Add	401.75	
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,656.46	95.84
For Dynamic Damper, Add	738.98	
For 3 Hour Rated, Add	410.54	
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,718.96	102.06
For Dynamic Damper, Add	762.78	
For 3 Hour Rated, Add	423.77	
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,815.78	107.35
For Dynamic Damper, Add	806.35	
For 3 Hour Rated, Add	447.97	
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,878.20	113.58
For Dynamic Damper, Add	830.11	
For 3 Hour Rated, Add	461.17	
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,968.19	116.57
For Dynamic Damper, Add	873.73	
For 3 Hour Rated, Add	485.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,060.01 913.36 507.42	122.79
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,401.81 663.68 368.71	57.60
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,442.69 679.53 377.52	61.28
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,476.25 691.43 384.13	65.20
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,495.14 695.41 386.34	69.12
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,536.02 711.27 395.15	72.80
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,576.86 727.10 403.94	76.72
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,659.66 746.93 414.96	92.16
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,719.34 766.71 425.95	99.76
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,815.78 806.35 447.97	107.35
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,904.84 842.01 467.78	115.20
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,001.24 881.63 489.79	122.79
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,078.81 917.29 509.61	126.48
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,156.41 952.98 529.43	130.39
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,234.02 988.66 549.26	134.31
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,435.33 675.56 375.31	61.28
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,476.25 691.43 384.13	65.20
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,495.14 695.41 386.34	69.12
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,540.18 707.29 392.94	76.72
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,592.58 723.15 401.75	84.32
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,644.94 738.98 410.54	92.16
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,712.06 762.78 423.77	99.76
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,779.10 786.54 436.97	107.35
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,868.16 822.20 456.78	115.20
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,971.88 865.77 480.98	122.79
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,049.53 901.48 500.82	126.48
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,149.05 949.00 527.22	130.39
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,238.18 984.69 547.05	137.99

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0120 EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,337.78 1,032.25 573.47	141.91
23 33 13 19-0121 EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,431.02 1,063.94 591.08	153.43
23 33 13 19-0122 EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,468.89 687.46 381.92	65.20
23 33 13 19-0123 EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,509.77 703.31 390.73	69.12
23 33 13 19-0124 EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,562.17 719.17 399.54	76.72
23 33 13 19-0125 EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,592.58 723.15 401.75	84.32
23 33 13 19-0126 EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,648.66 740.99 411.66	92.16
23 33 13 19-0127 EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,704.70 758.81 421.56	99.76
23 33 13 19-0128 EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,771.78 782.59 434.77	107.35
23 33 13 19-0129 EA 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,838.80 806.35 447.97	115.20
23 33 13 19-0130 EA 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,927.88 842.01 467.78	122.79
23 33 13 19-0131 EA 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,039.01 889.58 494.21	130.39
23 33 13 19-0132 EA 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,123.84 929.17 516.20	134.31
23 33 13 19-0133 EA 52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,230.86 980.74 544.85	137.99
23 33 13 19-0134 EA 52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,341.89 1,028.25 571.25	145.83
23 33 13 19-0135 EA 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,431.02 1,063.94 591.08	153.43
23 33 13 19-0136 EA 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,553.62 1,111.48 617.49	164.95
23 33 13 19-0137 EA 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,650.07 1,151.12 639.51	172.55
23 33 13 19-0138 EA 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,495.14 695.41 386.34	69.12
23 33 13 19-0139 EA 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,554.81 715.19 397.33	76.72
23 33 13 19-0140 EA 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,599.90 727.10 403.94	84.32
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,630.25 731.05 406.14	92.16
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,693.70 752.87 418.26	99.76
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,757.10 774.66 430.37	107.35
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,820.44 796.44 442.46	115.20
23 33 13 19-0145 EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,883.84 818.23 454.57	122.79
23 33 13 19-0146 EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,994.92 865.77 480.98	130.39
23 33 13 19-0147 EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,094.57 913.36 507.42	134.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0148 EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,186.77 956.93 531.63	137.99
23 33 13 19-0149 EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,312.58 1,012.42 562.46	145.83
23 33 13 19-0150 EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,423.66 1,059.97 588.87	153.43
23 33 13 19-0151 EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,542.10 1,111.48 617.49	161.03
23 33 13 19-0152 EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,638.55 1,151.12 639.51	168.87
23 33 13 19-0153 EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,756.99 1,202.64 668.13	176.47
23 33 13 19-0154 EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,875.44 1,254.16 696.76	184.07
23 33 13 19-0155 EA 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,540.18 707.29 392.94	76.72
23 33 13 19-0156 EA 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,599.90 727.10 403.94	84.32
23 33 13 19-0157 EA 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,637.62 735.03 408.35	92.16
23 33 13 19-0158 EA 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,667.98 738.98 410.54	99.76
23 33 13 19-0159 EA 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,735.10 762.78 423.77	107.35
23 33 13 19-0160 EA 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,802.12 786.54 436.97	115.20
23 33 13 19-0161 EA 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,872.84 812.29 451.27	122.79
23 33 13 19-0162 EA 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,943.60 838.06 465.59	130.39
23 33 13 19-0163 EA 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,050.53 889.58 494.21	134.31
23 33 13 19-0164 EA 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,150.09 937.12 520.62	137.99
23 33 13 19-0165 EA 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,268.58 988.66 549.26	145.83
23 33 13 19-0166 EA 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,387.02 1,040.18 577.88	153.43
23 33 13 19-0167 EA 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,483.42 1,079.79 599.89	161.03
23 33 13 19-0168 EA 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,623.87 1,143.20 635.11	168.87
23 33 13 19-0169 EA 60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,749.67 1,198.69 665.94	176.47
23 33 13 19-0170 EA 60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,875.44 1,254.16 696.76	184.07
23 33 13 19-0171 EA 60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,986.45 1,301.68 723.15	191.91
23 33 13 19-0172 EA 60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	3,097.67 1,349.29 749.61	199.51
23 33 13 19-0173 Smoke Damper <small>(23 33 13 19)</small> Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174 EA 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	139.53 47.73 26.52	17.05
23 33 13 19-0175 EA 8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	144.06 48.93 27.18	17.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.62	17.97
			<i>For Dynamic Damper, Add</i>	50.14	
			<i>For 3 Hour Rated, Add</i>	27.86	
23 33 13	19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.62	17.97
			<i>For Dynamic Damper, Add</i>	50.14	
			<i>For 3 Hour Rated, Add</i>	27.86	
23 33 13	19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.39	18.44
			<i>For Dynamic Damper, Add</i>	51.35	
			<i>For 3 Hour Rated, Add</i>	28.53	
23 33 13	19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.00	20.43
			<i>For Dynamic Damper, Add</i>	53.76	
			<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13	19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.39	18.44
			<i>For Dynamic Damper, Add</i>	51.35	
			<i>For 3 Hour Rated, Add</i>	28.53	
23 33 13	19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.92	19.50
			<i>For Dynamic Damper, Add</i>	53.76	
			<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13	19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.25	20.43
			<i>For Dynamic Damper, Add</i>	54.98	
			<i>For 3 Hour Rated, Add</i>	30.54	
23 33 13	19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.16	23.04
			<i>For Dynamic Damper, Add</i>	56.18	
			<i>For 3 Hour Rated, Add</i>	31.21	
23 33 13	19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.81	19.50
			<i>For Dynamic Damper, Add</i>	53.16	
			<i>For 3 Hour Rated, Add</i>	29.54	
23 33 13	19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.25	20.43
			<i>For Dynamic Damper, Add</i>	54.98	
			<i>For 3 Hour Rated, Add</i>	30.54	
23 33 13	19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.54	21.50
			<i>For Dynamic Damper, Add</i>	56.18	
			<i>For 3 Hour Rated, Add</i>	31.21	
23 33 13	19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.41	23.04
			<i>For Dynamic Damper, Add</i>	57.40	
			<i>For 3 Hour Rated, Add</i>	31.89	
23 33 13	19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.68	25.65
			<i>For Dynamic Damper, Add</i>	60.42	
			<i>For 3 Hour Rated, Add</i>	33.56	
23 33 13	19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.75	20.43
			<i>For Dynamic Damper, Add</i>	98.99	
			<i>For 3 Hour Rated, Add</i>	54.99	
23 33 13	19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.58	21.96
			<i>For Dynamic Damper, Add</i>	100.19	
			<i>For 3 Hour Rated, Add</i>	55.66	
23 33 13	19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.97	24.11
			<i>For Dynamic Damper, Add</i>	101.41	
			<i>For 3 Hour Rated, Add</i>	56.34	
23 33 13	19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.81	25.65
			<i>For Dynamic Damper, Add</i>	102.61	
			<i>For 3 Hour Rated, Add</i>	57.00	
23 33 13	19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.11	28.11
			<i>For Dynamic Damper, Add</i>	105.64	
			<i>For 3 Hour Rated, Add</i>	58.69	
23 33 13	19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.38	30.72
			<i>For Dynamic Damper, Add</i>	108.66	
			<i>For 3 Hour Rated, Add</i>	60.37	
23 33 13	19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.04	21.50
			<i>For Dynamic Damper, Add</i>	100.19	
			<i>For 3 Hour Rated, Add</i>	55.66	
23 33 13	19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.02	23.04
			<i>For Dynamic Damper, Add</i>	102.01	
			<i>For 3 Hour Rated, Add</i>	56.67	
23 33 13	19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.07	25.65
			<i>For Dynamic Damper, Add</i>	103.83	
			<i>For 3 Hour Rated, Add</i>	57.68	
23 33 13	19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.35	28.11
			<i>For Dynamic Damper, Add</i>	106.85	
			<i>For 3 Hour Rated, Add</i>	59.36	
23 33 13	19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.49	30.72
			<i>For Dynamic Damper, Add</i>	109.26	
			<i>For 3 Hour Rated, Add</i>	60.70	
23 33 13	19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.78	33.17
			<i>For Dynamic Damper, Add</i>	112.29	
			<i>For 3 Hour Rated, Add</i>	62.38	
23 33 13	19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.82	35.78
			<i>For Dynamic Damper, Add</i>	114.10	
			<i>For 3 Hour Rated, Add</i>	63.39	
23 33 13	19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.91	23.04
			<i>For Dynamic Damper, Add</i>	101.41	
			<i>For 3 Hour Rated, Add</i>	56.34	
23 33 13	19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.06	25.65
			<i>For Dynamic Damper, Add</i>	103.82	
			<i>For 3 Hour Rated, Add</i>	57.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	281.22 106.24 59.02	28.11
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.87 111.08 61.71	30.72
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	308.90 112.89 62.72	33.17
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.94 114.71 63.73	35.78
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	332.09 117.12 65.07	38.40
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	344.21 119.53 66.41	40.85
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	336.49 140.23 77.91	25.65
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	350.90 143.87 79.93	28.11
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	363.07 146.29 81.27	30.72
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.46 149.91 83.29	33.17
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	388.50 151.73 84.29	35.78
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	399.52 153.53 85.30	38.40
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	413.90 157.16 87.31	40.85
23 33 13 19-0217 EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	435.97 160.79 89.33	46.08
23 33 13 19-0218 EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	460.30 165.63 92.02	51.14
23 33 13 19-0219 EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	350.90 143.87 79.93	28.11
23 33 13 19-0220 EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	363.07 146.29 81.27	30.72
23 33 13 19-0221 EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.46 149.91 83.29	33.17
23 33 13 19-0222 EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.61 152.33 84.63	35.78
23 33 13 19-0223 EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	402.88 155.35 86.30	38.40
23 33 13 19-0224 EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.13 158.37 87.98	40.85
23 33 13 19-0225 EA 28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.21 161.99 90.00	46.08
23 33 13 19-0226 EA 28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	460.30 165.63 92.02	51.14
23 33 13 19-0227 EA 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	481.39 172.87 96.04	53.76
23 33 13 19-0228 EA 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.95 178.92 99.40	58.82
23 33 13 19-0229 EA 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	369.78 149.91 83.29	30.72
23 33 13 19-0230 EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	379.68 151.11 83.95	33.17
23 33 13 19-0231 EA 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.61 152.33 84.63	35.78

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0232 EA 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.75 154.74 85.97	38.40
23 33 13 19-0233 EA 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.55 158.59 88.11	40.85
23 33 13 19-0234 EA 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.21 161.99 90.00	46.08
23 33 13 19-0235 EA 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	462.53 166.83 92.69	51.14
23 33 13 19-0236 EA 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.86 171.68 95.38	56.21
23 33 13 19-0237 EA 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.95 178.92 99.40	58.82
23 33 13 19-0238 EA 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	535.93 187.39 104.10	62.98
23 33 13 19-0239 EA 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	564.57 197.05 109.47	66.50
23 33 13 19-0240 EA 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	388.01 155.61 86.45	33.17
23 33 13 19-0241 EA 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	400.37 158.14 87.86	35.78
23 33 13 19-0242 EA 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	412.72 160.66 89.26	38.40
23 33 13 19-0243 EA 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	427.43 164.47 91.37	40.85
23 33 13 19-0244 EA 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	446.32 166.37 92.43	46.08
23 33 13 19-0245 EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	457.52 168.27 93.49	48.53
23 33 13 19-0246 EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	492.28 174.60 97.00	56.21
23 33 13 19-0247 EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	519.35 180.93 100.52	61.44
23 33 13 19-0248 EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	539.57 188.53 104.74	63.43
23 33 13 19-0249 EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	572.15 198.65 110.36	68.04
23 33 13 19-0250 EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	599.31 207.52 115.29	71.57
23 33 13 19-0251 EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	625.75 217.65 120.92	74.18
23 33 13 19-0252 EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	446.92 183.28 101.82	38.40
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	463.97 188.34 104.63	40.85
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	473.98 189.60 105.34	43.46
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	484.01 190.87 106.04	46.08
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.58 195.31 108.50	48.53
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	523.48 199.75 110.97	51.14
23 33 13 19-0258 EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	555.89 204.81 113.78	58.82
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	580.64 209.88 116.60	63.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	607.00	68.04
For Dynamic Damper, Add	217.47	
For 3 Hour Rated, Add	120.82	
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.53	71.57
For Dynamic Damper, Add	231.40	
For 3 Hour Rated, Add	128.55	
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	669.86	75.72
For Dynamic Damper, Add	238.98	
For 3 Hour Rated, Add	132.77	
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.82	77.71
For Dynamic Damper, Add	252.91	
For 3 Hour Rated, Add	140.51	
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	737.56	81.86
For Dynamic Damper, Add	265.58	
For 3 Hour Rated, Add	147.55	
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.29	38.40
For Dynamic Damper, Add	185.81	
For 3 Hour Rated, Add	103.23	
23 33 13 19-0266 EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.33	40.85
For Dynamic Damper, Add	190.87	
For 3 Hour Rated, Add	106.04	
23 33 13 19-0267 EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.06	43.46
For Dynamic Damper, Add	194.68	
For 3 Hour Rated, Add	108.16	
23 33 13 19-0268 EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.09	46.08
For Dynamic Damper, Add	195.95	
For 3 Hour Rated, Add	108.86	
23 33 13 19-0269 EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.14	48.53
For Dynamic Damper, Add	201.01	
For 3 Hour Rated, Add	111.67	
23 33 13 19-0270 EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.20	51.14
For Dynamic Damper, Add	206.07	
For 3 Hour Rated, Add	114.49	
23 33 13 19-0271 EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.65	61.44
For Dynamic Damper, Add	212.41	
For 3 Hour Rated, Add	118.01	
23 33 13 19-0272 EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.72	66.50
For Dynamic Damper, Add	218.73	
For 3 Hour Rated, Add	121.52	
23 33 13 19-0273 EA 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.53	71.57
For Dynamic Damper, Add	231.40	
For 3 Hour Rated, Add	128.55	
23 33 13 19-0274 EA 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.00	76.80
For Dynamic Damper, Add	242.79	
For 3 Hour Rated, Add	134.89	
23 33 13 19-0275 EA 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.78	81.86
For Dynamic Damper, Add	255.44	
For 3 Hour Rated, Add	141.91	
23 33 13 19-0276 EA 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	747.57	84.32
For Dynamic Damper, Add	266.84	
For 3 Hour Rated, Add	148.25	
23 33 13 19-0277 EA 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	776.36	86.93
For Dynamic Damper, Add	278.24	
For 3 Hour Rated, Add	154.58	
23 33 13 19-0278 EA 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.15	89.54
For Dynamic Damper, Add	289.64	
For 3 Hour Rated, Add	160.91	
23 33 13 19-0279 EA 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.98	40.85
For Dynamic Damper, Add	189.60	
For 3 Hour Rated, Add	105.34	
23 33 13 19-0280 EA 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.06	43.46
For Dynamic Damper, Add	194.68	
For 3 Hour Rated, Add	108.16	
23 33 13 19-0281 EA 48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.09	46.08
For Dynamic Damper, Add	195.95	
For 3 Hour Rated, Add	108.86	
23 33 13 19-0282 EA 48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.48	51.14
For Dynamic Damper, Add	199.75	
For 3 Hour Rated, Add	110.97	
23 33 13 19-0283 EA 48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.21	56.21
For Dynamic Damper, Add	204.81	
For 3 Hour Rated, Add	113.78	
23 33 13 19-0284 EA 48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.96	61.44
For Dynamic Damper, Add	209.88	
For 3 Hour Rated, Add	116.60	
23 33 13 19-0285 EA 48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	602.38	66.50
For Dynamic Damper, Add	217.47	
For 3 Hour Rated, Add	120.82	
23 33 13 19-0286 EA 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.79	71.57
For Dynamic Damper, Add	225.06	
For 3 Hour Rated, Add	125.03	
23 33 13 19-0287 EA 48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	668.26	76.80
For Dynamic Damper, Add	236.46	
For 3 Hour Rated, Add	131.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0288 EA 48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....709.41	709.41	81.86
For Dynamic Damper, Add	250.38	
For 3 Hour Rated, Add	139.10	
23 33 13 19-0289 EA 48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....738.21	738.21	84.32
For Dynamic Damper, Add	261.79	
For 3 Hour Rated, Add	145.44	
23 33 13 19-0290 EA 48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....774.01	774.01	86.93
For Dynamic Damper, Add	276.97	
For 3 Hour Rated, Add	153.87	
23 33 13 19-0291 EA 48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....810.48	810.48	92.00
For Dynamic Damper, Add	288.37	
For 3 Hour Rated, Add	160.21	
23 33 13 19-0292 EA 48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....846.29	846.29	94.61
For Dynamic Damper, Add	303.56	
For 3 Hour Rated, Add	168.65	
23 33 13 19-0293 EA 48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....888.10	888.10	102.29
For Dynamic Damper, Add	313.70	
For 3 Hour Rated, Add	174.28	
23 33 13 19-0294 EA 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....488.72	488.72	43.46
For Dynamic Damper, Add	193.42	
For 3 Hour Rated, Add	107.45	
23 33 13 19-0295 EA 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....505.77	505.77	46.08
For Dynamic Damper, Add	198.48	
For 3 Hour Rated, Add	110.27	
23 33 13 19-0296 EA 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....530.50	530.50	51.14
For Dynamic Damper, Add	203.54	
For 3 Hour Rated, Add	113.08	
23 33 13 19-0297 EA 52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....548.21	548.21	56.21
For Dynamic Damper, Add	204.81	
For 3 Hour Rated, Add	113.78	
23 33 13 19-0298 EA 52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....574.13	574.13	61.44
For Dynamic Damper, Add	210.51	
For 3 Hour Rated, Add	116.95	
23 33 13 19-0299 EA 52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....600.04	600.04	66.50
For Dynamic Damper, Add	216.21	
For 3 Hour Rated, Add	120.11	
23 33 13 19-0300 EA 52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....629.46	629.46	71.57
For Dynamic Damper, Add	223.80	
For 3 Hour Rated, Add	124.33	
23 33 13 19-0301 EA 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....658.89	658.89	76.80
For Dynamic Damper, Add	231.40	
For 3 Hour Rated, Add	128.55	
23 33 13 19-0302 EA 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....695.36	695.36	81.86
For Dynamic Damper, Add	242.79	
For 3 Hour Rated, Add	134.89	
23 33 13 19-0303 EA 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....738.84	738.84	86.93
For Dynamic Damper, Add	257.98	
For 3 Hour Rated, Add	143.32	
23 33 13 19-0304 EA 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....769.96	769.96	89.54
For Dynamic Damper, Add	270.64	
For 3 Hour Rated, Add	150.35	
23 33 13 19-0305 EA 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....808.13	808.13	92.00
For Dynamic Damper, Add	287.10	
For 3 Hour Rated, Add	159.50	
23 33 13 19-0306 EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....851.61	851.61	97.22
For Dynamic Damper, Add	302.29	
For 3 Hour Rated, Add	167.94	
23 33 13 19-0307 EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....888.10	888.10	102.29
For Dynamic Damper, Add	313.70	
For 3 Hour Rated, Add	174.28	
23 33 13 19-0308 EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....939.27	939.27	109.97
For Dynamic Damper, Add	328.89	
For 3 Hour Rated, Add	182.72	
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....978.07	978.07	115.03
For Dynamic Damper, Add	341.56	
For 3 Hour Rated, Add	189.75	
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....501.09	501.09	46.08
For Dynamic Damper, Add	195.95	
For 3 Hour Rated, Add	108.86	
23 33 13 19-0311 EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....528.15	528.15	51.14
For Dynamic Damper, Add	202.27	
For 3 Hour Rated, Add	112.37	
23 33 13 19-0312 EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....550.56	550.56	56.21
For Dynamic Damper, Add	206.07	
For 3 Hour Rated, Add	114.49	
23 33 13 19-0313 EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....568.25	568.25	61.44
For Dynamic Damper, Add	207.33	
For 3 Hour Rated, Add	115.19	
23 33 13 19-0314 EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....596.52	596.52	66.50
For Dynamic Damper, Add	214.30	
For 3 Hour Rated, Add	119.06	
23 33 13 19-0315 EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....624.77	624.77	71.57
For Dynamic Damper, Add	221.27	
For 3 Hour Rated, Add	122.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0316 EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	653.02 228.23 126.79	76.80
23 33 13 19-0317 EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	681.28 235.19 130.66	81.86
23 33 13 19-0318 EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	724.77 250.38 139.10	86.93
23 33 13 19-0319 EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	760.60 265.58 147.55	89.54
23 33 13 19-0320 EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	794.07 279.51 155.28	92.00
23 33 13 19-0321 EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	842.25 297.23 165.13	97.22
23 33 13 19-0322 EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	885.75 312.43 173.57	102.29
23 33 13 19-0323 EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	931.59 328.89 182.72	107.35
23 33 13 19-0324 EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	970.41 341.56 189.75	112.58
23 33 13 19-0325 EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,016.23 358.01 198.90	117.65
23 33 13 19-0326 EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,062.07 374.47 208.04	122.71
23 33 13 19-0327 EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	523.48 199.75 110.97	51.14
23 33 13 19-0328 EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	550.56 206.07 114.49	56.21
23 33 13 19-0329 EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	570.59 208.60 115.89	61.44
23 33 13 19-0330 EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	588.32 209.88 116.60	66.50
23 33 13 19-0331 EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	617.74 217.47 120.82	71.57
23 33 13 19-0332 EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	647.15 225.06 125.03	76.80
23 33 13 19-0333 EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	677.76 233.29 129.61	81.86
23 33 13 19-0334 EA 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	708.36 241.52 134.18	86.93
23 33 13 19-0335 EA 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	746.52 257.98 143.32	89.54
23 33 13 19-0336 EA 60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	782.33 273.17 151.76	92.00
23 33 13 19-0337 EA 60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	828.19 289.64 160.91	97.22
23 33 13 19-0338 EA 60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	874.03 306.10 170.06	102.29
23 33 13 19-0339 EA 60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	912.83 318.76 177.09	107.35
23 33 13 19-0340 EA 60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	965.69 339.01 188.34	112.58
23 33 13 19-0341 EA 60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,013.86 356.73 198.19	117.65
23 33 13 19-0342 EA 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,062.07 374.47 208.04	122.71
23 33 13 19-0343 EA 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,105.53 389.65 216.47	127.94

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,149.05	133.01
		<i>For Dynamic Damper, Add</i>	404.85	
		<i>For 3 Hour Rated, Add</i>	224.92	

23 33 13 23 Backdraft Dampers (23 33 13)**23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	115.99	17.05
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	139.89	17.81
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	169.02	17.97
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	161.83	17.97
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	154.78	18.44
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	185.79	20.43
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	144.84	18.44
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	180.82	20.43
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	173.17	21.50
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	199.54	23.04
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	162.82	19.50
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	165.92	21.50
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	195.93	23.04
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	174.34	25.65
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	198.28	28.11
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	180.82	20.43
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	185.04	23.04
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	169.70	25.65
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	188.26	25.65
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	214.54	28.11
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	240.78	30.72
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	162.32	21.50
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	152.71	23.04
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	181.29	25.65
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	209.87	28.11
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	238.44	30.72
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	272.39	33.17
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	309.31	38.40
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	253.67	40.85
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	295.18	46.08
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	177.79	23.04
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	169.70	25.65
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	200.58	28.11
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	231.50	30.72
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	267.60	33.17
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	299.24	35.78
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	253.67	40.85
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	268.20	40.85
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	312.62	46.08
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	357.04	51.14
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	335.03	56.21
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	371.13	61.44
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	160.39	25.65
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	195.94	28.11
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	231.50	30.72
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	272.39	33.17
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	237.28	38.40
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	262.38	40.85
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	295.18	46.08
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	312.62	46.08
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	362.86	51.14
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	343.31	56.21
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	383.60	61.44
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	423.86	66.50
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	414.32	71.57
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	449.61	76.80
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	469.53	76.80
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	174.34	25.65
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	214.54	28.11
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	267.60	33.17
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	237.28	38.40
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	265.29	40.85
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	301.00	46.08
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	336.71	51.14
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	357.04	51.14
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	343.31	56.21
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	387.76	61.44
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	432.17	66.50
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	439.63	76.80
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	462.89	76.80
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	501.49	81.86
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	540.11	86.93
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	563.37	86.93



Heating, Ventilating, and Air-Conditioning (HVAC)

23

HVAC Air Distribution

23 30

Air Duct Accessories

23 33

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper.....	561.29	92.00
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper.....	581.61	92.00
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper.....	195.94	28.11
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper.....	253.22	33.17
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper.....	299.24	35.78
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper.....	262.38	40.85
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper.....	301.00	46.08
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper.....	339.60	51.14
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper.....	303.05	51.14
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper.....	335.03	56.21
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper.....	383.60	61.44
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper.....	432.17	66.50
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper.....	442.97	76.80
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper.....	469.53	76.80
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper.....	511.46	81.86
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper.....	553.39	86.93
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper.....	555.47	92.00
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper.....	578.73	92.00
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper.....	617.32	97.22
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper.....	640.59	97.22
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper.....	626.04	102.29
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper.....	645.97	102.29
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper.....	681.26	107.35
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper.....	209.87	28.11
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper.....	280.07	35.78
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper.....	253.67	40.85
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper.....	295.18	46.08
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper.....	336.71	51.14
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper.....	303.05	51.14
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper.....	337.09	56.21
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper.....	371.13	61.44
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper.....	423.86	66.50
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper.....	439.63	76.80
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper.....	469.53	76.80
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper.....	514.77	81.86
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper.....	560.04	86.93
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper.....	564.17	92.00
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper.....	605.71	97.22
23 33 13 23-0113 EA 36" x 52" Horizontally Mounted Backdraft Damper.....	631.85	97.22
23 33 13 23-0114 EA 36" x 56" Horizontally Mounted Backdraft Damper.....	621.07	102.29
23 33 13 23-0115 EA 36" x 60" Horizontally Mounted Backdraft Damper.....	643.48	102.29
23 33 13 23-0116 EA 36" x 64" Horizontally Mounted Backdraft Damper.....	681.26	107.35
23 33 13 23-0117 EA 36" x 68" Horizontally Mounted Backdraft Damper.....	703.67	107.35
23 33 13 23-0118 EA 36" x 72" Horizontally Mounted Backdraft Damper.....	726.12	107.35
23 33 13 23-0119 EA 40" x 6" Horizontally Mounted Backdraft Damper.....	231.50	30.72
23 33 13 23-0120 EA 40" x 8" Horizontally Mounted Backdraft Damper.....	306.92	38.40
23 33 13 23-0121 EA 40" x 10" Horizontally Mounted Backdraft Damper.....	268.20	40.85
23 33 13 23-0122 EA 40" x 12" Horizontally Mounted Backdraft Damper.....	312.62	46.08
23 33 13 23-0123 EA 40" x 14" Horizontally Mounted Backdraft Damper.....	357.04	51.14
23 33 13 23-0124 EA 40" x 16" Horizontally Mounted Backdraft Damper.....	335.03	56.21
23 33 13 23-0125 EA 40" x 18" Horizontally Mounted Backdraft Damper.....	371.13	61.44
23 33 13 23-0126 EA 40" x 20" Horizontally Mounted Backdraft Damper.....	407.24	66.50
23 33 13 23-0127 EA 40" x 24" Horizontally Mounted Backdraft Damper.....	414.32	71.57
23 33 13 23-0128 EA 40" x 28" Horizontally Mounted Backdraft Damper.....	462.89	76.80
23 33 13 23-0129 EA 40" x 32" Horizontally Mounted Backdraft Damper.....	511.46	81.86
23 33 13 23-0130 EA 40" x 36" Horizontally Mounted Backdraft Damper.....	560.04	86.93
23 33 13 23-0131 EA 40" x 40" Horizontally Mounted Backdraft Damper.....	567.08	92.00
23 33 13 23-0132 EA 40" x 44" Horizontally Mounted Backdraft Damper.....	611.50	97.22
23 33 13 23-0133 EA 40" x 48" Horizontally Mounted Backdraft Damper.....	640.59	97.22
23 33 13 23-0134 EA 40" x 50" Horizontally Mounted Backdraft Damper.....	618.58	102.29
23 33 13 23-0135 EA 44" x 6" Horizontally Mounted Backdraft Damper.....	258.01	33.17
23 33 13 23-0136 EA 44" x 8" Horizontally Mounted Backdraft Damper.....	250.76	40.85
23 33 13 23-0137 EA 44" x 10" Horizontally Mounted Backdraft Damper.....	298.09	46.08
23 33 13 23-0138 EA 44" x 12" Horizontally Mounted Backdraft Damper.....	345.42	51.14
23 33 13 23-0139 EA 44" x 14" Horizontally Mounted Backdraft Damper.....	328.78	56.21
23 33 13 23-0140 EA 44" x 16" Horizontally Mounted Backdraft Damper.....	366.98	61.44
23 33 13 23-0141 EA 44" x 18" Horizontally Mounted Backdraft Damper.....	389.82	61.44
23 33 13 23-0142 EA 44" x 20" Horizontally Mounted Backdraft Damper.....	428.02	66.50
23 33 13 23-0143 EA 44" x 24" Horizontally Mounted Backdraft Damper.....	449.61	76.80
23 33 13 23-0144 EA 44" x 28" Horizontally Mounted Backdraft Damper.....	501.49	81.86
23 33 13 23-0145 EA 44" x 32" Horizontally Mounted Backdraft Damper.....	553.39	86.93
23 33 13 23-0146 EA 44" x 36" Horizontally Mounted Backdraft Damper.....	564.17	92.00
23 33 13 23-0147 EA 44" x 40" Horizontally Mounted Backdraft Damper.....	611.50	97.22
23 33 13 23-0148 EA 44" x 44" Horizontally Mounted Backdraft Damper.....	643.47	97.22
23 33 13 23-0149 EA 44" x 48" Horizontally Mounted Backdraft Damper.....	636.02	102.29
23 33 13 23-0150 EA 44" x 50" Horizontally Mounted Backdraft Damper.....	649.70	102.29
23 33 13 23-0151 EA 48" x 6" Horizontally Mounted Backdraft Damper.....	280.07	35.78
23 33 13 23-0152 EA 48" x 8" Horizontally Mounted Backdraft Damper.....	262.38	40.85
23 33 13 23-0153 EA 48" x 10" Horizontally Mounted Backdraft Damper.....	312.62	46.08
23 33 13 23-0154 EA 48" x 12" Horizontally Mounted Backdraft Damper.....	303.05	51.14
23 33 13 23-0155 EA 48" x 14" Horizontally Mounted Backdraft Damper.....	343.31	56.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	383.60	61.44
23 33	13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	423.86	66.50
23 33	13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	414.32	71.57
23 33	13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	469.53	76.80
23 33	13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	540.11	86.93
23 33	13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	555.47	92.00
23 33	13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	605.71	97.22
23 33	13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	640.59	97.22
23 33	13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	636.02	102.29
23 33	13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	681.26	107.35
23 33	13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	696.21	107.35
23 33	13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	287.26	35.78
23 33	13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	283.56	46.08
23 33	13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	335.26	51.14
23 33	13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	324.63	56.21
23 33	13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	365.95	61.44
23 33	13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	407.24	66.50
23 33	13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	448.56	71.57
23 33	13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	437.96	76.80
23 33	13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	494.84	81.86
23 33	13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	551.72	86.93
23 33	13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	567.08	92.00
23 33	13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	618.78	97.22
23 33	13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	618.58	102.29
23 33	13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	649.70	102.29
23 33	13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	696.21	107.35
23 33	13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	711.77	107.35
23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)					
Note: Galvanized steel frame, aluminum blades. Excludes motor pack.					
23 33	13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	125.81	17.05
23 33	13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	153.02	17.81
23 33	13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	157.49	17.97
23 33	13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	164.40	17.97
23 33	13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	179.78	18.44
23 33	13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	199.75	20.43
23 33	13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	200.52	18.44
23 33	13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	227.41	20.43
23 33	13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	230.47	21.50
23 33	13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	242.00	23.04
23 33	13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	194.85	19.50
23 33	13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	206.05	21.50
23 33	13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	220.77	23.04
23 33	13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	228.45	25.65
23 33	13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	246.23	28.11
23 33	13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	238.36	20.43
23 33	13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	251.10	23.04
23 33	13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	221.66	25.65
23 33	13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	221.66	25.65
23 33	13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	245.41	28.11
23 33	13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	253.09	30.72
23 33	13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	233.47	21.50
23 33	13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	238.09	23.04
23 33	13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	257.84	25.65
23 33	13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	277.59	28.11
23 33	13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	285.27	30.72
23 33	13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	292.95	33.17
23 33	13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	312.35	38.40
23 33	13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	310.06	40.85
23 33	13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	340.40	46.08
23 33	13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	271.30	23.04
23 33	13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	286.47	25.65
23 33	13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	294.15	28.11
23 33	13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	316.79	30.72
23 33	13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	324.47	33.17
23 33	13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	332.15	35.78
23 33	13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	358.74	40.85
23 33	13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	362.47	40.85
23 33	13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	377.83	46.08
23 33	13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	400.68	51.14
23 33	13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	431.02	56.21
23 33	13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	446.38	61.44
23 33	13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	346.38	25.65
23 33	13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	354.06	28.11
23 33	13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	361.74	30.72
23 33	13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	369.42	33.17
23 33	13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	396.00	38.40
23 33	13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	422.37	40.85
23 33	13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	437.73	46.08
23 33	13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	437.73	46.08



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	393.19	51.14
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	375.28	56.21
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	390.64	61.44
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	415.82	66.50
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	436.10	71.57
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	451.46	76.80
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	451.46	76.80
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	312.62	25.65
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	320.30	28.11
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	335.66	33.17
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	355.93	38.40
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	368.51	40.85
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	383.87	46.08
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	399.23	51.14
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	418.88	51.14
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	434.24	56.21
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	449.60	61.44
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	469.87	66.50
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	505.51	76.80
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	505.51	76.80
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	542.98	81.86
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	513.08	86.93
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	513.08	86.93
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	528.44	92.00
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	538.94	92.00
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	349.05	28.11
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	364.41	33.17
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	376.31	35.78
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	400.02	40.85
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	432.18	46.08
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	447.54	51.14
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	447.54	51.14
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	471.30	56.21
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	486.66	61.44
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	502.02	66.50
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	532.74	76.80
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	545.36	76.80
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	569.12	81.86
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	597.07	86.93
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	612.43	92.00
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	612.43	92.00
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	631.97	97.22
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	646.68	97.22
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	631.62	102.29
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	631.62	102.29
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	660.51	107.35
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	424.36	28.11
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	455.14	35.78
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	470.48	40.85
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	485.84	46.08
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	524.37	51.14
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	524.37	51.14
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	539.73	56.21
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	562.82	61.44
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	582.03	66.50
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	616.61	76.80
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	616.61	76.80
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	662.87	81.86
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	678.23	86.93
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	693.59	92.00
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	716.69	97.22
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	724.42	97.22
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	739.78	102.29
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	741.69	102.29
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	786.02	107.35
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	786.02	107.35
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	786.02	107.35
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	574.96	30.72
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	601.85	38.40
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	609.51	40.85
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	632.60	46.08
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	608.29	51.14
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	623.65	56.21
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	666.55	61.44
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	681.91	66.50
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	711.07	71.57
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	726.43	76.80
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	741.79	81.86
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	757.15	86.93
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	793.17	92.00
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	822.30	97.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0315	EA		44" x 28" Vertically Mounted Backdraft Damper	822.30	97.22
23 33 13 23-0316	EA		32" x 40" Vertically Mounted Backdraft Damper	858.34	102.29
23 33 13 23-0317	EA		40" x 32" Vertically Mounted Backdraft Damper	651.00	33.17
23 33 13 23-0318	EA		36" x 36" Vertically Mounted Backdraft Damper	680.91	40.85
23 33 13 23-0319	EA		28" x 48" Vertically Mounted Backdraft Damper	716.92	46.08
23 33 13 23-0320	EA		48" x 28" Vertically Mounted Backdraft Damper	732.28	51.14
23 33 13 23-0321	EA		50" x 28" Vertically Mounted Backdraft Damper	771.75	56.21
23 33 13 23-0322	EA		32" x 44" Vertically Mounted Backdraft Damper	790.57	61.44
23 33 13 23-0323	EA		44" x 32" Vertically Mounted Backdraft Damper	790.57	61.44
23 33 13 23-0324	EA		36" x 40" Vertically Mounted Backdraft Damper	821.43	66.50
23 33 13 23-0325	EA		40" x 36" Vertically Mounted Backdraft Damper	788.43	76.80
23 33 13 23-0326	EA		28" x 52" Vertically Mounted Backdraft Damper	809.97	81.86
23 33 13 23-0327	EA		32" x 48" Vertically Mounted Backdraft Damper	856.33	86.93
23 33 13 23-0328	EA		48" x 32" Vertically Mounted Backdraft Damper	871.69	92.00
23 33 13 23-0329	EA		28" x 56" Vertically Mounted Backdraft Damper	899.46	97.22
23 33 13 23-0330	EA		36" x 44" Vertically Mounted Backdraft Damper	905.67	97.22
23 33 13 23-0331	EA		44" x 36" Vertically Mounted Backdraft Damper	921.03	102.29
23 33 13 23-0332	EA		40" x 40" Vertically Mounted Backdraft Damper	927.22	102.29
23 33 13 23-0333	EA		50" x 32" Vertically Mounted Backdraft Damper	727.56	35.78
23 33 13 23-0334	EA		32" x 52" Vertically Mounted Backdraft Damper	767.71	40.85
23 33 13 23-0335	EA		28" x 60" Vertically Mounted Backdraft Damper	789.26	46.08
23 33 13 23-0336	EA		36" x 48" Vertically Mounted Backdraft Damper	823.24	51.14
23 33 13 23-0337	EA		48" x 36" Vertically Mounted Backdraft Damper	838.60	56.21
23 33 13 23-0338	EA		40" x 44" Vertically Mounted Backdraft Damper	866.37	61.44
23 33 13 23-0339	EA		44" x 40" Vertically Mounted Backdraft Damper	881.73	66.50
23 33 13 23-0340	EA		32" x 56" Vertically Mounted Backdraft Damper	909.46	71.57
23 33 13 23-0341	EA		50" x 36" Vertically Mounted Backdraft Damper	850.42	76.80
23 33 13 23-0342	EA		36" x 52" Vertically Mounted Backdraft Damper	905.95	86.93
23 33 13 23-0343	EA		32" x 60" Vertically Mounted Backdraft Damper	937.84	92.00
23 33 13 23-0344	EA		40" x 48" Vertically Mounted Backdraft Damper	953.20	97.22
23 33 13 23-0345	EA		48" x 40" Vertically Mounted Backdraft Damper	953.20	97.22
23 33 13 23-0346	EA		44" x 44" Vertically Mounted Backdraft Damper	974.08	102.29
23 33 13 23-0347	EA		40" x 50" Vertically Mounted Backdraft Damper	1,011.49	107.35
23 33 13 23-0348	EA		50" x 40" Vertically Mounted Backdraft Damper	1,011.49	107.35
23 33 13 23-0349	EA		36" x 56" Vertically Mounted Backdraft Damper	801.96	35.78
23 33 13 23-0350	EA		32" x 64" Vertically Mounted Backdraft Damper	843.70	46.08
23 33 13 23-0351	EA		44" x 48" Vertically Mounted Backdraft Damper	881.11	51.14
23 33 13 23-0352	EA		48" x 44" Vertically Mounted Backdraft Damper	896.47	56.21
23 33 13 23-0353	EA		36" x 60" Vertically Mounted Backdraft Damper	928.36	61.44
23 33 13 23-0354	EA		32" x 68" Vertically Mounted Backdraft Damper	949.24	66.50
23 33 13 23-0355	EA		44" x 50" Vertically Mounted Backdraft Damper	878.13	71.57
23 33 13 23-0356	EA		50" x 44" Vertically Mounted Backdraft Damper	893.49	76.80
23 33 13 23-0357	EA		32" x 72" Vertically Mounted Backdraft Damper	940.18	81.86
23 33 13 23-0358	EA		36" x 64" Vertically Mounted Backdraft Damper	955.54	86.93
23 33 13 23-0359	EA		48" x 48" Vertically Mounted Backdraft Damper	970.90	92.00
23 33 13 23-0360	EA		48" x 50" Vertically Mounted Backdraft Damper	1,015.20	97.22
23 33 13 23-0361	EA		50" x 48" Vertically Mounted Backdraft Damper	1,030.56	102.29
23 33 13 23-0362	EA		36" x 68" Vertically Mounted Backdraft Damper	1,045.03	102.29
23 33 13 23-0363	EA		50" x 50" Vertically Mounted Backdraft Damper	1,076.07	107.35
23 33 13 23-0364	EA		36" x 72" Vertically Mounted Backdraft Damper	1,103.79	107.35
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)					
23 33 13 23-0366	EA		For Motor Pack For Horizontally Mounted Backdraft Damper	298.42	38.51
23 33 13 23-0367	EA		For Motor Pack For Vertically Mounted Backdraft Damper	501.63	38.51
23 33 13 33 Splitter Damper Hardware (23 33 13)					
23 33 13 33-0001	EA		Splitter Damper, Hardware	52.41	10.74
23 33 13 43 Blower Check Valve (23 33 13)					
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)					
23 33 13 43-0002	EA		2-1/2" Blower Check Valves, Silicone Seals	282.11	39.62
23 33 13 43-0003	EA		3" Blower Check Valves, Silicone Seals	315.35	45.15
23 33 13 43-0004	EA		4" Blower Check Valves, Silicone Seals	405.81	59.90
23 33 13 43-0005	EA		5" Blower Check Valves, Silicone Seals	555.32	69.12
23 33 13 43-0006	EA		6" Blower Check Valves, Silicone Seals	624.39	82.94
23 33 13 43-0007	EA		8" Blower Check Valves, Silicone Seals	923.34	105.05
23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)					
23 33 13 43-0009	EA		2-1/2" Blower Check Valves, Viton Seats	384.14	39.62
23 33 13 43-0010	EA		3" Blower Check Valves, Viton Seats	436.61	45.15
23 33 13 43-0011	EA		4" Blower Check Valves, Viton Seats	490.24	59.90
23 33 13 43-0012	EA		5" Blower Check Valves, Viton Seats	681.73	69.12
23 33 13 43-0013	EA		6" Blower Check Valves, Viton Seats	763.92	82.94
23 33 13 43-0014	EA		8" Blower Check Valves, Viton Seats	1,170.17	105.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 33 19 Duct Silencers (23 33)

23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	428.63	62.89
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	513.47	72.10
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	658.86	82.84
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	796.18	93.58
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	741.30	93.58
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	933.76	98.18
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,028.71	104.31
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,126.76	110.45
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,464.39	125.79
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	931.83	104.31
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,248.02	125.79
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,175.11	168.74
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,400.18	177.94
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,675.56	191.75
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	3,000.41	208.63

23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	477.96	138.06
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	574.28	159.53
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	738.80	184.09
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	892.85	207.09
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	830.47	207.09
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,051.13	219.37
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,153.78	230.10
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,258.73	242.37
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,645.83	276.12
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,043.69	230.10
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,399.96	276.12
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,433.06	363.56
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,711.86	394.24
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	3,005.55	418.78
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	3,379.13	460.20

23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0034 EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	409.92	115.05
23 33 19 00-0035 EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	693.77	171.81
23 33 19 00-0036 EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	971.77	251.58
23 33 19 00-0037 EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	547.68	138.06
23 33 19 00-0038 EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	677.03	159.53
23 33 19 00-0039 EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	907.61	184.09
23 33 19 00-0040 EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,066.02	197.89
23 33 19 00-0041 EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,162.42	213.22
23 33 19 00-0042 EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,451.03	230.10
23 33 19 00-0043 EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,709.38	251.58
23 33 19 00-0044 EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,008.29	213.22
23 33 19 00-0045 EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,410.50	222.43
23 33 19 00-0046 EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,535.43	230.10
23 33 19 00-0047 EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,669.74	242.37
23 33 19 00-0048 EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,080.62	260.78
23 33 19 00-0049 EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,255.00	276.12

23 33 23 Turning Vanes (23 33)

23 33 23 00-0001 Duct Turning Vane Components (23 33 23)

23 33 23 00-0002 LF Duct Turning Vane Rail.....	14.93	3.83
<i>For Stainless Steel, Add</i>	9.07	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane.....	13.69	1.54
<i>For Stainless Steel, Add</i>	13.66	

23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets.....	55.46	5.75
<i>For Stainless Steel, Add</i>	62.75	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets.....	68.73	6.13
<i>For Stainless Steel, Add</i>	79.38	
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets.....	93.61	6.44
<i>For Stainless Steel, Add</i>	111.14	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets.....	118.55	6.91
<i>For Stainless Steel, Add</i>	142.90	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets.....	131.32	7.36
<i>For Stainless Steel, Add</i>	158.76	
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets.....	167.41	6.91
<i>For Stainless Steel, Add</i>	206.43	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	205.65 254.05	8.13
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	220.75 273.17	8.50
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	246.40 305.96	8.84
23 33 33 Duct-Mounting Access Doors (23 33)		
23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	117.52 62.46	21.48
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	124.08 75.58	21.48
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	127.29 82.00	21.48
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	164.01 115.62	26.08
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	165.31 118.22	26.08
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	206.09 136.06	35.28
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	245.83 146.52	42.95
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	320.05 179.90	58.30
23 33 43 Flexible Connectors (23 33)		
23 33 43 00-0001 LF 6-1/2" Width, Galvanized Steel, Flexible Duct Connector	19.05	4.60
23 33 43 00-0002 LF 5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	19.48	4.14
23 33 46 Flexible Ducts (23 33)		
23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.46	1.54
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	11.57	3.07
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	13.03	3.07
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	15.13	3.07
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	17.77	4.60
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	22.98	4.60
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	30.89	6.13
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	38.43	6.13
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	50.23	7.67
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0011 LF 18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	61.15	9.97
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		
23 33 46 00-0012 LF 20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	71.88	10.74
<i>For R6.0 Insulated Flexible Duct, Deduct</i>		
<i>For R4.2 Insulated Flexible Duct, Deduct</i>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper <small>(23 33 46)</small>					
23 33 46 00-0014	EA		Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	58.82	9.20
			<i>For Stainless Steel, Add</i>	31.59	
23 33 46 00-0015	EA		5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	64.06	10.74
			<i>For Stainless Steel, Add</i>	32.01	
23 33 46 00-0016	EA		6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	73.17	10.74
			<i>For Stainless Steel, Add</i>	35.30	
23 33 46 00-0017	EA		7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	83.25	13.80
			<i>For Stainless Steel, Add</i>	36.43	
23 33 46 00-0018	EA		8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	100.68	16.87
			<i>For Stainless Steel, Add</i>	41.15	
23 33 46 00-0019	EA		10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	117.92	19.94
			<i>For Stainless Steel, Add</i>	50.73	
23 33 46 00-0020	EA		12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	134.08	23.01
			<i>For Stainless Steel, Add</i>	54.65	
23 33 46 00-0021	EA		14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	158.48	26.08
			<i>For Stainless Steel, Add</i>	68.43	
23 33 46 00-0022	EA		16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	172.64	29.15
			<i>For Stainless Steel, Add</i>	74.87	

23 33 53 Duct Liners (23 33)

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation <small>(23 33 53)</small>					
23 33 53 00-0002	SF		1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.46	4.36
23 33 53 00-0003	SF		3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	17.98	4.36
23 33 53 00-0004	SF		1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	19.98	5.82
23 33 53 00-0005	SF		1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	24.49	5.82
23 33 53 00-0006	SF		2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	29.55	6.56
23 33 53 00-0007	SF		1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.35	4.60
23 33 53 00-0008	SF		3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.77	4.60
23 33 53 00-0009	SF		1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	18.70	6.13
23 33 53 00-0010	SF		1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	22.78	6.13
23 33 53 00-0011	SF		2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	27.61	6.91

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)

23 33 53 00-0013	SF		1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	3.41	3.68
23 33 53 00-0014	SF		1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	4.11	4.14
23 33 53 00-0015	SF		1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	4.99	4.14
23 33 53 00-0016	SF		1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	6.50	4.14
23 33 53 00-0017	SF		1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	5.38	4.60
23 33 53 00-0018	SF		2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	5.71	5.06
23 33 53 00-0019	SF		2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	8.97	5.06

23 33 56 Duct Air Extractors (23 33)

23 33 56 00-0001	EA		12" x 4" Duct Air Extractor	70.14	25.31
			<i>For Stainless Steel, Add</i>	25.38	
23 33 56 00-0002	EA		8" x 6" Duct Air Extractor	74.75	27.61
			<i>For Stainless Steel, Add</i>	25.38	
23 33 56 00-0003	EA		12" x 6" Duct Air Extractor	85.31	29.15
			<i>For Stainless Steel, Add</i>	35.11	
23 33 56 00-0004	EA		16" x 6" Duct Air Extractor	95.62	30.68
			<i>For Stainless Steel, Add</i>	44.54	
23 33 56 00-0005	EA		24" x 6" Duct Air Extractor	124.06	33.75
			<i>For Stainless Steel, Add</i>	73.54	
23 33 56 00-0006	EA		12" x 8" Duct Air Extractor	91.64	30.68
			<i>For Stainless Steel, Add</i>	39.36	
23 33 56 00-0007	EA		20" x 8" Duct Air Extractor	120.51	38.35
			<i>For Stainless Steel, Add</i>	56.97	
23 33 56 00-0008	EA		18" x 10" Duct Air Extractor	130.46	43.72
			<i>For Stainless Steel, Add</i>	55.94	
23 33 56 00-0009	EA		24" x 10" Duct Air Extractor	158.55	51.38
			<i>For Stainless Steel, Add</i>	72.50	
23 33 56 00-0010	EA		24" x 12" Duct Air Extractor	182.48	61.36
			<i>For Stainless Steel, Add</i>	77.69	
23 33 56 00-0011	EA		30" x 12" Duct Air Extractor	228.30	76.70
			<i>For Stainless Steel, Add</i>	97.37	

23 33 59 Duct Pressure Relief Doors (23 33)

23 33 59 00-0001 Duct Pressure Relief Doors <small>(23 33 59)</small>					
23 33 59 00-0002	EA		18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,274.17	46.02
23 33 59 00-0003	EA		24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,047.26	38.35
23 33 59 00-0004	EA		24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,040.80	42.19

23 34 HVAC Fans (23 30)

23 34 13 Axial HVAC Fans (23 34)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0001 Tube-Axial Fans (23 34 13)		
23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)		
23 34 13 00-0003 EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	2,094.50	470.91
For 1/4" Static Pressure, Add	92.14	
For 3/8" Static Pressure, Add	184.28	
For 1/2" Static Pressure, Add	253.38	
23 34 13 00-0004 EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	2,176.77	472.33
For 1/4" Static Pressure, Add	98.72	
For 3/8" Static Pressure, Add	197.44	
For 1/2" Static Pressure, Add	271.48	
23 34 13 00-0005 EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	2,341.30	470.91
For 1/4" Static Pressure, Add	111.88	
For 3/8" Static Pressure, Add	223.76	
For 1/2" Static Pressure, Add	307.68	
23 34 13 00-0006 EA 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	2,505.83	472.33
For 1/4" Static Pressure, Add	125.04	
For 3/8" Static Pressure, Add	250.09	
For 1/2" Static Pressure, Add	343.87	
23 34 13 00-0007 EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	2,941.18	565.66
For 1/4" Static Pressure, Add	144.79	
For 3/8" Static Pressure, Add	289.58	
For 1/2" Static Pressure, Add	398.17	
23 34 13 00-0008 EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	3,368.62	615.15
For 1/4" Static Pressure, Add	171.11	
For 3/8" Static Pressure, Add	342.23	
For 1/2" Static Pressure, Add	470.56	
23 34 13 00-0009 EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	3,568.01	673.13
For 1/4" Static Pressure, Add	177.70	
For 3/8" Static Pressure, Add	355.39	
For 1/2" Static Pressure, Add	488.66	
23 34 13 00-0010 EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	4,046.68	707.07
For 1/4" Static Pressure, Add	210.60	
For 3/8" Static Pressure, Add	421.20	
For 1/2" Static Pressure, Add	579.16	
23 34 13 00-0011 EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	4,893.81	883.84
For 1/4" Static Pressure, Add	250.09	
For 3/8" Static Pressure, Add	500.18	
For 1/2" Static Pressure, Add	687.75	
23 34 13 00-0012 EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	5,505.26	943.24
For 1/4" Static Pressure, Add	289.58	
For 3/8" Static Pressure, Add	579.16	
For 1/2" Static Pressure, Add	796.34	
23 34 13 00-0013 EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	6,453.47	1,087.48
For 1/4" Static Pressure, Add	342.23	
For 3/8" Static Pressure, Add	684.46	
For 1/2" Static Pressure, Add	941.13	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)		
23 34 13 00-0015 EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,989.84	456.77
For 1/4" Static Pressure, Add	86.20	
For 3/8" Static Pressure, Add	172.40	
For 1/2" Static Pressure, Add	237.05	
23 34 13 00-0016 EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	2,105.32	472.33
For 1/4" Static Pressure, Add	93.00	
For 3/8" Static Pressure, Add	186.01	
For 1/2" Static Pressure, Add	255.76	
23 34 13 00-0017 EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	2,175.63	487.88
For 1/4" Static Pressure, Add	96.03	
For 3/8" Static Pressure, Add	192.06	
For 1/2" Static Pressure, Add	264.08	
23 34 13 00-0018 EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	2,298.68	504.85
For 1/4" Static Pressure, Add	103.09	
For 3/8" Static Pressure, Add	206.17	
For 1/2" Static Pressure, Add	283.49	
23 34 13 00-0019 EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	2,575.53	524.65
For 1/4" Static Pressure, Add	122.24	
For 3/8" Static Pressure, Add	244.48	
For 1/2" Static Pressure, Add	336.16	
23 34 13 00-0020 EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	2,713.48	544.45
For 1/4" Static Pressure, Add	130.05	
For 3/8" Static Pressure, Add	260.11	
For 1/2" Static Pressure, Add	357.65	
23 34 13 00-0021 EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	3,021.65	565.66
For 1/4" Static Pressure, Add	151.23	
For 3/8" Static Pressure, Add	302.45	
For 1/2" Static Pressure, Add	415.87	
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	3,381.78	565.66
For 1/4" Static Pressure, Add	180.18	
For 3/8" Static Pressure, Add	360.36	
For 1/2" Static Pressure, Add	495.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	3,905.52	615.15
For 1/4" Static Pressure, Add	214.24	
For 3/8" Static Pressure, Add	428.47	
For 1/2" Static Pressure, Add	589.15	
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	4,636.00	745.25
For 1/4" Static Pressure, Add	252.04	
For 3/8" Static Pressure, Add	504.09	
For 1/2" Static Pressure, Add	693.12	
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	5,245.50	745.25
For 1/4" Static Pressure, Add	300.30	
For 3/8" Static Pressure, Add	600.60	
For 1/2" Static Pressure, Add	825.83	
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	5,762.64	786.27
For 1/4" Static Pressure, Add	335.31	
For 3/8" Static Pressure, Add	670.62	
For 1/2" Static Pressure, Add	922.10	
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	6,284.76	831.52
For 1/4" Static Pressure, Add	370.00	
For 3/8" Static Pressure, Add	739.99	
For 1/2" Static Pressure, Add	1,017.49	
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	7,209.82	1,087.48
For 1/4" Static Pressure, Add	403.27	
For 3/8" Static Pressure, Add	806.54	
For 1/2" Static Pressure, Add	1,108.99	
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	8,174.99	1,088.90
For 1/4" Static Pressure, Add	480.48	
For 3/8" Static Pressure, Add	960.97	
For 1/2" Static Pressure, Add	1,321.33	
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	9,253.83	1,285.18
For 1/4" Static Pressure, Add	535.36	
For 3/8" Static Pressure, Add	1,070.72	
For 1/2" Static Pressure, Add	1,472.23	
23 34 16 Centrifugal HVAC Fans (23 34)		
23 34 16 00-0001 Centrifugal Fans (23 34 16)		
Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)		
Note: V-belt driven.		
23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
Note: Under 30" diameter wheel.		
23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005 EA 1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,315.00	310.69
23 34 16 00-0006 EA 1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,838.81	322.43
23 34 16 00-0007 EA 1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,895.15	256.95
23 34 16 00-0008 EA 1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,978.28	352.12
23 34 16 00-0009 EA 3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,031.64	373.34
23 34 16 00-0010 EA 1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,098.01	388.89
23 34 16 00-0011 EA 1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,168.60	414.35
23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,108.03	339.39
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,148.68	352.12
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,223.20	373.34
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,268.01	388.89
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,349.81	414.35
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,428.62	434.14
23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020 EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,127.43	352.12
23 34 16 00-0021 EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,180.70	373.34
23 34 16 00-0022 EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,246.76	388.89
23 34 16 00-0023 EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,307.30	414.35
23 34 16 00-0024 EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,379.04	434.14
23 34 16 00-0025 EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,481.48	466.67
23 34 16 00-0026 EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,561.20	490.71
23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,425.08	373.34
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,513.21	388.89
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,614.14	414.35
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,669.37	434.14
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,744.71	466.67
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,807.93	490.71
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,113.76	533.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,507.08	388.89
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,572.92	414.35
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,655.30	434.14
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,725.88	466.67
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,816.21	490.71
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,954.39	533.13
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,045.87	565.66
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,185.31	622.22
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,541.06	414.35
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,623.40	434.14
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,725.88	466.67
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,816.21	490.71
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,986.26	533.13
23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,214.34	565.66
23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,386.59	622.22
23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,560.19	666.06
23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,030.72	434.14
23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,096.31	466.67
23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,179.24	490.71
23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,287.31	533.13
23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,422.16	565.66
23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,483.97	622.22
23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,581.44	666.06
23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,755.76	746.67
23 34 16 00-0062 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,625.48	466.67
23 34 16 00-0064 EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,761.91	533.13
23 34 16 00-0065 EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,885.26	565.66
23 34 16 00-0066 EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,024.10	622.22
23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,144.57	666.06
23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,265.78	746.67
23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,417.28	811.72
23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,761.11	933.33
23 34 16 00-0071 27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0072 EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,008.01	490.71
23 34 16 00-0073 EA 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,150.91	565.66
23 34 16 00-0074 EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,289.73	622.22
23 34 16 00-0075 EA 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,410.21	666.06
23 34 16 00-0076 EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,584.54	746.67
23 34 16 00-0077 EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,735.71	811.72
23 34 16 00-0078 EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,102.12	933.33
23 34 16 00-0079 EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,183.87	1,036.57
23 34 16 00-0080 Large Industrial Type Utility Backward Centrifugal Fans <small>(23 34 16 00-0002)</small> Note: Over 30" diameter wheel.		
23 34 16 00-0081 30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,591.34	622.22
23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,707.63	666.06
23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,891.45	746.67
23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,053.25	811.72
23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,301.79	933.33
23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,522.65	1,036.57
23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,900.67	1,244.45
23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,247.83	1,435.36
23 34 16 00-0090 33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
23 34 16 00-0091 EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,535.28	666.06
23 34 16 00-0092 EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,762.73	746.67
23 34 16 00-0093 EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,967.35	811.72
23 34 16 00-0094 EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,258.07	933.33
23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,521.45	1,036.57
23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,941.95	1,244.45
23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,396.98	1,435.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,097.23	1,866.68
23 34 16 00-0099 36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure <small>(23 34 16 00-0098)</small>		
23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,988.00	746.67
23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,198.99	811.72
23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,840.33	933.33
23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,280.10	1,036.57
23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,849.61	1,244.45
23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,297.95	1,435.36
23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,249.15	1,866.68
23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,083.15	2,333.34
23 34 16 00-0108 Kitchen System Fans <small>(23 34 16 00-0001)</small>		
23 34 16 00-0109 Upblast Kitchen Exhaust Fans <small>(23 34 16 00-0108)</small>		
23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
Note: Greenheck CUE.		
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,448.45	183.84
Note: 115V. For roof or wall installations. Includes disconnect switch.		
<i>For Bird Screen, Add</i> 61.24		
<i>For Backdraft Damper, Add</i> 180.77		
<i>For Damper Motor, Add</i> 292.11		
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,691.73	183.84
Note: 115V. For roof or wall installations. Includes disconnect switch.		
<i>For Bird Screen, Add</i> 61.24		
<i>For Backdraft Damper, Add</i> 180.77		
<i>For Damper Motor, Add</i> 292.11		
23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,460.28	183.84
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i> 61.24		
<i>For Wall Mounted Fan, Add</i> 98.41		
<i>For 3 Phase Motor, Deduct</i> -50.00		
<i>For Totally Enclosed Motor, Add</i> 85.00		
<i>For Grease Trap Kit, Add</i> 76.41		
<i>For Hinged Curb Kit, Add</i> 177.87		
<i>For Backdraft Damper, Add</i> 180.77		
<i>For Damper Motor, Add</i> 292.11		
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,565.86	183.84
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i> 61.24		
<i>For Wall Mounted Fan, Add</i> 102.63		
<i>For 3 Phase Motor, Deduct</i> -50.00		
<i>For Totally Enclosed Motor, Add</i> 85.00		
<i>For Grease Trap Kit, Add</i> 76.41		
<i>For Hinged Curb Kit, Add</i> 186.85		
<i>For Backdraft Damper, Add</i> 180.77		
<i>For Damper Motor, Add</i> 292.11		
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,214.89	212.12
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i> 69.68		
<i>For Wall Mounted Fan, Add</i> 88.60		
<i>For 3 Phase Motor, Deduct</i> -50.00		
<i>For Totally Enclosed Motor, Add</i> 85.00		
<i>For Grease Trap Kit, Add</i> 76.41		
<i>For Hinged Curb Kit, Add</i> 152.20		
<i>For Backdraft Damper, Add</i> 205.17		
<i>For Damper Motor, Add</i> 292.11		
23 34 16 00-0117 EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,366.92	212.12
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i> 69.68		
<i>For Wall Mounted Fan, Add</i> 94.68		
<i>For 3 Phase Motor, Deduct</i> -50.00		
<i>For Totally Enclosed Motor, Add</i> 85.00		
<i>For Grease Trap Kit, Add</i> 76.41		
<i>For Hinged Curb Kit, Add</i> 165.13		
<i>For Backdraft Damper, Add</i> 205.17		
<i>For Damper Motor, Add</i> 292.11		
23 34 16 00-0118 EA 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,003.53	247.48
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i> 69.68		
<i>For Wall Mounted Fan, Add</i> 120.14		
<i>For 3 Phase Motor, Deduct</i> -50.00		
<i>For Totally Enclosed Motor, Add</i> 85.00		
<i>For Grease Trap Kit, Add</i> 76.41		
<i>For Hinged Curb Kit, Add</i> 213.23		
<i>For Backdraft Damper, Add</i> 205.17		
<i>For Damper Motor, Add</i> 292.11		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0119 EA 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,166.12	247.48
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	69.68	
For Wall Mounted Fan, Add	126.64	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	227.05	
For Backdraft Damper, Add	205.17	
For Damper Motor, Add	292.11	
23 34 16 00-0120 EA 18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,448.54	265.15
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	116.14	
For Wall Mounted Fan, Add	137.94	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	248.05	
For Backdraft Damper, Add	255.57	
For Damper Motor, Add	292.11	
23 34 16 00-0121 EA 18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,701.93	265.15
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	116.14	
For Wall Mounted Fan, Add	148.08	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	269.59	
For Backdraft Damper, Add	255.57	
For Damper Motor, Add	292.11	
23 34 16 00-0122 EA 20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,766.85	282.83
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	116.14	
For Wall Mounted Fan, Add	150.67	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	272.10	
For Backdraft Damper, Add	255.57	
For Damper Motor, Add	292.11	
23 34 16 00-0123 EA 20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,123.71	282.83
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	116.14	
For Wall Mounted Fan, Add	164.95	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	302.43	
For Backdraft Damper, Add	255.57	
For Damper Motor, Add	292.11	
23 34 16 00-0124 EA 24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,747.65	318.18
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	137.25	
For Wall Mounted Fan, Add	189.91	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	349.46	
For Backdraft Damper, Add	277.09	
For Damper Motor, Add	292.11	
23 34 16 00-0125 EA 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	5,074.94	318.18
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	137.25	
For Wall Mounted Fan, Add	203.00	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	377.28	
For Backdraft Damper, Add	277.09	
For Damper Motor, Add	292.11	
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,009.30	353.53
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	147.81	
For Wall Mounted Fan, Add	240.37	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	450.69	
For Backdraft Damper, Add	307.27	
For Damper Motor, Add	292.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,116.99	353.53
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	147.81	
<i>For Wall Mounted Fan, Add</i>	244.68	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	459.84	
<i>For Backdraft Damper, Add</i>	307.27	
<i>For Damper Motor, Add</i>	292.11	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,663.89	353.53
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	147.81	
<i>For Wall Mounted Fan, Add</i>	266.56	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	506.33	
<i>For Backdraft Damper, Add</i>	307.27	
<i>For Damper Motor, Add</i>	292.11	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,927.84	353.53
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	147.81	
<i>For Wall Mounted Fan, Add</i>	277.11	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	528.77	
<i>For Backdraft Damper, Add</i>	307.27	
<i>For Damper Motor, Add</i>	292.11	
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	7,628.13	388.89
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Wall Mounted Fan, Add</i>	305.13	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	582.28	
<i>For Damper Motor, Add</i>	292.11	
<i>For Backdraft Damper, Add</i>	360.95	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	7,931.67	388.89
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Wall Mounted Fan, Add</i>	317.27	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	608.08	
<i>For Damper Motor, Add</i>	292.11	
<i>For Backdraft Damper, Add</i>	360.95	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	8,010.88	424.25
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	608.81	
<i>For Damper Motor, Add</i>	292.11	
<i>For Backdraft Damper, Add</i>	418.67	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	8,677.30	424.25
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	665.45	
<i>For Damper Motor, Add</i>	292.11	
<i>For Backdraft Damper, Add</i>	418.67	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108)		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan	1,673.02	183.84
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	287.68	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan	1,755.67	183.84
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	300.08	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan	1,857.09	183.84
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	315.29	
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan	1,896.43	183.84
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	321.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,136.46 369.96	247.48
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,571.68 442.32	282.83
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,987.60 518.85	353.53
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	3,614.62 627.04	424.25
23 34 16 00-0145 Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146 Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement	1,102.58	503.44
23 34 16 00-0148 EA Fan Belt, Replacement	174.95	68.29
23 34 16 00-0149 Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,372.89 879.31	255.41
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,932.47 947.83	306.80
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	8,227.85 1,119.13	383.50
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	8,864.76 1,176.22	511.59
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	10,212.94 1,301.84	767.01
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	17,685.16 2,192.57	1,534.01
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	25,778.47 3,208.92	2,192.86
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,372.89 879.31	255.41
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,551.82 890.73	306.80
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,705.23 890.73	383.50
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,961.49 890.73	511.59
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	9,603.89 1,210.48	767.01
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	9,987.39 1,210.48	958.75
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	10,264.11 1,210.48	1,097.12
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	10,523.16 1,233.32	1,150.50
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	10,854.96 1,244.74	1,278.28
23 34 16 00-0168 In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169 Direct Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,724.79	183.84
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,195.21	197.98
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,405.97	212.12
23 34 16 00-0173 Belt Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,511.52 -50.00 85.00	212.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0175	EA		13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch.	2,887.47	247.48
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA		13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch.	3,239.74	247.48
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA		13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch.	3,539.23	247.48
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA		16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch.	3,457.33	282.83
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA		16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch.	3,964.52	282.83
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180	EA		24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch.	5,043.41	353.53
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181	EA		24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch.	5,323.40	353.53
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182	EA		24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan..... Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,520.77	353.53
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0183	EA		30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch.	6,388.66	424.25
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch.	6,624.23	424.25
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch.	6,913.72	424.25
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0186			In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187	EA		77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	565.74	123.73
23 34 16 00-0188	EA		91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	565.74	123.73
23 34 16 00-0189	EA		82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	639.98	130.80
23 34 16 00-0190	EA		281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	704.01	130.80
23 34 16 00-0191	EA		190 CFM, 115 Volt, Direct Drive Cabinet Fan.....	878.90	130.80
23 34 16 00-0192	EA		217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	732.59	130.80
23 34 16 00-0193	EA		325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	833.09	130.80
23 34 16 00-0194	EA		250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan.....	1,542.48	130.80
23 34 16 00-0195	EA		419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	975.31	137.87
23 34 16 00-0196	EA		334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	991.08	137.87
23 34 16 00-0197	EA		350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan.....	1,605.90	137.87
23 34 16 00-0198	EA		527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	991.08	137.87
23 34 16 00-0199	EA		631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,321.14	137.87
23 34 16 00-0200	EA		752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,321.14	137.87
23 34 16 00-0201	EA		1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan.....	1,321.14	137.87
23 34 16 00-0202	EA		999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,431.50	137.87
23 34 16 00-0203			Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0204			Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0203)		
			Note: Greenheck SE1.		
23 34 16 00-0205	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard.	784.77	151.31
			<i>For Backdraft Damper, Add</i>	207.07	
			<i>For Wall Mount Collar, Add</i>	292.97	
23 34 16 00-0206	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard.	833.50	168.29
			<i>For Backdraft Damper, Add</i>	222.81	
			<i>For Wall Mount Collar, Add</i>	292.97	
23 34 16 00-0207	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard.	923.05	186.66
			<i>For Backdraft Damper, Add</i>	244.32	
			<i>For Wall Mount Collar, Add</i>	300.72	
23 34 16 00-0208	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,331.48	206.47
			<i>For Backdraft Damper, Add</i>	291.83	
			<i>For Wall Mount Collar, Add</i>	306.35	
			<i>For Motor Side Guard, Add</i>	250.64	
23 34 16 00-0209	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,134.81	229.09
			<i>For Backdraft Damper, Add</i>	291.83	
			<i>For Wall Mount Collar, Add</i>	314.11	
			<i>For Motor Side Guard, Add</i>	266.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0210 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,273.52	254.55
For Backdraft Damper, Add	353.78	
For Wall Mount Collar, Add	321.85	
For Motor Side Guard, Add	283.03	
23 34 16 00-0211 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,448.15	282.83
For Backdraft Damper, Add	353.78	
For Wall Mount Collar, Add	327.49	
For Motor Side Guard, Add	305.56	
23 34 16 00-0212 Belt Drive Propeller Exhaust Fans (23 34 16 00-0203)		
Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0213 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,638.96	404.44
23 34 16 00-0214 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	3,025.29	470.91
23 34 16 00-0215 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,442.17	565.66
23 34 16 00-0216 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,765.90	707.07
23 34 16 00-0217 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,718.72	943.24
23 34 16 00-0218 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,978.16	1,414.15
23 34 16 00-0219 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,614.73	1,812.94
23 34 16 00-0220 Propeller Exhaust Fan Accessories (23 34 16 00-0203)		
23 34 16 00-0221 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	136.91	
23 34 16 00-0222 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	312.90	
23 34 16 00-0223 Reversible Ceiling Fans (23 34 16 00-0203)		
23 34 16 00-0224 4 Blade Ceiling Fans (23 34 16 00-0223)		
23 34 16 00-0225 EA 42" 4-Blade Ceiling Fan, Three Speed	632.55	76.24
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.27	
23 34 16 00-0226 5 Blade Ceiling Fans (23 34 16 00-0223)		
23 34 16 00-0227 EA 42" 5-Blade Ceiling Fan, Three Speed	690.73	188.67
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.35	
23 34 16 00-0228 EA 52" 5-Blade Ceiling Fan, Three Speed	787.37	188.67
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.50	
23 34 16 00-0229 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0223)		
23 34 16 00-0230 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed	642.47	70.00
23 34 16 00-0231 Ceiling Fan Down Rod (23 34 16 00-0223)		
23 34 16 00-0232 EA 1' Ceiling Fan Down Rod	26.33	
23 34 16 00-0233 EA 1-1/2' Ceiling Fan Down Rod	33.74	
23 34 16 00-0234 EA 2' Ceiling Fan Down Rod	37.44	
23 34 16 00-0235 EA 3' Ceiling Fan Down Rod	49.36	
23 34 16 00-0236 EA 4' Ceiling Fan Down Rod	57.49	
23 34 16 00-0237 EA 5' Ceiling Fan Down Rod	70.11	
23 34 16 00-0238 EA 6' Ceiling Fan Down Rod	87.06	
23 34 16 00-0239 Explosion Proof Industrial Blowers (23 34 16 00-0203)		
23 34 16 00-0240 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,544.60	
23 34 16 00-0241 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	6,091.08	
23 34 16 00-0242 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,110.80	
23 34 16 00-0243 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,487.02	
23 34 16 00-0244 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	5,053.56	
23 34 16 00-0245 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,381.52	
23 34 16 00-0246 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,387.67	
23 34 16 00-0247 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	8,006.47	
23 34 16 00-0248 Exhaust Fans (23 34 16)		
23 34 16 00-0249 Exhaust Fans (23 34 16 00-0248)		
Note: Excludes ducting.		
23 34 16 00-0250 Light Duty Exhaust Fans (23 34 16 00-0249)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0251 Light Duty Exhaust Fans <small>(23 34 16 00-0250)</small>						
			EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	176.32	61.61
			EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	185.20	61.61
			EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	291.69	61.61
			EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	362.91	61.61
			EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	326.75	61.61
			EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	427.87	61.61
23 34 16 00-0258 Light Duty Exhaust Fans With Lights <small>(23 34 16 00-0250)</small>						
			EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	223.77	61.61
			EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	245.99	61.61
			EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	441.45	61.61
23 34 16 00-0262 Light Duty Exhaust Fans With Heaters <small>(23 34 16 00-0250)</small>						
			EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	228.59	61.61
			EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	350.45	61.61
23 34 16 00-0265 Light Duty Exhaust Fans With Heaters And Lights <small>(23 34 16 00-0250)</small>						
			EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	371.58	61.61
			EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	552.97	61.61
23 34 16 00-0268 Heavy Duty/Continuous Operation Exhaust Fans <small>(23 34 16 00-0249)</small>						
23 34 16 00-0269 Heavy Duty/Continuous Operation Exhaust Fans <small>(23 34 16 00-0268)</small>						
Note: Includes enamel steel or aluminum grille.						
			EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	262.15	61.61
			EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	287.62	61.61
			EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	508.07	61.61
			EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	519.88	61.61
			EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	556.62	61.61
			EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	580.09	61.61
			EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	589.19	61.61
			EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	671.20	61.61
			EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	761.66	61.61
			EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	813.18	61.61
			EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	963.70	61.61
			EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	1,231.83	61.61
23 34 16 00-0282 Heavy Duty/Continuous Operation Kitchen Exhaust Fans <small>(23 34 16 00-0268)</small>						
Note: Includes enamel steel or aluminum grille.						
			EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	526.76	61.61
			EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	754.89	61.61
			EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	797.14	61.61
23 34 16 00-0286 Heavy Duty/Continuous Operation Exhaust Fans With Lights <small>(23 34 16 00-0268)</small>						
			EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....	283.00	61.61
			EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....	306.93	61.61
23 34 16 00-0289 Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans <small>(23 34 16 00-0268)</small>						
			EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....	293.51	61.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0291 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....	309.35	61.61
23 34 16 00-0292 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	316.99	61.61
23 34 16 00-0293 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0294 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900).....	1,320.84	61.61
23 34 16 00-0295 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050).....	1,320.84	61.61
23 34 16 00-0296 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410).....	1,320.84	61.61
23 34 16 00-0297 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550).....	1,447.35	61.61
23 34 16 00-0298 Room-To-Room Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0299 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512).....	217.79	61.61
23 34 16 00-0300 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511).....	347.14	61.61
23 34 16 00-0301 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510).....	394.27	61.61
23 34 16 00-0302 Through-Wall Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0303 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507).....	369.63	61.61
23 34 16 00-0304 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506).....	434.59	61.61
23 34 16 00-0305 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509).....	324.96	61.61
23 34 16 00-0306 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508).....	427.87	61.61
23 34 16 00-0307 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C).....	732.54	61.61
23 34 16 00-0308 Exhaust Fan Accessories (23 34 16 00-0249)		
23 34 16 00-0309 Exhaust Fan Controls (23 34 16 00-0308)		
23 34 16 00-0310 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57).....	204.70	38.51
23 34 16 00-0311 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	147.24	38.51
23 34 16 00-0312 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61).....	148.61	38.51
23 34 16 00-0313 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0308)		
23 34 16 00-0314 Wall Caps For Exhaust Fans (23 34 16 00-0313)		
23 34 16 00-0315 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613).....	331.07	76.80
23 34 16 00-0316 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....	335.59	76.80
23 34 16 00-0317 Roof Caps For Exhaust Fans (23 34 16 00-0313)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0318 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611).....	284.38	76.80
23 34 16 00-0319 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612).....	401.86	76.80
23 34 16 00-0320 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636).....	194.08	76.80
23 34 16 00-0321 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634).....	229.32	76.80
23 34 16 00-0322 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0249)		
Note: Includes storage and cleaning.		
23 34 16 00-0323 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan.....	106.06	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	688.50	202.22
Note: Three speed motor.		
For 12" Roof Curb, Add	246.99	
For Backdraft Damper, Add	167.92	
For Solid State Speed Control, Add	126.24	
For Damper Motor, Add	292.11	
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	751.59	229.09
Note: Three speed motor.		
For 12" Roof Curb, Add	246.99	
For Backdraft Damper, Add	167.92	
For Solid State Speed Control, Add	126.24	
For Damper Motor, Add	292.11	
23 34 23 00-0005 EA 1/8 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,053.34	267.27
For 12" Roof Curb, Add	253.32	
For Backdraft Damper, Add	180.77	
For Solid State Speed Control, Add	126.24	
For Damper Motor, Add	292.11	
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,089.19	301.21
For 12" Roof Curb, Add	253.32	
For Backdraft Damper, Add	180.77	
For Solid State Speed Control, Add	126.24	
For Damper Motor, Add	292.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster <i>For Solid State Speed Control, Add</i> <i>For Damper Motor, Add</i>	1,388.45 126.24 292.11	332.32
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Solid State Speed Control, Add</i> <i>For Damper Motor, Add</i>	1,575.20 263.88 205.17 191.70 292.11	353.53
23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters <small>(23 34 23 00-0001)</small> Note: Greenheck GB.		
23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	1,602.53 253.32 180.77 292.11	360.02
23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	1,743.76 263.88 205.17 292.11	382.21
23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	2,338.26 263.88 205.17 292.11	456.77
23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	2,976.52 314.56 255.57 292.11	565.66
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	3,911.75 337.79 277.09 292.11	707.07
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	6,246.38 373.69 307.27 292.11	883.84
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	6,297.06 373.69 307.27 292.11	883.84
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	6,843.97 373.69 307.27 292.11	883.84
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,595.83 373.69 307.27 292.11	883.84
23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast <small>(23 34 23 00-0001)</small> Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,870.98	1,087.48
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,442.84	1,413.73
23 34 23 00-0022 Belt Drive Supply Fans <small>(23 34 23 00-0001)</small>		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,539.77	564.66
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,769.65	706.93
23 34 23 00-0025 Fan Thermostat <small>(23 34 23 00-0001)</small>		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat.....	161.71	
23 34 23 00-0027 Power Wall Ventilators <small>(23 34 23)</small>		
23 34 23 00-0028 Centrifugal Sidewall Exhausters <small>(23 34 23 00-0027)</small>		
23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster <small>(23 34 23 00-0028)</small> Note: Greenheck CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	920.89 191.70 228.89 495.32 140.84	227.68
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	1,058.89 191.70 253.29 495.32 167.60	267.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,541.78	301.21
For Solid State Speed Control, Add	191.70	
For Backdraft Damper, Add	286.36	
For Damper Motor, Add	495.32	
For Interior Wall Grill, Add	194.34	
23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)		
Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,652.75	170.27
For Solid State Speed Control, Add	191.70	
For Backdraft Damper, Add	266.23	
For Damper Motor, Add	495.32	
For Interior Wall Grill, Add	295.00	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,805.51	191.75
For Solid State Speed Control, Add	191.70	
For Backdraft Damper, Add	266.23	
For Damper Motor, Add	495.32	
For Interior Wall Grill, Add	295.00	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,441.43	219.37
For Solid State Speed Control, Add	191.70	
For Backdraft Damper, Add	333.21	
For Damper Motor, Add	495.32	
For Interior Wall Grill, Add	342.87	
23 34 33 Air Curtains (23 34)		
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	2,661.36	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,693.43	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,728.16	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	3,302.60	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,771.82	1,244.45
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,972.21	1,244.45
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	4,422.59	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	5,222.80	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	5,324.33	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	5,594.18	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	546.10	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	405.68	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	624.12	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	3,193.05	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	3,234.47	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	3,251.83	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	3,285.23	1,036.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	4,990.16	1,244.45
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	5,195.89	1,244.45
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	5,570.13	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	6,282.17	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	6,356.98	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	6,648.20	1,435.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	311.40	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0024 Service Window Unheated Air Curtains (23 34 33 00-0001)		
Note: Normal window sizes.		
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated.....	2,421.00	817.37
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0026 Heated Air Curtains For Entrances (23 34 33)		
Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater.....	4,288.21	912.84
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater.....	4,616.49	912.84
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater.....	5,144.94	1,095.25
For Door Limit Switch, Combination Roller And Plunger, Add	200.61	
For Flat Side Extension Plates, Add	155.70	
For Clearance Adjustable-Angle Mounting Bracket, Add	311.40	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	373.68	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	394.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,538.87 200.61 155.70 311.40 373.68 394.44	1,095.25
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,858.71 200.61 155.70 311.40 373.68 394.44	1,460.11
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	7,383.96 200.61 155.70 311.40 373.68 394.44	1,460.11
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	8,357.77 200.61 155.70 311.40 373.68 394.44	1,779.00
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	8,997.91 200.61 155.70 311.40 373.68 394.44	1,779.00
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,501.59 200.61 155.70 311.40 373.68 394.44	2,235.06
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	12,093.74 200.61 155.70 311.40 373.68 394.44	2,235.06
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	12,002.74 200.61 155.70 311.40 373.68 394.44	2,554.66
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	13,821.95 200.61 155.70 311.40 373.68 394.44	2,554.66
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	13,712.61 200.61 155.70 311.40 373.68 394.44	2,919.51
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	15,791.70 200.61 155.70 311.40 373.68 394.44	2,919.51

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)

23 35 13 13 Sawdust Collection Systems (23 35 13)

23 35 13 13-0001 Dust Collector System (23 35 13 13)

23 35 13 13-0002 EA 1.5 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	4,995.63	1,227.21
23 35 13 13-0003 EA 2 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	5,631.38	1,457.31
23 35 13 13-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	6,741.91	1,687.41
23 35 13 13-0005 EA 3 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	7,716.11	1,994.20
23 35 13 13-0006 EA 5 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.</i>	15,364.29	2,188.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	18,607.50	2,553.65
23 35 13 13-0008 EA 10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	21,312.06	2,918.47
23 35 13 13-0009 EA 15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	23,988.48	3,356.23
23 35 13 13-0010 EA 20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	26,783.56	3,793.99
23 35 13 13-0011 Vacuum Tubing And Accessories (23 35 13 13)		
23 35 13 13-0012 Galvanized Vacuum Tubing (23 35 13 13-0011)		
23 35 13 13-0013 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.40	2.54
23 35 13 13-0014 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized	12.70	2.69
23 35 13 13-0015 LF 3" Outside Diameter Vacuum Tubing, Galvanized	14.91	2.83
23 35 13 13-0016 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized	19.07	2.97
23 35 13 13-0017 LF 4" Outside Diameter Vacuum Tubing, Galvanized	19.63	3.11
23 35 13 13-0018 LF 5" Outside Diameter Vacuum Tubing, Galvanized	31.69	3.54
23 35 13 13-0019 LF 6" Outside Diameter Vacuum Tubing, Galvanized	35.75	4.10
23 35 13 13-0020 LF 8" Outside Diameter Vacuum Tubing, Galvanized	48.45	5.65
23 35 13 13-0021 LF 10" Outside Diameter Vacuum Tubing, Galvanized	56.97	7.07
23 35 13 13-0022 LF 12" Outside Diameter Vacuum Tubing, Galvanized	137.87	9.33
23 35 13 13-0023 Vacuum Fittings, Galvanized (23 35 13 13-0011)		
23 35 13 13-0024 90 Degree Elbow (23 35 13 13-0023)		
23 35 13 13-0025 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	59.00	16.26
23 35 13 13-0026 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	71.64	17.40
23 35 13 13-0027 EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized	87.88	18.95
23 35 13 13-0028 EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	102.79	20.51
23 35 13 13-0029 EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized	121.50	22.63
23 35 13 13-0030 EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized	194.54	25.17
23 35 13 13-0031 EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized	255.59	28.28
23 35 13 13-0032 EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized	451.99	37.75
23 35 13 13-0033 45 Degree Elbow (23 35 13 13-0023)		
23 35 13 13-0034 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	55.80	16.26
23 35 13 13-0035 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	69.00	17.40
23 35 13 13-0036 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized	79.02	18.95
23 35 13 13-0037 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	92.80	20.51
23 35 13 13-0038 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized	112.26	22.63
23 35 13 13-0039 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized	162.49	25.17
23 35 13 13-0040 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized	208.45	28.28
23 35 13 13-0041 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized	372.80	37.75
23 35 13 13-0042 Wye (23 35 13 13-0023)		
23 35 13 13-0043 EA 2-1/8" Wye, Vacuum Tubing, Galvanized	105.77	26.87
23 35 13 13-0044 EA 2-1/2" Wye, Vacuum Tubing, Galvanized	125.26	28.98
23 35 13 13-0045 EA 3" Wye, Vacuum Tubing, Galvanized	150.71	31.11
23 35 13 13-0046 EA 3-1/2" Wye, Vacuum Tubing, Galvanized	181.07	34.65
23 35 13 13-0047 EA 4" Wye, Vacuum Tubing, Galvanized	237.02	37.47
23 35 13 13-0048 EA 5" Wye, Vacuum Tubing, Galvanized	388.91	41.72
23 35 13 13-0049 EA 6" Wye, Vacuum Tubing, Galvanized	510.87	47.37
23 35 13 13-0050 EA 8" Wye, Vacuum Tubing, Galvanized	987.14	51.61
23 35 13 13-0051 EA 10" Wye, Vacuum Tubing, Galvanized	1,359.20	56.56
23 35 13 13-0052 EA 12" Wye, Vacuum Tubing, Galvanized	1,712.94	63.35
23 35 13 13-0053 Reducer (23 35 13 13-0023)		
23 35 13 13-0054 EA 3" Reducer, Vacuum Tubing, Galvanized	62.04	18.95
23 35 13 13-0055 EA 4" Reducer, Vacuum Tubing, Galvanized	68.75	20.51
23 35 13 13-0056 EA 5" Reducer, Vacuum Tubing, Galvanized	85.08	22.63
23 35 13 13-0057 EA 6" Reducer, Vacuum Tubing, Galvanized	92.18	25.17
23 35 13 13-0058 EA 8" Reducer, Vacuum Tubing, Galvanized	107.24	28.28
23 35 13 13-0059 Flexible Hose (23 35 13 13-0011)		
23 35 13 13-0060 LF 2" Flexible Hose	13.79	2.54
23 35 13 13-0061 LF 3" Flexible Hose	16.42	2.83
23 35 13 13-0062 LF 4" Flexible Hose	17.84	3.11
23 35 13 13-0063 Air Gate Valve, Galvanized (23 35 13 13-0011)		
23 35 13 13-0064 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	380.53	37.75
23 35 13 13-0065 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	399.04	40.30
23 35 13 13-0066 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized	457.12	43.42
23 35 13 13-0067 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	518.65	46.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0068 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized	583.50	49.21
23 35 13 13-0069 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized	687.91	56.14
23 35 13 13-0070 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized	791.14	62.93
23 35 16 Engine Exhaust Systems (23 35)		
23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)		
23 35 16 16-0001 Tailpipe Exhaust Equipment (23 35 16 16)		
23 35 16 16-0002 Overhead Tailpipe Exhaust System (23 35 16 16-0001)		
23 35 16 16-0003 Overhead Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004 Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0005 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,833.99	301.21
23 35 16 16-0006 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,519.86	615.15
23 35 16 16-0007 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,256.24	745.25
23 35 16 16-0008 Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,399.86	615.15
23 35 16 16-0010 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,714.79	745.25
23 35 16 16-0011 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,732.86	1,179.40
23 35 16 16-0012 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	7,039.95	1,521.62
23 35 16 16-0013 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	8,863.51	1,812.94
23 35 16 16-0014 Spiral Exhaust Duct Accessories (23 35 16 16-0002)		
23 35 16 16-0015 Flex Hose x Length (23 35 16 16-0014) Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016 EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	204.75	74.95
23 35 16 16-0017 EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	179.23	74.95
23 35 16 16-0018 EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	315.48	118.79
23 35 16 16-0019 EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	272.84	118.79
23 35 16 16-0020 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	455.83	188.08
23 35 16 16-0021 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	440.56	188.08
23 35 16 16-0022 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	700.85	298.39
23 35 16 16-0023 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	668.75	298.39
23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0014)		
23 35 16 16-0025 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	225.10	74.95
23 35 16 16-0026 EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	330.34	118.79
23 35 16 16-0027 EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	195.70	74.95
23 35 16 16-0028 EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	286.73	118.79
23 35 16 16-0029 EA 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,581.26	100.97
23 35 16 16-0030 EA 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,420.26	185.25
23 35 16 16-0031 EA 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,558.46	185.25
23 35 16 16-0032 LF 8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	76.31	14.42
23 35 16 16-0033 LF 10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	84.80	14.42
23 35 16 16-0034 Flexible Hose (23 35 16 16-0014)		
23 35 16 16-0035 LF 3" Stainless Steel Flexible Tubing	41.58	3.54
23 35 16 16-0036 LF 4" Stainless Steel Flexible Tubing	52.71	3.96
23 35 16 16-0037 LF 5" Stainless Steel Flexible Tubing	62.46	4.10
23 35 16 16-0038 LF 6" Stainless Steel Flexible Tubing	73.54	4.38
23 35 16 16-0039 LF 3" Galvanized Flexible Tubing	25.34	3.54
23 35 16 16-0040 LF 4" Galvanized Flexible Tubing	29.68	3.96
23 35 16 16-0041 LF 5" Galvanized Flexible Tubing	33.94	4.10
23 35 16 16-0042 LF 6" Galvanized Flexible Tubing	37.80	4.38
23 35 16 16-0043 Accessories (23 35 16 16-0002)		
23 35 16 16-0044 EA 3" Tail Pipe Adapter	63.39	10.61
23 35 16 16-0045 EA 4" Tail Pipe Adapter	65.08	10.61
23 35 16 16-0046 EA 5" Tail Pipe Adapter	69.60	12.02
23 35 16 16-0047 EA 3" Bullnose (Guide).....	35.70	7.07
23 35 16 16-0048 EA 4" Bullnose (Guide).....	38.06	7.77
23 35 16 16-0049 EA 5" Bullnose (Guide).....	40.69	8.49
23 35 16 16-0050 EA Flex-Hose Winch And Associated Hardware	273.88	80.19
23 35 16 16-0051 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.14	
23 35 16 16-0052 Automatic Exhaust Extraction System (23 35 16 16-0001) Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		
23 35 16 16-0053 EA Magnatrack System For One Vehicle (30" To 40" Track)	40,344.75	
23 35 16 16-0054 EA Magnatrack System For Two Vehicles (2 Each 30" Tracks).....	58,275.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0055 EA Magnatrack System For Tandem Vehicles (2 Each 30" Tracks).....	58,275.75	
23 35 16 16-0056 EA Magnarail System For One Vehicle (33" Rail).....	47,816.00	
23 35 16 16-0057 EA Magnarail System For Two Vehicles in Tandem (66" Rail).....	71,724.00	
23 35 16 16-0058 EA Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack).....	37,356.25	
23 35 19 Fume Exhaust Systems (23 35)		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	2,815.64	565.24
23 35 19 00-0002 EA Hose Extension Kit 5'.....	491.98	125.57
23 36 Air Terminal Units (23 30)		
23 36 13 Constant-Air-Volume Units (23 36)		
23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,776.43	199.13
23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,125.17	214.45
23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,264.12	222.11
23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,418.37	237.42
23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,717.28	245.08
23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,522.07	199.13
23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,807.07	214.45
23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	2,142.06	225.94
23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)		
23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	1,427.31	58.30
<i>For Boxes With Motor, Add</i>	239.44	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control.....	1,579.08	62.89
<i>For Boxes With Motor, Add</i>	265.61	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control.....	1,643.43	69.03
<i>For Boxes With Motor, Add</i>	273.46	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control.....	1,674.57	72.10
<i>For Boxes With Motor, Add</i>	277.39	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	1,704.32	79.77
<i>For Boxes With Motor, Add</i>	277.39	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	1,948.34	88.97
<i>For Boxes With Motor, Add</i>	317.95	
23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control.....	2,048.79	99.71
<i>For Boxes With Motor, Add</i>	329.72	
23 36 13 00-0020 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	2,184.15	119.66
<i>For Boxes With Motor, Add</i>	341.62	
23 36 13 00-0021 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control.....	2,318.63	138.06
<i>For Boxes With Motor, Add</i>	353.28	
23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0023 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	1,990.53	58.30
<i>For Boxes With Motor, Add</i>	352.09	
23 36 13 00-0024 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	2,130.29	62.89
<i>For Boxes With Motor, Add</i>	375.85	
23 36 13 00-0025 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	2,225.96	69.03
<i>For Boxes With Motor, Add</i>	389.97	
23 36 13 00-0026 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	2,319.18	72.10
<i>For Boxes With Motor, Add</i>	406.31	
23 36 13 00-0027 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control.....	2,348.93	79.77
<i>For Boxes With Motor, Add</i>	406.31	
23 36 13 00-0028 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control.....	2,698.41	90.51
<i>For Boxes With Motor, Add</i>	467.96	
23 36 13 00-0029 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control.....	2,951.44	99.71
<i>For Boxes With Motor, Add</i>	510.30	
23 36 13 00-0030 EA 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	3,187.27	119.66
<i>For Boxes With Motor, Add</i>	542.24	
23 36 13 00-0031 EA 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	3,337.73	138.06
<i>For Boxes With Motor, Add</i>	557.10	
23 36 16 Variable-Air-Volume Units (23 36)		
23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)		
Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003 EA 6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only.....	654.13	70.56
Note: For mounting DDC controls		
<i>For Filters And Frames, Add</i>	6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0004 EA 8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	732.95 6.30	79.77
23 36 16 00-0005 EA 10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	816.88 6.30	88.97
23 36 16 00-0006 EA 12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	875.04 6.30	99.71
23 36 16 00-0007 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	1,203.26 6.30	214.61
23 36 16 00-0008 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	1,474.91 6.30	254.65
23 36 16 00-0009 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With pneumatic controls.		
23 36 16 00-0010 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,312.14 1,340.88 419.02 67.57 6.30	70.56
23 36 16 00-0011 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,421.84 1,436.74 447.92 67.57 6.30	79.77
23 36 16 00-0012 EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,493.90 1,482.62 460.44 67.57 6.30	88.97
23 36 16 00-0013 EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,563.93 1,525.58 472.00 67.57 6.30	99.71
23 36 16 00-0014 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,828.02 1,715.00 525.94 67.57 6.30	214.61
23 36 16 00-0015 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	2,151.92 1,866.51 561.58 67.57 6.30	254.65
23 36 16 00-0016 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With analog electronic controls.		
23 36 16 00-0017 EA 6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,131.68 751.34 6.30	70.56
23 36 16 00-0018 EA 8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,222.38 772.53 6.30	79.77
23 36 16 00-0019 EA 10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,306.31 789.87 6.30	88.97
23 36 16 00-0020 EA 12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,421.48 819.73 6.30	99.71
23 36 16 00-0021 EA 14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,687.95 874.64 6.30	214.61
23 36 16 00-0022 EA 16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,735.46 893.91 6.30	214.61
23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024 EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,478.53 6.30	139.44
23 36 16 00-0025 EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,619.22 6.30	158.77
23 36 16 00-0026 EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,737.02 6.30	179.33
23 36 16 00-0027 EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,906.22 6.30	200.03
23 36 16 00-0028 EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	2,144.93 6.30	230.10

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 36 Air Terminal Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0029 EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	2,364.61 6.30	276.12
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031 EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A) <i>For Filters And Frames, Add</i>	687.46 6.30	95.88
23 36 16 00-0032 EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B) <i>For Filters And Frames, Add</i>	747.09 6.30	105.46
23 36 16 00-0033 EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C) <i>For Filters And Frames, Add</i>	808.21 6.30	115.05
23 36 16 00-0034 EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D) <i>For Filters And Frames, Add</i>	870.93 6.30	124.63
23 36 16 00-0035 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E) <i>For Filters And Frames, Add</i>	935.34 6.30	134.23
23 36 16 00-0036 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F) <i>For Filters And Frames, Add</i>	1,001.57 6.30	143.82
23 36 16 00-0037 EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G) <i>For Filters And Frames, Add</i>	1,074.79 6.30	153.40
23 36 16 00-0038 EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H) <i>For Filters And Frames, Add</i>	1,145.43 6.30	162.99
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J) <i>For Filters And Frames, Add</i>	1,218.32 6.30	172.57
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K) <i>For Filters And Frames, Add</i>	1,293.62 6.30	182.17
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L) <i>For Filters And Frames, Add</i>	1,371.54 6.30	191.75
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <i>For Filters And Frames, Add</i>	1,452.19 6.30	201.34
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N) <i>For Filters And Frames, Add</i>	1,535.81 6.30	210.93
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P) <i>For Filters And Frames, Add</i>	1,615.75 6.30	220.51
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R) <i>For Filters And Frames, Add</i>	1,705.47 6.30	230.10

23 37 Air Outlets and Inlets
(23 30)

23 37 13 Diffusers, Registers, and Grilles
(23 37)

23 37 13 13 Diffusers, Registers, and Grilles
(23 37 13)

23 37 13 13-0001 Ceiling Diffusers
(23 37 13 13)

23 37 13 13-0002 Ceiling Diffusers With Perforated Face
(23 37 13 13-0001)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	136.77 -8.68 -6.94 -11.57 144.68	19.94
23 37 13 13-0004 EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	149.63 -10.61 -8.49 -14.15 176.83	19.94
23 37 13 13-0005 EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	149.63 -10.61 -8.49 -14.15 176.83	19.94
23 37 13 13-0006 EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	179.87 -12.70 -10.16 -16.93 211.65	24.54
23 37 13 13-0007 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	179.87 -12.70 -10.16 -16.93 211.65	23.01
23 37 13 13-0008 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	203.45 -16.24 -12.99 -21.65 270.60	23.01
23 37 13 13-0009 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	235.92 -17.46 -13.97 -23.28 290.95	30.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0010 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	270.83	32.21
<i>For Steel Construction, Deduct</i>	-21.80	
<i>For Surface Mount, Deduct</i>	-17.44	
<i>For Diffuser Without Damper, Deduct</i>	-29.06	
<i>For Stainless Steel, Add</i>	363.30	
23 37 13 13-0011 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	307.71	36.82
<i>For Steel Construction, Deduct</i>	-24.24	
<i>For Surface Mount, Deduct</i>	-19.39	
<i>For Lay-In Mount, Deduct</i>	-19.39	
<i>For Diffuser Without Damper, Deduct</i>	-32.32	
<i>For Stainless Steel, Add</i>	404.03	
23 37 13 13-0012 Ceiling Diffusers With Louver Face <small>(23 37 13 13-0001)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	141.06	19.94
<i>For Steel Construction, Deduct</i>	-9.32	
<i>For Flush Mount, Add</i>	9.32	
<i>For Stainless Steel, Add</i>	155.40	
23 37 13 13-0014 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	157.78	19.94
<i>For Steel Construction, Deduct</i>	-11.83	
<i>For Flush Mount, Add</i>	11.83	
<i>For Stainless Steel, Add</i>	197.20	
23 37 13 13-0015 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	157.78	19.94
<i>For Steel Construction, Deduct</i>	-11.83	
<i>For Flush Mount, Add</i>	11.83	
<i>For Stainless Steel, Add</i>	197.20	
23 37 13 13-0016 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	189.52	23.01
<i>For Steel Construction, Deduct</i>	-14.15	
<i>For Flush Mount, Add</i>	14.15	
<i>For Stainless Steel, Add</i>	235.78	
23 37 13 13-0017 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	189.52	24.54
<i>For Steel Construction, Deduct</i>	-14.15	
<i>For Flush Mount, Add</i>	14.15	
<i>For Stainless Steel, Add</i>	235.78	
23 37 13 13-0018 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	243.51	30.68
<i>For Steel Construction, Deduct</i>	-18.52	
<i>For Flush Mount, Add</i>	18.52	
<i>For Stainless Steel, Add</i>	308.65	
23 37 13 13-0019 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	220.79	30.68
<i>For Steel Construction, Deduct</i>	-15.11	
<i>For Flush Mount, Add</i>	15.11	
<i>For Stainless Steel, Add</i>	251.85	
23 37 13 13-0020 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	274.57	36.82
<i>For Steel Construction, Deduct</i>	-19.39	
<i>For Flush Mount, Add</i>	19.39	
<i>For Stainless Steel, Add</i>	323.10	
23 37 13 13-0021 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	313.98	41.41
<i>For Steel Construction, Deduct</i>	-24.11	
<i>For Flush Mount, Add</i>	24.11	
<i>For Stainless Steel, Add</i>	401.88	
23 37 13 13-0022 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	341.83	81.15
<i>For Steel Construction, Deduct</i>	-26.91	
<i>For Flush Mount, Add</i>	26.91	
<i>For Lay-In Mount, Add</i>	35.88	
<i>For Stainless Steel, Add</i>	448.50	
23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 13-0001)</small>		
Note: Aluminum construction.		
23 37 13 13-0024 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	218.03	19.94
<i>For Steel Construction, Deduct</i>	-41.74	
<i>For Stainless Steel, Add</i>	347.83	
23 37 13 13-0025 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	225.16	19.94
<i>For Steel Construction, Deduct</i>	-43.88	
<i>For Stainless Steel, Add</i>	365.65	
23 37 13 13-0026 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	255.74	24.54
<i>For Steel Construction, Deduct</i>	-48.16	
<i>For Stainless Steel, Add</i>	401.33	
23 37 13 13-0027 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	273.58	23.01
<i>For Steel Construction, Deduct</i>	-53.51	
<i>For Stainless Steel, Add</i>	445.93	
23 37 13 13-0028 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	385.14	27.61
<i>For Steel Construction, Deduct</i>	-82.41	
<i>For Stainless Steel, Add</i>	686.73	
23 37 13 13-0029 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	405.79	29.15
<i>For Steel Construction, Deduct</i>	-87.22	
<i>For Stainless Steel, Add</i>	726.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0030 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	426.84	30.68
For Steel Construction, Deduct	-92.04	
For Stainless Steel, Add	766.98	
23 37 13 13-0031 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	490.17	30.68
For Steel Construction, Deduct	-109.40	
For Stainless Steel, Add	911.65	
23 37 13 13-0032 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	582.00	35.28
For Steel Construction, Deduct	-133.18	
For Stainless Steel, Add	1,109.85	
23 37 13 13-0033 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	652.69	36.82
For Steel Construction, Deduct	-152.21	
For Stainless Steel, Add	1,268.40	
23 37 13 13-0034 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	776.81	41.41
For Steel Construction, Deduct	-184.31	
For Stainless Steel, Add	1,535.95	
23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)		
Note: Aluminum construction.		
23 37 13 13-0036 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	228.73	19.94
For Steel Construction, Deduct	-14.98	
For Flush Mount, Deduct	-7.49	
For Stainless Steel, Add	374.58	
23 37 13 13-0037 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	247.16	19.94
For Steel Construction, Deduct	-16.83	
For Flush Mount, Deduct	-8.41	
For Stainless Steel, Add	420.65	
23 37 13 13-0038 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	281.51	24.54
For Steel Construction, Deduct	-18.63	
For Flush Mount, Deduct	-9.32	
For Stainless Steel, Add	465.75	
23 37 13 13-0039 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	302.12	24.54
For Steel Construction, Deduct	-20.69	
For Flush Mount, Deduct	-10.35	
For Stainless Steel, Add	517.28	
23 37 13 13-0040 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	431.51	27.61
For Steel Construction, Deduct	-32.11	
For Flush Mount, Deduct	-16.05	
For Stainless Steel, Add	802.65	
23 37 13 13-0041 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	354.56	29.15
For Steel Construction, Deduct	-34.31	
For Flush Mount, Deduct	-17.15	
For Stainless Steel, Add	857.65	
23 37 13 13-0042 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	485.11	30.68
For Steel Construction, Deduct	-36.51	
For Flush Mount, Deduct	-18.25	
For Stainless Steel, Add	912.65	
23 37 13 13-0043 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	559.54	32.21
For Steel Construction, Deduct	-43.40	
For Flush Mount, Deduct	-21.70	
For Stainless Steel, Add	1,085.08	
23 37 13 13-0044 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	631.15	35.28
For Steel Construction, Deduct	-49.31	
For Flush Mount, Deduct	-24.65	
For Stainless Steel, Add	1,232.73	
23 37 13 13-0045 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	759.71	36.82
For Steel Construction, Deduct	-61.44	
For Flush Mount, Deduct	-30.72	
For Stainless Steel, Add	1,535.95	
23 37 13 13-0046 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	911.97	41.41
For Steel Construction, Deduct	-74.95	
For Flush Mount, Deduct	-37.48	
For Stainless Steel, Add	1,873.85	
23 37 13 13-0047 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,008.53	86.37
For Steel Construction, Deduct		
For Stainless Steel, Add	2,089.90	
23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)		
23 37 13 13-0049 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	182.07	23.01
For Stainless Steel, Add	225.08	
23 37 13 13-0050 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	194.30	23.01
For Stainless Steel, Add	255.65	
23 37 13 13-0051 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	209.37	23.01
For Stainless Steel, Add	293.33	
23 37 13 13-0052 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	224.03	23.01
For Stainless Steel, Add	329.98	
23 37 13 13-0053 Wall And Floor Diffusers (23 37 13 13)		
23 37 13 13-0054 Slot Type Linear Diffusers (23 37 13 13-0053)		
Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0055 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	61.95	7.67
<i>For 3/4" Border, Add</i>	7.43	
<i>For Floor Mounted Diffusers, Add</i>	8.92	
<i>For Stainless Steel, Add</i>	38.65	
23 37 13 13-0056 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	74.90	9.20
<i>For 3/4" Border, Add</i>	9.91	
<i>For Floor Mounted Diffusers, Add</i>	11.89	
<i>For Stainless Steel, Add</i>	51.53	
23 37 13 13-0057 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	102.34	10.74
<i>For 3/4" Border, Add</i>	15.61	
<i>For Floor Mounted Diffusers, Add</i>	18.73	
<i>For Stainless Steel, Add</i>	81.16	
23 37 13 13-0058 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	133.64	10.74
<i>For 3/4" Border, Add</i>	22.30	
<i>For Floor Mounted Diffusers, Add</i>	26.75	
<i>For Stainless Steel, Add</i>	115.93	
23 37 13 13-0059 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	166.60	12.28
<i>For 3/4" Border, Add</i>	28.99	
<i>For Floor Mounted Diffusers, Add</i>	34.78	
<i>For Stainless Steel, Add</i>	150.72	
23 37 13 13-0060 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	195.01	15.34
<i>For 3/4" Border, Add</i>	34.19	
<i>For Floor Mounted Diffusers, Add</i>	41.03	
<i>For Stainless Steel, Add</i>	177.78	
23 37 13 13-0061 Linear Bar Grilles And Registers <small>(23 37 13 13-0053)</small>		
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0062 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	178.95	9.20
<i>For Floor Mount, Add</i>	14.37	
<i>For Opposed Blade Damper, Add</i>	28.74	
<i>For Stainless Steel, Add</i>	186.80	
23 37 13 13-0063 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	213.32	10.74
<i>For Floor Mount, Add</i>	17.34	
<i>For Opposed Blade Damper, Add</i>	34.68	
<i>For Stainless Steel, Add</i>	225.43	
23 37 13 13-0064 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	232.74	10.74
<i>For Floor Mount, Add</i>	18.83	
<i>For Opposed Blade Damper, Add</i>	37.66	
<i>For Stainless Steel, Add</i>	244.76	
23 37 13 13-0065 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	286.17	15.34
<i>For Floor Mount, Add</i>	22.79	
<i>For Opposed Blade Damper, Add</i>	45.58	
<i>For Stainless Steel, Add</i>	296.28	
23 37 13 13-0066 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	395.32	19.94
<i>For Floor Mount, Add</i>	31.71	
<i>For Opposed Blade Damper, Add</i>	63.42	
<i>For Stainless Steel, Add</i>	412.23	
23 37 13 13-0067 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	456.90	23.01
<i>For Floor Mount, Add</i>	36.17	
<i>For Opposed Blade Damper, Add</i>	72.34	
<i>For Stainless Steel, Add</i>	470.20	
23 37 13 13-0068 Return/Exhaust Registers And Grilles <small>(23 37 13 13)</small>		
23 37 13 13-0069 Return/Exhaust Registers With Frame <small>(23 37 13 13-0068)</small>		
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	127.38	12.28
<i>For Steel Construction, Deduct</i>	-15.95	
<i>For Grilles (No Damper), Deduct</i>	-31.91	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	7.98	
<i>For Cube Core Lay In, Add</i>	15.95	
<i>For Stainless Steel, Add</i>	199.43	
23 37 13 13-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	144.72	12.28
<i>For Steel Construction, Deduct</i>	-19.42	
<i>For Grilles (No Damper), Deduct</i>	-38.84	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	9.71	
<i>For Cube Core Lay In, Add</i>	19.42	
<i>For Stainless Steel, Add</i>	242.78	
23 37 13 13-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	162.75	13.80
<i>For Steel Construction, Deduct</i>	-21.50	
<i>For Grilles (No Damper), Deduct</i>	-43.01	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	10.75	
<i>For Cube Core Lay In, Add</i>	21.50	
<i>For Stainless Steel, Add</i>	268.80	
23 37 13 13-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	171.74	15.34
<i>For Steel Construction, Deduct</i>	-21.50	
<i>For Grilles (No Damper), Deduct</i>	-43.01	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	10.75	
<i>For Cube Core Lay In, Add</i>	21.50	
<i>For Stainless Steel, Add</i>	268.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	164.80	15.34
For Steel Construction, Deduct	-20.12	
For Grilles (No Damper), Deduct	-40.23	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	10.06	
For Cube Core Lay In, Add	20.12	
For Stainless Steel, Add	251.45	
23 37 13 13-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	210.69	19.94
For Steel Construction, Deduct	-26.36	
For Grilles (No Damper), Deduct	-52.72	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	13.18	
For Cube Core Lay In, Add	26.36	
For Stainless Steel, Add	329.48	
23 37 13 13-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	252.57	23.01
For Steel Construction, Deduct	-31.47	
For Grilles (No Damper), Deduct	-62.94	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.74	
For Cube Core Lay In, Add	31.47	
For Stainless Steel, Add	393.40	
23 37 13 13-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	308.13	27.61
For Steel Construction, Deduct	-39.54	
For Grilles (No Damper), Deduct	-79.07	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	19.77	
For Cube Core Lay In, Add	39.54	
For Stainless Steel, Add	494.20	
23 37 13 13-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	359.45	30.68
For Steel Construction, Deduct	-47.88	
For Grilles (No Damper), Deduct	-95.76	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.94	
For Cube Core Lay In, Add	47.88	
For Stainless Steel, Add	598.50	
23 37 13 13-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	325.74	30.68
For Steel Construction, Deduct	-40.05	
For Grilles (No Damper), Deduct	-80.09	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	20.02	
For Cube Core Lay In, Add	40.05	
For Stainless Steel, Add	500.58	
23 37 13 13-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	368.28	30.68
For Steel Construction, Deduct	-48.55	
For Grilles (No Damper), Deduct	-97.11	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	24.28	
For Cube Core Lay In, Add	48.55	
For Stainless Steel, Add	606.93	
23 37 13 13-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	389.68	35.28
For Steel Construction, Deduct	-50.32	
For Grilles (No Damper), Deduct	-100.65	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	25.16	
For Cube Core Lay In, Add	50.32	
For Stainless Steel, Add	629.05	
23 37 13 13-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	412.75	36.82
For Steel Construction, Deduct	-53.48	
For Grilles (No Damper), Deduct	-106.97	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	26.74	
For Cube Core Lay In, Add	53.48	
For Stainless Steel, Add	668.55	
23 37 13 13-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	474.56	41.41
For Steel Construction, Deduct	-62.43	
For Grilles (No Damper), Deduct	-124.85	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	31.21	
For Cube Core Lay In, Add	62.43	
For Stainless Steel, Add	780.33	
23 37 13 13-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	535.02	49.09
For Steel Construction, Deduct	-67.56	
For Grilles (No Damper), Deduct	-135.12	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	33.78	
For Cube Core Lay In, Add	67.56	
For Stainless Steel, Add	844.48	
23 37 13 13-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	681.87	49.09
For Steel Construction, Deduct	-96.93	
For Grilles (No Damper), Deduct	-193.86	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	48.46	
For Cube Core Lay In, Add	96.93	
For Stainless Steel, Add	1,211.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	577.31	53.69
For Steel Construction, Deduct	-72.98	
For Grilles (No Damper), Deduct	-145.96	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	36.49	
For Cube Core Lay In, Add	72.98	
For Stainless Steel, Add	912.28	
23 37 13 13-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	563.35	52.15
For Steel Construction, Deduct	-70.19	
For Grilles (No Damper), Deduct	-140.38	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	35.10	
For Cube Core Lay In, Add	70.19	
For Stainless Steel, Add	877.38	
23 37 13 13-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	638.82	58.30
For Steel Construction, Deduct	-81.74	
For Grilles (No Damper), Deduct	-163.49	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	40.87	
For Cube Core Lay In, Add	81.74	
For Stainless Steel, Add	1,021.80	
23 37 13 13-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	852.55	62.89
For Steel Construction, Deduct	-120.31	
For Grilles (No Damper), Deduct	-240.61	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	60.15	
For Cube Core Lay In, Add	120.31	
For Stainless Steel, Add	1,503.83	
23 37 13 13-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	384.96	35.43
For Steel Construction, Deduct	-48.68	
For Grilles (No Damper), Deduct	-97.35	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	24.34	
For Cube Core Lay In, Add	48.68	
For Stainless Steel, Add	608.45	
23 37 13 13-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	656.98	53.10
For Steel Construction, Deduct	-88.92	
For Grilles (No Damper), Deduct	-177.83	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	44.46	
For Cube Core Lay In, Add	88.92	
For Stainless Steel, Add	1,111.45	
23 37 13 13-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	762.08	62.89
For Steel Construction, Deduct	-102.03	
For Grilles (No Damper), Deduct	-204.06	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	51.02	
For Cube Core Lay In, Add	102.03	
For Stainless Steel, Add	1,275.38	
23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible <small>(23 37 13 13-0068)</small>		
<small>Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.</small>		
23 37 13 13-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	118.36	12.28
For Steel Construction, Deduct	-7.08	
For Flat Frame, Deduct	-0.71	
For Grilles (No Damper), Deduct	-14.15	
For Stainless Steel, Add	176.88	
23 37 13 13-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	118.36	12.28
For Steel Construction, Deduct	-7.08	
For Flat Frame, Deduct	-0.71	
For Grilles (No Damper), Deduct	-14.15	
For Stainless Steel, Add	176.88	
23 37 13 13-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	144.71	13.80
For Steel Construction, Deduct	-8.95	
For Flat Frame, Deduct	-0.89	
For Grilles (No Damper), Deduct	-17.90	
For Stainless Steel, Add	223.70	
23 37 13 13-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	166.19	16.87
For Steel Construction, Deduct	-10.20	
For Flat Frame, Deduct	-1.02	
For Grilles (No Damper), Deduct	-20.39	
For Stainless Steel, Add	254.93	
23 37 13 13-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	164.11	15.34
For Steel Construction, Deduct	-9.99	
For Flat Frame, Deduct	-1.00	
For Grilles (No Damper), Deduct	-19.98	
For Stainless Steel, Add	249.73	
23 37 13 13-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	212.08	19.94
For Steel Construction, Deduct	-13.32	
For Flat Frame, Deduct	-1.33	
For Grilles (No Damper), Deduct	-26.64	
For Stainless Steel, Add	332.95	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	335.91	24.54
		<i>For Steel Construction, Deduct</i>	-24.07	
		<i>For Flat Frame, Deduct</i>	-2.41	
		<i>For Grilles (No Damper), Deduct</i>	-48.14	
		<i>For Stainless Steel, Add</i>	601.75	
23 37 13 13-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	403.87	27.61
		<i>For Steel Construction, Deduct</i>	-29.34	
		<i>For Flat Frame, Deduct</i>	-2.93	
		<i>For Grilles (No Damper), Deduct</i>	-58.68	
		<i>For Stainless Steel, Add</i>	733.55	
23 37 13 13-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	455.08	30.68
		<i>For Steel Construction, Deduct</i>	-33.50	
		<i>For Flat Frame, Deduct</i>	-3.35	
		<i>For Grilles (No Damper), Deduct</i>	-67.01	
		<i>For Stainless Steel, Add</i>	837.58	
23 37 13 13-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	383.55	30.68
		<i>For Steel Construction, Deduct</i>	-25.80	
		<i>For Flat Frame, Deduct</i>	-2.58	
		<i>For Grilles (No Damper), Deduct</i>	-51.61	
		<i>For Stainless Steel, Add</i>	645.10	
23 37 13 13-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	508.41	32.21
		<i>For Steel Construction, Deduct</i>	-38.29	
		<i>For Flat Frame, Deduct</i>	-3.83	
		<i>For Grilles (No Damper), Deduct</i>	-76.58	
		<i>For Stainless Steel, Add</i>	957.25	
23 37 13 13-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	591.71	35.28
		<i>For Steel Construction, Deduct</i>	-45.37	
		<i>For Flat Frame, Deduct</i>	-4.54	
		<i>For Grilles (No Damper), Deduct</i>	-90.73	
		<i>For Stainless Steel, Add</i>	1,134.13	
23 37 13 13-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	461.64	36.82
		<i>For Steel Construction, Deduct</i>	-31.63	
		<i>For Flat Frame, Deduct</i>	-3.16	
		<i>For Grilles (No Damper), Deduct</i>	-63.26	
		<i>For Stainless Steel, Add</i>	790.78	
23 37 13 13-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	628.56	41.41
		<i>For Steel Construction, Deduct</i>	-46.61	
		<i>For Flat Frame, Deduct</i>	-4.66	
		<i>For Grilles (No Damper), Deduct</i>	-93.23	
		<i>For Stainless Steel, Add</i>	1,165.33	
23 37 13 13-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	757.01	49.09
		<i>For Steel Construction, Deduct</i>	-55.98	
		<i>For Flat Frame, Deduct</i>	-5.60	
		<i>For Grilles (No Damper), Deduct</i>	-111.96	
		<i>For Stainless Steel, Add</i>	1,399.45	
23 37 13 13-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	862.10	49.09
		<i>For Steel Construction, Deduct</i>	-66.49	
		<i>For Flat Frame, Deduct</i>	-6.65	
		<i>For Grilles (No Damper), Deduct</i>	-132.97	
		<i>For Stainless Steel, Add</i>	1,662.18	
23 37 13 13-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	601.54	52.15
		<i>For Steel Construction, Deduct</i>	-38.91	
		<i>For Flat Frame, Deduct</i>	-3.89	
		<i>For Grilles (No Damper), Deduct</i>	-77.83	
		<i>For Stainless Steel, Add</i>	972.85	
23 37 13 13-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	801.31	52.15
		<i>For Steel Construction, Deduct</i>	-58.89	
		<i>For Flat Frame, Deduct</i>	-5.89	
		<i>For Grilles (No Damper), Deduct</i>	-117.78	
		<i>For Stainless Steel, Add</i>	1,472.28	
23 37 13 13-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	925.14	58.30
		<i>For Steel Construction, Deduct</i>	-69.50	
		<i>For Flat Frame, Deduct</i>	-6.95	
		<i>For Grilles (No Damper), Deduct</i>	-139.01	
		<i>For Stainless Steel, Add</i>	1,737.60	
23 37 13 13-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,078.20	62.89
		<i>For Steel Construction, Deduct</i>	-82.72	
		<i>For Flat Frame, Deduct</i>	-8.27	
		<i>For Grilles (No Damper), Deduct</i>	-165.44	
		<i>For Stainless Steel, Add</i>	2,067.95	
23 37 13 13-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,136.47	62.89
		<i>For Steel Construction, Deduct</i>	-88.55	
		<i>For Flat Frame, Deduct</i>	-8.85	
		<i>For Grilles (No Damper), Deduct</i>	-177.09	
		<i>For Stainless Steel, Add</i>	2,213.63	
23 37 13 13-0115		Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0068)		
23 37 13 13-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.32	14.99
23 37 13 13-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.32	14.99
23 37 13 13-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.56	14.99
23 37 13 13-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	75.66	14.99
23 37 13 13-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.56	14.99
23 37 13 13-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	75.66	14.99
23 37 13 13-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.89	19.65
23 37 13 13-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.99	19.65



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0124	EA			12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.80	19.65
23 37 13 13-0125	EA			12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.99	19.65
23 37 13 13-0126	EA			12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	96.09	19.65
23 37 13 13-0127	EA			12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	98.18	19.65
23 37 13 13-0128	EA			14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.04	19.65
23 37 13 13-0129	EA			14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	99.23	19.65
23 37 13 13-0130	EA			14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	101.33	19.65
23 37 13 13-0131	EA			14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	110.76	19.65
23 37 13 13-0132	EA			16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	99.23	19.65
23 37 13 13-0133	EA			16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	106.57	19.65
23 37 13 13-0134	EA			16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	110.76	19.65
23 37 13 13-0135	EA			16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	144.28	28.98
23 37 13 13-0136	EA			16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	146.38	28.98
23 37 13 13-0137	EA			18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	142.18	28.98
23 37 13 13-0138	EA			18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	173.09	33.66
23 37 13 13-0139	EA			20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	140.09	28.98
23 37 13 13-0140	EA			20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	183.58	33.66
23 37 13 13-0141	EA			22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	97.13	19.65
23 37 13 13-0142	EA			22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	142.18	28.98
23 37 13 13-0143	EA			22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	206.10	38.33
23 37 13 13-0144	EA			24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	140.09	28.98
23 37 13 13-0145	EA			24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	144.28	28.98
23 37 13 13-0146	EA			24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	166.81	33.66
				<i>For Lay-In Installation, Deduct</i>	-71.10	
23 37 13 13-0147	EA			24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	173.09	33.66
23 37 13 13-0148	EA			24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	193.52	38.33
23 37 13 13-0149	EA			24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	199.81	38.33
23 37 13 13-0150	EA			24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	207.15	38.33
23 37 13 13-0151	EA			24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	220.78	38.33
				<i>For Lay-In Installation, Deduct</i>	-81.40	
23 37 13 13-0152	EA			30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	169.95	33.66
23 37 13 13-0153	EA			48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	268.77	42.00
23 37 13 13-0154	EA			48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	449.04	51.33
				<i>For Lay-In Installation, Deduct</i>	-117.14	

23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)

23 37 13 13-0156 Adjustable Curved Blade Register (23 37 13 13-0155)

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0157	EA			6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	108.17	12.28
				<i>For Steel Construction, Deduct</i>	-9.10	
				<i>For Lay In Frame, Deduct</i>	-15.16	
				<i>For Three Way Pattern, Deduct</i>	-6.06	
				<i>For Two Way Pattern, Deduct</i>	-4.85	
				<i>For One Way Pattern, Deduct</i>	-4.85	
				<i>For Grille (No Damper), Deduct</i>	-9.10	
				<i>For Stainless Steel, Add</i>	151.60	
23 37 13 13-0158	EA			8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	111.74	12.28
				<i>For Steel Construction, Deduct</i>	-9.63	
				<i>For Lay In Frame, Deduct</i>	-16.05	
				<i>For Three Way Pattern, Deduct</i>	-6.42	
				<i>For Two Way Pattern, Deduct</i>	-5.14	
				<i>For One Way Pattern, Deduct</i>	-5.14	
				<i>For Grille (No Damper), Deduct</i>	-9.63	
				<i>For Stainless Steel, Add</i>	160.53	
23 37 13 13-0159	EA			12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	125.01	16.87
				<i>For Steel Construction, Deduct</i>	-9.10	
				<i>For Lay In Frame, Deduct</i>	-15.16	
				<i>For Three Way Pattern, Deduct</i>	-6.06	
				<i>For Two Way Pattern, Deduct</i>	-4.85	
				<i>For One Way Pattern, Deduct</i>	-4.85	
				<i>For Grille (No Damper), Deduct</i>	-9.10	
				<i>For Stainless Steel, Add</i>	151.60	
23 37 13 13-0160	EA			10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	138.10	15.34
				<i>For Steel Construction, Deduct</i>	-11.06	
				<i>For Lay In Frame, Deduct</i>	-18.43	
				<i>For Three Way Pattern, Deduct</i>	-7.37	
				<i>For Two Way Pattern, Deduct</i>	-5.90	
				<i>For One Way Pattern, Deduct</i>	-5.90	
				<i>For Grille (No Damper), Deduct</i>	-11.06	
				<i>For Stainless Steel, Add</i>	184.33	
23 37 13 13-0161	EA			12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	166.21	19.94
				<i>For Steel Construction, Deduct</i>	-13.20	
				<i>For Lay In Frame, Deduct</i>	-22.00	
				<i>For Three Way Pattern, Deduct</i>	-8.80	
				<i>For Two Way Pattern, Deduct</i>	-7.04	
				<i>For One Way Pattern, Deduct</i>	-7.04	
				<i>For Grille (No Damper), Deduct</i>	-13.20	
				<i>For Stainless Steel, Add</i>	219.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern <i>For Steel Construction, Deduct</i> <i>For Lay In Frame, Deduct</i> <i>For Three Way Pattern, Deduct</i> <i>For Two Way Pattern, Deduct</i> <i>For One Way Pattern, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	204.61 -16.41 -27.35 -10.94 -8.75 -8.75 -16.41 273.50	23.01
23 37 13	13-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern <i>For Steel Construction, Deduct</i> <i>For Lay In Frame, Deduct</i> <i>For Three Way Pattern, Deduct</i> <i>For Two Way Pattern, Deduct</i> <i>For One Way Pattern, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	204.61 -16.41 -27.35 -10.94 -8.75 -8.75 -16.41 273.50	23.01
23 37 13	13-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern <i>For Steel Construction, Deduct</i> <i>For Lay In Frame, Deduct</i> <i>For Three Way Pattern, Deduct</i> <i>For Two Way Pattern, Deduct</i> <i>For One Way Pattern, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	252.72 -19.98 -33.30 -13.32 -10.65 -10.65 -19.98 332.95	30.68
23 37 13	13-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern <i>For Steel Construction, Deduct</i> <i>For Lay In Frame, Deduct</i> <i>For Three Way Pattern, Deduct</i> <i>For Two Way Pattern, Deduct</i> <i>For One Way Pattern, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	326.47 -30.14 -50.24 -20.10 -16.08 -16.08 -30.14 502.40	32.21
23 37 13	13-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern <i>For Steel Construction, Deduct</i> <i>For Lay In Frame, Deduct</i> <i>For Three Way Pattern, Deduct</i> <i>For Two Way Pattern, Deduct</i> <i>For One Way Pattern, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	515.97 -57.88 -96.47 -38.59 -30.87 -30.87 -57.88 964.68	65.04
23 37 13 13-0167 Removable-Reversible Core Registers <small>(23 37 13 13-0155)</small>					
Note: Double deflection radiused frame aluminum construction.					
23 37 13	13-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	123.63 -7.61 -7.61 -22.83 190.25	12.28
23 37 13	13-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	154.55 -10.70 -10.70 -32.11 267.55	12.28
23 37 13	13-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	197.55 -13.32 -13.32 -39.95 332.95	16.87
23 37 13	13-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	199.93 -13.56 -13.56 -40.67 338.90	16.87
23 37 13	13-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	254.21 -17.60 -17.60 -52.80 439.98	19.94
23 37 13	13-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	359.19 -26.40 -26.40 -79.19 659.95	24.54
23 37 13	13-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	402.00 -30.68 -30.68 -92.04 766.98	23.01
23 37 13	13-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame <i>For Steel Construction, Deduct</i> <i>For Flat Frame, Deduct</i> <i>For Grille (No Damper), Deduct</i> <i>For Stainless Steel, Add</i>	485.79 -36.63 -36.63 -109.88 915.63	30.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0176 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	608.29	30.68
For Steel Construction, Deduct	-48.28	
For Flat Frame, Deduct	-48.28	
For Grille (No Damper), Deduct	-144.83	
For Stainless Steel, Add	1,206.95	
23 37 13 13-0177 Adjustable Shutter Blade Registers (23 37 13 13-0155)		
Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0178 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	186.26	12.28
For Steel Construction, Deduct	-13.87	
For Single Deflection, Deduct	-27.75	
For Grille (No Damper), Deduct	-20.81	
For Stainless Steel, Add	346.83	
23 37 13 13-0179 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	214.01	12.28
For Steel Construction, Deduct	-16.65	
For Single Deflection, Deduct	-33.30	
For Grille (No Damper), Deduct	-24.97	
For Stainless Steel, Add	416.20	
23 37 13 13-0180 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	230.85	16.87
For Steel Construction, Deduct	-16.65	
For Single Deflection, Deduct	-33.30	
For Grille (No Damper), Deduct	-24.97	
For Stainless Steel, Add	416.20	
23 37 13 13-0181 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	238.77	15.34
For Steel Construction, Deduct	-17.44	
For Single Deflection, Deduct	-34.88	
For Grille (No Damper), Deduct	-26.16	
For Stainless Steel, Add	436.00	
23 37 13 13-0182 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	292.26	19.94
For Steel Construction, Deduct	-21.40	
For Single Deflection, Deduct	-42.81	
For Grille (No Damper), Deduct	-32.11	
For Stainless Steel, Add	535.10	
23 37 13 13-0183 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	388.53	23.01
For Steel Construction, Deduct	-29.33	
For Single Deflection, Deduct	-58.66	
For Grille (No Damper), Deduct	-44.00	
For Stainless Steel, Add	733.30	
23 37 13 13-0184 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	455.91	24.54
For Steel Construction, Deduct	-36.07	
For Single Deflection, Deduct	-72.14	
For Grille (No Damper), Deduct	-54.11	
For Stainless Steel, Add	901.75	
23 37 13 13-0185 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	563.48	30.68
For Steel Construction, Deduct	-44.39	
For Single Deflection, Deduct	-88.79	
For Grille (No Damper), Deduct	-66.59	
For Stainless Steel, Add	1,109.85	
23 37 13 13-0186 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	771.60	32.21
For Steel Construction, Deduct	-64.61	
For Single Deflection, Deduct	-129.22	
For Grille (No Damper), Deduct	-96.91	
For Stainless Steel, Add	1,615.23	
23 37 13 13-0187 Air Conditioning And Ventilation (23 37 13 13-0155)		
23 37 13 13-0188 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	115.16	32.21
For Stainless Steel, Add	126.98	
23 37 13 13-0189 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	197.46	47.94
For Stainless Steel, Add	253.95	
23 37 13 13-0190 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	303.54	67.11
For Stainless Steel, Add	423.28	
23 37 13 13-0191 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	742.80	92.04
For Stainless Steel, Add	1,396.78	
23 37 13 13-0192 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155)		
Note: Egg crate design aluminum construction.		
23 37 13 13-0193 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	107.32	38.40
23 37 13 13-0194 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	116.72	38.40
23 37 13 13-0195 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	173.89	57.60
23 37 13 13-0196 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	220.85	57.60
23 37 13 13-0197 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	364.91	76.80
23 37 13 13-0198 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	648.62	76.70
23 37 13 13-0199 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155)		
Note: Aluminum construction.		
23 37 13 13-0200 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	274.64	27.64
23 37 13 13-0201 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	310.31	27.64
23 37 13 13-0202 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	372.57	30.72
23 37 13 13-0203 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	435.96	30.72
23 37 13 13-0204 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	567.09	96.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 37 13 13-0205		Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155) Note: Egg crate design, plastic construction.			
23 37 13 13-0206	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	56.01		18.38
23 37 13 13-0207	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	79.04		18.53
23 37 13 13-0208		Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155) Note: Painted steel louvers and frame.			
23 37 13 13-0209	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	155.55		27.64
23 37 13 13-0210	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	199.33		27.64
23 37 13 13-0211	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	242.93		29.18
23 37 13 13-0212	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	326.16		34.86
23 37 13 13-0213	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	363.77		64.04
23 37 13 13-0214		Stainless Steel Devices (23 37 13 13-0155)			
23 37 13 13-0215		304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0214)			
23 37 13 13-0216	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	248.62		23.96
		<i>For 316 Stainless Steel, Add</i>	41.74		
23 37 13 13-0217	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	210.54		23.96
		<i>For 316 Stainless Steel, Add</i>	34.12		
23 37 13 13-0218		304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0214)			
23 37 13 13-0219	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	189.44		23.96
		<i>For 316 Stainless Steel, Add</i>	29.90		
23 37 13 13-0220	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	161.75		23.96
		<i>For 316 Stainless Steel, Add</i>	24.36		
23 37 13 13-0221		304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0214)			
23 37 13 13-0222	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	275.09		23.96
		<i>For 316 Stainless Steel, Add</i>	47.03		
23 37 13 13-0223	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	235.12		23.96
		<i>For 316 Stainless Steel, Add</i>	39.04		
23 37 13 13-0224		304 Stainless Steel Return Grilles (23 37 13 13-0214)			
23 37 13 13-0225	SF	Up To 4 SF, 304 Stainless Steel Return Grille.....	189.44		23.96
		<i>For 316 Stainless Steel, Add</i>	29.90		
23 37 13 13-0226	SF	>4 SF, 304 Stainless Steel Return Grille	161.75		23.96
		<i>For 316 Stainless Steel, Add</i>	24.36		
23 37 13 13-0227		304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 13-0214)			
23 37 13 13-0228	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	189.44		23.96
		<i>For 316 Stainless Steel, Add</i>	29.90		
23 37 13 13-0229	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	161.75		23.96
		<i>For 316 Stainless Steel, Add</i>	24.36		
23 37 13 13-0230		304 Stainless Steel, Perforated Return Grilles (23 37 13 13-0214)			
23 37 13 13-0231	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	189.44		23.96
		<i>For 316 Stainless Steel, Add</i>	29.90		
23 37 13 13-0232	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille.....	154.14		23.96
		<i>For 316 Stainless Steel, Add</i>	22.84		
23 37 13 13-0233		304 Stainless Steel, Perforated Supply Grilles (23 37 13 13-0214)			
23 37 13 13-0234	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille.....	228.37		23.96
		<i>For 316 Stainless Steel, Add</i>	37.69		
23 37 13 13-0235	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille.....	158.19		23.96
		<i>For 316 Stainless Steel, Add</i>	23.65		
23 37 13 13-0236		304 Stainless Steel, Door Grilles (23 37 13 13-0214)			
23 37 13 13-0237	SF	Up To 4 SF, 304 Stainless Steel, Door Grille.....	338.94		23.96
		<i>For 316 Stainless Steel, Add</i>	59.80		
23 37 13 13-0238	SF	>4 SF, 304 Stainless Steel, Door Grille	283.58		23.96
		<i>For 316 Stainless Steel, Add</i>	48.73		
23 37 13 13-0239		304 Stainless Steel, Linear Bar Grilles (23 37 13 13-0214)			
23 37 13 13-0240	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	431.86		23.96
		<i>For 316 Stainless Steel, Add</i>	78.38		
23 37 13 13-0241	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille.....	370.43		23.96
		<i>For 316 Stainless Steel, Add</i>	66.10		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0242 304 Stainless Steel, Hinged Filter Grilles (23 37 13 13-0214)						
	23 37 13 13-0243	SF		Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	318.70	23.96
				<i>For 316 Stainless Steel, Add</i>	55.75	
	23 37 13 13-0244	SF		>4 SF, 304 Stainless Steel, Hinged Filter Grille.....	221.81	23.96
				<i>For 316 Stainless Steel, Add</i>	36.37	
23 37 13 13-0245 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 13-0214)						
	23 37 13 13-0246	SF		Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	173.87	23.96
				<i>For 316 Stainless Steel, Add</i>	26.79	
	23 37 13 13-0247	SF		Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	133.56	23.96
				<i>For 316 Stainless Steel, Add</i>	18.72	
23 37 13 13-0248 304 Stainless Steel, Plaster Frames Replacement (23 37 13 13-0214)						
	Note: For frequent replacement.					
	23 37 13 13-0249	SF		To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	136.49	23.96
				<i>For 316 Stainless Steel, Add</i>	19.31	
	23 37 13 13-0250	SF		>4 SF, 304 Stainless Steel, Plaster Frames Replacement	74.72	23.96
				<i>For 316 Stainless Steel, Add</i>	6.96	
23 37 13 13-0251 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 13-0214)						
	23 37 13 13-0252	SF		Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser.....	314.03	23.96
				<i>For 316 Stainless Steel, Add</i>	54.82	
	23 37 13 13-0253	SF		>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	246.72	23.96
				<i>For 316 Stainless Steel, Add</i>	41.36	
23 37 13 13-0254 304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 13-0214)						
	23 37 13 13-0255	SF		Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	113.13	23.96
				<i>For 316 Stainless Steel, Add</i>	14.64	
	23 37 13 13-0256	SF		>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	113.13	23.96
				<i>For 316 Stainless Steel, Add</i>	14.64	
23 37 13 13-0257 Removal And Reinstallation Of Distribution Devices (23 37 13 13)						
	Note: Includes storage and cleaning. Excludes ductwork.					
	23 37 13 13-0258	EA		Removal And Reinstallation Of Variable Air Volume Terminal Unit	287.63	
	23 37 13 13-0259	EA		Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	317.24	
	23 37 13 13-0260	EA		Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	47.54	
	23 37 13 13-0261	EA		Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	64.40	
23 37 13 43 Security Registers and Grilles (23 37 13)						
23 37 13 43-0001 Security Supply Or Return Grille (23 37 13 43)						
	Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.					
	23 37 13 43-0002	EA		8" x 4" Steel Security Grille	292.80	23.04
				<i>For Anchoring Tabs, Add</i>	24.67	
				<i>For Rear Operated Opposed Blade Damper, Add</i>	90.96	
				<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
				<i>For 1" x 1" Square Holes On Face, Add</i>	61.68	
				<i>For Stainless Steel, Add</i>	320.74	
	23 37 13 43-0003	EA		8" x 6" Steel Security Grille	324.25	23.80
				<i>For Anchoring Tabs, Add</i>	27.66	
				<i>For Rear Operated Opposed Blade Damper, Add</i>	101.58	
				<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
				<i>For 1" x 1" Square Holes On Face, Add</i>	69.16	
				<i>For Stainless Steel, Add</i>	359.62	
	23 37 13 43-0004	EA		8" x 8" Steel Security Grille	371.51	26.88
				<i>For Anchoring Tabs, Add</i>	31.78	
				<i>For Rear Operated Opposed Blade Damper, Add</i>	116.59	
				<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
				<i>For 1" x 1" Square Holes On Face, Add</i>	79.44	
				<i>For Stainless Steel, Add</i>	413.08	
	23 37 13 43-0005	EA		10" x 4" Steel Security Grille	325.11	26.10
				<i>For Anchoring Tabs, Add</i>	27.29	
				<i>For Rear Operated Opposed Blade Damper, Add</i>	100.73	
				<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
				<i>For 1" x 1" Square Holes On Face, Add</i>	68.22	
				<i>For Stainless Steel, Add</i>	354.76	
	23 37 13 43-0006	EA		10" x 6" Steel Security Grille	346.87	27.64
				<i>For Anchoring Tabs, Add</i>	29.16	
				<i>For Rear Operated Opposed Blade Damper, Add</i>	107.58	
				<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
				<i>For 1" x 1" Square Holes On Face, Add</i>	72.90	
				<i>For Stainless Steel, Add</i>	379.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0007 EA 10" x 8" Steel Security Grille	396.34	29.94
For Anchoring Tabs, Add	33.64	
For Rear Operated Opposed Blade Damper, Add	123.74	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	84.11	
For Stainless Steel, Add	437.37	
23 37 13 43-0008 EA 10" x 10" Steel Security Grille	442.06	32.26
For Anchoring Tabs, Add	37.76	
For Rear Operated Opposed Blade Damper, Add	138.60	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	94.39	
For Stainless Steel, Add	490.83	
23 37 13 43-0009 EA 12" x 4" Steel Security Grille	342.46	29.18
For Anchoring Tabs, Add	28.41	
For Rear Operated Opposed Blade Damper, Add	105.27	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	71.03	
For Stainless Steel, Add	369.33	
23 37 13 43-0010 EA 12" x 6" Steel Security Grille	382.25	32.26
For Anchoring Tabs, Add	31.78	
For Rear Operated Opposed Blade Damper, Add	117.66	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	79.44	
For Stainless Steel, Add	413.08	
23 37 13 43-0011 EA 12" x 8" Steel Security Grille	435.46	34.56
For Anchoring Tabs, Add	36.64	
For Rear Operated Opposed Blade Damper, Add	135.13	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	91.59	
For Stainless Steel, Add	476.26	
23 37 13 43-0012 EA 12" x 10" Steel Security Grille	473.71	36.86
For Anchoring Tabs, Add	40.00	
For Rear Operated Opposed Blade Damper, Add	147.37	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	100.00	
For Stainless Steel, Add	519.99	
23 37 13 43-0013 EA 12" x 12" Steel Security Grille	523.17	39.16
For Anchoring Tabs, Add	44.49	
For Rear Operated Opposed Blade Damper, Add	163.53	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	111.21	
For Stainless Steel, Add	578.31	
23 37 13 43-0014 EA 14" x 4" Steel Security Grille	365.77	31.48
For Anchoring Tabs, Add	30.28	
For Rear Operated Opposed Blade Damper, Add	112.28	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	75.70	
For Stainless Steel, Add	393.64	
23 37 13 43-0015 EA 14" x 6" Steel Security Grille	411.50	33.78
For Anchoring Tabs, Add	34.39	
For Rear Operated Opposed Blade Damper, Add	127.13	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	85.98	
For Stainless Steel, Add	447.10	
23 37 13 43-0016 EA 14" x 8" Steel Security Grille	458.76	36.86
For Anchoring Tabs, Add	38.50	
For Rear Operated Opposed Blade Damper, Add	142.14	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	96.26	
For Stainless Steel, Add	500.55	
23 37 13 43-0017 EA 14" x 10" Steel Security Grille	517.23	39.94
For Anchoring Tabs, Add	43.74	
For Rear Operated Opposed Blade Damper, Add	161.07	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	109.34	
For Stainless Steel, Add	568.58	
23 37 13 43-0018 EA 14" x 12" Steel Security Grille	569.77	43.78
For Anchoring Tabs, Add	48.22	
For Rear Operated Opposed Blade Damper, Add	177.53	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	120.56	
For Stainless Steel, Add	626.90	
23 37 13 43-0019 EA 14" x 14" Steel Security Grille	613.29	46.84
For Anchoring Tabs, Add	51.96	
For Rear Operated Opposed Blade Damper, Add	191.23	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	129.90	
For Stainless Steel, Add	675.49	
23 37 13 43-0020 EA 16" x 6" Steel Security Grille	440.07	36.86
For Anchoring Tabs, Add	36.64	
For Rear Operated Opposed Blade Damper, Add	135.59	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	91.59	
For Stainless Steel, Add	476.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0021 EA 16" x 8" Steel Security Grille	502.28	39.94
<i>For Anchoring Tabs, Add</i>	42.24	
<i>For Rear Operated Opposed Blade Damper, Add</i>	155.83	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	105.61	
<i>For Stainless Steel, Add</i>	549.15	
23 37 13 43-0022 EA 16" x 10" Steel Security Grille	542.06	43.00
<i>For Anchoring Tabs, Add</i>	45.61	
<i>For Rear Operated Opposed Blade Damper, Add</i>	168.22	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	114.02	
<i>For Stainless Steel, Add</i>	592.88	
23 37 13 43-0023 EA 16" x 12" Steel Security Grille	610.22	45.30
<i>For Anchoring Tabs, Add</i>	51.96	
<i>For Rear Operated Opposed Blade Damper, Add</i>	190.92	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	129.90	
<i>For Stainless Steel, Add</i>	675.49	
23 37 13 43-0024 EA 16" x 14" Steel Security Grille	646.27	48.38
<i>For Anchoring Tabs, Add</i>	54.95	
<i>For Rear Operated Opposed Blade Damper, Add</i>	202.01	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	137.38	
<i>For Stainless Steel, Add</i>	714.38	
23 37 13 43-0025 EA 16" x 16" Steel Security Grille	701.01	51.46
<i>For Anchoring Tabs, Add</i>	59.81	
<i>For Rear Operated Opposed Blade Damper, Add</i>	219.63	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	149.53	
<i>For Stainless Steel, Add</i>	777.56	
23 37 13 43-0026 EA 18" x 6" Steel Security Grille	467.97	41.46
<i>For Anchoring Tabs, Add</i>	38.50	
<i>For Rear Operated Opposed Blade Damper, Add</i>	143.06	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	96.26	
<i>For Stainless Steel, Add</i>	500.55	
23 37 13 43-0027 EA 18" x 8" Steel Security Grille	533.92	44.54
<i>For Anchoring Tabs, Add</i>	44.49	
<i>For Rear Operated Opposed Blade Damper, Add</i>	164.60	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	111.21	
<i>For Stainless Steel, Add</i>	578.31	
23 37 13 43-0028 EA 18" x 10" Steel Security Grille	584.93	47.62
<i>For Anchoring Tabs, Add</i>	48.97	
<i>For Rear Operated Opposed Blade Damper, Add</i>	180.92	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	122.43	
<i>For Stainless Steel, Add</i>	636.62	
23 37 13 43-0029 EA 18" x 12" Steel Security Grille	643.40	50.68
<i>For Anchoring Tabs, Add</i>	54.20	
<i>For Rear Operated Opposed Blade Damper, Add</i>	199.85	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	135.51	
<i>For Stainless Steel, Add</i>	704.65	
23 37 13 43-0030 EA 18" x 14" Steel Security Grille	686.73	49.92
<i>For Anchoring Tabs, Add</i>	58.69	
<i>For Rear Operated Opposed Blade Damper, Add</i>	215.40	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	146.73	
<i>For Stainless Steel, Add</i>	762.97	
23 37 13 43-0031 EA 18" x 16" Steel Security Grille	751.15	52.22
<i>For Anchoring Tabs, Add</i>	64.67	
<i>For Rear Operated Opposed Blade Damper, Add</i>	236.79	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	161.68	
<i>For Stainless Steel, Add</i>	840.72	
23 37 13 43-0032 EA 18" x 18" Steel Security Grille	804.35	54.52
<i>For Anchoring Tabs, Add</i>	69.53	
<i>For Rear Operated Opposed Blade Damper, Add</i>	254.26	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	173.83	
<i>For Stainless Steel, Add</i>	903.90	
23 37 13 43-0033 EA 20" x 6" Steel Security Grille	501.82	45.30
<i>For Anchoring Tabs, Add</i>	41.12	
<i>For Rear Operated Opposed Blade Damper, Add</i>	152.98	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	102.80	
<i>For Stainless Steel, Add</i>	534.56	
23 37 13 43-0034 EA 20" x 8" Steel Security Grille	567.11	49.92
<i>For Anchoring Tabs, Add</i>	46.73	
<i>For Rear Operated Opposed Blade Damper, Add</i>	173.53	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	116.82	
<i>For Stainless Steel, Add</i>	607.46	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0035 EA 20" x 10" Steel Security Grille	624.05	52.22
For Anchoring Tabs, Add	51.96	
For Rear Operated Opposed Blade Damper, Add	192.31	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	129.90	
For Stainless Steel, Add	675.49	
23 37 13 43-0036 EA 20" x 12" Steel Security Grille	686.27	55.30
For Anchoring Tabs, Add	57.57	
For Rear Operated Opposed Blade Damper, Add	212.55	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	143.92	
For Stainless Steel, Add	748.40	
23 37 13 43-0037 EA 20" x 14" Steel Security Grille	754.42	57.60
For Anchoring Tabs, Add	63.92	
For Rear Operated Opposed Blade Damper, Add	235.25	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	159.81	
For Stainless Steel, Add	831.01	
23 37 13 43-0038 EA 20" x 16" Steel Security Grille	815.10	59.90
For Anchoring Tabs, Add	69.53	
For Rear Operated Opposed Blade Damper, Add	255.34	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	173.83	
For Stainless Steel, Add	903.90	
23 37 13 43-0039 EA 20" x 18" Steel Security Grille	872.04	62.20
For Anchoring Tabs, Add	74.76	
For Rear Operated Opposed Blade Damper, Add	274.11	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	186.91	
For Stainless Steel, Add	971.93	
23 37 13 43-0040 EA 20" x 20" Steel Security Grille	940.20	64.50
For Anchoring Tabs, Add	81.12	
For Rear Operated Opposed Blade Damper, Add	296.82	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	202.80	
For Stainless Steel, Add	1,054.55	
23 37 13 43-0041 EA 24" x 6" Steel Security Grille	557.42	50.68
For Anchoring Tabs, Add	45.61	
For Rear Operated Opposed Blade Damper, Add	169.76	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	114.02	
For Stainless Steel, Add	592.88	
23 37 13 43-0042 EA 24" x 8" Steel Security Grille	630.18	55.30
For Anchoring Tabs, Add	51.96	
For Rear Operated Opposed Blade Damper, Add	192.92	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	129.90	
For Stainless Steel, Add	675.49	
23 37 13 43-0043 EA 24" x 10" Steel Security Grille	689.33	56.82
For Anchoring Tabs, Add	57.57	
For Rear Operated Opposed Blade Damper, Add	212.86	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	143.92	
For Stainless Steel, Add	748.40	
23 37 13 43-0044 EA 24" x 12" Steel Security Grille	772.63	62.98
For Anchoring Tabs, Add	64.67	
For Rear Operated Opposed Blade Damper, Add	238.94	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	161.68	
For Stainless Steel, Add	840.72	
23 37 13 43-0045 EA 24" x 14" Steel Security Grille	833.32	65.28
For Anchoring Tabs, Add	70.28	
For Rear Operated Opposed Blade Damper, Add	259.03	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	175.70	
For Stainless Steel, Add	913.63	
23 37 13 43-0046 EA 24" x 16" Steel Security Grille	908.94	67.58
For Anchoring Tabs, Add	77.38	
For Rear Operated Opposed Blade Damper, Add	284.35	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	193.45	
For Stainless Steel, Add	1,005.95	
23 37 13 43-0047 EA 24" x 18" Steel Security Grille	995.78	69.88
For Anchoring Tabs, Add	85.61	
For Rear Operated Opposed Blade Damper, Add	313.59	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	214.01	
For Stainless Steel, Add	1,112.87	
23 37 13 43-0048 EA 24" x 20" Steel Security Grille	1,056.47	72.18
For Anchoring Tabs, Add	91.21	
For Rear Operated Opposed Blade Damper, Add	333.68	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	228.03	
For Stainless Steel, Add	1,185.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37	13 43-0049	EA	24" x 24" Steel Security Grille <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	1,185.30 103.18 376.47 0.35 257.94 1,341.28	76.80
23 37 13 43-0050 Security Registers And Grilles (23 37 13 43)					
23 37 13 43-0051 Maximum Security Steel Supply / Return Registers (23 37 13 43-0050)					
Note: Includes damper as manufactured by Titus or equal.					
23 37	13 43-0052	EA	6" x 6" Maximum Security Supply/ Return Register	265.12	17.18
23 37	13 43-0053	EA	9" x 9" Maximum Security Supply/ Return Register	382.60	20.44
23 37	13 43-0054	EA	12" x 6" Maximum Security Supply/ Return Register	357.02	21.46
23 37	13 43-0055	EA	12" x 8" Maximum Security Supply/ Return Register	412.58	24.77
23 37	13 43-0056	EA	10" x 10" Maximum Security Supply/ Return Register	386.91	21.46
23 37	13 43-0057	EA	14" x 12" Maximum Security Supply/ Return Register	536.51	30.19
23 37	13 43-0058	EA	14" x 14" Maximum Security Supply/ Return Register	607.02	32.52
23 37	13 43-0059	EA	18" x 18" Maximum Security Supply/ Return Register	812.10	38.64
23 37	13 43-0060	EA	24" x 24" Maximum Security Supply/ Return Registers	1,164.55	49.39
23 37 13 43-0061 Staff Security Steel Supply Registers (23 37 13 43-0050)					
Note: Includes damper as manufactured by Titus or equal.					
23 37	13 43-0062	EA	6" x 6" Staff Security Supply Register	199.38	17.18
23 37	13 43-0063	EA	9" x 9" Staff Security Supply Register	257.08	20.44
23 37	13 43-0064	EA	12" x 12" Staff Security Supply Register	324.70	27.89
23 37	13 43-0065	EA	15" x 15" Staff Security Supply Register	461.89	32.20
23 37	13 43-0066	EA	21" x 21" Staff Security Supply Register	657.63	42.95
23 37	13 43-0067	EA	24" x 24" Staff Security Supply Register	790.99	49.39
23 37 13 43-0068 Staff Security Steel Return Registers (23 37 13 43-0050)					
Note: Includes damper as manufactured by Titus or equal.					
23 37	13 43-0069	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	254.48	18.58
23 37	13 43-0070	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	229.26	17.18
23 37	13 43-0071	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	277.55	19.35
23 37	13 43-0072	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	283.14	20.90
23 37	13 43-0073	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	352.81	24.77
23 37	13 43-0074	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	370.74	24.77
23 37	13 43-0075	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	413.05	25.70
23 37	13 43-0076	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	414.36	27.89
23 37	13 43-0077	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	540.80	31.27
23 37	13 43-0078	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	461.80	30.19
23 37	13 43-0079	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	577.14	32.20
23 37	13 43-0080	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	532.31	31.89
23 37 13 43-0081 Maximum Security Steel Grills (23 37 13 43-0050)					
Note: Includes damper as manufactured by Titus or equal.					
23 37	13 43-0082	EA	10" x 4" Maximum Security Grill.....	218.62	18.58
23 37	13 43-0083	EA	6" x 6" Maximum Security Grill.....	199.38	17.18
23 37	13 43-0084	EA	10" x 6" Maximum Security Grill.....	235.71	19.35
23 37	13 43-0085	EA	12" x 5" Maximum Security Grill.....	244.29	20.90
23 37	13 43-0086	EA	12" x 8" Maximum Security Grill.....	290.05	24.77
23 37	13 43-0087	EA	16" x 8" Maximum Security Grill.....	335.34	25.70
23 37	13 43-0088	EA	12" x 12" Maximum Security Grill.....	336.66	27.89
23 37	13 43-0089	EA	14" x 12" Maximum Security Grill.....	366.17	30.19
23 37	13 43-0090	EA	30" x 6" Maximum Security Grill.....	451.15	31.27
23 37	13 43-0091	EA	28" x 8" Maximum Security Grill.....	475.53	32.20
23 37	13 43-0092	EA	18" x 12" Maximum Security Grill.....	433.69	31.89
23 37 23 HVAC Gravity Ventilators (23 37)					
23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)					
23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)					
Note: Includes flange base and bird screen. Excludes curb.					
23 37	23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,148.91	88.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System (23 38 13 16)

Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood.....	12,955.60	1,220.12
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	13,506.10	1,296.37
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood.....	15,036.86	1,372.63
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	15,505.39	1,448.89
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood.....	16,070.00	1,525.15
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	16,664.84	1,601.40
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood.....	17,230.33	1,677.66
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	17,812.41	1,753.91
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood.....	18,456.68	1,830.18
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	19,018.36	1,906.44
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood.....	19,488.37	1,982.69
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	20,262.01	2,058.95
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood.....	22,610.48	2,135.20
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	23,227.49	2,211.47
23 38 13 16-0017	EA	15' Long x 60" Deep Dry Filter Exhaust Hood.....	24,053.31	2,287.72
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	24,683.00	2,363.98
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood.....	25,610.24	2,440.23

23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood.....	17,960.74	1,220.12
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	18,542.91	1,296.37
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood.....	20,168.72	1,372.63
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	20,763.96	1,448.89
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood.....	21,360.24	1,525.15
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	21,923.41	1,601.40
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood.....	22,520.57	1,677.66
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	23,086.82	1,753.91
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood.....	23,620.21	1,830.18
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	24,371.96	1,906.44
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood.....	25,237.94	1,982.69
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	26,154.14	2,058.95
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood.....	28,043.27	2,135.20
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	28,977.07	2,211.47
23 38 13 16-0035	EA	15' Long x 60" Deep Dry Extractor Exhaust Hood.....	30,769.07	2,287.72
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	32,586.69	2,363.98
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood.....	34,385.07	2,440.23

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,227.86	1,220.12
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,841.72	1,296.37
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,499.20	1,372.63
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,110.28	1,448.89
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,754.08	1,525.15
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	23,348.92	1,601.40
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	23,961.92	1,677.66
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,575.69	1,753.91
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	25,124.92	1,830.18
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	25,940.02	1,906.44
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	26,869.37	1,982.69
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	27,848.92	2,058.95
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	29,801.41	2,135.20
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	30,798.56	2,211.47
23 38 13 16-0053	EA	15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	32,764.79	2,287.72
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	33,758.78	2,363.98
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	34,749.37	2,440.23
23 38 13 16-0056	EA	Fan Wash Control Panel.....	13,697.11	610.06

Note: Includes time clock and backflow preventer.

23 38 13 16-0057 Utility Distribution System (UDS) (23 38 13 16-0001)

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058	EA	8' Long UDS.....	35,080.00	620.43
23 38 13 16-0059	EA	8'-6" Long UDS.....	36,113.93	635.53
23 38 13 16-0060	EA	9' Long UDS.....	37,136.53	650.32
23 38 13 16-0061	EA	9'-6" Long UDS.....	38,171.19	671.07
23 38 13 16-0062	EA	10' Long UDS.....	39,197.24	687.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 38 Ventilation Hoods



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0063 EA 10'-6" Long UDS	40,214.16	704.92
23 38 13 16-0064 EA 11' Long UDS.....	41,242.10	716.97
23 38 13 16-0065 EA 11'-6" Long UDS.....	42,272.87	735.88
23 38 13 16-0066 EA 12' Long UDS.....	43,319.44	762.57
23 38 13 16-0067 EA 12'-6" Long UDS	44,385.11	798.87
23 38 13 16-0068 EA 13' Long UDS.....	45,425.14	822.36
23 38 13 16-0069 EA 13'-6" Long UDS.....	46,485.33	855.91
23 38 13 16-0070 EA 14' Long UDS.....	47,532.44	882.91
23 38 13 16-0071 EA 14'-6" Long UDS	48,583.06	911.73
23 38 13 16-0072 EA 15' Long UDS.....	49,637.59	942.54
23 38 13 16-0073 EA 15'-6" Long UDS.....	50,696.37	975.33
23 38 13 16-0074 EA 16' Long UDS.....	51,735.88	998.67

23 38 13 16-0075 Stainless Steel Exhaust Hood Material (23 38 13 16)

Note: Welded seams.

23 38 13 16-0076 SF 16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	53.17	18.79
<i>For Type 316 Stainless Steel, Add</i>	1.42	
23 38 13 16-0077 SF 14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	66.47	25.04
<i>For Type 316 Stainless Steel, Add</i>	1.78	
23 38 13 16-0078 SF 12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	92.28	33.81
<i>For Type 316 Stainless Steel, Add</i>	2.49	
23 38 13 16-0079 SF 10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	115.44	41.32
<i>For Type 316 Stainless Steel, Add</i>	3.20	

23 38 13 16-0080 Kitchen Exhaust Hood (23 38 13 16)

23 38 13 16-0081 EA 10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048).....	11,917.19	2,828.30
Note: Ductwork connections by others.		
<i>For Type 316 Stainless Steel, Add</i>	626.06	
23 38 13 16-0082 EA 8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848)	10,785.87	2,262.64
Note: Ductwork connections by others.		
<i>For Type 316 Stainless Steel, Add</i>	626.06	
23 38 13 16-0083 EA 4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448)	5,829.98	1,131.32
Note: Ductwork connections by others.		
<i>For Type 316 Stainless Steel, Add</i>	356.73	
23 38 13 16-0084 EA 6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648)	7,572.65	1,696.98
Note: Ductwork connections by others.		
<i>For Type 316 Stainless Steel, Add</i>	417.87	
23 38 13 16-0085 EA 5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548)	6,792.19	1,414.15
Note: Ductwork connections by others.		
<i>For Type 316 Stainless Steel, Add</i>	396.39	

23 40 HVAC Air Cleaning Devices (23)

23 41 Particulate Air Filtration (23 40)

23 41 13 Panel Air Filters (23 41)

23 41 13 00-0001 Disposable Air Filters (23 41 13)

23 41 13 00-0002 EA Throwaway Glass Or Paper Media Filter, Residential.....	16.21	
---	-------	--

23 41 13 00-0003 Disposable Fiberglass Air Filters (23 41 13)

23 41 13 00-0004 EA 8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.34	7.37
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005 EA 8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.34	7.37
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006 EA 8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.01	7.37
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007 EA 10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.93	7.72
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008 EA 10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.93	7.72
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009 EA 10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.93	7.72
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010 EA 10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.93	7.72
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011 EA 10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.20	7.72
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0012 EA 12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.82	8.06
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0013 EA 12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.79	8.06
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0014 EA 12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.04	8.06
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0015 EA 12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.04	8.06
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0016 EA 12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.04	8.06
Note: One-piece kraft fiberboard frame with two metal grids.		



Heating, Ventilating, and Air-Conditioning (HVAC)

23

HVAC Air Cleaning Devices

23 40

Particulate Air Filtration

23 41

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0017 EA 12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.00	8.06
23 41 13 00-0018 EA 12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.39	8.06
23 41 13 00-0019 EA 14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.10	8.52
23 41 13 00-0020 EA 14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.93	8.52
23 41 13 00-0021 EA 14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.01	8.52
23 41 13 00-0022 EA 14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.10	8.52
23 41 13 00-0023 EA 14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.01	8.52
23 41 13 00-0024 EA 14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.12	8.52
23 41 13 00-0025 EA 15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.22	8.76
23 41 13 00-0026 EA 15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.22	8.76
23 41 13 00-0027 EA 15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.16	8.76
23 41 13 00-0028 EA 16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.41	8.87
23 41 13 00-0029 EA 16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.25	8.87
23 41 13 00-0030 EA 16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.47	8.87
23 41 13 00-0031 EA 16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.56	8.87
23 41 13 00-0032 EA 16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.76	8.87
23 41 13 00-0033 EA 16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.34	8.87
23 41 13 00-0034 EA 16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.45	8.87
23 41 13 00-0035 EA 16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.12	8.87
23 41 13 00-0036 EA 18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.01	9.22
23 41 13 00-0037 EA 18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.58	9.22
23 41 13 00-0038 EA 18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.01	9.22
23 41 13 00-0039 EA 18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.44	9.22
23 41 13 00-0040 EA 18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.52	9.22
23 41 13 00-0041 EA 18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.91	9.22
23 41 13 00-0042 EA 19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.14	9.68
23 41 13 00-0043 EA 20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.81	9.68
23 41 13 00-0044 EA 20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.56	9.68
23 41 13 00-0045 EA 20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.68	9.68
23 41 13 00-0046 EA 20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.46	9.68
23 41 13 00-0047 EA 20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	27.52	9.68
23 41 13 00-0048 EA 20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.86	9.68
23 41 13 00-0049 EA 21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.67	9.79
23 41 13 00-0050 EA 22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.72	9.91
23 41 13 00-0051 EA 24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.87	10.02
23 41 13 00-0052 EA 24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.59	10.02
23 41 13 00-0053 EA 24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	29.98	10.02
23 41 13 00-0054 EA 25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.03	10.13
23 41 13 00-0055 EA 25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	30.58	10.13
23 41 13 00-0056 EA 10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.17	7.72
23 41 13 00-0057 EA 10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.94	7.72
23 41 13 00-0058 EA 12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.69	8.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0059 EA 14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.30	8.52
23 41 13 00-0060 EA 14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.30	8.52
23 41 13 00-0061 EA 15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.73	8.76
23 41 13 00-0062 EA 16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.62	8.87
23 41 13 00-0063 EA 16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.43	8.87
23 41 13 00-0064 EA 16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.89	8.87
23 41 13 00-0065 EA 18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.13	9.22
23 41 13 00-0066 EA 20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.87	9.68
23 41 13 00-0067 EA 20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.56	9.68
23 41 13 00-0068 EA 20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.56	9.68
23 41 13 00-0069 EA 24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.35	10.02
23 41 13 00-0070 EA 25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.51	10.13
23 41 13 00-0071 Disposable Pleated Air Filters (23 41 13)		
23 41 13 00-0072 EA 10" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	17.17	7.72
23 41 13 00-0073 EA 10" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	25.30	7.72
23 41 13 00-0074 EA 10" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	31.71	7.72
23 41 13 00-0075 EA 12" x 12" x 1" Disposable Pleated Air Filter, MERV 8.....	22.02	8.06
23 41 13 00-0076 EA 12" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	20.51	8.06
23 41 13 00-0077 EA 12" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	20.27	8.06
23 41 13 00-0078 EA 12" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	20.27	8.06
23 41 13 00-0079 EA 12" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	32.18	8.06
23 41 13 00-0080 EA 14" x 14" x 1" Disposable Pleated Air Filter, MERV 8.....	24.89	8.52
23 41 13 00-0081 EA 14" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	21.12	8.52
23 41 13 00-0082 EA 14" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	26.81	8.52
23 41 13 00-0083 EA 14" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	21.81	8.52
23 41 13 00-0084 EA 14" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	31.08	8.52
23 41 13 00-0085 EA 15" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	21.56	8.76
23 41 13 00-0086 EA 16" x 16" x 1" Disposable Pleated Air Filter, MERV 8.....	25.35	8.87
23 41 13 00-0087 EA 16" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	21.27	8.87
23 41 13 00-0088 EA 16" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	24.70	8.87
23 41 13 00-0089 EA 16" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	22.04	8.87
23 41 13 00-0090 EA 16" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	31.54	8.87
23 41 13 00-0091 EA 18" x 18" x 1" Disposable Pleated Air Filter, MERV 8.....	33.70	9.22
23 41 13 00-0092 EA 18" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	25.10	9.22
23 41 13 00-0093 EA 18" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	24.68	9.22
23 41 13 00-0094 EA 18" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	24.38	9.22
23 41 13 00-0095 EA 18" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	33.91	9.22
23 41 13 00-0096 EA 20" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	23.23	9.68
23 41 13 00-0097 EA 20" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	24.79	9.68
23 41 13 00-0098 EA 20" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	24.53	9.68
23 41 13 00-0099 EA 20" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.64	9.68
23 41 13 00-0100 EA 22" x 22" x 1" Disposable Pleated Air Filter, MERV 8.....	33.48	9.91
23 41 13 00-0101 EA 24" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	26.39	10.02
23 41 13 00-0102 EA 24" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	41.13	10.02
23 41 13 00-0103 EA 25" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	27.90	10.13
23 41 13 00-0104 EA 10" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	20.20	7.72
23 41 13 00-0105 EA 12" x 12" x 2" Disposable Pleated Air Filter, MERV 8.....	26.25	8.06
23 41 13 00-0106 EA 12" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	21.17	8.06
23 41 13 00-0107 EA 12" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	20.86	8.06
23 41 13 00-0108 EA 14" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	22.05	8.52
23 41 13 00-0109 EA 14" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	23.00	8.52
23 41 13 00-0110 EA 15" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	22.35	8.76
23 41 13 00-0111 EA 16" x 16" x 2" Disposable Pleated Air Filter, MERV 8.....	27.98	8.87
23 41 13 00-0112 EA 16" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	21.93	8.87
23 41 13 00-0113 EA 16" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	24.94	8.87
23 41 13 00-0114 EA 16" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	23.14	8.87
23 41 13 00-0115 EA 18" x 18" x 2" Disposable Pleated Air Filter, MERV 8.....	32.22	9.22
23 41 13 00-0116 EA 18" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	27.58	9.22
23 41 13 00-0117 EA 18" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	25.10	9.22
23 41 13 00-0118 EA 18" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	26.05	9.22
23 41 13 00-0119 EA 20" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	24.45	9.68
23 41 13 00-0120 EA 20" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	26.16	9.68
23 41 13 00-0121 EA 20" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	25.86	9.68
23 41 13 00-0122 EA 20" x 30" x 2" Disposable Pleated Air Filter, MERV 8.....	37.07	9.68
23 41 13 00-0123 EA 24" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	27.71	10.02
23 41 13 00-0124 EA 25" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	30.56	10.13
23 41 13 00-0125 EA 12" x 24" x 4" Disposable Pleated Air Filter, MERV 8.....	31.71	8.06
23 41 13 00-0126 EA 16" x 20" x 4" Disposable Pleated Air Filter, MERV 8.....	34.28	8.87

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0208 EA 14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.15	8.52
23 41 13 00-0209 EA 14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.57	8.52
23 41 13 00-0210 EA 14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.57	8.52
23 41 13 00-0211 EA 14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.57	8.52
23 41 13 00-0212 EA 14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.15	8.52
23 41 13 00-0213 EA 15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.87	8.76
23 41 13 00-0214 EA 15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.45	8.76
23 41 13 00-0215 EA 15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.45	8.76
23 41 13 00-0216 EA 16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.03	8.87
23 41 13 00-0217 EA 16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.61	8.87
23 41 13 00-0218 EA 16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.03	8.87
23 41 13 00-0219 EA 16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.03	8.87
23 41 13 00-0220 EA 16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.03	8.87
23 41 13 00-0221 EA 16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.61	8.87
23 41 13 00-0222 EA 16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.61	8.87
23 41 13 00-0223 EA 16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	43.73	8.87
23 41 13 00-0224 EA 18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.48	9.22
23 41 13 00-0225 EA 18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.64	9.22
23 41 13 00-0226 EA 18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.48	9.22
23 41 13 00-0227 EA 18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.64	9.22
23 41 13 00-0228 EA 18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.64	9.22
23 41 13 00-0229 EA 18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	44.18	9.22
23 41 13 00-0230 EA 19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	41.26	9.68
23 41 13 00-0231 EA 20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.10	9.68
23 41 13 00-0232 EA 20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.10	9.68
23 41 13 00-0233 EA 20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.10	9.68
23 41 13 00-0234 EA 20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.68	9.68
23 41 13 00-0235 EA 20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	44.80	9.68
23 41 13 00-0236 EA 20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	44.80	9.68
23 41 13 00-0237 EA 21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	41.42	9.79
23 41 13 00-0238 EA 22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.99	9.91
23 41 13 00-0239 EA 24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	43.29	10.02
23 41 13 00-0240 EA 24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	43.29	10.02
23 41 13 00-0241 EA 24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	48.41	10.02
23 41 13 00-0242 EA 25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	43.45	10.13
23 41 13 00-0243 EA 25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	48.57	10.13
23 41 13 00-0244 EA 30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	48.87	10.36
23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)		
23 41 13 00-0246 EA 24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	945.11	23.04
23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)		
23 41 13 00-0248 MF3 Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	81.99	
23 41 13 00-0249 MF3 Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar.....	79.19	
23 41 13 00-0250 MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar.....	3.42	
23 41 16 Renewable-Media Air Filters (23 41)		
23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)		
23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	141.09	
23 41 19 Washable Air Filters (23 41)		
23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)		
23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	53.87	
23 41 33 High-Efficiency Particulate Filtration (23 41)		
23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters (23 41 33)		
Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)		
23 41 33 00-0003 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	149.85	21.50
For Removal And Replacement In Existing Equipment, Add	4.30	
For >10 To 25, Deduct	-3.75	
For >25 To 50, Deduct	-7.49	
For >50 To 100, Deduct	-11.24	
For >100, Deduct	-14.99	
23 41 33 00-0004 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	198.29	24.58
For Removal And Replacement In Existing Equipment, Add	4.91	
For >10 To 25, Deduct	-4.96	
For >25 To 50, Deduct	-9.91	
For >50 To 100, Deduct	-14.87	
For >100, Deduct	-19.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0005 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	231.99	28.42
For Removal And Replacement In Existing Equipment, Add	5.68	
For >10 To 25, Deduct	-5.80	
For >25 To 50, Deduct	-11.60	
For >50 To 100, Deduct	-17.40	
For >100, Deduct	-23.20	
23 41 33 00-0006 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	265.73	32.26
For Removal And Replacement In Existing Equipment, Add	6.45	
For >10 To 25, Deduct	-6.64	
For >25 To 50, Deduct	-13.29	
For >50 To 100, Deduct	-19.93	
For >100, Deduct	-26.57	
23 41 33 00-0007 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	181.84	23.04
For Removal And Replacement In Existing Equipment, Add	4.61	
For >10 To 25, Deduct	-4.55	
For >25 To 50, Deduct	-9.09	
For >50 To 100, Deduct	-13.64	
For >100, Deduct	-18.18	
23 41 33 00-0008 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	243.24	26.88
For Removal And Replacement In Existing Equipment, Add	5.38	
For >10 To 25, Deduct	-6.08	
For >25 To 50, Deduct	-12.16	
For >50 To 100, Deduct	-18.24	
For >100, Deduct	-24.32	
23 41 33 00-0009 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	290.41	30.72
For Removal And Replacement In Existing Equipment, Add	6.14	
For >10 To 25, Deduct	-7.26	
For >25 To 50, Deduct	-14.52	
For >50 To 100, Deduct	-21.78	
For >100, Deduct	-29.04	
23 41 33 00-0010 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	345.26	38.40
For Removal And Replacement In Existing Equipment, Add	7.68	
For >10 To 25, Deduct	-8.63	
For >25 To 50, Deduct	-17.26	
For >50 To 100, Deduct	-25.89	
For >100, Deduct	-34.53	
23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012 EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	128.57	19.20
For Removal And Replacement In Existing Equipment, Add	3.84	
For >10 To 25, Deduct	-3.21	
For >25 To 50, Deduct	-6.43	
For >50 To 100, Deduct	-9.64	
For >100, Deduct	-12.86	
23 41 33 00-0013 EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	177.11	23.04
For Removal And Replacement In Existing Equipment, Add	4.61	
For >10 To 25, Deduct	-4.43	
For >25 To 50, Deduct	-8.86	
For >50 To 100, Deduct	-13.28	
For >100, Deduct	-17.71	
23 41 33 00-0014 EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	269.06	26.88
For Removal And Replacement In Existing Equipment, Add	5.38	
For >10 To 25, Deduct	-6.73	
For >25 To 50, Deduct	-13.45	
For >50 To 100, Deduct	-20.18	
For >100, Deduct	-26.91	
23 41 33 00-0015 EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	345.03	30.72
For Removal And Replacement In Existing Equipment, Add	6.14	
For >10 To 25, Deduct	-8.63	
For >25 To 50, Deduct	-17.25	
For >50 To 100, Deduct	-25.88	
For >100, Deduct	-34.50	
23 41 33 00-0016 EA 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	120.81	15.36
For Removal And Replacement In Existing Equipment, Add	3.07	
For >10 To 25, Deduct	-3.02	
For >25 To 50, Deduct	-6.04	
For >50 To 100, Deduct	-9.06	
For >100, Deduct	-12.08	
23 41 33 00-0017 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	160.19	20.74
For Removal And Replacement In Existing Equipment, Add	4.15	
For >10 To 25, Deduct	-4.00	
For >25 To 50, Deduct	-8.01	
For >50 To 100, Deduct	-12.01	
For >100, Deduct	-16.02	
23 41 33 00-0018 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	214.86	24.58
For Removal And Replacement In Existing Equipment, Add	4.91	
For >10 To 25, Deduct	-5.37	
For >25 To 50, Deduct	-10.74	
For >50 To 100, Deduct	-16.11	
For >100, Deduct	-21.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0019	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	252.24	28.80
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.76	
			<i>For >10 To 25, Deduct</i>	-6.31	
			<i>For >25 To 50, Deduct</i>	-12.61	
			<i>For >50 To 100, Deduct</i>	-18.92	
			<i>For >100, Deduct</i>	-25.22	
23 41 33 00-0020	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	288.08	32.26
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.45	
			<i>For >10 To 25, Deduct</i>	-7.20	
			<i>For >25 To 50, Deduct</i>	-14.40	
			<i>For >50 To 100, Deduct</i>	-21.61	
			<i>For >100, Deduct</i>	-28.81	
23 41 33 00-0021	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	196.92	23.04
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.61	
			<i>For >10 To 25, Deduct</i>	-4.92	
			<i>For >25 To 50, Deduct</i>	-9.85	
			<i>For >50 To 100, Deduct</i>	-14.77	
			<i>For >100, Deduct</i>	-19.69	
23 41 33 00-0022	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	264.30	26.88
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.38	
			<i>For >10 To 25, Deduct</i>	-6.61	
			<i>For >25 To 50, Deduct</i>	-13.22	
			<i>For >50 To 100, Deduct</i>	-19.82	
			<i>For >100, Deduct</i>	-26.43	
23 41 33 00-0023	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	315.85	30.72
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.14	
			<i>For >10 To 25, Deduct</i>	-7.90	
			<i>For >25 To 50, Deduct</i>	-15.79	
			<i>For >50 To 100, Deduct</i>	-23.69	
			<i>For >100, Deduct</i>	-31.59	
23 41 33 00-0024	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	389.28	38.40
			<i>For Removal And Replacement In Existing Equipment, Add</i>	7.68	
			<i>For >10 To 25, Deduct</i>	-9.73	
			<i>For >25 To 50, Deduct</i>	-19.46	
			<i>For >50 To 100, Deduct</i>	-29.20	
			<i>For >100, Deduct</i>	-38.93	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	380.80	114.54
23 41 33 00-0027	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	713.51	227.68
23 41 33 00-0028	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	723.82	227.68
23 41 33 00-0029	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	730.69	227.68
23 41 33 00-0030	EA		24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	778.76	227.68
23 41 33 00-0031	EA		24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	838.86	227.68
23 41 33 00-0032	EA		48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,385.81	456.77
23 41 33 00-0033	EA		48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,531.76	456.77
23 41 33 00-0034	EA		48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,717.19	456.77
23 41 33 00-0035	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	409.99	114.54
23 41 33 00-0036	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	763.31	227.68
23 41 33 00-0037	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	775.33	227.68
23 41 33 00-0038	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	783.91	227.68
23 41 33 00-0039	EA		24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	840.57	227.68
23 41 33 00-0040	EA		24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	916.12	227.68
23 41 33 00-0041	EA		48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,506.00	456.77
23 41 33 00-0042	EA		48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,688.00	456.77
23 41 33 00-0043	EA		48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,918.08	456.77

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)

23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	348.17	148.49
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	396.21	148.49

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)

23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	342.65	148.49
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	378.10	148.49

23 42 Gas-Phase Air Filtration (23 40)

23 42 13 Activated-Carbon Air Filtration (23 42)

23 42 13 00-0001	EA		12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	54.02	11.52
23 42 13 00-0002	EA		16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	54.62	11.52
23 42 13 00-0003	EA		16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	54.98	11.52
23 42 13 00-0004	EA		20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	54.98	11.52
23 42 13 00-0005	EA		20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	59.48	11.52
23 42 13 00-0006	EA		24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	66.89	11.52
23 42 13 00-0007	EA		12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	68.05	13.06
23 42 13 00-0008	EA		16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	68.55	13.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 42 13 00-0009 EA 16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	68.98	13.06
23 42 13 00-0010 EA 20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	68.98	13.06
23 42 13 00-0011 EA 20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	73.96	13.06
23 42 13 00-0012 EA 24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	87.83	13.06
23 42 13 00-0013 EA 16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	33.41	11.52
23 42 13 00-0014 EA 16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	35.56	11.52
23 42 13 00-0015 EA 20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	35.63	11.52
23 42 13 00-0016 EA 20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	38.44	11.52
23 42 13 00-0017 EA 24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	40.93	11.52
23 42 13 00-0018 EA 16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	38.65	13.06
23 42 13 00-0019 EA 16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	42.39	13.06
23 42 13 00-0020 EA 20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	43.17	13.06
23 42 13 00-0021 EA 20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	47.81	13.06
23 42 13 00-0022 EA 24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	50.75	13.06
23 42 13 00-0023 EA 24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	82.76	13.82

23 43 Electronic Air Cleaners (23 40)

23 43 23 Self-Contained Electronic Air Cleaners (23 43)

23 43 23 00-0001 Stationary Floor, Room Air Purifier (23 43 23)

23 43 23 00-0002 EA Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,121.26
23 43 23 00-0003 EA Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,561.34
23 43 23 00-0004 EA Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL).....	3,950.32
23 43 23 00-0005 EA Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	883.95
23 43 23 00-0006 EA Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,591.22
23 43 23 00-0007 EA Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,306.32

23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0009 EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	3,024.86
23 43 23 00-0010 EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,161.91
23 43 23 00-0011 EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,741.16

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0013 EA 2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,839.62
---	----------

23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks (23 50)

23 51 13 Draft Control Devices (23 51)

23 51 13 13 Draft-Induction Fans (23 51 13)

23 51 13 13-0001 Vertical Discharge Fans (23 51 13 13)

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,558.81	311.11
23 51 13 13-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,029.90	339.39
23 51 13 13-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,826.05	374.75
23 51 13 13-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,288.04	434.86

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,266.10	339.39
23 51 13 13-0009 EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,188.95	374.75
23 51 13 13-0010 EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	6,721.25	438.39
23 51 13 13-0011 EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,950.10	491.42

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013 EA Modulating Fan Controller And Sensor.....	523.05	106.06
---	--------	--------

23 51 13 16 Vent Dampers (23 51 13)

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)

23 51 13 16-0002 EA 3" Round Flue Shutter Draft Control Damper	1,042.04	62.79
23 51 13 16-0003 EA 4" Round Flue Shutter Draft Control Damper	1,141.47	66.61
23 51 13 16-0004 EA 5" Round Flue Shutter Draft Control Damper	1,258.80	70.70
23 51 13 16-0005 EA 6" Round Flue Shutter Draft Control Damper	1,344.82	75.40
23 51 13 16-0006 EA 7" Round Flue Shutter Draft Control Damper	1,467.50	80.78
23 51 13 16-0007 EA 8" Round Flue Shutter Draft Control Damper	1,559.52	86.98
23 51 13 16-0008 EA 10" Round Flue Shutter Draft Control Damper	1,723.30	94.30

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0009	EA		12" Round Flue Shutter Draft Control Damper.....	1,891.95	102.84
23 51 13 16-0010	EA		14" Round Flue Shutter Draft Control Damper.....	2,114.29	107.83
23 51 13 16-0011	EA		16" Round Flue Shutter Draft Control Damper.....	2,269.99	113.13
23 51 13 16-0012	EA		18" Round Flue Shutter Draft Control Damper.....	2,477.68	118.79
23 51 13 16-0013	EA		20" Round Flue Shutter Draft Control Damper.....	2,956.58	188.08
23 51 13 16-0014	EA		22" Round Flue Shutter Draft Control Damper.....	3,238.92	199.75
23 51 13 16-0015	EA		24" Round Flue Shutter Draft Control Damper.....	3,507.43	212.12
23 51 13 16-0016	EA		26" Round Flue Shutter Draft Control Damper.....	3,569.01	219.20
23 51 13 16-0017	EA		28" Round Flue Shutter Draft Control Damper.....	3,681.50	226.27
23 51 13 16-0018	EA		30" Round Flue Shutter Draft Control Damper.....	3,788.60	240.41
23 51 13 16-0019	EA		32" Round Flue Shutter Draft Control Damper.....	3,951.76	247.32
23 51 13 16-0020	EA		34" Round Flue Shutter Draft Control Damper.....	4,125.58	261.45
23 51 13 16-0021	EA		36" Round Flue Shutter Draft Control Damper.....	4,328.52	282.83
23 51 13 16-0022	EA		38" Round Flue Shutter Draft Control Damper.....	4,544.98	292.55
23 51 13 16-0023	EA		40" Round Flue Shutter Draft Control Damper.....	4,742.10	296.97
23 51 13 16-0024	EA		42" Round Flue Shutter Draft Control Damper.....	4,974.78	311.11
23 51 13 16-0025	EA		44" Round Flue Shutter Draft Control Damper.....	5,208.74	325.25
23 51 13 16-0026	EA		46" Round Flue Shutter Draft Control Damper.....	5,443.33	339.39
23 51 13 16-0027	EA		48" Round Flue Shutter Draft Control Damper.....	5,676.97	353.53

23 51 13 19 Barometric Dampers (23 51 13)**23 51 13 19-0001 Barometric Dampers (23 51 13 19)**

23 51 13 19-0002	EA		6" x 6" Barometric Damper	469.63	12.28
23 51 13 19-0003	EA		12" x 12" Barometric Damper	678.62	16.87
23 51 13 19-0004	EA		18" x 18" Barometric Damper	912.40	26.08
23 51 13 19-0005	EA		24" x 24" Barometric Damper	1,105.22	49.09
23 51 13 19-0006	EA		6" Diameter Barometric Damper	234.93	12.28
			<i>For Stainless Steel, Add</i>	243.52	
23 51 13 19-0007	EA		7" Diameter Barometric Damper	277.77	13.80
			<i>For Stainless Steel, Add</i>	289.30	
23 51 13 19-0008	EA		8" Diameter Barometric Damper	322.30	15.34
			<i>For Stainless Steel, Add</i>	335.50	
23 51 13 19-0009	EA		9" Diameter Barometric Damper	394.41	15.34
			<i>For Stainless Steel, Add</i>	425.00	
23 51 13 19-0010	EA		10" Diameter Barometric Damper	516.20	18.41
			<i>For Stainless Steel, Add</i>	579.02	
23 51 13 19-0011	EA		12" Diameter Barometric Damper	653.34	19.94
			<i>For Stainless Steel, Add</i>	746.77	
23 51 13 19-0012	EA		14" Diameter Barometric Damper	818.91	21.48
			<i>For Stainless Steel, Add</i>	952.41	
23 51 13 19-0013	EA		15" Diameter Barometric Damper	975.76	23.01
			<i>For Stainless Steel, Add</i>	1,144.72	
23 51 13 19-0014	EA		16" Diameter Barometric Damper	1,130.42	26.08
			<i>For Stainless Steel, Add</i>	1,336.61	
23 51 13 19-0015	EA		18" Diameter Barometric Damper	1,484.11	27.61
			<i>For Stainless Steel, Add</i>	1,785.76	
23 51 13 19-0016	EA		20" Diameter Barometric Damper	1,764.28	30.68
			<i>For Stainless Steel, Add</i>	2,137.50	
23 51 13 19-0017	EA		24" Diameter Barometric Damper	2,123.56	30.68
			<i>For Stainless Steel, Add</i>	2,597.47	
23 51 13 19-0018	EA		30" Diameter Barometric Damper	2,614.81	35.28
			<i>For Stainless Steel, Add</i>	3,219.78	
23 51 13 19-0019	EA		36" Diameter Barometric Damper	3,329.72	36.82
			<i>For Stainless Steel, Add</i>	4,139.71	

23 51 16 Fabricated Breechings and Accessories (23 51)**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)****23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)**

23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	37.86	12.58
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.36	
			<i>For 304 Stainless Steel Liner, Add</i>	0.49	
			<i>For 2" Wall Instead Of 1", Add</i>	5.08	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.19	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	40.37	13.30
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.44	
			<i>For 304 Stainless Steel Liner, Add</i>	0.59	
			<i>For 2" Wall Instead Of 1", Add</i>	5.62	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.06	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	44.39	14.14
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.52	
			<i>For 304 Stainless Steel Liner, Add</i>	0.71	
			<i>For 2" Wall Instead Of 1", Add</i>	6.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0006 LF 6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	48.21	15.14
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	0.60	
For 304 Stainless Steel Liner, Add	0.82	
For 2" Wall Instead Of 1", Add	7.01	
For 3" To 4" Wall Instead Of 1", Add	12.37	
23 51 16 00-0007 LF 7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	55.63	16.12
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	0.88	
For 304 Stainless Steel Liner, Add	1.21	
For 2" Wall Instead Of 1", Add	8.78	
For 3" To 4" Wall Instead Of 1", Add	15.15	
23 51 16 00-0008 LF 8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	61.82	17.40
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	0.99	
For 304 Stainless Steel Liner, Add	1.34	
For 2" Wall Instead Of 1", Add	9.76	
For 3" To 4" Wall Instead Of 1", Add	16.84	
23 51 16 00-0009 LF 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	85.29	18.67
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	2.08	
For 304 Stainless Steel Liner, Add	2.84	
For 2" Wall Instead Of 1", Add	16.09	
For 3" To 4" Wall Instead Of 1", Add	26.51	
23 51 16 00-0010 LF 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	102.22	20.65
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	2.79	
For 304 Stainless Steel Liner, Add	3.81	
For 2" Wall Instead Of 1", Add	20.37	
For 3" To 4" Wall Instead Of 1", Add	33.13	
23 51 16 00-0011 LF 14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	139.10	21.49
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	4.69	
For 304 Stainless Steel Liner, Add	6.39	
For 2" Wall Instead Of 1", Add	30.95	
For 3" To 4" Wall Instead Of 1", Add	49.13	
23 51 16 00-0012 LF 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	171.21	22.63
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	6.32	
For 304 Stainless Steel Liner, Add	8.62	
For 2" Wall Instead Of 1", Add	40.10	
For 3" To 4" Wall Instead Of 1", Add	62.97	
23 51 16 00-0013 LF 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	208.43	23.76
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	8.16	
For 304 Stainless Steel Liner, Add	11.13	
For 2" Wall Instead Of 1", Add	50.53	
For 3" To 4" Wall Instead Of 1", Add	78.79	
23 51 16 00-0014 LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	269.34	37.75
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	9.69	
For 304 Stainless Steel Liner, Add	13.21	
For 2" Wall Instead Of 1", Add	62.17	
For 3" To 4" Wall Instead Of 1", Add	97.91	
23 51 16 00-0015 LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	322.78	39.88
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	12.22	
For 304 Stainless Steel Liner, Add	16.66	
For 2" Wall Instead Of 1", Add	76.71	
For 3" To 4" Wall Instead Of 1", Add	120.09	
23 51 16 00-0016 LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	380.77	42.42
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	15.06	
For 304 Stainless Steel Liner, Add	20.54	
For 2" Wall Instead Of 1", Add	92.85	
For 3" To 4" Wall Instead Of 1", Add	144.62	
23 51 16 00-0017 LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	438.84	43.84
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	18.12	
For 304 Stainless Steel Liner, Add	24.70	
For 2" Wall Instead Of 1", Add	109.76	
For 3" To 4" Wall Instead Of 1", Add	170.12	
23 51 16 00-0018 LF 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	459.71	45.26
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	19.06	
For 304 Stainless Steel Liner, Add	26.00	
For 2" Wall Instead Of 1", Add	115.30	
For 3" To 4" Wall Instead Of 1", Add	178.60	
23 51 16 00-0019 LF 30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	488.77	48.51
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	20.22	
For 304 Stainless Steel Liner, Add	27.58	
For 2" Wall Instead Of 1", Add	122.42	
For 3" To 4" Wall Instead Of 1", Add	189.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	550.73	50.35
			<i>For Aluminum Liner, Add</i>	23.38	
			<i>For 304 Stainless Steel Liner, Add</i>	31.89	
			<i>For 2" Wall Instead Of 1", Add</i>	140.10	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	216.43	
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	614.92	52.18
			<i>For Aluminum Liner, Add</i>	26.65	
			<i>For 304 Stainless Steel Liner, Add</i>	36.34	
			<i>For 2" Wall Instead Of 1", Add</i>	158.39	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	244.11	
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	646.93	54.30
			<i>For Aluminum Liner, Add</i>	28.12	
			<i>For 304 Stainless Steel Liner, Add</i>	38.35	
			<i>For 2" Wall Instead Of 1", Add</i>	166.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	257.22	
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	700.43	56.56
			<i>For Aluminum Liner, Add</i>	30.76	
			<i>For 304 Stainless Steel Liner, Add</i>	41.94	
			<i>For 2" Wall Instead Of 1", Add</i>	181.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	279.88	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	769.88	58.97
			<i>For Aluminum Liner, Add</i>	34.23	
			<i>For 304 Stainless Steel Liner, Add</i>	46.68	
			<i>For 2" Wall Instead Of 1", Add</i>	201.47	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	309.57	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	805.44	61.66
			<i>For Aluminum Liner, Add</i>	35.81	
			<i>For 304 Stainless Steel Liner, Add</i>	48.83	
			<i>For 2" Wall Instead Of 1", Add</i>	210.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	323.87	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	889.37	64.63
			<i>For Aluminum Liner, Add</i>	40.02	
			<i>For 304 Stainless Steel Liner, Add</i>	54.58	
			<i>For 2" Wall Instead Of 1", Add</i>	234.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	359.80	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	964.48	67.88
			<i>For Aluminum Liner, Add</i>	43.71	
			<i>For 304 Stainless Steel Liner, Add</i>	59.61	
			<i>For 2" Wall Instead Of 1", Add</i>	255.40	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	391.58	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,059.20	71.42
			<i>For Aluminum Liner, Add</i>	48.45	
			<i>For 304 Stainless Steel Liner, Add</i>	66.07	
			<i>For 2" Wall Instead Of 1", Add</i>	282.10	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	432.07	
23 51 16 00-0029	EA		90 Degree Elbows <small>(23 51 16 00-0001)</small>	92.02	25.17
			<i>For Aluminum Liner, Add</i>	1.63	
			<i>For 304 Stainless Steel Liner, Add</i>	2.23	
			<i>For 2" Wall Instead Of 1", Add</i>	15.14	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.82	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	101.33	26.58
			<i>For Aluminum Liner, Add</i>	1.93	
			<i>For 304 Stainless Steel Liner, Add</i>	2.63	
			<i>For 2" Wall Instead Of 1", Add</i>	17.14	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.02	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	112.19	28.28
			<i>For Aluminum Liner, Add</i>	2.30	
			<i>For 304 Stainless Steel Liner, Add</i>	3.14	
			<i>For 2" Wall Instead Of 1", Add</i>	19.58	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.89	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	123.40	30.12
			<i>For Aluminum Liner, Add</i>	2.67	
			<i>For 304 Stainless Steel Liner, Add</i>	3.64	
			<i>For 2" Wall Instead Of 1", Add</i>	22.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	36.83	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	145.14	32.24
			<i>For Aluminum Liner, Add</i>	3.57	
			<i>For 304 Stainless Steel Liner, Add</i>	4.87	
			<i>For 2" Wall Instead Of 1", Add</i>	27.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	45.28	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	168.37	34.79
			<i>For Aluminum Liner, Add</i>	4.48	
			<i>For 304 Stainless Steel Liner, Add</i>	6.10	
			<i>For 2" Wall Instead Of 1", Add</i>	33.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	54.02	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	281.76	37.75
			<i>For Aluminum Liner, Add</i>	10.30	
			<i>For 304 Stainless Steel Liner, Add</i>	14.04	
			<i>For 2" Wall Instead Of 1", Add</i>	65.62	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	103.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0037 EA 12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	338.84	41.15
<i>For Aluminum Liner, Add</i>	12.98	
<i>For 304 Stainless Steel Liner, Add</i>	17.70	
<i>For 2" Wall Instead Of 1", Add</i>	81.09	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	126.78	
23 51 16 00-0038 EA 14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	434.12	43.14
<i>For Aluminum Liner, Add</i>	17.95	
<i>For 304 Stainless Steel Liner, Add</i>	24.48	
<i>For 2" Wall Instead Of 1", Add</i>	108.69	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	168.42	
23 51 16 00-0039 EA 16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	529.62	45.26
<i>For Aluminum Liner, Add</i>	22.92	
<i>For 304 Stainless Steel Liner, Add</i>	31.25	
<i>For 2" Wall Instead Of 1", Add</i>	136.30	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	210.10	
23 51 16 00-0040 EA 18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	679.16	47.66
<i>For Aluminum Liner, Add</i>	30.80	
<i>For 304 Stainless Steel Liner, Add</i>	42.00	
<i>For 2" Wall Instead Of 1", Add</i>	179.91	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	275.82	
23 51 16 00-0041 EA 20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	961.85	75.37
<i>For Aluminum Liner, Add</i>	42.53	
<i>For 304 Stainless Steel Liner, Add</i>	57.99	
<i>For 2" Wall Instead Of 1", Add</i>	250.83	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	385.67	
23 51 16 00-0042 EA 22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,257.80	79.89
<i>For Aluminum Liner, Add</i>	58.19	
<i>For 304 Stainless Steel Liner, Add</i>	79.35	
<i>For 2" Wall Instead Of 1", Add</i>	337.39	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	516.08	
23 51 16 00-0043 EA 24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,416.91	84.85
<i>For Aluminum Liner, Add</i>	66.25	
<i>For 304 Stainless Steel Liner, Add</i>	90.34	
<i>For 2" Wall Instead Of 1", Add</i>	382.61	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	584.52	
23 51 16 00-0044 45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045 EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	79.88	25.17
<i>For Aluminum Liner, Add</i>	0.94	
<i>For 304 Stainless Steel Liner, Add</i>	1.28	
<i>For 2" Wall Instead Of 1", Add</i>	11.41	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.25	
23 51 16 00-0046 EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	86.75	26.58
<i>For Aluminum Liner, Add</i>	1.11	
<i>For 304 Stainless Steel Liner, Add</i>	1.51	
<i>For 2" Wall Instead Of 1", Add</i>	12.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.39	
23 51 16 00-0047 EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	94.42	28.28
<i>For Aluminum Liner, Add</i>	1.30	
<i>For 304 Stainless Steel Liner, Add</i>	1.78	
<i>For 2" Wall Instead Of 1", Add</i>	14.18	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.81	
23 51 16 00-0048 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	103.78	30.12
<i>For Aluminum Liner, Add</i>	1.56	
<i>For 304 Stainless Steel Liner, Add</i>	2.13	
<i>For 2" Wall Instead Of 1", Add</i>	16.05	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.85	
23 51 16 00-0049 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	121.46	32.24
<i>For Aluminum Liner, Add</i>	2.24	
<i>For 304 Stainless Steel Liner, Add</i>	3.05	
<i>For 2" Wall Instead Of 1", Add</i>	20.28	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.46	
23 51 16 00-0050 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	133.78	34.79
<i>For Aluminum Liner, Add</i>	2.57	
<i>For 304 Stainless Steel Liner, Add</i>	3.51	
<i>For 2" Wall Instead Of 1", Add</i>	22.74	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	38.46	
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	211.30	37.75
<i>For Aluminum Liner, Add</i>	6.44	
<i>For 304 Stainless Steel Liner, Add</i>	8.78	
<i>For 2" Wall Instead Of 1", Add</i>	44.53	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	71.51	
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	250.36	41.15
<i>For Aluminum Liner, Add</i>	8.11	
<i>For 304 Stainless Steel Liner, Add</i>	11.06	
<i>For 2" Wall Instead Of 1", Add</i>	54.54	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	86.95	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	315.32	43.14
<i>For Aluminum Liner, Add</i>	11.41	
<i>For 304 Stainless Steel Liner, Add</i>	15.57	
<i>For 2" Wall Instead Of 1", Add</i>	73.04	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	114.95	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0054	EA		16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	373.54	45.26
			<i>For Aluminum Liner, Add</i>	14.32	
			<i>For 304 Stainless Steel Liner, Add</i>	19.53	
			<i>For 2" Wall Instead Of 1", Add</i>	89.44	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	139.82	
23 51 16 00-0055	EA		18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	469.06	47.66
			<i>For Aluminum Liner, Add</i>	19.25	
			<i>For 304 Stainless Steel Liner, Add</i>	26.25	
			<i>For 2" Wall Instead Of 1", Add</i>	116.90	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	181.31	
23 51 16 00-0056	EA		20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	582.79	75.23
			<i>For Aluminum Liner, Add</i>	21.71	
			<i>For 304 Stainless Steel Liner, Add</i>	29.61	
			<i>For 2" Wall Instead Of 1", Add</i>	137.23	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	215.24	
23 51 16 00-0057	EA		22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	793.88	79.89
			<i>For Aluminum Liner, Add</i>	32.68	
			<i>For 304 Stainless Steel Liner, Add</i>	44.56	
			<i>For 2" Wall Instead Of 1", Add</i>	198.22	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	307.31	
23 51 16 00-0058	EA		24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	964.84	84.85
			<i>For Aluminum Liner, Add</i>	41.41	
			<i>For 304 Stainless Steel Liner, Add</i>	56.46	
			<i>For 2" Wall Instead Of 1", Add</i>	247.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	381.18	
23 51 16 00-0059	EA		26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,704.42	87.68
			<i>For Aluminum Liner, Add</i>	81.69	
			<i>For 304 Stainless Steel Liner, Add</i>	111.40	
			<i>For 2" Wall Instead Of 1", Add</i>	467.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	712.22	
23 51 16 00-0060	EA		28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,752.17	90.51
			<i>For Aluminum Liner, Add</i>	83.93	
			<i>For 304 Stainless Steel Liner, Add</i>	114.45	
			<i>For 2" Wall Instead Of 1", Add</i>	480.43	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	731.95	
23 51 16 00-0061	EA		30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,847.70	96.16
			<i>For Aluminum Liner, Add</i>	88.41	
			<i>For 304 Stainless Steel Liner, Add</i>	120.56	
			<i>For 2" Wall Instead Of 1", Add</i>	506.26	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	771.40	
23 51 16 00-0062	EA		32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,058.24	98.99
			<i>For Aluminum Liner, Add</i>	99.60	
			<i>For 304 Stainless Steel Liner, Add</i>	135.82	
			<i>For 2" Wall Instead Of 1", Add</i>	568.01	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	864.38	
23 51 16 00-0063	EA		34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,245.32	104.65
			<i>For Aluminum Liner, Add</i>	109.11	
			<i>For 304 Stainless Steel Liner, Add</i>	148.79	
			<i>For 2" Wall Instead Of 1", Add</i>	621.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	945.03	
23 51 16 00-0064	EA		36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,317.39	113.13
			<i>For Aluminum Liner, Add</i>	111.91	
			<i>For 304 Stainless Steel Liner, Add</i>	152.61	
			<i>For 2" Wall Instead Of 1", Add</i>	638.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	972.16	
23 51 16 00-0065	EA		38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,479.89	117.09
			<i>For Aluminum Liner, Add</i>	120.30	
			<i>For 304 Stainless Steel Liner, Add</i>	164.05	
			<i>For 2" Wall Instead Of 1", Add</i>	685.46	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,042.81	
23 51 16 00-0066	EA		40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,636.74	118.79
			<i>For Aluminum Liner, Add</i>	128.70	
			<i>For 304 Stainless Steel Liner, Add</i>	175.50	
			<i>For 2" Wall Instead Of 1", Add</i>	731.66	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,112.34	
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,752.60	124.45
			<i>For Aluminum Liner, Add</i>	134.29	
			<i>For 304 Stainless Steel Liner, Add</i>	183.13	
			<i>For 2" Wall Instead Of 1", Add</i>	763.60	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,160.94	
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,919.32	130.10
			<i>For Aluminum Liner, Add</i>	142.69	
			<i>For 304 Stainless Steel Liner, Add</i>	194.57	
			<i>For 2" Wall Instead Of 1", Add</i>	810.79	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,232.44	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,136.93	135.76
			<i>For Aluminum Liner, Add</i>	153.88	
			<i>For 304 Stainless Steel Liner, Add</i>	209.83	
			<i>For 2" Wall Instead Of 1", Add</i>	873.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,326.83	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,252.79	141.41
			<i>For Aluminum Liner, Add</i>	159.47	
			<i>For 304 Stainless Steel Liner, Add</i>	217.46	
			<i>For 2" Wall Instead Of 1", Add</i>	905.18	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,375.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0071 Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072 EA 3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	125.63	33.51
For Aluminum Liner, Add	2.29	
For 304 Stainless Steel Liner, Add	3.13	
For 2" Wall Instead Of 1", Add	20.91	
For 3" To 4" Wall Instead Of 1", Add	35.55	
23 51 16 00-0073 EA 4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	130.73	34.79
For Aluminum Liner, Add	2.41	
For 304 Stainless Steel Liner, Add	3.28	
For 2" Wall Instead Of 1", Add	21.82	
For 3" To 4" Wall Instead Of 1", Add	37.08	
23 51 16 00-0074 EA 5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	136.30	36.21
For Aluminum Liner, Add	2.52	
For 304 Stainless Steel Liner, Add	3.43	
For 2" Wall Instead Of 1", Add	22.79	
For 3" To 4" Wall Instead Of 1", Add	38.71	
23 51 16 00-0075 EA 6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	145.20	37.75
For Aluminum Liner, Add	2.80	
For 304 Stainless Steel Liner, Add	3.82	
For 2" Wall Instead Of 1", Add	24.69	
For 3" To 4" Wall Instead Of 1", Add	41.76	
23 51 16 00-0076 EA 7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	168.62	39.31
For Aluminum Liner, Add	3.86	
For 304 Stainless Steel Liner, Add	5.27	
For 2" Wall Instead Of 1", Add	30.90	
For 3" To 4" Wall Instead Of 1", Add	51.27	
23 51 16 00-0077 EA 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	180.13	41.15
For Aluminum Liner, Add	4.25	
For 304 Stainless Steel Liner, Add	5.80	
For 2" Wall Instead Of 1", Add	33.48	
For 3" To 4" Wall Instead Of 1", Add	55.36	
23 51 16 00-0078 EA 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	317.33	43.14
For Aluminum Liner, Add	11.53	
For 304 Stainless Steel Liner, Add	15.72	
For 2" Wall Instead Of 1", Add	73.65	
For 3" To 4" Wall Instead Of 1", Add	115.86	
23 51 16 00-0079 EA 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	365.40	45.26
For Aluminum Liner, Add	13.88	
For 304 Stainless Steel Liner, Add	18.92	
For 2" Wall Instead Of 1", Add	87.00	
For 3" To 4" Wall Instead Of 1", Add	136.16	
23 51 16 00-0080 EA 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	536.70	50.35
For Aluminum Liner, Add	22.61	
For 304 Stainless Steel Liner, Add	30.83	
For 2" Wall Instead Of 1", Add	135.87	
For 3" To 4" Wall Instead Of 1", Add	210.10	
23 51 16 00-0081 EA 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	723.29	56.56
For Aluminum Liner, Add	32.01	
For 304 Stainless Steel Liner, Add	43.65	
For 2" Wall Instead Of 1", Add	188.72	
For 3" To 4" Wall Instead Of 1", Add	290.14	
23 51 16 00-0082 EA 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	894.09	64.63
For Aluminum Liner, Add	40.29	
For 304 Stainless Steel Liner, Add	54.94	
For 2" Wall Instead Of 1", Add	235.91	
For 3" To 4" Wall Instead Of 1", Add	361.95	
23 51 16 00-0083 EA 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,186.37	79.89
For Aluminum Liner, Add	54.28	
For 304 Stainless Steel Liner, Add	74.01	
For 2" Wall Instead Of 1", Add	316.01	
For 3" To 4" Wall Instead Of 1", Add	483.99	
23 51 16 00-0084 EA 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,491.94	104.36
For Aluminum Liner, Add	67.71	
For 304 Stainless Steel Liner, Add	92.33	
For 2" Wall Instead Of 1", Add	395.40	
For 3" To 4" Wall Instead Of 1", Add	606.14	
23 51 16 00-0085 EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,710.26	110.31
For Aluminum Liner, Add	78.90	
For 304 Stainless Steel Liner, Add	107.59	
For 2" Wall Instead Of 1", Add	457.92	
For 3" To 4" Wall Instead Of 1", Add	700.67	
23 51 16 00-0086 EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,331.83	118.79
For Aluminum Liner, Add	111.91	
For 304 Stainless Steel Liner, Add	152.61	
For 2" Wall Instead Of 1", Add	640.13	
For 3" To 4" Wall Instead Of 1", Add	975.05	
23 51 16 00-0087 EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,597.58	123.45
For Aluminum Liner, Add	125.90	
For 304 Stainless Steel Liner, Add	171.68	
For 2" Wall Instead Of 1", Add	717.57	
For 3" To 4" Wall Instead Of 1", Add	1,091.79	
23 51 16 00-0088 EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,817.80	130.10
For Aluminum Liner, Add	137.09	
For 304 Stainless Steel Liner, Add	186.94	
For 2" Wall Instead Of 1", Add	780.29	
For 3" To 4" Wall Instead Of 1", Add	1,186.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,238.79	135.76
			<i>For Aluminum Liner, Add</i>	159.47	
			<i>For 304 Stainless Steel Liner, Add</i>	217.46	
			<i>For 2" Wall Instead Of 1", Add</i>	903.78	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,372.63	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,303.90	141.41
			<i>For Aluminum Liner, Add</i>	162.27	
			<i>For 304 Stainless Steel Liner, Add</i>	221.28	
			<i>For 2" Wall Instead Of 1", Add</i>	920.46	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,398.37	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,836.37	150.89
			<i>For Aluminum Liner, Add</i>	190.25	
			<i>For 304 Stainless Steel Liner, Add</i>	259.43	
			<i>For 2" Wall Instead Of 1", Add</i>	1,075.45	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,632.04	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,934.34	169.70
			<i>For Aluminum Liner, Add</i>	193.05	
			<i>For 304 Stainless Steel Liner, Add</i>	263.24	
			<i>For 2" Wall Instead Of 1", Add</i>	1,095.42	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,664.35	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,300.10	194.02
			<i>For Aluminum Liner, Add</i>	209.83	
			<i>For 304 Stainless Steel Liner, Add</i>	286.14	
			<i>For 2" Wall Instead Of 1", Add</i>	1,193.04	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,813.81	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,736.88	226.27
			<i>For Aluminum Liner, Add</i>	229.42	
			<i>For 304 Stainless Steel Liner, Add</i>	312.84	
			<i>For 2" Wall Instead Of 1", Add</i>	1,307.93	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,990.18	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,163.15	254.55
			<i>For Aluminum Liner, Add</i>	249.00	
			<i>For 304 Stainless Steel Liner, Add</i>	339.55	
			<i>For 2" Wall Instead Of 1", Add</i>	1,421.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,164.45	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,642.24	263.03
			<i>For Aluminum Liner, Add</i>	274.18	
			<i>For 304 Stainless Steel Liner, Add</i>	373.88	
			<i>For 2" Wall Instead Of 1", Add</i>	1,561.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,374.73	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,968.89	271.52
			<i>For Aluminum Liner, Add</i>	290.97	
			<i>For 304 Stainless Steel Liner, Add</i>	396.77	
			<i>For 2" Wall Instead Of 1", Add</i>	1,654.95	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,516.36	
23 51 16 00-0098			Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	64.96	19.65
			<i>For Aluminum Liner, Add</i>	0.87	
			<i>For 304 Stainless Steel Liner, Add</i>	1.18	
			<i>For 2" Wall Instead Of 1", Add</i>	9.65	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.93	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	68.05	20.65
			<i>For Aluminum Liner, Add</i>	0.91	
			<i>For 304 Stainless Steel Liner, Add</i>	1.24	
			<i>For 2" Wall Instead Of 1", Add</i>	10.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.76	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	85.35	22.63
			<i>For Aluminum Liner, Add</i>	1.58	
			<i>For 304 Stainless Steel Liner, Add</i>	2.16	
			<i>For 2" Wall Instead Of 1", Add</i>	14.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.27	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	91.58	25.17
			<i>For Aluminum Liner, Add</i>	1.58	
			<i>For 304 Stainless Steel Liner, Add</i>	2.16	
			<i>For 2" Wall Instead Of 1", Add</i>	14.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.51	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	108.89	26.58
			<i>For Aluminum Liner, Add</i>	2.33	
			<i>For 304 Stainless Steel Liner, Add</i>	3.18	
			<i>For 2" Wall Instead Of 1", Add</i>	19.37	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.38	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	126.66	28.28
			<i>For Aluminum Liner, Add</i>	3.08	
			<i>For 304 Stainless Steel Liner, Add</i>	4.20	
			<i>For 2" Wall Instead Of 1", Add</i>	23.86	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.32	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	277.10	32.24
			<i>For Aluminum Liner, Add</i>	10.80	
			<i>For 304 Stainless Steel Liner, Add</i>	14.73	
			<i>For 2" Wall Instead Of 1", Add</i>	66.98	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	104.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0106 EA 18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	503.86	40.44
<i>For Aluminum Liner, Add</i>	22.16	
<i>For 304 Stainless Steel Liner, Add</i>	30.22	
<i>For 2" Wall Instead Of 1", Add</i>	130.96	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	201.49	
23 51 16 00-0107 EA 20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	914.75	48.51
<i>For Aluminum Liner, Add</i>	43.65	
<i>For 304 Stainless Steel Liner, Add</i>	59.52	
<i>For 2" Wall Instead Of 1", Add</i>	250.19	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	381.34	
23 51 16 00-0108 EA 24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,512.66	67.88
<i>For Aluminum Liner, Add</i>	73.86	
<i>For 304 Stainless Steel Liner, Add</i>	100.72	
<i>For 2" Wall Instead Of 1", Add</i>	419.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	638.26	
23 51 16 00-0109 EA 26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,213.30	71.42
<i>For Aluminum Liner, Add</i>	111.91	
<i>For 304 Stainless Steel Liner, Add</i>	152.61	
<i>For 2" Wall Instead Of 1", Add</i>	628.28	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	951.35	
23 51 16 00-0110 EA 28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,477.63	75.37
<i>For Aluminum Liner, Add</i>	125.90	
<i>For 304 Stainless Steel Liner, Add</i>	171.68	
<i>For 2" Wall Instead Of 1", Add</i>	705.58	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,067.80	
23 51 16 00-0111 EA 30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,794.03	79.89
<i>For Aluminum Liner, Add</i>	142.69	
<i>For 304 Stainless Steel Liner, Add</i>	194.57	
<i>For 2" Wall Instead Of 1", Add</i>	798.26	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,207.38	
23 51 16 00-0112 EA 32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,959.11	84.85
<i>For Aluminum Liner, Add</i>	151.08	
<i>For 304 Stainless Steel Liner, Add</i>	206.02	
<i>For 2" Wall Instead Of 1", Add</i>	845.29	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,278.55	
23 51 16 00-0113 EA 34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,125.84	90.51
<i>For Aluminum Liner, Add</i>	159.47	
<i>For 304 Stainless Steel Liner, Add</i>	217.46	
<i>For 2" Wall Instead Of 1", Add</i>	892.48	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,350.04	
23 51 16 00-0114 EA 36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,345.30	97.01
<i>For Aluminum Liner, Add</i>	170.66	
<i>For 304 Stainless Steel Liner, Add</i>	232.72	
<i>For 2" Wall Instead Of 1", Add</i>	955.13	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,444.81	
23 51 16 00-0115 Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	28.24	10.61
<i>For Aluminum Liner, Add</i>	0.10	
<i>For 304 Stainless Steel Liner, Add</i>	0.14	
<i>For 2" Wall Instead Of 1", Add</i>	3.19	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.10	
23 51 16 00-0117 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	35.93	13.58
<i>For Aluminum Liner, Add</i>	0.10	
<i>For 304 Stainless Steel Liner, Add</i>	0.14	
<i>For 2" Wall Instead Of 1", Add</i>	3.97	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.65	
23 51 16 00-0118 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	47.90	18.24
<i>For Aluminum Liner, Add</i>	0.13	
<i>For 304 Stainless Steel Liner, Add</i>	0.17	
<i>For 2" Wall Instead Of 1", Add</i>	5.25	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.15	
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	59.80	22.63
<i>For Aluminum Liner, Add</i>	0.18	
<i>For 304 Stainless Steel Liner, Add</i>	0.24	
<i>For 2" Wall Instead Of 1", Add</i>	6.63	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.77	
23 51 16 00-0120 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	84.70	30.54
<i>For Aluminum Liner, Add</i>	0.46	
<i>For 304 Stainless Steel Liner, Add</i>	0.63	
<i>For 2" Wall Instead Of 1", Add</i>	10.14	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.03	
23 51 16 00-0121 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	106.55	37.90
<i>For Aluminum Liner, Add</i>	0.65	
<i>For 304 Stainless Steel Liner, Add</i>	0.89	
<i>For 2" Wall Instead Of 1", Add</i>	13.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.26	
23 51 16 00-0122 EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	133.13	45.26
<i>For Aluminum Liner, Add</i>	1.10	
<i>For 304 Stainless Steel Liner, Add</i>	1.50	
<i>For 2" Wall Instead Of 1", Add</i>	17.31	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	31.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	170.14		53.74
		<i>For Aluminum Liner, Add</i>	1.97		
		<i>For 304 Stainless Steel Liner, Add</i>	2.69		
		<i>For 2" Wall Instead Of 1", Add</i>	24.17		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.98		
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	220.48		59.40
		<i>For Aluminum Liner, Add</i>	3.96		
		<i>For 304 Stainless Steel Liner, Add</i>	5.40		
		<i>For 2" Wall Instead Of 1", Add</i>	36.45		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	62.09		
23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)					
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	74.50		25.17
		<i>For Aluminum Liner, Add</i>	0.64		
		<i>For 304 Stainless Steel Liner, Add</i>	0.88		
		<i>For 2" Wall Instead Of 1", Add</i>	9.79		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.83		
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	81.65		26.58
		<i>For Aluminum Liner, Add</i>	0.83		
		<i>For 304 Stainless Steel Liner, Add</i>	1.13		
		<i>For 2" Wall Instead Of 1", Add</i>	11.18		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.10		
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	100.60		30.12
		<i>For Aluminum Liner, Add</i>	1.39		
		<i>For 304 Stainless Steel Liner, Add</i>	1.89		
		<i>For 2" Wall Instead Of 1", Add</i>	15.11		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.43		
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	121.47		34.79
		<i>For Aluminum Liner, Add</i>	1.90		
		<i>For 304 Stainless Steel Liner, Add</i>	2.59		
		<i>For 2" Wall Instead Of 1", Add</i>	19.05		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.92		
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	188.95		37.75
		<i>For Aluminum Liner, Add</i>	5.20		
		<i>For 304 Stainless Steel Liner, Add</i>	7.10		
		<i>For 2" Wall Instead Of 1", Add</i>	37.82		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	61.45		
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	222.86		41.15
		<i>For Aluminum Liner, Add</i>	6.60		
		<i>For 304 Stainless Steel Liner, Add</i>	9.00		
		<i>For 2" Wall Instead Of 1", Add</i>	46.30		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	74.58		
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	260.65		45.26
		<i>For Aluminum Liner, Add</i>	8.11		
		<i>For 304 Stainless Steel Liner, Add</i>	11.06		
		<i>For 2" Wall Instead Of 1", Add</i>	55.57		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	89.01		
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	308.99		50.35
		<i>For Aluminum Liner, Add</i>	10.07		
		<i>For 304 Stainless Steel Liner, Add</i>	13.73		
		<i>For 2" Wall Instead Of 1", Add</i>	67.53		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	107.58		
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	456.86		56.56
		<i>For Aluminum Liner, Add</i>	17.35		
		<i>For 304 Stainless Steel Liner, Add</i>	23.65		
		<i>For 2" Wall Instead Of 1", Add</i>	108.76		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	170.22		
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	510.04		75.37
		<i>For Aluminum Liner, Add</i>	17.68		
		<i>For 304 Stainless Steel Liner, Add</i>	24.11		
		<i>For 2" Wall Instead Of 1", Add</i>	115.30		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	182.38		
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	649.43		97.01
		<i>For Aluminum Liner, Add</i>	22.38		
		<i>For 304 Stainless Steel Liner, Add</i>	30.52		
		<i>For 2" Wall Instead Of 1", Add</i>	146.33		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	231.62		
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	771.17		113.13
		<i>For Aluminum Liner, Add</i>	26.86		
		<i>For 304 Stainless Steel Liner, Add</i>	36.63		
		<i>For 2" Wall Instead Of 1", Add</i>	174.79		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	276.32		
23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)					
23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	29.81		10.61
		<i>For Aluminum Liner, Add</i>	0.19		
		<i>For 304 Stainless Steel Liner, Add</i>	0.25		
		<i>For 2" Wall Instead Of 1", Add</i>	3.66		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.81		
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	37.82		13.58
		<i>For Aluminum Liner, Add</i>	0.21		
		<i>For 304 Stainless Steel Liner, Add</i>	0.29		
		<i>For 2" Wall Instead Of 1", Add</i>	4.56		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.53		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0141 EA 5" Round Galvanized Storm Collar, Double Wall.....	44.42	15.84
<i>For Aluminum Liner, Add</i>	0.27	
<i>For 304 Stainless Steel Liner, Add</i>	0.36	
<i>For 2" Wall Instead Of 1", Add</i>	5.41	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.09	
23 51 16 00-0142 EA 6" Round Galvanized Storm Collar, Double Wall.....	51.05	18.10
<i>For Aluminum Liner, Add</i>	0.32	
<i>For 304 Stainless Steel Liner, Add</i>	0.43	
<i>For 2" Wall Instead Of 1", Add</i>	6.26	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.66	
23 51 16 00-0143 EA 7" Or 8" Round Galvanized Storm Collar, Double Wall.....	64.27	22.63
<i>For Aluminum Liner, Add</i>	0.42	
<i>For 304 Stainless Steel Liner, Add</i>	0.58	
<i>For 2" Wall Instead Of 1", Add</i>	7.97	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.78	
23 51 16 00-0144 EA 10" Round Galvanized Storm Collar, Double Wall.....	88.45	30.54
<i>For Aluminum Liner, Add</i>	0.66	
<i>For 304 Stainless Steel Liner, Add</i>	0.91	
<i>For 2" Wall Instead Of 1", Add</i>	11.26	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.71	
23 51 16 00-0145 EA 12" Round Galvanized Storm Collar, Double Wall.....	109.27	37.90
<i>For Aluminum Liner, Add</i>	0.80	
<i>For 304 Stainless Steel Liner, Add</i>	1.09	
<i>For 2" Wall Instead Of 1", Add</i>	13.83	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.48	
23 51 16 00-0146 EA 14" Or 16" Round Galvanized Storm Collar, Double Wall.....	137.75	45.26
<i>For Aluminum Liner, Add</i>	1.35	
<i>For 304 Stainless Steel Liner, Add</i>	1.85	
<i>For 2" Wall Instead Of 1", Add</i>	18.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.71	
23 51 16 00-0147 EA 18" Or 20" Round Galvanized Storm Collar, Double Wall.....	178.90	53.74
<i>For Aluminum Liner, Add</i>	2.45	
<i>For 304 Stainless Steel Liner, Add</i>	3.34	
<i>For 2" Wall Instead Of 1", Add</i>	26.80	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.92	
23 51 16 00-0148 EA 22" Or 24" Round Galvanized Storm Collar, Double Wall.....	242.40	59.40
<i>For Aluminum Liner, Add</i>	5.17	
<i>For 304 Stainless Steel Liner, Add</i>	7.04	
<i>For 2" Wall Instead Of 1", Add</i>	43.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	71.96	
23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151 LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	47.82	13.30
<i>For 2" Wall Instead Of 1", Add</i>	7.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.21	
23 51 16 00-0152 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	52.41	14.14
<i>For 2" Wall Instead Of 1", Add</i>	8.71	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.81	
23 51 16 00-0153 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	57.83	15.14
<i>For 2" Wall Instead Of 1", Add</i>	9.80	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.59	
23 51 16 00-0154 45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	103.93	27.58
<i>For 2" Wall Instead Of 1", Add</i>	17.38	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.52	
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	121.30	32.24
<i>For 2" Wall Instead Of 1", Add</i>	20.27	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.43	
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	143.42	36.49
<i>For 2" Wall Instead Of 1", Add</i>	24.78	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.73	
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	105.68	27.58
<i>For 2" Wall Instead Of 1", Add</i>	17.91	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.31	
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	125.55	32.24
<i>For 2" Wall Instead Of 1", Add</i>	21.54	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	36.35	
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	146.17	36.49
<i>For 2" Wall Instead Of 1", Add</i>	25.60	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.97	
23 51 16 00-0161 Tees (23 51 16 00-0149)		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	171.42	41.86
<i>For 2" Wall Instead Of 1", Add</i>	30.47	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	50.95	
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	174.17	41.86
<i>For 2" Wall Instead Of 1", Add</i>	31.30	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	52.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	200.10	48.08
For 2" Wall Instead Of 1", Add	35.99	
For 3" To 4" Wall Instead Of 1", Add	59.99	
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	228.30	53.88
For 2" Wall Instead Of 1", Add	41.55	
For 3" To 4" Wall Instead Of 1", Add	69.07	
23 51 16 00-0166 Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	64.28	13.58
For 2" Wall Instead Of 1", Add	12.47	
For 3" To 4" Wall Instead Of 1", Add	20.41	
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	98.67	18.24
For 2" Wall Instead Of 1", Add	20.48	
For 3" To 4" Wall Instead Of 1", Add	33.00	
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	53.54	13.58
For 2" Wall Instead Of 1", Add	9.25	
For 3" To 4" Wall Instead Of 1", Add	15.58	
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	88.56	18.24
For 2" Wall Instead Of 1", Add	17.44	
For 3" To 4" Wall Instead Of 1", Add	28.45	
23 51 16 00-0171 Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall	37.82	13.58
For 2" Wall Instead Of 1", Add	4.56	
For 3" To 4" Wall Instead Of 1", Add	8.53	
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall	44.42	15.84
For 2" Wall Instead Of 1", Add	5.41	
For 3" To 4" Wall Instead Of 1", Add	10.09	
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall	51.05	18.10
For 2" Wall Instead Of 1", Add	6.26	
For 3" To 4" Wall Instead Of 1", Add	11.66	
23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176 Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177 LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	117.84	15.14
For 316 Stainless Steel, Add	12.81	
For 2" Insulated Wall Instead Of 1" Thickness, Add	8.01	
For 3" Insulated Wall Instead Of 1" Thickness, Add	16.01	
23 51 16 00-0178 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	141.30	17.40
For 316 Stainless Steel, Add	15.64	
For 2" Insulated Wall Instead Of 1" Thickness, Add	9.77	
For 3" Insulated Wall Instead Of 1" Thickness, Add	19.55	
23 51 16 00-0179 LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	156.57	18.81
For 316 Stainless Steel, Add	17.52	
For 2" Insulated Wall Instead Of 1" Thickness, Add	10.95	
For 3" Insulated Wall Instead Of 1" Thickness, Add	21.90	
23 51 16 00-0180 LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	176.22	20.51
For 316 Stainless Steel, Add	19.97	
For 2" Insulated Wall Instead Of 1" Thickness, Add	12.48	
For 3" Insulated Wall Instead Of 1" Thickness, Add	24.96	
23 51 16 00-0181 LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	197.54	21.49
For 316 Stainless Steel, Add	22.98	
For 2" Insulated Wall Instead Of 1" Thickness, Add	14.37	
For 3" Insulated Wall Instead Of 1" Thickness, Add	28.73	
23 51 16 00-0182 LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	208.55	22.63
For 316 Stainless Steel, Add	24.30	
For 2" Insulated Wall Instead Of 1" Thickness, Add	15.19	
For 3" Insulated Wall Instead Of 1" Thickness, Add	30.38	
23 51 16 00-0183 LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	230.34	23.90
For 316 Stainless Steel, Add	27.32	
For 2" Insulated Wall Instead Of 1" Thickness, Add	17.07	
For 3" Insulated Wall Instead Of 1" Thickness, Add	34.15	
23 51 16 00-0184 LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	289.78	37.75
For 316 Stainless Steel, Add	31.27	
For 2" Insulated Wall Instead Of 1" Thickness, Add	19.55	
For 3" Insulated Wall Instead Of 1" Thickness, Add	39.09	
23 51 16 00-0185 LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	358.05	42.42
For 316 Stainless Steel, Add	40.32	
For 2" Insulated Wall Instead Of 1" Thickness, Add	25.20	
For 3" Insulated Wall Instead Of 1" Thickness, Add	50.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0186 LF 28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	402.73	45.26
<i>For 316 Stainless Steel, Add</i>	46.34	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.97	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.93	
23 51 16 00-0187 LF 32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	450.54	50.21
<i>For 316 Stainless Steel, Add</i>	52.00	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.50	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	64.99	
23 51 16 00-0188 LF 36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	500.59	54.30
<i>For 316 Stainless Steel, Add</i>	58.40	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.50	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	73.00	
23 51 16 00-0189 LF 42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	571.43	61.80
<i>For 316 Stainless Steel, Add</i>	66.69	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	41.68	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	83.36	
23 51 16 00-0190 LF 48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	668.71	71.56
<i>For 316 Stainless Steel, Add</i>	78.37	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	48.98	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	97.96	
23 51 16 00-0191 90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	532.57	31.25
<i>For 316 Stainless Steel, Add</i>	90.90	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.45	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.90	
23 51 16 00-0193 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	588.55	34.79
<i>For 316 Stainless Steel, Add</i>	100.32	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	50.16	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	100.32	
23 51 16 00-0194 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	668.96	37.75
<i>For 316 Stainless Steel, Add</i>	114.92	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	57.46	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	114.92	
23 51 16 00-0195 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	755.11	41.15
<i>For 316 Stainless Steel, Add</i>	130.46	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	65.23	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	130.46	
23 51 16 00-0196 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	873.09	43.14
<i>For 316 Stainless Steel, Add</i>	153.06	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	76.53	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	153.06	
23 51 16 00-0197 EA 16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	960.85	45.26
<i>For 316 Stainless Steel, Add</i>	169.55	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	84.77	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	169.55	
23 51 16 00-0198 EA 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,108.09	47.66
<i>For 316 Stainless Steel, Add</i>	197.81	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	98.90	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	197.81	
23 51 16 00-0199 EA 20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,295.34	75.37
<i>For 316 Stainless Steel, Add</i>	221.36	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	110.68	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	221.36	
23 51 16 00-0200 EA 24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,589.70	84.85
<i>For 316 Stainless Steel, Add</i>	275.52	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	137.76	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	275.52	
23 51 16 00-0201 EA 28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,921.76	90.51
<i>For 316 Stainless Steel, Add</i>	339.10	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	169.55	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	339.10	
23 51 16 00-0202 EA 32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,526.53	96.87
<i>For 316 Stainless Steel, Add</i>	456.84	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	228.42	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	456.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0203	EA		36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,873.16	113.13
			<i>For 316 Stainless Steel, Add</i>	518.07	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	259.03	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	518.07	
23 51 16 00-0204	EA		42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,193.96	123.45
			<i>For 316 Stainless Steel, Add</i>	777.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	388.55	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	777.10	
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,225.68	135.76
			<i>For 316 Stainless Steel, Add</i>	977.26	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	488.63	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	977.26	
23 51 16 00-0206			45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	360.32	30.12
			<i>For 316 Stainless Steel, Add</i>	56.99	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.49	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	56.99	
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	411.94	34.79
			<i>For 316 Stainless Steel, Add</i>	64.99	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	64.99	
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	456.99	37.75
			<i>For 316 Stainless Steel, Add</i>	72.53	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.27	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	72.53	
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	519.64	41.15
			<i>For 316 Stainless Steel, Add</i>	83.36	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	41.68	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	83.36	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	583.45	43.14
			<i>For 316 Stainless Steel, Add</i>	95.14	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	47.57	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	95.14	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	652.37	45.26
			<i>For 316 Stainless Steel, Add</i>	107.85	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	53.93	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	107.85	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	728.96	47.66
			<i>For 316 Stainless Steel, Add</i>	121.98	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	60.99	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	121.98	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	885.60	75.37
			<i>For 316 Stainless Steel, Add</i>	139.41	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.70	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	139.41	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,106.97	84.85
			<i>For 316 Stainless Steel, Add</i>	178.97	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	89.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	178.97	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,238.85	90.51
			<i>For 316 Stainless Steel, Add</i>	202.52	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	101.26	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	202.52	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,596.37	96.87
			<i>For 316 Stainless Steel, Add</i>	270.81	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	135.40	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	270.81	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,107.83	113.13
			<i>For 316 Stainless Steel, Add</i>	365.00	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	182.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	365.00	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,781.06	123.45
			<i>For 316 Stainless Steel, Add</i>	494.52	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	247.26	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	494.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0220 EA 48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,695.07	135.76
<i>For 316 Stainless Steel, Add</i>	671.13	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	335.57	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	671.13	
23 51 16 00-0221 Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222 EA 6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	393.45	37.75
<i>For 316 Stainless Steel, Add</i>	65.80	
<i>For Tee Cap, Add</i>	92.85	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.91	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.81	
23 51 16 00-0223 EA 8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	446.63	41.15
<i>For 316 Stainless Steel, Add</i>	75.64	
<i>For Tee Cap, Add</i>	104.75	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.38	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.76	
23 51 16 00-0224 EA 10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	510.41	43.14
<i>For 316 Stainless Steel, Add</i>	88.59	
<i>For Tee Cap, Add</i>	118.24	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.27	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	80.54	
23 51 16 00-0225 EA 12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	584.07	45.26
<i>For 316 Stainless Steel, Add</i>	103.61	
<i>For Tee Cap, Add</i>	133.78	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	47.10	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	94.19	
23 51 16 00-0226 EA 14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	681.45	50.35
<i>For 316 Stainless Steel, Add</i>	122.26	
<i>For Tee Cap, Add</i>	155.15	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.57	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	111.15	
23 51 16 00-0227 EA 16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	765.35	56.56
<i>For 316 Stainless Steel, Add</i>	137.29	
<i>For Tee Cap, Add</i>	174.27	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.40	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	124.81	
23 51 16 00-0228 EA 18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	891.48	64.63
<i>For 316 Stainless Steel, Add</i>	160.60	
<i>For Tee Cap, Add</i>	202.52	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.00	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.00	
23 51 16 00-0229 EA 20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,023.84	79.89
<i>For 316 Stainless Steel, Add</i>	181.32	
<i>For Tee Cap, Add</i>	234.71	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	82.42	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	164.84	
23 51 16 00-0230 EA 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,307.19	113.13
<i>For 316 Stainless Steel, Add</i>	225.36	
<i>For Tee Cap, Add</i>	303.86	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	102.44	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	204.87	
23 51 16 00-0231 EA 28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,580.09	123.45
<i>For 316 Stainless Steel, Add</i>	279.76	
<i>For Tee Cap, Add</i>	362.29	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	127.16	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	254.32	
23 51 16 00-0232 EA 32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,081.96	135.76
<i>For 316 Stainless Steel, Add</i>	383.37	
<i>For Tee Cap, Add</i>	467.30	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	174.26	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	348.52	
23 51 16 00-0233 EA 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,320.06	150.89
<i>For 316 Stainless Steel, Add</i>	427.41	
<i>For Tee Cap, Add</i>	520.61	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	194.28	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	388.55	
23 51 16 00-0234 EA 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,685.83	226.27
<i>For 316 Stainless Steel, Add</i>	686.44	
<i>For Tee Cap, Add</i>	822.02	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	312.02	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	624.03	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0235 EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,623.19	271.52
For 316 Stainless Steel, Add	867.76	
For Tee Cap, Add	1,026.46	
For 2" Insulated Wall Instead Of 1" Thickness, Add	394.44	
For 3" Insulated Wall Instead Of 1" Thickness, Add	788.87	
23 51 16 00-0236 Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237 EA 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	720.61	30.12
For 2" Insulated Wall Instead Of 1" Thickness, Add	64.52	
For 3" Insulated Wall Instead Of 1" Thickness, Add	129.05	
23 51 16 00-0238 EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	786.36	34.79
For 2" Insulated Wall Instead Of 1" Thickness, Add	69.94	
For 3" Insulated Wall Instead Of 1" Thickness, Add	139.88	
23 51 16 00-0239 EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	859.70	37.75
For 2" Insulated Wall Instead Of 1" Thickness, Add	76.53	
For 3" Insulated Wall Instead Of 1" Thickness, Add	153.06	
23 51 16 00-0240 EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	950.56	41.15
For 2" Insulated Wall Instead Of 1" Thickness, Add	84.77	
For 3" Insulated Wall Instead Of 1" Thickness, Add	169.55	
23 51 16 00-0241 EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,061.48	43.14
For 2" Insulated Wall Instead Of 1" Thickness, Add	95.37	
For 3" Insulated Wall Instead Of 1" Thickness, Add	190.74	
23 51 16 00-0242 EA 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,172.79	45.26
For 2" Insulated Wall Instead Of 1" Thickness, Add	105.97	
For 3" Insulated Wall Instead Of 1" Thickness, Add	211.94	
23 51 16 00-0243 EA 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,308.26	47.66
For 2" Insulated Wall Instead Of 1" Thickness, Add	118.92	
For 3" Insulated Wall Instead Of 1" Thickness, Add	237.84	
23 51 16 00-0244 EA 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,530.80	75.37
For 2" Insulated Wall Instead Of 1" Thickness, Add	134.23	
For 3" Insulated Wall Instead Of 1" Thickness, Add	268.45	
23 51 16 00-0245 EA 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,884.09	84.85
For 2" Insulated Wall Instead Of 1" Thickness, Add	167.19	
For 3" Insulated Wall Instead Of 1" Thickness, Add	334.39	
23 51 16 00-0246 EA 28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,110.16	90.51
For 2" Insulated Wall Instead Of 1" Thickness, Add	188.39	
For 3" Insulated Wall Instead Of 1" Thickness, Add	376.77	
23 51 16 00-0247 EA 32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,408.94	97.01
For 2" Insulated Wall Instead Of 1" Thickness, Add	216.65	
For 3" Insulated Wall Instead Of 1" Thickness, Add	433.29	
23 51 16 00-0248 EA 36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,755.44	113.13
For 2" Insulated Wall Instead Of 1" Thickness, Add	247.26	
For 3" Insulated Wall Instead Of 1" Thickness, Add	494.52	
23 51 16 00-0249 EA 42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,487.54	123.45
For 2" Insulated Wall Instead Of 1" Thickness, Add	317.90	
For 3" Insulated Wall Instead Of 1" Thickness, Add	635.81	
23 51 16 00-0250 EA 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,224.91	135.76
For 2" Insulated Wall Instead Of 1" Thickness, Add	388.55	
For 3" Insulated Wall Instead Of 1" Thickness, Add	777.10	
23 51 16 00-0251 Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252 EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	487.34	34.79
For 316 Stainless Steel, Add	40.03	
23 51 16 00-0253 EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	531.41	41.15
For 316 Stainless Steel, Add	42.86	
23 51 16 00-0254 EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	581.70	45.26
For 316 Stainless Steel, Add	46.86	
23 51 16 00-0255 EA 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	629.73	50.35
For 316 Stainless Steel, Add	50.39	
23 51 16 00-0256 EA 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	794.84	53.31
For 316 Stainless Steel, Add	66.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0257 EA 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	715.96	56.56
<i>For 316 Stainless Steel, Add</i>	57.46	
23 51 16 00-0258 EA 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	770.23	60.38
<i>For 316 Stainless Steel, Add</i>	61.93	
23 51 16 00-0259 EA 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	876.22	84.85
<i>For 316 Stainless Steel, Add</i>	66.41	
23 51 16 00-0260 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	983.95	96.87
<i>For 316 Stainless Steel, Add</i>	74.18	
23 51 16 00-0261 EA 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,120.44	104.36
<i>For 316 Stainless Steel, Add</i>	85.95	
23 51 16 00-0262 EA 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,248.14	112.99
<i>For 316 Stainless Steel, Add</i>	96.55	
23 51 16 00-0263 EA 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,398.87	135.61
<i>For 316 Stainless Steel, Add</i>	105.97	
23 51 16 00-0264 EA 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,778.08	150.75
<i>For 316 Stainless Steel, Add</i>	140.11	
23 51 16 00-0265 EA 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,190.08	169.56
<i>For 316 Stainless Steel, Add</i>	176.61	
23 51 16 00-0266 Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	334.18	19.65
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	352.96	21.49
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	379.16	22.63
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	396.28	23.76
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	435.55	24.47
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	474.83	25.03
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	573.24	25.88
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	726.42	48.51
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	907.61	52.18
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,077.71	54.30
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,318.86	56.56
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,496.58	61.80
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,880.71	64.63
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,395.05	67.88
23 51 16 00-0281 Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282 EA 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	364.68	19.65
23 51 16 00-0283 EA 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	421.25	21.49
23 51 16 00-0284 EA 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	487.46	22.63
23 51 16 00-0285 EA 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	558.73	23.76
23 51 16 00-0286 EA 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	649.78	24.47
23 51 16 00-0287 EA 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	736.31	25.17
23 51 16 00-0288 EA 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	818.19	25.88
23 51 16 00-0289 EA 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	992.39	48.51
23 51 16 00-0290 EA 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,178.42	52.18
23 51 16 00-0291 EA 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,277.79	54.30
23 51 16 00-0292 EA 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,448.28	56.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,684.81	61.66
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,045.44	64.63
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,371.40	67.88
23 51 16 00-0296			Roof Support Assemblies (23 51 16 00-0175)		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	554.28	36.21
			<i>For 316 Stainless Steel, Add</i>	92.78	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	614.06	43.14
			<i>For 316 Stainless Steel, Add</i>	101.26	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	674.73	47.66
			<i>For 316 Stainless Steel, Add</i>	111.15	
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	721.72	53.17
			<i>For 316 Stainless Steel, Add</i>	117.74	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	803.11	56.56
			<i>For 316 Stainless Steel, Add</i>	132.34	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	852.61	60.38
			<i>For 316 Stainless Steel, Add</i>	140.35	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	915.31	64.77
			<i>For 316 Stainless Steel, Add</i>	150.71	
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,026.92	90.51
			<i>For 316 Stainless Steel, Add</i>	160.13	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,155.95	104.50
			<i>For 316 Stainless Steel, Add</i>	178.97	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,330.74	113.13
			<i>For 316 Stainless Steel, Add</i>	209.58	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,580.12	123.45
			<i>For 316 Stainless Steel, Add</i>	254.32	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,837.31	150.89
			<i>For 316 Stainless Steel, Add</i>	292.00	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,708.41	169.70
			<i>For 316 Stainless Steel, Add</i>	456.84	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,308.13	192.89
			<i>For 316 Stainless Steel, Add</i>	565.16	
23 51 16 00-0311			Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
			Note: With 1" insulation.		
23 51 16 00-0312			Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)		
			Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	103.72	15.14
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.59	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	13.19	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	125.20	16.12
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	16.95	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	142.47	17.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	9.89	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	19.78	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	190.66	18.81
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.37	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.73	
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	244.57	20.65
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	19.31	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	38.62	
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	308.33	21.63
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	25.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	50.86	
23 51 16 00-0319			90 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	222.61	30.12
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.72	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	29.44	
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	245.58	32.24
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	16.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	32.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0322 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	275.40 18.84 37.68	34.79
23 51 16 00-0323 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	339.23 24.49 48.98	37.75
23 51 16 00-0324 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	401.91 29.91 59.81	41.15
23 51 16 00-0325 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	465.63 35.79 71.59	43.14
23 51 16 00-0326 45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	185.82 11.04 22.08	30.12
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	204.37 12.36 24.73	32.24
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	228.32 14.13 28.26	34.79
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	278.01 18.37 36.74	37.75
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	327.11 22.43 44.86	41.15
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	376.21 26.85 53.69	43.14
23 51 16 00-0333 Tees With Tee Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	353.23 27.79 55.57	30.12
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	443.40 36.27 72.53	32.24
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	496.72 40.97 81.95	34.79
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	671.17 57.69 115.39	37.75
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	915.19 81.24 162.48	41.15
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,167.34 105.97 211.94	43.14
23 51 16 00-0340 Joist Shields <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	160.15	30.12
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	172.59	32.24
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	200.01	34.79
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	246.27	37.75
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	292.38	41.15
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	343.17	43.14
23 51 16 00-0347 Adjustable Roof Flashing <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	187.23	30.12
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	207.89	32.24
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	225.90	34.79
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	272.14	37.75
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	332.51	41.15
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	394.94	42.99
23 51 16 00-0354 Vent Top Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	169.57	30.12
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	209.07	32.24
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	258.87	34.79
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	402.87	37.75
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	543.25	41.15
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	687.01	43.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0361			Roof Support Assemblies (23 51 16 00-0311)		
23 51 16 00-0362	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	243.64	30.12
23 51 16 00-0363	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	270.29	32.24
23 51 16 00-0364	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	292.99	34.79
23 51 16 00-0365	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	365.07	37.75
23 51 16 00-0366	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	430.15	41.15
23 51 16 00-0367	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	522.18	43.14
23 51 16 00-0368			Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)		
23 51 16 00-0369			Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination	262.06	57.60
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination	283.04	57.60
23 51 16 00-0372			Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0373			Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	52.04	17.49
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	58.73	18.41
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	67.11	20.47
23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	82.95	24.07
23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	62.28	20.05
23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	74.25	21.11
23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	90.37	23.46
23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	111.35	27.59
23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	100.96	26.53
23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	118.23	27.92
23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	145.93	31.03
23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	187.99	36.50
23 51 16 00-0386	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	149.71	39.15
23 51 16 00-0387	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	170.14	41.20
23 51 16 00-0388	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	218.92	45.79
23 51 16 00-0389	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	282.90	53.88
23 51 16 00-0390			Polypropylene Flue/Vent Elbows (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA		2" Polypropylene Flue/Vent 15 Degree Elbow	64.22	21.25
23 51 16 00-0392	EA		3" Polypropylene Flue/Vent 15 Degree Elbow	74.39	22.37
23 51 16 00-0393	EA		4" Polypropylene Flue/Vent 15 Degree Elbow	91.47	23.19
23 51 16 00-0394	EA		5" Polypropylene Flue/Vent 15 Degree Elbow	105.38	24.14
23 51 16 00-0395	EA		2" Polypropylene Flue/Vent 30 Degree Elbow	64.22	21.25
23 51 16 00-0396	EA		3" Polypropylene Flue/Vent 30 Degree Elbow	74.39	22.37
23 51 16 00-0397	EA		4" Polypropylene Flue/Vent 30 Degree Elbow	91.47	23.19
23 51 16 00-0398	EA		5" Polypropylene Flue/Vent 30 Degree Elbow	105.38	24.14
23 51 16 00-0399	EA		2" Polypropylene Flue/Vent 45 Degree Elbow	64.22	21.25
23 51 16 00-0400	EA		3" Polypropylene Flue/Vent 45 Degree Elbow	74.39	22.37
23 51 16 00-0401	EA		4" Polypropylene Flue/Vent 45 Degree Elbow	91.47	23.19
23 51 16 00-0402	EA		5" Polypropylene Flue/Vent 45 Degree Elbow	105.38	24.14
23 51 16 00-0403	EA		2" Polypropylene Flue/Vent 87 Degree Elbow	64.22	21.25
23 51 16 00-0404	EA		3" Polypropylene Flue/Vent 87 Degree Elbow	74.39	22.37
23 51 16 00-0405	EA		4" Polypropylene Flue/Vent 87 Degree Elbow	90.43	23.19
23 51 16 00-0406	EA		5" Polypropylene Flue/Vent 87 Degree Elbow	107.96	24.14
23 51 16 00-0407			Polypropylene Flue/Vent Tees (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA		2" Polypropylene Flue/Vent Tee	189.39	31.89
23 51 16 00-0409	EA		3" Polypropylene Flue/Vent Tee	236.00	33.57
23 51 16 00-0410	EA		4" Polypropylene Flue/Vent Tee	275.56	34.79
23 51 16 00-0411	EA		5" Polypropylene Flue/Vent Tee	300.93	36.21
23 51 16 00-0412			Polypropylene Flue/Vent Adaptors (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA		2" Polypropylene Flue/Vent Adaptor With Gasket	74.38	21.25
23 51 16 00-0414	EA		3" Polypropylene Flue/Vent Adaptor With Gasket	103.97	22.37
23 51 16 00-0415	EA		4" Polypropylene Flue/Vent Adaptor With Gasket	120.11	23.19
23 51 16 00-0416	EA		5" Polypropylene Flue/Vent Adaptor With Gasket	161.37	24.14
23 51 16 00-0417			Polypropylene Flue/Vent Increases (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser	81.86	21.82
23 51 16 00-0419	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser	89.29	22.78
23 51 16 00-0420	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser	154.99	23.65
23 51 16 00-0421	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser	107.93	21.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0422 EA 3" to 4" Polypropylene Flue/Vent Eccentric Increaser.....	87.16	22.78
23 51 16 00-0423 EA 4" to 5" Polypropylene Flue/Vent Eccentric Increaser.....	210.66	23.65
23 51 16 00-0424 Polypropylene Flue/Vent Reducers (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425 EA 3" to 2" Polypropylene Flue/Vent Reducer.....	81.86	21.82
23 51 16 00-0426 EA 4" to 3" Polypropylene Flue/Vent Reducer.....	89.29	22.78
23 51 16 00-0427 EA 5" to 4" Polypropylene Flue/Vent Reducer.....	189.70	23.65
23 51 16 00-0428 Polypropylene Flue/Vent Test Ports (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429 EA 2" Polypropylene Flue/Vent Test Port.....	105.20	31.89
23 51 16 00-0430 EA 3" Polypropylene Flue/Vent Test Port.....	117.30	33.57
23 51 16 00-0431 EA 4" Polypropylene Flue/Vent Test Port.....	174.16	34.79
23 51 16 00-0432 EA 5" Polypropylene Flue/Vent Test Port.....	185.64	36.21
23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434 EA 4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	280.24	34.79
23 51 16 00-0435 EA 4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	366.31	43.49
23 51 16 00-0436 EA 5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	232.97	36.21
23 51 16 00-0437 EA 5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	342.36	45.26
23 51 16 00-0438 EA 3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	350.64	22.78
23 51 16 00-0439 EA 4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	405.07	23.65
23 51 16 00-0440 Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441 EA 2" Polypropylene Flue/Vent Horizontal Drain Tee.....	140.39	31.89
23 51 16 00-0442 EA 3" Polypropylene Flue/Vent Horizontal Drain Tee.....	168.06	33.57
23 51 16 00-0443 EA 4" Polypropylene Flue/Vent Horizontal Drain Tee.....	191.31	34.79
23 51 16 00-0444 EA 5" Polypropylene Flue/Vent Horizontal Drain Tee.....	217.13	36.21
23 51 16 00-0445 EA 4" Polypropylene Flue/Vent Horizontal Drain Fittings.....	238.93	34.79
23 51 16 00-0446 EA 5" Polypropylene Flue/Vent Horizontal Drain Fittings.....	262.70	36.21
23 51 16 00-0447 EA 2" Polypropylene Flue/Vent Tee Cap.....	78.38	10.63
23 51 16 00-0448 EA 3" Polypropylene Flue/Vent Tee Cap.....	99.81	11.18
23 51 16 00-0449 EA 4" Polypropylene Flue/Vent Tee Cap.....	118.06	11.60
23 51 16 00-0450 EA 5" Polypropylene Flue/Vent Tee Cap.....	153.20	12.06
23 51 16 00-0451 EA 2" Polypropylene Flue/Vent Tee Cap With Drain.....	155.62	31.89
23 51 16 00-0452 EA 3" Polypropylene Flue/Vent Tee Cap With Drain.....	189.18	33.57
23 51 16 00-0453 EA 4" Polypropylene Flue/Vent Tee Cap With Drain.....	217.51	34.79
23 51 16 00-0454 EA 5" Polypropylene Flue/Vent Tee Cap With Drain.....	260.19	36.21
23 51 16 00-0455 Polypropylene Flue/Vent Terminations (23 51 16 00-0372)		
23 51 16 00-0456 EA 2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	195.67	21.25
23 51 16 00-0457 EA 3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	173.82	22.37
23 51 16 00-0458 EA 4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	215.93	23.19
23 51 16 00-0459 EA 3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	432.90	22.37
23 51 16 00-0460 EA 4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	462.00	23.19
23 51 16 00-0461 EA 5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	538.35	24.14
23 51 16 00-0462 EA 2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	118.40	21.25
23 51 16 00-0463 EA 2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	124.93	21.25
23 51 16 00-0464 EA 2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	131.46	21.25
23 51 16 00-0465 EA 2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	137.98	21.25
23 51 16 00-0466 EA 3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	127.74	22.37
23 51 16 00-0467 EA 3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	134.27	22.37
23 51 16 00-0468 EA 3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	140.79	22.37
23 51 16 00-0469 EA 3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	147.32	22.37
23 51 16 00-0470 EA 4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	142.82	23.19
23 51 16 00-0471 EA 4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	149.35	23.19
23 51 16 00-0472 EA 4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	155.87	23.19
23 51 16 00-0473 EA 2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	124.86	21.25
23 51 16 00-0474 EA 3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	158.41	22.37
23 51 16 00-0475 EA 2" Polypropylene-UV Black Flue/Vent Termination Tee.....	147.47	31.89
23 51 16 00-0476 EA 3" Polypropylene-UV Black Flue/Vent Termination Tee.....	191.47	33.57
23 51 16 00-0477 EA 4" Polypropylene-UV Black Flue/Vent Termination Tee.....	224.80	34.79
23 51 16 00-0478 EA 5" Polypropylene-UV Black Flue/Vent Termination Tee.....	246.99	36.21
23 51 16 00-0479 EA 2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	54.76	18.41
23 51 16 00-0480 EA 2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	65.03	20.47
23 51 16 00-0481 EA 3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	65.56	21.11
23 51 16 00-0482 EA 3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	80.98	23.46
23 51 16 00-0483 EA 4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	97.69	27.92
23 51 16 00-0484 EA 5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	135.70	41.20
23 51 16 00-0485 EA 5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	163.13	45.79
23 51 16 00-0486 EA 2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	60.00	18.41
23 51 16 00-0487 EA 3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	76.41	21.11
23 51 16 00-0488 EA 4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	123.07	27.92

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0489 EA 2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	66.30	21.25
23 51 16 00-0490 EA 3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	77.00	22.37
23 51 16 00-0491 EA 4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	94.81	23.19
23 51 16 00-0492 EA 2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	65.32	21.25
23 51 16 00-0493 EA 3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	76.35	22.37
23 51 16 00-0494 EA 4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	93.67	23.19
23 51 16 00-0495 EA 2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	41.62	10.63
23 51 16 00-0496 EA 3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	48.14	11.18
23 51 16 00-0497 EA 4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	53.65	11.60
23 51 16 00-0498 EA 3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	101.61	11.18
23 51 16 00-0499 EA 5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	116.54	12.06
23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)		
23 51 16 00-0501 EA 2" Spacer For Polypropylene Flue/Vent	21.18	5.32
23 51 16 00-0502 EA 3" Spacer For Polypropylene Flue/Vent	20.33	5.60
23 51 16 00-0503 EA 4" Spacer For Polypropylene Flue/Vent	20.95	5.79
23 51 16 00-0504 EA 5" Spacer For Polypropylene Flue/Vent	32.16	6.03
23 51 16 00-0505 EA 2" Flue Clamp For Polypropylene Flue/Vent	39.38	7.98
23 51 16 00-0506 EA 3" Flue Clamp For Polypropylene Flue/Vent	46.00	8.39
23 51 16 00-0507 EA 4" Flue Clamp For Polypropylene Flue/Vent	53.06	8.70
23 51 16 00-0508 EA 2" Support Clamp For Polypropylene Flue/Vent	37.57	7.98
23 51 16 00-0509 EA 4" Support Clamp For Polypropylene Flue/Vent	37.70	8.70
23 51 16 00-0510 EA 5" Support Clamp For Polypropylene Flue/Vent	45.50	9.05
23 51 16 00-0511 EA 3" Plastic Support Clamp For Polypropylene Flue/Vent	29.34	8.39
23 51 16 00-0512 EA 2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	59.72	21.25
23 51 16 00-0513 EA 3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	65.54	22.37
23 51 16 00-0514 EA 4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	70.31	23.19
23 51 16 00-0515 EA 5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	78.03	24.14
23 51 16 00-0516 EA 2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.19	
23 51 16 00-0517 EA 3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.69	
23 51 16 00-0518 EA 4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.34	
23 51 16 00-0519 EA 5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.48	
23 51 16 00-0520 EA 2" Connector Ring For Polypropylene Flue/Vent	17.79	5.32
23 51 16 00-0521 EA 3" Connector Ring For Polypropylene Flue/Vent	20.02	5.60
23 51 16 00-0522 EA 4" Connector Ring For Polypropylene Flue/Vent	21.49	5.79
23 51 16 00-0523 EA 5" Connector Ring For Polypropylene Flue/Vent	23.65	6.03
23 51 16 00-0524 EA 2"/4" Polypropylene Flue/Vent Air Intake, White	84.92	10.63
23 51 16 00-0525 EA 3"/5" Polypropylene Flue/Vent Air Intake, White	87.14	11.18
23 51 16 00-0526 EA 4"/6" Polypropylene Flue/Vent Air Intake, White	65.63	11.60
23 51 16 00-0527 EA 2" Base Support For Polypropylene Flue/Vent	73.48	7.98
23 51 16 00-0528 EA 3" Base Support For Polypropylene Flue/Vent	75.84	8.39
23 51 16 00-0529 EA 4" Base Support For Polypropylene Flue/Vent	101.11	8.70
23 51 16 00-0530 EA 5" Base Support For Polypropylene Flue/Vent	169.80	9.05
23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)		
23 51 16 00-0532 LF 2", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.38	1.87
23 51 16 00-0533 LF 2", > 50', Polypropylene Flue/Vent Flex Pipe	11.64	1.87
23 51 16 00-0534 LF 3", Up To 50', Polypropylene Flue/Vent Flex Pipe	16.41	2.20
23 51 16 00-0535 LF 3", > 50', Polypropylene Flue/Vent Flex Pipe	14.23	2.20
23 51 16 00-0536 LF 4", Up To 50', Polypropylene Flue/Vent Flex Pipe	23.55	2.72
23 51 16 00-0537 LF 4", > 50', Polypropylene Flue/Vent Flex Pipe	20.20	2.72
23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539 EA 2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	96.38	21.25
23 51 16 00-0540 EA 2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	107.28	21.25
23 51 16 00-0541 EA 3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	212.91	22.37
23 51 16 00-0542 EA 4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	384.30	23.19
23 51 16 00-0543 EA 2" Polypropylene Flue/Vent Coupler, Flex to Flex	110.49	21.25
23 51 16 00-0544 EA 3" Polypropylene Flue/Vent Coupler, Flex to Flex	252.72	22.37
23 51 16 00-0545 EA 4" Polypropylene Flue/Vent Coupler, Flex to Flex	645.35	23.19
23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51 16 00-0547 EA 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	124.96	21.25
23 51 16 00-0548 EA 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	116.17	22.37
23 51 16 00-0549 EA 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	142.47	23.19
23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)		
23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51 16 00-0552 EA 3" Aluminum Vent Cap (Star-Kap® 3-SK)	119.15	21.07
23 51 16 00-0553 EA 4" Aluminum Vent Cap (Star-Kap® 4-SK)	126.65	20.65
23 51 16 00-0554 EA 5" Aluminum Vent Cap (Star-Kap® 5-SK)	137.19	21.63
23 51 16 00-0555 EA 6" Aluminum Vent Cap (Star-Kap® 6-SK)	189.71	22.63
23 51 16 00-0556 EA 8" Aluminum Vent Cap (Star-Kap® 8-SK)	212.15	25.17
23 51 16 00-0557 EA 10" Aluminum Vent Cap (Star-Kap® 10-SK)	595.76	26.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

23 51	16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	610.79	28.28
-------	------------	----	---	--------	-------

23 52 Heating Boilers ^(23 50)

23 52 13 Electric Boilers ^(23 52)

23 52 13 00-0001 Packaged Electric Steam Boiler ^(23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,788.17	846.23
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,496.65	987.27
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,129.56	1,057.79
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,222.49	1,128.31
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,290.82	1,198.83
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	14,294.30	1,339.87
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	16,297.92	1,480.91
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	17,017.64	1,551.43
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	18,046.52	1,621.95
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	23,272.48	1,762.99
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	24,227.26	1,833.51
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	24,958.13	1,832.06
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	25,993.88	1,967.76
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	28,014.50	2,103.47
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	30,157.58	2,307.03
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	32,101.83	2,374.89
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	33,622.54	2,442.74
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	35,914.30	2,510.60
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	38,206.74	2,578.45
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	40,874.42	2,714.15
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	43,637.08	2,849.86
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	46,331.89	2,917.72
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	51,137.62	2,985.57
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	55,071.27	3,121.28
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	56,405.11	3,256.99
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	61,807.62	3,460.55
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	63,887.68	3,664.11
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	66,103.44	3,867.68
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	70,036.57	4,071.24
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	71,799.75	4,206.94
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	74,105.42	4,478.36
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	76,637.39	4,749.78
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	83,509.27	5,021.19
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	87,985.24	5,292.61

23 52 13 00-0036 Packaged Electric Hot Water Boiler ^(23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,751.05	775.71
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,125.39	846.23
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,499.73	916.75
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	8,884.43	987.27
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,343.65	1,057.79
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	9,652.48	1,128.31
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,026.82	1,198.83
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	10,588.34	1,269.35
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,153.58	1,339.87
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	11,453.05	1,410.39
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	12,322.31	1,480.91
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,166.38	1,551.43
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	14,714.01	1,621.95
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	15,782.69	1,692.47
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	16,637.80	1,762.99
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	17,943.64	1,833.51
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	19,040.27	1,832.06
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	20,411.29	1,967.76
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	21,927.39	2,103.47
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	23,434.13	2,307.03
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	24,950.22	2,442.74
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	26,407.85	2,578.45
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	28,544.00	2,646.30
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	30,392.34	2,714.15
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	32,165.80	2,849.86
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	34,012.06	2,849.86
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	37,196.45	2,917.72
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	38,876.64	2,985.57
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	41,084.60	3,121.28
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	42,670.85	3,189.14
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	44,264.06	3,256.99

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0068	EA		810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	45,493.04	3,460.55
23 52 13 00-0069	EA		900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	47,673.47	3,664.11
23 52 13 00-0070	EA		1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	55,227.36	3,867.68
23 52 13 00-0071	EA		1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	60,513.60	4,071.24
23 52 13 00-0072	EA		1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	62,763.72	4,206.94
23 52 13 00-0073	EA		1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	65,306.90	4,478.36
23 52 13 00-0074	EA		1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	67,850.09	4,749.78
23 52 13 00-0075	EA		1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	74,995.33	5,021.19
23 52 13 00-0076	EA		1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	79,659.91	5,292.61
23 52 13 00-0077	EA		1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	81,637.59	5,428.32
23 52 13 00-0078	EA		1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	83,619.26	5,564.03
23 52 13 00-0079	EA		1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	84,162.09	5,767.58
23 52 13 00-0080	EA		2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	90,268.55	5,903.29
23 52 13 00-0081	EA		2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	94,367.62	6,106.86
23 52 13 00-0082	EA		2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	101,339.80	6,513.98
23 52 13 00-0083	EA		2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	109,439.76	7,192.51
23 52 13 00-0084	EA		3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	118,864.02	8,006.76
23 52 13 00-0085	EA		3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	125,836.20	8,821.01

23 52 16 Condensing Boilers (23 52)

23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16 13)

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79).....	12,887.32	564.16
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129).....	13,729.24	751.46
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179).....	14,670.58	846.09
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1).....	15,549.11	893.20
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299).....	20,427.50	1,034.24
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399).....	23,598.89	1,128.17
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599).....	31,742.27	1,316.18
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798).....	43,909.93	1,504.32
			Note: Includes vent manifold.		
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998).....	53,569.25	1,645.36
			Note: Includes vent manifold.		
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499).....	77,044.62	1,927.30
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999).....	84,866.60	2,068.34

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	39,350.78	1,222.25
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	41,285.02	1,316.18
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	46,031.45	1,504.32
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	49,899.95	1,692.33
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	55,463.14	1,833.37
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	63,294.44	1,927.30
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	75,526.78	2,068.34

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	79,560.22	2,256.34
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	91,974.01	2,350.42
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	106,445.67	2,444.49

23 52 16 13-0025 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)

Note: Compliant with SCAQMD. Rated by gross rated input.

23 52 16 13-0026	EA		80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	8,409.26	611.12
23 52 16 13-0027	EA		105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	9,605.07	705.20
23 52 16 13-0028	EA		150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	10,804.36	846.09
23 52 16 13-0029	EA		210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	12,031.04	940.17
23 52 16 13-0030	EA		285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	15,023.56	1,034.24
23 52 16 13-0031	EA		399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	19,459.24	1,128.17
23 52 16 13-0032	EA		500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	23,277.67	1,222.25
23 52 16 13-0033	EA		600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600).....	25,810.14	1,316.18
23 52 16 13-0034	EA		750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750).....	28,021.13	1,410.25
23 52 16 13-0035	EA		850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850).....	30,514.21	1,598.26
23 52 16 13-0036	EA		1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000).....	42,983.78	1,692.33
23 52 16 13-0037	EA		1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700).....	56,935.20	1,974.41
23 52 16 13-0038	EA		150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150).....	19,087.87	846.09
23 52 16 13-0039	EA		199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199).....	21,997.86	1,128.31
23 52 16 13-0040	EA		285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285).....	28,715.70	1,269.35
23 52 16 13-0041	EA		399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399).....	36,043.92	1,551.43
23 52 16 13-0042	EA		500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500).....	42,532.29	1,692.47
23 52 16 13-0043	EA		600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600).....	48,065.84	1,833.51
23 52 16 13-0044	EA		750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750).....	57,613.14	1,974.55
23 52 16 13-0045	EA		850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850).....	63,823.02	2,115.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0046 EA 1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000).....	83,737.56	2,256.63
23 52 16 13-0047 EA 1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700).....	112,537.78	2,961.82
23 52 16 13-0048 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)		
Note: Rated by gross rated output.		
23 52 16 13-0049 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	66,526.12	1,927.30
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0050 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	78,995.62	2,068.34
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0051 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	113,737.18	2,303.45
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0052 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	121,218.93	2,303.45
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0053 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Rated by gross rated output.		
23 52 16 13-0054 EA 184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211).....	11,656.54	846.09
23 52 16 13-0055 EA 264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N).....	14,959.54	940.17
23 52 16 13-0056 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Rated by gross rated output.		
23 52 16 13-0057 EA 387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N).....	16,999.80	1,081.21
23 52 16 13-0058 EA 485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N).....	21,018.59	1,128.17
23 52 16 13-0059 EA 631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N).....	25,665.75	1,222.25
23 52 16 13-0060 EA 776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N).....	30,621.26	1,269.21
23 52 16 13-0061 EA 969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N).....	37,294.48	1,363.28
23 52 16 13-0062 Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Rated by gross rated output.		
23 52 16 13-0063 EA 1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251).....	47,166.42	1,597.98
23 52 16 13-0064 EA 1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501).....	48,826.94	1,833.37
23 52 16 13-0065 EA 1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751).....	53,481.19	1,950.57
23 52 16 13-0066 EA 1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001).....	58,135.44	2,068.34
23 52 16 13-0067 EA 2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501).....	68,002.19	2,162.41
23 52 16 13-0068 EA 2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001).....	75,232.37	2,256.34
23 52 16 13-0069 EA 3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501).....	92,109.56	2,350.42
23 52 16 13-0070 EA 3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001).....	101,654.56	2,444.35
23 52 16 13-0071 EA 4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001).....	124,363.94	2,538.28
23 52 16 13-0072 Patterson Kelley Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0073 Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series (23 52 16 13-0072)		
23 52 16 13-0074 EA 1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500).....	48,739.86	1,927.30
23 52 16 13-0075 EA 3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000).....	74,541.59	2,303.45
23 52 16 13-0076 Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series (23 52 16 13-0072)		
23 52 16 13-0077 EA 650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650).....	25,617.91	1,363.28
23 52 16 13-0078 EA 1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	30,832.11	1,692.33
23 52 16 13-0079 EA 2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000).....	51,817.10	2,068.34
23 52 16 13-0080 EA 4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000).....	88,333.55	2,444.49
23 52 16 13-0081 Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series (23 52 16 13-0072)		
23 52 16 13-0082 EA 1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250).....	37,405.42	1,786.26
23 52 16 13-0083 EA 2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000).....	61,057.33	2,068.34
23 52 16 13-0084 EA 4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000).....	90,299.55	2,444.49
23 52 16 16 Aluminum Condensing Boilers (23 52 16)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16) Note: Rated by gross rated output.		
23 52 16 16-0002 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,394.88	611.12
23 52 16 16-0003 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,365.40	705.20
23 52 16 16-0004 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	11,706.43	846.09
23 52 16 16-0005 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	13,135.91	940.17
23 52 16 16-0006 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	17,001.23	1,081.21
23 52 16 16-0007 Patterson Kelley Mach Series Aluminum Condensing Boilers (23 52 16 16) Note: Rated by gross rated output.		
23 52 16 16-0008 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300).....	16,785.94	1,034.24
23 52 16 16-0009 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450).....	18,844.71	1,175.28
23 52 16 16-0010 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750).....	21,491.56	1,410.25
23 52 16 16-0011 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900).....	31,294.71	1,598.26
23 52 16 16-0012 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050).....	32,716.55	1,692.33
23 52 16 16-0013 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500).....	49,982.95	1,927.30
23 52 16 16-0014 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000).....	54,104.30	2,068.34
23 52 16 16-0015 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500).....	79,928.65	2,256.34
23 52 16 16-0016 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	92,585.64	2,303.45
23 52 16 16-0017 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	105,237.84	2,444.49
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16) Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,217.33	564.16
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,383.50	658.09
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,687.77	799.13
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	10,614.56	893.20
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	403.97	141.04
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	505.31	141.04
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	992.88	141.04
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16) Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	12,012.06	1,034.24
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	14,713.21	1,081.21
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	27,966.50	1,269.21
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	26,180.44	1,269.21
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,368.80	1,363.28
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	31,582.74	1,363.28
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	38,802.68	1,598.26
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	46,765.10	1,692.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4).....	48,093.82	1,786.26
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4).....	48,809.14	1,786.26
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4).....	58,475.30	1,833.37
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4).....	59,190.63	1,833.37
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35).....	794.62	141.04
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90).....	16,955.39	1,034.24
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120).....	19,727.66	1,128.17
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160).....	24,620.98	1,245.66
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200).....	28,263.22	1,363.28
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240).....	33,738.31	1,504.32
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280).....	37,245.48	1,645.36
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	526.55	70.52
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	302.59	70.52
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	415.67	70.52
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	835.69	70.52
23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)		
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)		
Note: Rated by gross rated output.		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	46,842.54	1,786.26
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	52,791.01	1,974.41
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	57,710.34	2,068.34
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	62,233.79	2,162.41
23 52 16 23 Cast Iron Condensing Boilers (23 52 16)		
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)		
Note: Rated by gross rated output.		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,655.35	893.20
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	24,266.14	1,128.17
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	39,552.97	1,316.18
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	51,895.29	1,692.33
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	88,758.93	1,974.41
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	75,213.77	2,068.34
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	123,275.95	2,256.34
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	134,762.15	2,303.45
23 52 23 Cast-Iron Boilers (23 52)		
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380).....	16,679.68	3,272.52
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480).....	18,229.60	3,490.69
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580).....	19,925.23	3,708.86
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680).....	21,502.67	3,927.03
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780).....	22,960.07	4,145.19
Note: Includes field assembly of individual sections and testing.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880).....	24,952.18	4,363.37
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980).....	26,493.63	4,581.53
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080).....	27,719.03	4,799.70
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0011 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180).....	28,939.94	5,017.87
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0012 EA 1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280).....	30,348.52	5,236.04
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
23 52 23 00-0014 EA 209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380).....	12,165.86	542.83
Note: Fire tested factory assembled package unit.		
23 52 23 00-0015 EA 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480).....	13,480.79	542.83
Note: Fire tested factory assembled package unit.		
23 52 23 00-0016 EA 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580).....	15,486.75	678.54
Note: Fire tested factory assembled package unit.		
23 52 23 00-0017 EA 476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680).....	16,827.51	678.54
Note: Fire tested factory assembled package unit.		
23 52 23 00-0018 EA 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780).....	18,595.53	814.25
Note: Fire tested factory assembled package unit.		
23 52 23 00-0019 EA 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880).....	20,368.71	814.25
Note: Fire tested factory assembled package unit.		
23 52 23 00-0020 EA 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980).....	22,218.32	949.96
Note: Fire tested factory assembled package unit.		
23 52 23 00-0021 EA 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080).....	23,752.44	1,085.67
Note: Fire tested factory assembled package unit.		
23 52 23 00-0022 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180).....	24,741.01	1,085.67
Note: Fire tested factory assembled package unit.		
23 52 23 00-0023 EA 1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280).....	26,456.00	1,221.37
Note: Fire tested factory assembled package unit.		
23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380).....	17,447.97	3,272.52
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0026 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler.....	19,135.23	3,490.69
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler.....	20,747.91	3,708.86
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler.....	22,548.35	3,927.03
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler.....	24,034.31	4,145.19
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler.....	26,200.47	4,363.37
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler.....	27,565.16	4,581.53
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler.....	28,892.54	4,799.70
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler.....	30,114.81	5,017.87
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler.....	31,560.10	5,236.04
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
23 52 23 00-0036 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380).....	12,934.15	542.83
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480).....	14,386.41	542.83
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580).....	16,309.43	678.54
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680).....	17,873.20	678.54
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780).....	19,669.78	814.25
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880).....	21,617.01	814.25
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980).....	23,289.84	949.96
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080).....	24,925.94	1,085.67
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0044 EA 922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180).....	25,915.88	1,085.67
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0045 EA 1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280).....	27,667.58	1,221.37
Note: Fire tested factory assembled package cast iron unit.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	27,085.62	4,908.78
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	29,900.72	5,208.76
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	33,382.19	5,508.75
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	36,451.18	5,808.73
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	39,121.25	6,108.70
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	42,985.03	6,408.69
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	45,680.07	6,708.67
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	48,065.78	7,008.65
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	51,246.57	7,308.63
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	53,807.40	7,608.61
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	58,030.86	7,908.59
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	60,468.10	8,208.57
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	63,052.40	8,508.56
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	65,930.54	8,808.54
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	68,274.61	9,108.51
23 52 23 00-0063		Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	22,237.36	949.96
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	25,227.82	1,085.67
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package unit.	28,900.92	1,221.37
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package unit.	32,132.07	1,357.08
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package unit.	34,432.85	1,357.08
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Fire tested factory assembled package unit.	38,475.80	1,492.79
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package unit.	40,805.14	1,492.79
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package unit.	43,365.92	1,628.50
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package unit.	46,182.07	1,628.50
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package unit.	48,918.29	1,764.21
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package unit.	51,571.50	1,899.91
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package unit.	53,643.84	1,899.91
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package unit.	56,404.49	2,035.62
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package unit.	58,916.04	2,035.62
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package unit.	61,464.53	2,171.33
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	28,032.04	4,908.78
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	30,841.70	5,208.76
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	34,567.94	5,508.75
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	37,756.59	5,808.73
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	40,293.39	6,108.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0085 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	44,083.74	6,408.69
23 52 23 00-0086 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	47,329.51	6,708.67
23 52 23 00-0087 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	49,715.21	7,008.65
23 52 23 00-0088 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	52,863.37	7,308.63
23 52 23 00-0089 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	56,119.06	7,608.61
23 52 23 00-0090 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	60,459.46	7,908.59
23 52 23 00-0091 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	63,713.94	8,208.57
23 52 23 00-0092 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	65,479.64	8,508.56
23 52 23 00-0093 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	68,284.36	8,808.54
23 52 23 00-0094 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	70,654.26	9,108.51
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package cast iron unit.	23,183.78	949.96
23 52 23 00-0097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package cast iron unit.	26,168.80	1,085.67
23 52 23 00-0098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package cast iron unit.	30,073.07	1,221.37
23 52 23 00-0099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package cast iron unit.	33,437.48	1,357.08
23 52 23 00-0100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package cast iron unit.	35,607.72	1,357.08
23 52 23 00-0101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	39,574.52	1,492.79
23 52 23 00-0102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package cast iron unit.	42,454.57	1,492.79
23 52 23 00-0103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package cast iron unit.	45,015.36	1,628.50
23 52 23 00-0104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package cast iron unit.	47,798.87	1,628.50
23 52 23 00-0105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package cast iron unit.	51,236.75	1,764.21
23 52 23 00-0106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package cast iron unit.	54,000.11	1,899.91
23 52 23 00-0107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package cast iron unit.	55,529.88	1,899.91
23 52 23 00-0108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package cast iron unit.	58,831.73	2,035.62
23 52 23 00-0109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package cast iron unit.	61,269.86	2,035.62
23 52 23 00-0110 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package cast iron unit.	63,816.98	2,171.33
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler (23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	73,766.54	9,544.85
23 52 23 00-0114 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	79,971.86	10,090.27
23 52 23 00-0115 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	85,639.45	10,635.70
23 52 23 00-0116 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	91,188.78	11,181.11
23 52 23 00-0117 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	96,789.75	11,726.53
23 52 23 00-0118 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	103,955.43	12,271.96
23 52 23 00-0119 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	109,233.06	12,817.37
23 52 23 00-0120 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	114,339.89	13,362.79
23 52 23 00-0121 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	122,648.99	13,908.22
23 52 23 00-0122 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	127,752.87	14,453.64
23 52 23 00-0123 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	132,131.85	14,999.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994).....	140,151.49	15,544.48
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094).....	145,297.73	16,089.90
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194).....	153,501.71	16,635.31
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294).....	158,918.90	17,180.74
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394).....	164,846.03	17,726.16
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494).....	169,937.55	18,271.57
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594).....	175,175.30	18,817.00
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894).....	67,316.39	1,764.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994).....	73,403.09	1,899.91
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	78,948.62	2,035.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	84,379.88	2,171.33
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	89,315.95	2,171.33
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0137 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	94,619.56	2,307.03
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0138 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	99,233.36	2,307.03
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0139 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	104,219.96	2,442.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0140 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	111,866.11	2,442.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0141 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	116,851.33	2,578.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0142 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	120,566.30	2,578.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0143 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	128,468.46	2,714.15
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0144 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	132,950.36	2,714.15
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0145 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	141,059.20	2,849.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0146 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	145,787.22	2,849.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0147 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	151,592.48	2,985.57
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0148 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	156,021.35	2,985.57
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	161,138.47	3,121.28
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894).....	69,708.90	9,544.85
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994).....	75,914.22	10,090.27
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094).....	83,461.05	10,635.70
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194).....	88,519.49	11,181.11
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294).....	93,785.95	11,726.53
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394).....	100,577.69	12,271.96
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494).....	106,108.24	12,817.37
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594).....	111,217.79	13,362.79
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694).....	120,497.79	13,908.22
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794).....	125,603.03	14,453.64
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894).....	130,706.78	14,999.05
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994).....	140,161.01	15,544.48
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094).....	145,307.25	16,089.90
Note: Includes field assembly of individual sections and testing.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	153,730.15	16,635.31
23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	159,145.99	17,180.74
23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	164,956.17	17,726.16
23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	170,047.69	18,271.57
23 52 23 00-0168 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	175,293.60	18,817.00
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0170 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	63,038.46	1,764.21
23 52 23 00-0171 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	69,125.16	1,899.91
23 52 23 00-0172 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	76,549.93	2,035.62
23 52 23 00-0173 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	81,490.30	2,171.33
23 52 23 00-0174 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	86,091.87	2,171.33
23 52 23 00-0175 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	91,021.53	2,307.03
23 52 23 00-0176 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	95,888.25	2,307.03
23 52 23 00-0177 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	100,874.85	2,442.74
23 52 23 00-0178 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	109,494.62	2,442.74
23 52 23 00-0179 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	114,478.48	2,578.45
23 52 23 00-0180 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	118,920.95	2,578.45
23 52 23 00-0181 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	128,257.69	2,714.15
23 52 23 00-0182 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	132,739.59	2,714.15
23 52 23 00-0183 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	141,040.16	2,849.86
23 52 23 00-0184 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	145,794.02	2,849.86
23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	151,482.34	2,985.57
23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	155,911.20	2,985.57
23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	161,036.48	3,121.28
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	75,042.03	9,544.85
23 52 23 00-0190 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	81,248.71	10,090.27
23 52 23 00-0191 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	87,264.41	10,635.70
23 52 23 00-0192 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	92,951.08	11,181.11
23 52 23 00-0193 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	98,520.77	11,726.53
23 52 23 00-0194 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	104,594.54	12,271.96
23 52 23 00-0195 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	111,355.71	12,817.37
23 52 23 00-0196 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	116,797.05	13,362.79
23 52 23 00-0197 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	125,319.64	13,908.22
23 52 23 00-0198 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	130,423.52	14,453.64
23 52 23 00-0199 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	134,897.68	14,999.05
23 52 23 00-0200 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	143,009.79	15,544.48
23 52 23 00-0201 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	149,515.83	16,089.90
23 52 23 00-0202 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	158,448.66	16,635.31
23 52 23 00-0203 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	163,825.06	17,180.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0204 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394).....	170,005.11	17,726.16
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0205 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494).....	175,097.99	18,271.57
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0206 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594).....	180,339.82	18,817.00
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894).....	68,691.14	1,764.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0209 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994).....	74,779.21	1,899.91
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0210 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	80,676.92	2,035.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0211 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	86,242.80	2,171.33
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0212 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	91,147.60	2,171.33
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0213 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	95,357.93	2,307.03
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0214 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	101,455.28	2,307.03
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0215 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	106,775.02	2,442.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0216 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	114,637.39	2,442.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0217 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	119,619.88	2,578.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0218 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	123,431.40	2,578.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0219 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	131,426.03	2,714.15
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0220 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	137,269.09	2,714.15
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0221 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	146,079.58	2,849.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0222 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	150,794.01	2,849.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0223 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	156,850.83	2,985.57
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	161,281.06	2,985.57
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	166,403.61	3,121.28
Note: Fire tested factory assembled package cast iron unit.		
23 52 33 Water-Tube Boilers <small>(23 52)</small>		
23 52 33 13 Finned Water-Tube Boilers <small>(23 52 33)</small>		
23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler <small>(23 52 33 13)</small>		
Note: Rated by gross rated output.		
23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,584.77	837.77
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,554.85	930.85
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	12,162.99	1,117.03
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	15,327.43	1,163.57
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	18,029.59	1,396.29
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	22,122.70	1,675.55
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	25,024.31	1,768.63
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	27,679.05	1,908.26
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	30,119.32	2,001.34
23 52 33 13-0011 EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	32,241.37	2,047.89
23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler <small>(23 52 33 13)</small>		
Note: Rated by gross rated output.		
23 52 33 13-0013 EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	32,468.32	1,675.55
23 52 33 13-0014 EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	40,406.35	1,908.26
23 52 33 13-0015 EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	43,067.48	2,047.89
23 52 33 13-0016 EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	60,486.50	2,327.14
23 52 33 13-0017 EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	63,573.94	2,606.40
23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler <small>(23 52 33 13)</small>		
Note: Rated by gross rated output.		
23 52 33 13-0019 EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	14,405.80	751.74
For High And Low Gas Pressure Switch With Manual Reset, Add	518.18	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	459.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0020 EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	17,315.86 518.18 459.04	939.32
23 52 33 13-0021 EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	18,651.67 518.18 459.04	1,128.31
23 52 33 13-0022 EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	19,145.92 518.18 459.04	1,128.31
23 52 33 13-0023 EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	23,756.02 518.18 459.04	1,410.39
23 52 33 13-0024 EA 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	27,383.31 518.18 459.04	1,410.39
23 52 33 13-0025 EA 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	29,782.73 518.18 459.04	1,410.39
23 52 33 13-0026 EA 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	32,203.24 518.18 459.04	1,692.47
23 52 33 13-0027 EA 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	38,072.20 518.18 459.04	1,974.55
23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13) Note: Rated by gross rated output.		
23 52 33 13-0029 EA 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	14,064.78	1,033.25
23 52 33 13-0030 EA 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	15,151.19	930.85
23 52 33 13-0031 EA 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	16,807.02	1,117.03
23 52 33 13-0032 EA 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	17,850.76	1,268.08
23 52 33 13-0033 EA 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	19,829.19	1,396.29
23 52 33 13-0034 EA 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	21,320.96	1,502.91
23 52 33 13-0035 EA 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B).....	24,347.18	1,675.55
23 52 33 13-0036 EA 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B).....	28,202.86	1,768.63
23 52 33 13-0037 EA 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B).....	29,940.22	1,908.26
23 52 33 13-0038 EA 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B).....	35,630.49	1,954.80
23 52 33 13-0039 EA 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B).....	35,771.53	2,001.34
23 52 33 13-0040 EA 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B).....	41,711.43	2,047.89
23 52 33 16 Steel Water-Tube Boilers (23 52 33)		
23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with BAAQMD.		
23 52 33 16-0002 EA 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	88,155.62	2,256.63
23 52 33 16-0003 EA 1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	94,945.20	2,820.78
23 52 33 16-0004 EA 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	96,766.19	3,102.86
23 52 33 16-0005 EA 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	104,248.46	3,384.94
23 52 33 16-0006 EA 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	107,925.32	3,808.06
23 52 33 16-0007 EA 3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	119,147.61	4,231.17
23 52 33 16-0008 EA 4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	124,146.68	4,372.21
23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with BAAQMD.		
23 52 33 16-0010 EA 1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	102,870.75	2,538.70
23 52 33 16-0011 EA 1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	108,119.21	2,961.82
23 52 33 16-0012 EA 2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	111,199.24	3,243.90
23 52 33 16-0013 EA 2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	124,340.56	3,525.98
23 52 33 16-0014 EA 3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	128,992.19	3,808.06
23 52 33 16-0015 EA 3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	138,013.37	4,231.17
23 52 33 16-0016 EA 4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	146,131.75	4,513.25
23 52 33 16-0017 EA 5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	243,223.61	4,795.33



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Central Heating Equipment

23 50

Heating Boilers

23 52

23

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various boiler models and specifications such as '6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)'.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0007 EA 70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,002.95	2,171.33
23 52 39 13-0008 EA 80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,958.81	2,307.03
23 52 39 13-0009 EA 90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,671.45	2,374.89
23 52 39 13-0010 EA 100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,669.49	2,442.74
23 52 39 13-0011 EA 125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,132.48	2,714.15
23 52 39 13-0012 EA 150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,804.92	2,985.57
23 52 39 13-0013 EA 175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	134,709.47	3,290.92
23 52 39 13-0014 EA 200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,611.21	3,596.26
23 52 39 13-0015 EA 250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	154,949.79	4,206.94
23 52 39 13-0016 EA 300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	188,225.09	4,817.63
23 52 39 13-0017 EA 350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	203,930.00	5,428.32
23 52 39 13-0018 EA 400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	239,844.24	6,039.00
23 52 39 13-0019 EA 500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	290,795.06	6,649.68
23 52 39 13-0020 EA 600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	339,828.89	7,260.37
23 52 39 13-0021 EA 700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	386,767.99	7,871.06
23 52 39 13-0022 EA 800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	431,851.41	8,481.75
23 52 39 13-0023 EA 900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	669,340.74	9,092.43
23 52 39 13-0024 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	728,149.61	9,703.11
23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0026 EA 30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	60,766.56	1,492.79
23 52 39 13-0027 EA 40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,430.31	1,628.50
23 52 39 13-0028 EA 50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,059.53	1,764.21
23 52 39 13-0029 EA 60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,506.68	2,035.62
23 52 39 13-0030 EA 70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,896.34	2,171.33
23 52 39 13-0031 EA 80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,279.62	2,307.03
23 52 39 13-0032 EA 90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,400.42	2,374.89
23 52 39 13-0033 EA 100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,575.91	2,442.74
23 52 39 13-0034 EA 125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,232.32	2,714.15
23 52 39 13-0035 EA 150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,913.57	2,985.57
23 52 39 13-0036 EA 175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	134,829.86	3,290.92
23 52 39 13-0037 EA 200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,743.35	3,596.26
23 52 39 13-0038 EA 250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,087.79	4,206.94
23 52 39 13-0039 EA 300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	188,395.40	4,817.63
23 52 39 13-0040 EA 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	204,112.05	5,428.32
23 52 39 13-0041 EA 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	240,061.53	6,039.00
23 52 39 13-0042 EA 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	291,059.33	6,649.68
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	340,140.14	7,260.37
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	387,123.29	7,871.06
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	432,250.75	8,481.75
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	669,971.99	9,092.43
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	728,840.18	9,703.11



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0048				15 PSI Gas/Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0001)</small>		
			EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,538.84	1,492.79
			EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	72,712.33	1,628.50
			EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	78,969.93	1,764.21
			EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,129.70	2,035.62
			EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,751.32	2,171.33
			EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,366.57	2,307.03
			EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,716.40	2,374.89
			EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,067.17	2,442.74
			EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	112,290.28	2,714.15
			EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	127,538.24	2,985.57
			EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,900.85	3,290.92
			EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	152,257.72	3,596.26
			EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	160,848.82	4,206.94
			EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	195,442.52	4,817.63
			EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	211,711.19	5,428.32
			EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	249,058.35	6,039.00
			EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	302,079.26	6,649.68
			EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	353,100.96	7,260.37
			EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	401,942.79	7,871.06
			EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	448,846.71	8,481.75
			EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	496,374.48	9,092.43
			EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	575,589.75	9,703.11
23 52 39 13-0071				125 PSI Water Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072				125 PSI Gas Fired Water Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
			EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,410.41	1,628.50
			EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,824.53	1,764.21
			EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,380.32	2,035.62
			EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,366.94	2,171.33
			EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,496.95	2,307.03
			EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,140.02	2,374.89
			EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,732.09	2,442.74
			EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,668.58	2,714.15
			EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,475.20	2,985.57
			EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,640.17	3,290.92
			EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	157,140.78	3,596.26
			EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	190,120.79	4,206.94
			EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	221,299.58	4,817.63
			EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	238,707.53	5,428.32
			EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,314.99	6,039.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0088 EA 500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	322,201.72	6,649.68
23 52 39 13-0089 EA 600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	376,764.61	7,260.37
23 52 39 13-0090 EA 700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	428,997.86	7,871.06
23 52 39 13-0091 EA 800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	479,149.33	8,481.75
23 52 39 13-0092 EA 900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	744,578.52	9,092.43
23 52 39 13-0093 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	810,081.22	9,703.11
23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	71,796.20	1,628.50
23 52 39 13-0096 EA 50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,505.61	1,764.21
23 52 39 13-0097 EA 60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,259.04	2,035.62
23 52 39 13-0098 EA 70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,587.93	2,171.33
23 52 39 13-0099 EA 80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,907.51	2,307.03
23 52 39 13-0100 EA 90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,961.67	2,374.89
23 52 39 13-0101 EA 100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,001.33	2,442.74
23 52 39 13-0102 EA 125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,788.97	2,714.15
23 52 39 13-0103 EA 150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,604.39	2,985.57
23 52 39 13-0104 EA 175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,778.18	3,290.92
23 52 39 13-0105 EA 200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	157,284.66	3,596.26
23 52 39 13-0106 EA 250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	190,294.03	4,206.94
23 52 39 13-0107 EA 300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	221,502.18	4,817.63
23 52 39 13-0108 EA 350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	238,924.82	5,428.32
23 52 39 13-0109 EA 400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,558.70	6,039.00
23 52 39 13-0110 EA 500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	322,498.29	6,649.68
23 52 39 13-0111 EA 600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	377,114.03	7,260.37
23 52 39 13-0112 EA 700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	429,397.20	7,871.06
23 52 39 13-0113 EA 800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	479,595.65	8,481.75
23 52 39 13-0114 EA 900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	745,286.03	9,092.43
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	810,852.28	9,703.11
23 52 39 13-0116 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	79,865.16	1,628.50
23 52 39 13-0118 EA 50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,584.65	1,764.21
23 52 39 13-0119 EA 60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,918.56	2,035.62
23 52 39 13-0120 EA 70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,714.33	2,171.33
23 52 39 13-0121 EA 80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,503.72	2,307.03
23 52 39 13-0122 EA 90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	117,027.68	2,374.89
23 52 39 13-0123 EA 100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,552.59	2,442.74
23 52 39 13-0124 EA 125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,786.55	2,714.15
23 52 39 13-0125 EA 150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,048.29	2,985.57
23 52 39 13-0126 EA 175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	157,553.88	3,290.92
23 52 39 13-0127 EA 200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,239.48	3,596.26
23 52 39 13-0128 EA 250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	197,523.20	4,206.94



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Central Heating Equipment

23 50

Heating Boilers

23 52

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0129 EA 300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	229,929.36	4,817.63
23 52 39 13-0130 EA 350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	247,974.50	5,428.32
23 52 39 13-0131 EA 400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	276,659.57	6,039.00
23 52 39 13-0132 EA 500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	334,830.75	6,649.68
23 52 39 13-0133 EA 600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	391,616.41	7,260.37
23 52 39 13-0134 EA 700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	445,978.48	7,871.06
23 52 39 13-0135 EA 800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	498,164.81	8,481.75
23 52 39 13-0136 EA 900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	774,827.84	9,092.43
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	843,016.55	9,703.11
 23 52 39 13-0138 150 PSI Steam Scotch Marine Boilers <small>(23 52 39 13)</small>		
Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
 23 52 39 13-0139 150 PSI Gas Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,690.02	1,628.50
23 52 39 13-0141 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,415.76	1,764.21
23 52 39 13-0142 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,739.97	2,035.62
23 52 39 13-0143 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,597.77	2,171.33
23 52 39 13-0144 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,578.41	2,307.03
23 52 39 13-0145 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,025.13	2,374.89
23 52 39 13-0146 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,441.40	2,442.74
23 52 39 13-0147 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,319.30	2,714.15
23 52 39 13-0148 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,061.46	2,985.57
23 52 39 13-0149 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	171,172.44	3,290.92
23 52 39 13-0150 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	186,280.63	3,596.26
23 52 39 13-0151 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	196,386.85	4,206.94
23 52 39 13-0152 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	238,914.44	4,817.63
23 52 39 13-0153 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	258,569.90	5,428.32
23 52 39 13-0154 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	304,557.36	6,039.00
23 52 39 13-0155 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	370,066.35	6,649.68
23 52 39 13-0156 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,053.48	7,260.37
23 52 39 13-0157 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	493,355.68	7,871.06
23 52 39 13-0158 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	551,229.62	8,481.75
23 52 39 13-0159 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	859,237.86	9,092.43
23 52 39 13-0160 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	934,925.35	9,703.11
 23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,103.90	1,628.50
23 52 39 13-0163 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,260.00	1,764.21
23 52 39 13-0164 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,313.31	2,035.62
23 52 39 13-0165 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,560.36	2,171.33
23 52 39 13-0166 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,798.11	2,307.03
23 52 39 13-0167 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,770.43	2,374.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0168 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,716.51	2,442.74
23 52 39 13-0169 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,445.56	2,714.15
23 52 39 13-0170 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,205.34	2,985.57
23 52 39 13-0171 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	171,331.00	3,290.92
23 52 39 13-0172 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	186,453.87	3,596.26
23 52 39 13-0173 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	196,565.97	4,206.94
23 52 39 13-0174 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	239,134.66	4,817.63
23 52 39 13-0175 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	258,807.74	5,428.32
23 52 39 13-0176 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	304,839.24	6,039.00
23 52 39 13-0177 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	370,409.90	6,649.68
23 52 39 13-0178 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,458.69	7,260.37
23 52 39 13-0179 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	493,816.68	7,871.06
23 52 39 13-0180 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	551,746.41	8,481.75
23 52 39 13-0181 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	860,059.76	9,092.43
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	935,823.51	9,703.11
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0184 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,570.53	1,628.50
23 52 39 13-0185 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,542.92	1,764.21
23 52 39 13-0186 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,624.69	2,035.62
23 52 39 13-0187 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,171.25	2,171.33
23 52 39 13-0188 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,708.50	2,307.03
23 52 39 13-0189 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,983.26	2,374.89
23 52 39 13-0190 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,256.03	2,442.74
23 52 39 13-0191 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,722.10	2,714.15
23 52 39 13-0192 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,215.94	2,985.57
23 52 39 13-0193 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,920.06	3,290.92
23 52 39 13-0194 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	193,624.31	3,596.26
23 52 39 13-0195 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	204,056.47	4,206.94
23 52 39 13-0196 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	248,295.92	4,817.63
23 52 39 13-0197 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	268,685.45	5,428.32
23 52 39 13-0198 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	316,534.52	6,039.00
23 52 39 13-0199 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	384,739.04	6,649.68
23 52 39 13-0200 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	450,307.18	7,260.37
23 52 39 13-0201 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	513,081.75	7,871.06
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	573,322.34	8,481.75
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	894,380.45	9,092.43
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	973,194.56	9,703.11

23 53 Heating Boiler Feedwater Equipment (23 50)**23 53 13 Boiler Feedwater Pumps (23 53)**

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	------------------------------	--	---------------------------	-------------------------

23 53 16 00-0001		Boiler Feed System <small>(23 53 16)</small>		
23 53 16 00-0002		Low Pressure Boiler Feed System <small>(23 53 16 00-0001)</small>		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,701.04	1,763.08
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,404.17	2,077.09
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,985.14	2,149.86
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,278.08	2,228.74
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,829.74	2,381.92
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	15,085.72	2,581.05
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,941.82	2,757.21
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	19,409.57	3,140.15
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	21,315.98	3,369.92
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	22,948.75	3,599.69

23 53 16 00-0013		High Pressure Boiler Feed System <small>(23 53 16 00-0001)</small>		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,197.96	1,503.13
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,724.35	1,763.08
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,999.76	2,077.09
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,918.11	2,149.86
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,163.08	2,228.74
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,736.29	2,381.92
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,204.36	2,581.05
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,788.10	2,757.21
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	22,817.75	2,952.66
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	24,533.24	3,140.15
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	26,245.20	3,369.92
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	28,308.32	3,599.69

23 53 16 00-0026		Boiler Feedwater System <small>(23 53 16)</small>		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	12,844.68	2,077.09
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	16,579.48	2,379.62
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	21,672.25	2,723.51
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	26,004.73	3,141.68
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	27,616.19	3,369.92
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	29,162.27	3,599.69
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	32,522.98	4,135.96
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	41,762.50	4,748.83
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	53,878.61	5,487.15
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	67,929.66	6,298.68
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	86,597.40	7,246.86

23 53 16 00-0038		Duplex Vacuum Condensate Pumps <small>(23 53 16)</small>		
23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	33,460.80	1,225.42
		Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	34,236.44	1,302.01
		Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	35,125.26	1,378.60
		Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump.....	33,970.73	1,455.19
		Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	45,956.88	1,531.78
		Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	48,373.56	1,608.37
		Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		

23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13		Electric-Resistance Furnaces <small>(23 54)</small>		
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,279.44	141.41
		Note: Excludes cooling equipment.		
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	1,680.56	176.77
		Note: Excludes cooling equipment.		
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	2,158.17	212.12
		Note: Excludes cooling equipment.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0006 EA Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace..... Note: Excludes cooling equipment.	1,279.44	141.41
23 54 13 00-0007 EA >2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,520.63	159.10
23 54 13 00-0008 EA >2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,664.63	176.77
23 54 13 00-0009 EA >3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,751.27	194.45
23 54 13 00-0010 EA >3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,158.17	212.12
23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0012 EA 5 KW Heating Coil For Air Handler/Electric Furnace .....241.64	241.64	38.51
23 54 13 00-0013 EA 7 KW Heating Coil For Air Handler/Electric Furnace .....274.56	274.56	42.36
23 54 13 00-0014 EA 10 KW Heating Coil For Air Handler/Electric Furnace .....297.93	297.93	46.21
23 54 13 00-0015 EA 15 KW Heating Coil For Air Handler/Electric Furnace .....393.00	393.00	50.05
23 54 13 00-0016 EA 20 KW Heating Coil For Air Handler/Electric Furnace .....424.33	424.33	53.90
23 54 16 Fuel-Fired Furnaces <small>(23 54)</small>		
23 54 16 13 Gas-Fired Furnaces <small>(23 54 16)</small>		
23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>		
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0003 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,916.17	123.73
23 54 16 13-0004 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,050.60	141.41
23 54 16 13-0005 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,361.89	159.10
23 54 16 13-0006 EA 100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,769.39	194.45
23 54 16 13-0007 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,959.60	212.12
23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0009 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,120.10	123.73
23 54 16 13-0010 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,327.83	141.41
23 54 16 13-0011 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,477.83	159.10
23 54 16 13-0012 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,188.71	176.77
23 54 16 13-0013 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,930.31	194.45
23 54 16 13-0014 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,096.62	212.12
23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0016 EA 45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,881.04	123.73
23 54 16 13-0017 EA 70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,158.88	141.41
23 54 16 13-0018 EA 90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,364.02	176.77
23 54 16 13-0019 EA 90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,530.33	194.45
23 54 16 13-0020 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0021 EA 40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,432.39	123.73
23 54 16 13-0022 EA 60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,573.20	141.41
23 54 16 13-0023 EA 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,866.96	159.10
23 54 16 13-0024 EA 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	3,151.78	194.45
23 54 16 13-0025 EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,381.82	212.12
23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,721.78	123.73
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,825.94	141.41
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,038.45	159.10
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,054.38	159.10
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,244.59	176.77
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,374.26	194.45
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,523.03	212.12
23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,232.63	123.73
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,354.33	141.41
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,546.12	159.10
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,547.71	159.10
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,701.27	176.77
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,759.24	194.45
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,951.04	212.12
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,248.57	123.73
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,359.11	141.41
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,617.82	159.10
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,782.53	176.77
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace Note: Blower cooling capacity up to 3 tons.	2,019.06	106.06
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace Note: Blower cooling capacity up to 3 tons.	2,340.22	132.65
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Blower cooling capacity up to 3 tons.	1,835.83	106.06
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Blower cooling capacity up to 3 tons.	1,963.60	114.97
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Blower cooling capacity up to 3 tons.	1,955.93	123.73
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Blower cooling capacity up to 3 tons.	2,020.05	132.65
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Blower cooling capacity up to 3 tons.	2,087.08	132.65
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	2,599.56	275.76
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	2,904.59	339.39
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,325.34	487.88
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,750.96	551.52
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	4,370.18	636.36
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	4,820.20	763.64
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	5,539.39	1,018.19
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	2,902.47	275.76
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,202.98	339.39
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,735.25	487.88
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	4,234.72	551.52
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	5,205.08	636.36
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	5,725.93	763.64
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	6,395.39	1,018.19
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace <small>(23 54 16 16-0001)</small>		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	3,229.64	141.41
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	3,476.81	194.45
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	4,018.14	229.80
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace <small>(23 54 16 16-0001)</small>		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	3,773.17	194.45
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,838.10	229.80
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace <small>(23 54 16 16-0001)</small>		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	3,288.80	194.45
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,903.43	229.80
23 54 19 Furnace Accessories <small>(23 54)</small>		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit.....	231.09	35.35
23 54 19 00-0002 EA 1" Furnace External Filter Rack.....	69.22	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace..... Note: Includes storage and cleaning. Excludes ductwork.	654.70	
23 55 Fuel-Fired Heaters <small>(23 50)</small>		
23 55 23 Gas-Fired Radiant Heaters <small>(23 55)</small>		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters <small>(23 55 23)</small>		
23 55 23 13-0001 Infrared Heaters-Radiant Energy <small>(23 55 23 13)</small>		
Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater <small>(23 55 23 13-0001)</small>		
Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,021.74	153.18
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,146.79	168.49
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,215.65	168.49
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,516.15	202.20
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,527.76	202.20
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater <small>(23 55 23 13-0001)</small>		
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,128.42 164.26	155.56
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,199.18 181.95	155.56
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,280.05 202.17	155.56
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,377.27 226.47	155.56
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,497.33 252.36	169.70
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,596.63 271.77	183.84
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	2,507.39 485.30	197.98
23 55 23 13-0016 Gas Fired Tubular Infrared Heater <small>(23 55 23 13-0001)</small>		
Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017 "U" Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater.....	97.37	7.66
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater.....	112.59	9.19
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater.....	136.91	10.72
23 55 23 13-0021 "S" Straight Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater.....	79.42	6.12
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater.....	100.56	7.66
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater.....	121.68	9.19



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	---------------------	------------------------	----------------------

23 55 33 Fuel-Fired Unit Heaters (23 55)

23 55 33 13 Oil-Fired Unit Heaters (23 55 33)

23 55 33 13-0001 Oil Fired Unit Heater (23 55 33 13)

23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)

23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,421.26	705.20
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	9,042.91	775.71
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	9,719.53	846.23

23 55 33 16 Gas-Fired Unit Heaters (23 55 33)

23 55 33 16-0001 Gas Fired Unit Heaters (23 55 33 16)

23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)

23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,149.18	264.45
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,366.31	317.34
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,400.25	317.34
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,633.73	370.22
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,905.16	423.12
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,115.55	449.56
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,201.13	449.56
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,127.79	449.56
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,690.01	476.01
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,024.12	476.01
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,301.19	476.01
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,121.55	528.90
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,749.02	528.90
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,175.22	581.78

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	880.77	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,187.13	

23 57 Heat Exchangers for HVAC (23 50)

23 57 13 Steam-To-Steam Heat Exchangers (23 57)

23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	22,954.13	2,450.85
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	30,696.11	2,604.03
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	41,075.58	3,118.60

23 57 16 Steam-To-Water Heat Exchangers (23 57)

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,660.47	382.95
		<i>For Bronze Head And Tube Sheet, Add</i>	967.45	
		<i>For Copper Nickel Tubes, Add</i>	214.99	
		<i>For Double Wall Tube Bundles, Add</i>	322.48	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,868.25	382.95
		<i>For Bronze Head And Tube Sheet, Add</i>	1,464.99	
		<i>For Copper Nickel Tubes, Add</i>	325.55	
		<i>For Double Wall Tube Bundles, Add</i>	488.33	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,802.76	536.12
		<i>For Bronze Head And Tube Sheet, Add</i>	2,266.59	
		<i>For Copper Nickel Tubes, Add</i>	503.69	
		<i>For Double Wall Tube Bundles, Add</i>	755.53	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,209.94	536.12
		<i>For Bronze Head And Tube Sheet, Add</i>	3,455.17	
		<i>For Copper Nickel Tubes, Add</i>	767.82	
		<i>For Double Wall Tube Bundles, Add</i>	1,151.72	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	12,111.32	631.09
		<i>For Bronze Head And Tube Sheet, Add</i>	4,588.47	
		<i>For Copper Nickel Tubes, Add</i>	1,019.66	
		<i>For Double Wall Tube Bundles, Add</i>	1,529.49	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,845.41	773.12
		<i>For Bronze Head And Tube Sheet, Add</i>	6,025.82	
		<i>For Copper Nickel Tubes, Add</i>	1,339.07	
		<i>For Double Wall Tube Bundles, Add</i>	2,008.61	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	19,591.67	1,160.41
		<i>For Bronze Head And Tube Sheet, Add</i>	7,380.24	
		<i>For Copper Nickel Tubes, Add</i>	1,640.05	
		<i>For Double Wall Tube Bundles, Add</i>	2,460.08	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0009 EA 240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	29,541.80	1,160.41
<i>For Bronze Head And Tube Sheet, Add</i>	11,498.81	
<i>For Copper Nickel Tubes, Add</i>	2,555.29	
<i>For Double Wall Tube Bundles, Add</i>	3,832.94	
23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)		
23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)		
23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)		
23 57 19 13-0002 EA 8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	4,188.00	382.95
23 57 19 13-0003 EA 8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	5,523.46	382.95
23 57 19 13-0004 EA 11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	7,345.89	459.53
23 57 19 13-0005 EA 16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	9,926.57	497.83
23 57 19 13-0006 EA 16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	10,844.70	497.83
23 57 19 13-0007 EA 24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	14,093.08	536.12
23 57 19 13-0008 EA 26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	14,844.27	536.12
23 57 19 13-0009 EA 24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	18,335.97	612.71
23 57 19 13-0010 EA 24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	22,411.94	689.30
23 57 19 13-0011 EA 26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	23,246.60	689.30
23 57 19 13-0012 EA 24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	28,722.04	783.28
23 57 19 13-0013 EA 26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	34,640.54	861.46
23 57 19 13-0014 EA 40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	39,974.60	939.65
23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)		
23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)		
<i>Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.</i>		
23 57 19 19-0002 EA 7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,151.88	382.95
<i>For Copper Nickel Tubes, Add</i>	264.13	
<i>For Double Wall Tube Bundles, Add</i>	396.19	
23 57 19 19-0003 EA 16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,359.65	382.95
<i>For Copper Nickel Tubes, Add</i>	374.69	
<i>For Double Wall Tube Bundles, Add</i>	562.04	
23 57 19 19-0004 EA 34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,478.44	536.12
<i>For Copper Nickel Tubes, Add</i>	571.26	
<i>For Double Wall Tube Bundles, Add</i>	856.88	
23 57 19 19-0005 EA 55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,252.17	536.12
<i>For Copper Nickel Tubes, Add</i>	823.10	
<i>For Double Wall Tube Bundles, Add</i>	1,234.65	
23 57 19 19-0006 EA 74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,467.15	612.71
<i>For Copper Nickel Tubes, Add</i>	1,013.52	
<i>For Double Wall Tube Bundles, Add</i>	1,520.28	
23 57 19 19-0007 EA 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,248.81	612.71
<i>For Copper Nickel Tubes, Add</i>	1,363.64	
<i>For Double Wall Tube Bundles, Add</i>	2,045.46	
23 57 19 19-0008 EA 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	18,830.50	580.21
<i>For Copper Nickel Tubes, Add</i>	1,695.34	
<i>For Double Wall Tube Bundles, Add</i>	2,543.01	
23 57 19 19-0009 EA 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	23,409.66	580.21
<i>For Copper Nickel Tubes, Add</i>	2,113.03	
<i>For Double Wall Tube Bundles, Add</i>	3,169.54	
23 57 19 19-0010 EA 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	29,928.14	580.21
<i>For Copper Nickel Tubes, Add</i>	2,702.71	
<i>For Double Wall Tube Bundles, Add</i>	4,054.07	
23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)		
23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)		
23 57 19 23-0002 EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	3,569.34	306.36
<i>For Copper Nickel Tubes, Add</i>	295.66	
<i>For Double Wall Tube Bundles, Add</i>	443.49	
23 57 19 23-0003 EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	9,383.05	510.54
<i>For Copper Nickel Tubes, Add</i>	836.19	
<i>For Double Wall Tube Bundles, Add</i>	1,254.28	
23 57 19 23-0004 EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	12,633.77	666.02
<i>For Copper Nickel Tubes, Add</i>	1,130.41	
<i>For Double Wall Tube Bundles, Add</i>	1,695.62	
23 57 19 23-0005 EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	13,590.57	806.18
<i>For Copper Nickel Tubes, Add</i>	1,198.16	
<i>For Double Wall Tube Bundles, Add</i>	1,797.23	
23 57 19 23-0006 EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	16,328.83	921.51
<i>For Copper Nickel Tubes, Add</i>	1,445.61	
<i>For Double Wall Tube Bundles, Add</i>	2,168.42	

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 61 Refrigerant Compressors (23 60)

23 61 16 Reciprocating Refrigerant Compressors (23 61)

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

Table with columns for UOM, Description, and Unit Cost. Lists various reciprocating open type refrigerant compressors from 1/4 ton to 250 tons.

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

Table with columns for UOM, Description, and Unit Cost. Lists reciprocating hermetic type refrigerant compressors under 5 tons.

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)

Table with columns for UOM, Description, and Unit Cost. Lists reciprocating hermetic type refrigerant compressors from 5 tons to 70 tons.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0069 EA 75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,107.54	2,484.95
23 61 16 00-0070 EA 80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,135.26	2,494.60
23 61 16 00-0071 EA 90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	40,054.97	2,611.98
23 61 16 00-0072 EA 100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,989.39	2,720.00
23 61 19 Scroll Refrigerant Compressors (23 61)		
23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)		
23 61 19 00-0002 EA Up To 3 Ton Scroll Refrigerant Compressor	1,430.97	232.06
23 61 19 00-0003 EA 3.5 Ton Scroll Refrigerant Compressor	1,502.69	246.99
23 61 19 00-0004 EA 4 Ton Scroll Refrigerant Compressor	1,544.58	261.24
23 61 19 00-0005 EA 4.5 Ton Scroll Refrigerant Compressor	1,576.25	268.70
23 61 19 00-0006 EA 5 Ton Scroll Refrigerant Compressor	1,956.80	339.27
23 61 19 00-0007 EA 7.5 Ton Scroll Refrigerant Compressor	3,640.76	508.90
23 61 19 00-0008 EA 8.75 Ton Scroll Refrigerant Compressor	4,172.77	593.72
23 61 19 00-0009 EA 10 Ton Scroll Refrigerant Compressor	4,683.41	678.55
23 61 19 00-0010 EA 12 Ton Scroll Refrigerant Compressor	5,656.52	814.25
23 61 19 00-0011 EA 13.5 Ton Scroll Refrigerant Compressor	6,642.17	916.03
23 61 19 00-0012 EA 15 Ton Scroll Refrigerant Compressor	7,755.53	1,017.81
23 61 19 00-0013 EA 20 Ton Scroll Refrigerant Compressor	10,882.02	1,357.08
23 61 19 00-0014 EA 25 Ton Scroll Refrigerant Compressor	12,371.71	1,696.36
23 61 19 00-0015 EA 30 Ton Scroll Refrigerant Compressor	13,365.98	2,035.63
23 61 23 Rotary-Screw Refrigerant Compressors (23 61)		
23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)		
23 61 23 00-0002 EA 75 Ton Refrigerant Compressor, Rotary Screw Type	43,595.01	3,457.17
23 61 23 00-0003 EA 80 Ton Refrigerant Compressor, Rotary Screw Type	44,896.99	3,499.65
23 61 23 00-0004 EA 90 Ton Refrigerant Compressor, Rotary Screw Type	47,716.42	3,584.60
23 61 23 00-0005 EA 100 Ton Refrigerant Compressor, Rotary Screw Type	50,508.34	3,669.83
23 61 23 00-0006 EA 110 Ton Refrigerant Compressor, Rotary Screw Type	54,029.18	3,753.54
23 61 23 00-0007 EA 120 Ton Refrigerant Compressor, Rotary Screw Type	57,285.38	3,837.55
23 61 23 00-0008 EA 130 Ton Refrigerant Compressor, Rotary Screw Type	60,460.85	3,886.40
23 61 23 00-0009 EA 140 Ton Refrigerant Compressor, Rotary Screw Type	63,770.64	4,006.63
23 61 23 00-0010 EA 150 Ton Refrigerant Compressor, Rotary Screw Type	67,030.59	4,090.65
23 61 23 00-0011 EA 170 Ton Refrigerant Compressor, Rotary Screw Type	71,605.46	4,202.73
23 61 23 00-0012 EA 185 Ton Refrigerant Compressor, Rotary Screw Type	74,810.22	4,247.92
23 61 23 00-0013 EA 200 Ton Refrigerant Compressor, Rotary Screw Type	76,314.76	4,318.22
23 61 23 00-0014 EA 215 Ton Refrigerant Compressor, Rotary Screw Type	85,595.57	4,609.45
23 61 23 00-0015 EA 225 Ton Refrigerant Compressor, Rotary Screw Type	94,726.72	4,857.94
23 62 Packaged Compressor and Condenser Units (23 62)		
23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)		
23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)		
Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0002 EA 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,385.14	1,253.94
23 62 13 00-0003 EA 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	15,799.95	1,343.51
23 62 13 00-0004 EA 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	27,373.61	1,433.08
23 62 13 00-0005 EA 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	32,355.92	1,522.65
23 62 13 00-0006 EA 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	38,307.54	1,612.21
23 62 13 00-0007 EA 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,456.23	1,791.35
23 62 13 00-0008 EA 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	43,567.82	1,885.25
23 62 13 00-0009 EA 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	46,901.18	2,149.31
23 62 13 00-0010 EA 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	50,055.19	2,328.41
23 62 13 00-0011 EA 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	57,321.77	2,507.52
23 62 13 00-0012 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	64,788.75	2,776.19
23 62 13 00-0013 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	68,461.09	2,885.17
23 62 13 00-0014 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	77,240.37	3,065.50
23 62 13 00-0015 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	84,395.34	3,245.82
23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)		
Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0017 EA 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,072.11	1,253.94
23 62 13 00-0018 EA 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	14,018.26	1,343.51
23 62 13 00-0019 EA 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	21,609.58	1,433.08
23 62 13 00-0020 EA 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,329.16	1,522.65
23 62 13 00-0021 EA 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,048.71	1,612.21
23 62 13 00-0022 EA 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	29,639.74	1,791.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0023 EA 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	33,381.69	1,885.25
23 62 13 00-0024 EA 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	42,708.97	2,149.31
23 62 13 00-0025 EA 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,875.90	2,328.41
23 62 13 00-0026 EA 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	51,763.55	2,507.52
23 62 13 00-0027 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	59,553.02	2,776.19
23 62 13 00-0028 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	63,059.29	2,885.17
23 62 13 00-0029 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	69,144.42	3,065.50
23 62 13 00-0030 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	78,776.80	3,245.82

23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser ^(23 62 13)

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032 EA 15 Ton Packaged Chiller With Remote Air Cooled Condensers	38,829.10	10,442.86
<i>For Gas Fired Engine Driven, Add</i>	6,200.18	
23 62 13 00-0033 EA 20 Ton Packaged Chiller With Remote Air Cooled Condensers	43,369.58	11,007.32
<i>For Gas Fired Engine Driven, Add</i>	7,023.65	
23 62 13 00-0034 EA 25 Ton Packaged Chiller With Remote Air Cooled Condensers	49,863.27	11,978.44
<i>For Gas Fired Engine Driven, Add</i>	8,176.78	
23 62 13 00-0035 EA 30 Ton Packaged Chiller With Remote Air Cooled Condensers	55,351.56	12,727.17
<i>For Gas Fired Engine Driven, Add</i>	9,162.19	
23 62 13 00-0036 EA 40 Ton Packaged Chiller With Remote Air Cooled Condensers	68,072.25	14,043.75
<i>For Gas Fired Engine Driven, Add</i>	11,508.94	
23 62 13 00-0037 EA 50 Ton Packaged Chiller With Remote Air Cooled Condensers	74,533.45	14,545.25
<i>For Gas Fired Engine Driven, Add</i>	12,725.98	
23 62 13 00-0038 EA 60 Ton Packaged Chiller With Remote Air Cooled Condensers	80,912.63	15,664.14
<i>For Gas Fired Engine Driven, Add</i>	13,834.07	
23 62 13 00-0039 EA 70 Ton Packaged Chiller With Remote Air Cooled Condensers	97,142.74	16,760.10
<i>For Gas Fired Engine Driven, Add</i>	16,884.39	
23 62 13 00-0040 EA 75 Ton Packaged Chiller With Remote Air Cooled Condensers	98,238.82	17,084.55
<i>For Gas Fired Engine Driven, Add</i>	17,086.35	
23 62 13 00-0041 EA 80 Ton Packaged Chiller With Remote Air Cooled Condensers	100,276.03	17,827.42
<i>For Gas Fired Engine Driven, Add</i>	17,382.43	
23 62 13 00-0042 EA 90 Ton Packaged Chiller With Remote Air Cooled Condensers	110,595.84	18,637.79
<i>For Gas Fired Engine Driven, Add</i>	19,324.90	
23 62 13 00-0043 EA 100 Ton Packaged Chiller With Remote Air Cooled Condensers	121,721.68	19,525.33
<i>For Gas Fired Engine Driven, Add</i>	21,417.01	
23 62 13 00-0044 EA 110 Ton Packaged Chiller With Remote Air Cooled Condensers	134,286.62	20,501.53
<i>For Gas Fired Engine Driven, Add</i>	23,783.63	
23 62 13 00-0045 EA 120 Ton Packaged Chiller With Remote Air Cooled Condensers	144,859.99	21,580.61
<i>For Gas Fired Engine Driven, Add</i>	25,736.53	
23 62 13 00-0046 EA 140 Ton Packaged Chiller With Remote Air Cooled Condensers	159,251.35	22,779.48
<i>For Gas Fired Engine Driven, Add</i>	28,435.06	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units ^(23 62)

23 62 23 00-0001 Water Cooled Condensing Units ^(23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,428.24	980.22
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,767.98	1,431.55
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,593.34	1,551.43
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,078.46	1,861.72
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	19,579.69	2,190.34
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	40,900.52	3,108.34
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	50,736.29	3,751.50
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	69,915.45	4,104.72

23 63 Refrigerant Condensers ^(23 60)

23 63 13 Air-Cooled Refrigerant Condensers ^(23 63)

23 63 13 00-0001 Air Cooled Condensing Units ^(23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002 EA 6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,222.21	980.22
<i>For >10 To 25, Deduct</i>	-172.13	
<i>For >25 To 50, Deduct</i>	-286.88	
<i>For >50, Deduct</i>	-459.01	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,117.04	
<i>For Winter Start Control, Add</i>	377.97	
23 63 13 00-0003 EA 7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,648.10	1,163.57
<i>For >10 To 25, Deduct</i>	-206.55	
<i>For >25 To 50, Deduct</i>	-344.26	
<i>For >50, Deduct</i>	-550.81	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	991.56	
<i>For Winter Start Control, Add</i>	314.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 63 Refrigerant Condensers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63	13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,226.75	1,431.55
			<i>For >10 To 25, Deduct</i>	-271.71	
			<i>For >25 To 50, Deduct</i>	-452.85	
			<i>For >50, Deduct</i>	-724.55	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,176.44	
			<i>For Winter Start Control, Add</i>	398.12	
23 63	13 00-0005	EA	12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,831.93	1,489.37
			<i>For >10 To 25, Deduct</i>	-347.26	
			<i>For >25 To 50, Deduct</i>	-578.77	
			<i>For >50, Deduct</i>	-926.02	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,374.43	
			<i>For Winter Start Control, Add</i>	457.17	
23 63	13 00-0006	EA	15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	16,444.33	1,551.43
			<i>For >10 To 25, Deduct</i>	-422.81	
			<i>For >25 To 50, Deduct</i>	-704.68	
			<i>For >50, Deduct</i>	-1,127.49	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,433.28	
			<i>For Winter Start Control, Add</i>	376.00	
23 63	13 00-0007	EA	20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,165.67	1,861.72
			<i>For >10 To 25, Deduct</i>	-550.35	
			<i>For >25 To 50, Deduct</i>	-917.24	
			<i>For >50, Deduct</i>	-1,467.59	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,805.89	
			<i>For Winter Start Control, Add</i>	465.53	
23 63	13 00-0008	EA	25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	24,056.80	2,002.76
			<i>For >10 To 25, Deduct</i>	-630.75	
			<i>For >25 To 50, Deduct</i>	-1,051.25	
			<i>For >50, Deduct</i>	-1,682.00	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,914.33	
			<i>For Winter Start Control, Add</i>	513.43	
23 63	13 00-0009	EA	30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	27,567.29	2,186.11
			<i>For >10 To 25, Deduct</i>	-727.79	
			<i>For >25 To 50, Deduct</i>	-1,212.98	
			<i>For >50, Deduct</i>	-1,940.77	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,039.90	
			<i>For Winter Start Control, Add</i>	573.36	
23 63	13 00-0010	EA	40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	37,661.13	2,472.55
			<i>For >10 To 25, Deduct</i>	-1,015.44	
			<i>For >25 To 50, Deduct</i>	-1,692.40	
			<i>For >50, Deduct</i>	-2,707.84	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,645.69	
			<i>For Winter Start Control, Add</i>	719.80	
23 63	13 00-0011	EA	50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	45,746.26	3,108.34
			<i>For >10 To 25, Deduct</i>	-1,228.58	
			<i>For >25 To 50, Deduct</i>	-2,047.63	
			<i>For >50, Deduct</i>	-3,276.20	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,836.53	
			<i>For Winter Start Control, Add</i>	684.13	
23 63	13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	52,672.24	3,430.66
			<i>For >10 To 25, Deduct</i>	-1,425.63	
			<i>For >25 To 50, Deduct</i>	-2,376.06	
			<i>For >50, Deduct</i>	-3,801.69	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,188.62	
			<i>For Winter Start Control, Add</i>	752.72	
23 63	13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	68,167.39	3,751.50
			<i>For >10 To 25, Deduct</i>	-1,871.46	
			<i>For >25 To 50, Deduct</i>	-3,119.09	
			<i>For >50, Deduct</i>	-4,990.55	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,941.65	
			<i>For Winter Start Control, Add</i>	890.46	
23 63	13 00-0014	EA	100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	93,979.81	3,377.82
			<i>For >10 To 25, Deduct</i>	-2,613.11	
			<i>For >25 To 50, Deduct</i>	-4,355.18	
			<i>For >50, Deduct</i>	-6,968.29	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	4,332.16	
			<i>For Winter Start Control, Add</i>	1,123.14	
23 63	13 00-0015	EA	120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	115,699.99	3,492.32
			<i>For >10 To 25, Deduct</i>	-3,257.72	
			<i>For >25 To 50, Deduct</i>	-5,429.53	
			<i>For >50, Deduct</i>	-8,687.25	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	5,035.05	

23 63 13 00-0016 Air Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63	13 00-0017	EA	1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,323.42	460.20
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-48.99	
			<i>For >25 To 50, Deduct</i>	-81.66	
			<i>For >50, Deduct</i>	-130.65	
			<i>For 15 SEER, Add</i>	391.95	
			<i>For 16 SEER, Add</i>	669.58	
			<i>For 18 SEER, Add</i>	1,404.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018 EA 2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,504.19	511.59
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-52.12	
<i>For >25 To 50, Deduct</i>	-86.86	
<i>For >50, Deduct</i>	-138.97	
<i>For 15 SEER, Add</i>	416.92	
<i>For 16 SEER, Add</i>	712.24	
<i>For 18 SEER, Add</i>	1,493.97	
23 63 13 00-0019 EA 2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,663.77	562.75
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-54.60	
<i>For >25 To 50, Deduct</i>	-91.00	
<i>For >50, Deduct</i>	-145.61	
<i>For 15 SEER, Add</i>	436.82	
<i>For 16 SEER, Add</i>	746.23	
<i>For 18 SEER, Add</i>	1,565.26	
23 63 13 00-0020 EA 3 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,049.11	613.60
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-63.86	
<i>For >25 To 50, Deduct</i>	-106.44	
<i>For >50, Deduct</i>	-170.30	
<i>For 15 SEER, Add</i>	510.89	
<i>For 16 SEER, Add</i>	872.77	
<i>For 18 SEER, Add</i>	1,830.68	
23 63 13 00-0021 EA 3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,233.38	665.07
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-67.09	
<i>For >25 To 50, Deduct</i>	-111.81	
<i>For >50, Deduct</i>	-178.90	
<i>For 15 SEER, Add</i>	536.71	
<i>For 16 SEER, Add</i>	916.87	
<i>For 18 SEER, Add</i>	1,923.20	
23 63 13 00-0022 EA 4 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,595.80	716.22
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-75.66	
<i>For >25 To 50, Deduct</i>	-126.10	
<i>For >50, Deduct</i>	-201.76	
<i>For 15 SEER, Add</i>	605.28	
<i>For 16 SEER, Add</i>	1,034.02	
<i>For 18 SEER, Add</i>	2,168.91	
23 63 13 00-0023 EA 5 Ton, 14 SEER, Air Cooled Condensing Unit.....	4,045.42	767.01
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-86.85	
<i>For >25 To 50, Deduct</i>	-144.75	
<i>For >50, Deduct</i>	-231.59	
<i>For 15 SEER, Add</i>	694.78	
<i>For 16 SEER, Add</i>	1,186.92	
<i>For 18 SEER, Add</i>	2,489.63	
23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit <small>(23 63 13)</small>		
Note: Includes storage and cleaning.		
23 63 13 00-0025 EA Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	471.38	
23 63 13 00-0026 EA Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,767.68	
23 63 13 00-0027 EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,963.01	

23 64 Packaged Water Chillers (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers (23 64)

23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002 EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	201,401.49	14,247.29
<i>For Two Stage Unit, Add</i>	129,583.22	
23 64 13 16-0003 EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	253,576.98	16,393.03
<i>For Two Stage Unit, Add</i>	164,389.46	
23 64 13 16-0004 EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	320,050.82	17,622.51
<i>For Two Stage Unit, Add</i>	209,937.57	
23 64 13 16-0005 EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	355,170.98	18,851.98
<i>For Two Stage Unit, Add</i>	233,538.10	
23 64 13 16-0006 EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	395,892.80	19,398.41
<i>For Two Stage Unit, Add</i>	261,606.22	
23 64 13 16-0007 EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	445,162.01	20,081.46
<i>For Two Stage Unit, Add</i>	295,548.24	
23 64 13 16-0008 EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	477,011.90	20,764.51
<i>For Two Stage Unit, Add</i>	317,296.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0009 EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	566,294.20 378,920.04	21,857.37
23 64 13 16-0010 EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	632,982.74 425,055.58	22,540.41
23 64 13 16-0011 EA 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	764,993.68 516,916.80	23,223.45
23 64 13 16-0012 EA 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	829,239.88 560,577.71	24,862.76
23 64 13 16-0013 EA 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	888,858.05 601,108.27	26,365.45
23 64 13 16-0014 EA 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	951,583.74 644,313.01	27,244.50
23 64 13 16-0015 EA 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,088,045.35 739,251.38	27,909.00
23 64 13 16-0016 EA 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,191,263.08 810,281.12	29,503.81
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,389,888.41 948,255.64	30,832.80
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,622,990.37 1,110,682.79	31,763.11

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	151,586.27 5,562.65	7,794.21
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	165,539.83 6,107.94	7,991.60
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	182,391.45 6,769.12	8,194.74
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	198,880.22 7,407.56	8,523.28
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	215,046.13 8,023.27	9,004.56
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	230,622.46 8,616.25	9,472.71
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	245,711.25 9,186.43	9,992.10
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	260,190.66 9,733.94	10,484.85
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	274,030.36 10,258.66	10,934.15
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	287,149.88 10,760.64	11,288.93
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	300,029.46 11,239.89	11,848.20
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	312,176.81 11,696.41	12,305.29
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	323,746.30 12,130.20	12,756.51
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	334,584.11 12,541.26	13,105.96
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	354,176.91 13,295.11	13,570.70
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	371,223.88 13,958.03	13,865.77
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	386,623.03 14,529.96	14,551.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	399,765.53 15,010.96	15,246.89
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	410,750.43 15,401.17	16,012.30
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	436,221.29 16,370.36	16,784.83
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	461,513.18 17,332.57	17,554.89
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	486,745.75 18,287.64	18,398.85
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	511,935.37 19,235.52	19,328.06
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	535,710.34 20,176.20	19,698.71
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	581,596.88 21,819.01	22,729.36
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	625,795.90 23,393.77	25,768.65
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	667,372.41 24,900.32	28,230.62
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	705,740.26 26,338.68	29,746.48
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	742,319.73 27,708.65	31,212.77
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	776,318.53 29,011.09	32,117.55
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	810,730.66 30,245.13	34,358.24
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	842,540.38 31,410.98	36,034.25
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	873,437.39 32,508.63	38,208.76
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	901,345.81 33,538.22	39,573.38
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	959,384.47 35,814.03	41,813.40
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	1,012,035.04 37,663.92	44,322.16

23 64 23 Scroll Water Chillers (23 64)

23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)

23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.

23 64 23 13-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller	26,201.93	2,225.87
23 64 23 13-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller	38,068.68	2,254.41
23 64 23 13-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller	41,526.27	2,411.35
23 64 23 13-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller	45,651.77	2,582.57
23 64 23 13-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller	46,453.95	2,753.79
23 64 23 13-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller	49,043.29	2,953.55
23 64 23 13-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller	55,993.47	3,196.11
23 64 23 13-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller	60,143.18	3,467.21
23 64 23 13-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller	63,470.23	3,567.09
23 64 23 13-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller	66,288.51	3,724.05
23 64 23 13-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller	68,516.57	3,852.46
23 64 23 13-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller	78,997.60	4,337.58
23 64 23 13-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller	85,075.80	4,751.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 13-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller	86,588.54	4,765.63
23 64 23 13-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller	91,493.24	4,779.90
23 64 23 13-0017 EA 110 Ton Packaged Air Cooled Scroll Water Chiller	96,264.37	4,794.17
23 64 23 13-0018 EA 120 Ton Packaged Air Cooled Scroll Water Chiller	101,094.77	4,808.44
23 64 23 13-0019 EA 130 Ton Packaged Air Cooled Scroll Water Chiller	106,177.14	4,822.71

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002 EA 20 Ton Packaged Water Cooled Scroll Water Chiller	27,268.91	2,604.56
23 64 23 16-0003 EA 25 Ton Packaged Water Cooled Scroll Water Chiller	31,199.75	2,683.24
23 64 23 16-0004 EA 30 Ton Packaged Water Cooled Scroll Water Chiller	34,594.86	2,945.64
23 64 23 16-0005 EA 40 Ton Packaged Water Cooled Scroll Water Chiller	42,444.77	3,636.31
23 64 23 16-0006 EA 50 Ton Packaged Water Cooled Scroll Water Chiller	46,934.55	3,985.03
23 64 23 16-0007 EA 60 Ton Packaged Water Cooled Scroll Water Chiller	49,435.06	4,402.96

23 64 26 Rotary-Screw Water Chillers (23 64)

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.

23 64 26 13-0002 EA 70 Ton Packaged Air Cooled Rotary-Screw Water Chiller	102,641.54	5,464.78
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,416.77	
<i>For 208/230 Voltage Motor Rating, Add</i>	3,778.06	
23 64 26 13-0003 EA 80 Ton Packaged Air Cooled Rotary-Screw Water Chiller	110,334.46	5,935.64
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,521.68	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,057.81	
23 64 26 13-0004 EA 90 Ton Packaged Air Cooled Rotary-Screw Water Chiller	116,047.96	6,192.47
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,601.39	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,270.37	
23 64 26 13-0005 EA 100 Ton Packaged Air Cooled Rotary-Screw Water Chiller	120,423.45	6,663.33
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,656.53	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,417.42	
23 64 26 13-0006 EA 110 Ton Packaged Air Cooled Rotary-Screw Water Chiller	129,181.08	6,991.49
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,780.62	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,748.32	
23 64 26 13-0007 EA 120 Ton Packaged Air Cooled Rotary-Screw Water Chiller	137,173.28	7,134.18
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,897.08	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,058.88	
23 64 26 13-0008 EA 130 Ton Packaged Air Cooled Rotary-Screw Water Chiller	144,743.18	7,376.74
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,005.28	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,347.41	
23 64 26 13-0009 EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller	149,345.05	7,533.69
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,070.67	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,521.78	
23 64 26 13-0010 EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller	157,605.09	7,690.65
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,190.93	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,842.48	
23 64 26 13-0011 EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller	164,475.31	7,933.21
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,288.63	
<i>For 208/230 Voltage Motor Rating, Add</i>	6,103.02	
23 64 26 13-0012 EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller	173,395.95	8,247.12
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,415.38	
<i>For 208/230 Voltage Motor Rating, Add</i>	6,441.01	
23 64 26 13-0013 EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller	181,172.84	8,418.34
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,528.39	
<i>For 208/230 Voltage Motor Rating, Add</i>	6,742.38	
23 64 26 13-0014 EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller	194,043.10	8,561.01
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,718.02	
<i>For 208/230 Voltage Motor Rating, Add</i>	7,248.06	
23 64 26 13-0015 EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller	202,585.23	8,646.62
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,844.44	
<i>For 208/230 Voltage Motor Rating, Add</i>	7,585.18	
23 64 26 13-0016 EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller	211,127.35	8,717.97
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,970.86	
<i>For 208/230 Voltage Motor Rating, Add</i>	7,922.30	
23 64 26 13-0017 EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller	236,668.12	8,889.19
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,350.12	
<i>For 208/230 Voltage Motor Rating, Add</i>	8,933.66	
23 64 26 13-0018 EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller	249,552.65	9,060.41
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,539.75	
<i>For 208/230 Voltage Motor Rating, Add</i>	9,439.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0019 EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	266,636.91 -3,792.59 10,113.58	9,203.09
23 64 26 13-0020 EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	292,149.14 -4,171.85 11,124.93	9,360.05
23 64 26 13-0021 EA 350 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	318,231.51 -4,560.30 12,160.81	9,474.19

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002 EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	68,015.81	6,147.39
23 64 26 16-0003 EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	73,710.89	6,386.46
23 64 26 16-0004 EA 90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	78,665.67	6,557.21
23 64 26 16-0005 EA 100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	83,015.26	6,833.84
23 64 26 16-0006 EA 110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	87,307.33	7,021.68
23 64 26 16-0007 EA 125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	92,529.10	7,218.81
23 64 26 16-0008 EA 130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	124,137.12	7,420.57
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	102,629.68	7,621.40
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	110,128.31	7,810.05
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	113,947.55	8,200.62
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	133,007.82	8,596.09
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	134,835.83	8,780.11
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	146,333.91	8,972.18
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	155,416.05	9,382.82
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	164,005.32	9,762.60
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	173,983.31	10,149.33
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	191,003.60	11,048.91
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	205,041.37	12,152.70
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	216,115.26	13,368.51

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	20,266.81 10,028.39	2,368.54
23 65 13 16-0004 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	27,798.00 14,084.81	2,896.48
23 65 13 16-0005 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	34,958.65 17,465.17	3,638.44
23 65 13 16-0006 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	40,266.92 20,239.21	4,066.48
23 65 13 16-0007 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	45,995.10 23,179.58	4,580.14
23 65 13 16-0008 EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	51,708.83 26,077.03	5,136.61
23 65 13 16-0009 EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	58,016.18 29,296.41	5,721.61
23 65 13 16-0010 EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	63,478.70 31,871.92	6,449.30
23 65 13 16-0011 EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	69,213.12 34,619.13	7,162.71
23 65 13 16-0012 EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	76,032.34 37,452.19	8,475.41
23 65 13 16-0013 EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	82,703.04 40,564.27	9,388.58
23 65 13 16-0014 EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	87,164.77 42,710.52	9,987.85
23 65 13 16-0015 EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	92,380.91 45,232.37	10,572.86
23 65 13 16-0016 EA 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	97,411.57 47,754.23	11,086.52
23 65 13 16-0017 EA 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	103,143.36 50,705.33	11,600.17

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0018	EA		425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	109,253.77 53,763.74	12,227.99
23 65 13 16-0019	EA		450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	116,154.77 57,305.07	12,855.80
23 65 13 16-0020	EA		475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	122,837.92 60,792.74	13,397.99
23 65 13 16-0021	EA		500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	129,535.34 64,280.41	13,940.19
23 65 13 16-0022	EA		550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	142,088.35 71,255.74	14,525.19
23 65 13 16-0023	EA		600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	155,714.49 78,874.96	15,095.93
23 65 13 16-0024	EA		650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	161,194.27 82,094.34	15,409.83
23 65 13 16-0025	EA		700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	167,747.18 85,957.61	15,609.59
23 65 13 16-0026	EA		750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	175,620.43 89,928.18	16,408.61
23 65 13 16-0027	EA		800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	184,745.66 94,649.95	17,207.64
23 65 13 16-0028	EA		850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	193,985.03 99,371.71	18,078.01
23 65 13 16-0029	EA		900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	204,655.24 104,951.98	18,948.39
23 65 13 16-0030	EA		950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	215,704.08 110,639.57	19,947.17
23 65 13 16-0031	EA		1,000 Ton Centrifugal Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	228,169.45 117,185.65	20,945.96

23 65 14 Induced-Draft Cooling Towers (23 65)

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA		10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,472.37 1,211.29 2,422.59	1,598.06
23 65 14 13-0003	EA		20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,362.31 1,464.82 2,929.64	1,726.47
23 65 14 13-0004	EA		30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,741.98 1,774.69 3,549.37	1,940.50
23 65 14 13-0005	EA		40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,356.21 1,971.87 3,943.75	2,140.26
23 65 14 13-0006	EA		50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	19,327.82 2,366.25 4,732.50	2,368.54
23 65 14 13-0007	EA		60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	22,424.45 2,790.08 5,580.16	2,554.03
23 65 14 13-0008	EA		75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	25,732.23 3,211.34 6,422.68	2,896.48
23 65 14 13-0009	EA		100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,141.68 3,943.75 7,887.50	3,638.44
23 65 14 13-0010	EA		125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	35,080.13 4,281.78 8,563.57	4,066.48
23 65 14 13-0011	EA		150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	53,036.90 6,851.16 13,702.33	4,580.14
23 65 14 13-0012	EA		200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	64,235.87 8,257.06 16,514.11	5,721.61
23 65 14 13-0013	EA		300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	83,765.08 10,300.37 20,600.75	9,388.58

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14 13)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA		100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,141.68 3,943.75 7,887.50	3,638.44
------------------	----	--	---	-----------------------------------	----------



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0016 EA 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	42,731.00 5,305.28 10,610.56	4,580.14
23 65 14 13-0017 EA 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	54,260.23 6,760.71 13,521.42	5,721.61
23 65 14 13-0018 EA 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	64,509.24 7,949.20 15,898.40	7,162.71
23 65 14 13-0019 EA 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	76,952.85 9,278.54 18,557.08	9,388.58
23 65 14 13-0020 EA 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	85,808.00 10,322.16 20,644.31	10,572.86
23 65 14 13-0021 EA 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	95,631.46 11,549.55 23,099.09	11,600.17
23 65 14 13-0022 EA 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	108,285.16 13,145.83 26,291.65	12,855.80
23 65 14 13-0023 EA 500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	121,934.01 14,929.90 29,859.80	13,940.19
23 65 14 13-0024 EA 550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	130,462.79 16,070.10 32,140.20	14,696.41
23 65 14 13-0025 EA 600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	139,665.85 17,311.44 34,622.89	15,095.93
23 65 14 13-0026 EA 700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	157,820.74 20,000.44 40,000.87	15,609.59
23 65 14 13-0027 EA 800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	173,120.10 21,918.65 43,837.31	17,207.64
23 65 14 13-0028 EA 900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	191,241.13 24,225.88 48,451.76	18,948.39

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.

23 65 14 14-0002 EA 10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	8,974.50 986.61 1,973.23	1,598.06
23 65 14 14-0003 EA 15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,652.31 1,084.00 2,168.01	1,626.59
23 65 14 14-0004 EA 20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,501.64 1,177.16 2,354.32	1,769.28
23 65 14 14-0005 EA 25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,210.90 1,414.29 2,828.57	1,854.89
23 65 14 14-0006 EA 30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	13,779.00 1,630.24 3,260.48	1,940.50
23 65 14 14-0007 EA 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	15,319.19 1,837.72 3,675.45	2,040.38
23 65 14 14-0008 EA 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,732.19 2,028.27 4,056.54	2,140.26
23 65 14 14-0009 EA 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	18,300.61 2,239.99 4,479.98	2,254.41
23 65 14 14-0010 EA 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	19,841.11 2,443.24 4,886.48	2,368.54
23 65 14 14-0011 EA 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	22,850.44 2,853.98 5,707.95	2,554.03
23 65 14 14-0012 EA 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	26,114.14 3,298.59 6,597.18	2,753.79
23 65 14 14-0013 EA 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	27,640.67 3,497.60 6,995.21	2,896.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0014 EA 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,338.43	3,139.04
For Polymer Coating Over Galvanized Components, Add	3,696.62	
For Stainless Steel Support Structure, Add	7,393.24	
23 65 14 14-0015 EA 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	30,612.74	3,381.60
For Polymer Coating Over Galvanized Components, Add	3,832.12	
For Stainless Steel Support Structure, Add	7,664.24	
23 65 14 14-0016 EA 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,006.57	3,638.44
For Polymer Coating Over Galvanized Components, Add	4,073.48	
For Stainless Steel Support Structure, Add	8,146.96	
23 65 14 14-0017 EA 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	34,453.64	4,066.48
For Polymer Coating Over Galvanized Components, Add	4,187.81	
For Stainless Steel Support Structure, Add	8,375.62	
23 65 14 14-0018 EA 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	39,967.25	4,580.14
For Polymer Coating Over Galvanized Components, Add	4,890.72	
For Stainless Steel Support Structure, Add	9,781.43	
23 65 14 14-0019 EA 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	44,182.96	5,136.61
For Polymer Coating Over Galvanized Components, Add	5,390.38	
For Stainless Steel Support Structure, Add	10,780.75	
23 65 14 14-0020 EA 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	46,620.82	5,721.61
For Polymer Coating Over Galvanized Components, Add	5,614.80	
For Stainless Steel Support Structure, Add	11,229.60	
23 65 14 14-0021 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	53,831.87	6,449.30
For Polymer Coating Over Galvanized Components, Add	6,520.96	
For Stainless Steel Support Structure, Add	13,041.91	
23 65 14 14-0022 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	59,052.63	7,162.71
For Polymer Coating Over Galvanized Components, Add	7,130.71	
For Stainless Steel Support Structure, Add	14,261.42	
23 65 14 14-0023 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	63,436.65	8,475.41
For Polymer Coating Over Galvanized Components, Add	7,473.69	
For Stainless Steel Support Structure, Add	14,947.39	
23 65 14 14-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	68,533.90	9,388.58
For Polymer Coating Over Galvanized Components, Add	8,015.70	
For Stainless Steel Support Structure, Add	16,031.39	
23 65 14 14-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	78,279.32	10,572.86
For Polymer Coating Over Galvanized Components, Add	9,192.86	
For Stainless Steel Support Structure, Add	18,385.71	
23 65 14 14-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	86,271.76	11,600.17
For Polymer Coating Over Galvanized Components, Add	10,145.59	
For Stainless Steel Support Structure, Add	20,291.18	
23 65 14 14-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	95,369.14	12,855.80
For Polymer Coating Over Galvanized Components, Add	11,208.42	
For Stainless Steel Support Structure, Add	22,416.85	
23 65 14 14-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	103,899.17	13,940.19
For Polymer Coating Over Galvanized Components, Add	12,224.68	
For Stainless Steel Support Structure, Add	24,449.35	
23 65 14 14-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	118,457.24	15,095.93
For Polymer Coating Over Galvanized Components, Add	14,130.15	
For Stainless Steel Support Structure, Add	28,260.30	
23 65 14 14-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	132,263.78	15,609.59
For Polymer Coating Over Galvanized Components, Add	16,166.89	
For Stainless Steel Support Structure, Add	32,333.78	
23 65 14 14-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	147,760.48	17,207.64
For Polymer Coating Over Galvanized Components, Add	18,114.71	
For Stainless Steel Support Structure, Add	36,229.42	
23 65 14 14-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	162,864.41	18,948.39
For Polymer Coating Over Galvanized Components, Add	19,969.37	
For Stainless Steel Support Structure, Add	39,938.74	
23 65 14 14-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	177,760.77	20,945.96
For Polymer Coating Over Galvanized Components, Add	21,735.11	
For Stainless Steel Support Structure, Add	43,470.22	
23 65 14 14-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	194,221.37	21,959.01
For Polymer Coating Over Galvanized Components, Add	23,966.63	
For Stainless Steel Support Structure, Add	47,933.27	
23 65 14 14-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	210,088.26	22,900.73
For Polymer Coating Over Galvanized Components, Add	26,121.94	
For Stainless Steel Support Structure, Add	52,243.87	
23 65 14 14-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	223,643.27	24,869.75
For Polymer Coating Over Galvanized Components, Add	27,692.90	
For Stainless Steel Support Structure, Add	55,385.79	
23 65 14 14-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	236,833.76	26,981.47
For Polymer Coating Over Galvanized Components, Add	29,174.93	
For Stainless Steel Support Structure, Add	58,349.86	
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	249,616.96	29,207.33
For Polymer Coating Over Galvanized Components, Add	30,568.04	
For Stainless Steel Support Structure, Add	61,136.09	
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	261,394.15	31,219.18
For Polymer Coating Over Galvanized Components, Add	31,863.77	
For Stainless Steel Support Structure, Add	63,727.53	
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	273,021.13	33,516.37
For Polymer Coating Over Galvanized Components, Add	33,066.33	
For Stainless Steel Support Structure, Add	66,132.66	
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	284,626.02	36,170.32
For Polymer Coating Over Galvanized Components, Add	34,179.98	
For Stainless Steel Support Structure, Add	68,359.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	295,567.46 35,196.23 70,392.46	38,824.21
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	307,428.48 36,123.56 72,247.12	42,448.39
23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers ^(23 65 14 14) <small>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.</small>		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	86,289.68 4,021.98	3,638.44
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	97,781.27 4,562.32	4,037.94
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	106,913.91 4,977.57	4,580.14
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	119,079.50 5,494.53	5,721.61
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	135,130.52 6,180.80	7,162.71
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	155,570.51 7,023.73	9,388.58
23 65 14 14-0051 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	169,614.17 7,631.03	10,572.86
23 65 14 14-0052 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	183,400.99 8,238.33	11,600.17
23 65 14 14-0053 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	211,885.14 9,474.19	13,940.19
23 65 14 14-0054 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	239,092.91 10,741.83	15,095.93
23 65 14 14-0055 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	295,438.29 13,416.42	16,408.61
23 65 14 14-0056 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	382,948.15 17,504.41	20,945.96
23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers ^(23 65 14 16)		
23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers ^(23 65 14 16) <small>Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.</small>		
23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers ^(23 65 14 16-0001) <small>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.</small>		
23 65 14 16-0003 EA 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	36,512.03	2,368.54
23 65 14 16-0004 EA 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	51,727.95	2,896.48
23 65 14 16-0005 EA 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	61,138.60	3,638.44
23 65 14 16-0006 EA 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	69,286.26	4,066.48
23 65 14 16-0007 EA 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	76,052.03	4,580.14
23 65 14 16-0008 EA 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	91,279.39	5,721.61
23 65 14 16-0009 EA 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	107,587.31	7,162.71
23 65 14 16-0010 EA 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	127,871.48	9,388.58
23 65 14 16-0011 EA 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	140,095.76	10,572.86
23 65 14 16-0012 EA 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	158,687.91	11,600.17
23 65 14 16-0013 EA 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	184,135.56	13,940.19
23 65 14 16-0014 EA 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	207,633.36	15,095.93
23 65 14 16-0015 EA 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	256,143.88	16,408.61
23 65 14 16-0016 EA 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	325,875.14	20,717.67
23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers ^(23 65 14 16-0001) <small>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.</small>		
23 65 14 16-0018 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	63,627.60	3,638.44
23 65 14 16-0019 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	68,898.80	4,066.48
23 65 14 16-0020 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	74,316.90	4,580.14
23 65 14 16-0021 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	87,998.63	5,721.61
23 65 14 16-0022 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	97,315.46	7,162.71
23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers ^(23 65 14 16) <small>Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.</small>		
23 65 14 16-0024 EA 5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,739.62	1,483.91
23 65 14 16-0025 EA 8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,988.18	1,555.25
23 65 14 16-0026 EA 10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	5,703.94	1,598.06
23 65 14 16-0027 EA 15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	6,364.27	1,626.59
23 65 14 16-0028 EA 20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,178.78	1,769.28
23 65 14 16-0029 EA 25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,643.26	1,854.89
23 65 14 16-0030 EA 30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,699.20	1,940.50
23 65 14 16-0031 EA 40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	11,141.46	2,140.26

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0032 EA 50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,424.88	2,368.54
23 65 14 16-0033 EA 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,878.92	2,554.03
23 65 14 16-0034 EA 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,926.07	2,753.79
23 65 14 16-0035 EA 80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,397.45	3,139.04
23 65 14 16-0036 EA 100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	21,107.89	3,638.44
23 65 14 16-0037 EA 125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	25,892.11	4,066.48
23 65 14 16-0038 EA 150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	29,085.55	4,580.14
23 65 14 16-0039 EA 175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	35,118.68	5,136.61
23 65 14 16-0040 EA 200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,165.61	5,721.61
23 65 14 16-0041 EA 225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	43,346.73	6,449.30
23 65 14 16-0042 EA 250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,352.27	7,162.71
23 65 14 16-0043 EA 300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	57,103.74	9,388.58
23 65 14 16-0044 EA 350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	64,848.92	10,572.86
23 65 14 16-0045 EA 400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	72,001.20	11,600.17
23 65 14 16-0046 EA 500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	87,463.03	13,654.82
23 65 14 16-0047 EA 600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	99,534.23	15,095.93
23 65 14 16-0048 EA 700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	103,470.70	11,600.17
23 65 14 16-0049 EA 800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	119,964.08	17,207.64
23 65 14 16-0050 EA 1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	134,887.26	14,339.71

23 65 43 Cooling Tower Basins and Accessories (23 65)

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.

23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,547.99	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,754.28	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,711.83	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,012.58	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,189.96	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,428.03	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,666.10	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,678.59	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,954.24	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,375.47	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,799.58	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	4,069.45	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	

23 70 Central HVAC Equipment (23)

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage (23 70)

23 71 13 Thermal Heat Storage (23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank.....	29,878.86	271.14
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank.....	41,689.93	359.49
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank.....	47,736.00	434.81
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank.....	56,528.99	543.51
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank.....	65,795.57	722.51
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank.....	85,057.99	1,087.16
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank.....	96,051.49	1,224.50
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank.....	131,887.65	1,626.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank.....	170,586.40	1,890.83
---	------------	----------

23 72 Air-To-Air Energy Recovery Equipment (23 70)

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment (23 72)

23 72 13 00-0001 Enthalpy Recovery Wheel <small>(23 72 13)</small>		
23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel.....	11,017.68	1,020.93
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	12,272.44	1,225.42
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	15,355.84	1,531.78
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	17,938.97	1,750.06
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	19,804.65	1,838.14
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	23,984.35	2,042.63
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	31,604.47	2,144.49
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	39,197.66	2,297.67
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	47,397.98	2,625.48
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	53,309.56	3,369.92
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	71,136.49	3,829.45
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	84,628.00	4,595.34

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient <small>(23 72 16)</small>		
23 72 16 00-0002 EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	19,379.95	765.89
23 72 16 00-0003 EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	30,389.47	1,021.24
23 72 16 00-0004 EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	45,059.26	1,531.78

23 73 Indoor Central-Station Air-Handling Units (23 70)

23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units <small>(23 73 13)</small>		
Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002 EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	2,826.22	723.18
<i>For Flat Filter Box And Throwaway Filters, Add</i>		
	230.97	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>		
	430.94	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>		
	641.24	
<i>For Manual Roll Filter, Add</i>		
	1,089.52	
<i>For Automatic Roll Filter, Add</i>		
	1,179.17	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>		
	551.59	
<i>For Electric Heating Coil, Add</i>		
	910.21	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>		
	910.21	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>		
	820.55	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>		
	730.90	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>		
	589.59	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>		
	1,089.52	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>		
	999.86	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>		
	730.90	
<i>For Variable Air Volume, Add</i>		
	251.03	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>		
	1,363.18	
<i>For 2 Coils, Independent Circuits, Add</i>		
	318.48	
23 73 13 00-0003 EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	4,411.15	867.81
<i>For Flat Filter Box And Throwaway Filters, Add</i>		
	379.18	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>		
	721.19	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>		
	1,075.60	
<i>For Manual Roll Filter, Add</i>		
	1,868.70	
<i>For Automatic Roll Filter, Add</i>		
	2,027.32	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>		
	916.98	
<i>For Electric Heating Coil, Add</i>		
	1,551.46	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>		
	1,551.46	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>		
	1,392.84	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>		
	1,234.22	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>		
	1,013.66	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>		
	1,868.70	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>		
	1,710.08	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>		
	1,234.22	
<i>For Variable Air Volume, Add</i>		
	444.14	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>		
	1,507.13	
<i>For 2 Coils, Independent Circuits, Add</i>		
	504.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0004 EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,977.17	932.00
For Flat Filter Box And Throwaway Filters, Add	431.15	
For Medium Capacity Filter Box And Throwaway Filters, Add	822.36	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,226.89	
For Manual Roll Filter, Add	2,138.35	
For Automatic Roll Filter, Add	2,320.64	
For Hot Water Heating Coil, Aluminum Fins, Add	1,044.59	
For Electric Heating Coil, Add	1,773.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,773.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,591.47	
For Steam Heating Coil, Aluminum Fins, Add	1,409.18	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,160.32	
For Chilled Water Cooling Coil, Copper Fins, Add	2,138.35	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,956.05	
For Hot Water Heating Coil, Copper Fins, Add	1,409.18	
For Variable Air Volume, Add	510.42	
For Economizer, Panel, Controls And Damper(s), Add	1,571.93	
For 2 Coils, Independent Circuits, Add	570.63	
23 73 13 00-0005 EA 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,606.09	1,001.48
For Flat Filter Box And Throwaway Filters, Add	489.06	
For Medium Capacity Filter Box And Throwaway Filters, Add	935.20	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,395.65	
For Manual Roll Filter, Add	2,439.44	
For Automatic Roll Filter, Add	2,648.20	
For Hot Water Heating Coil, Aluminum Fins, Add	1,186.89	
For Electric Heating Coil, Add	2,021.93	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,021.93	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,813.17	
For Steam Heating Coil, Aluminum Fins, Add	1,604.41	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,324.10	
For Chilled Water Cooling Coil, Copper Fins, Add	2,439.44	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,230.69	
For Hot Water Heating Coil, Copper Fins, Add	1,604.41	
For Variable Air Volume, Add	584.53	
For Economizer, Panel, Controls And Damper(s), Add	1,641.63	
For 2 Coils, Independent Circuits, Add	644.11	
23 73 13 00-0006 EA 1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,346.30	1,077.41
For Flat Filter Box And Throwaway Filters, Add	557.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,069.40	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,596.42	
For Manual Roll Filter, Add	2,798.65	
For Automatic Roll Filter, Add	3,039.10	
For Hot Water Heating Coil, Aluminum Fins, Add	1,355.97	
For Electric Heating Coil, Add	2,317.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,317.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,077.31	
For Steam Heating Coil, Aluminum Fins, Add	1,836.86	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,519.55	
For Chilled Water Cooling Coil, Copper Fins, Add	2,798.65	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,558.20	
For Hot Water Heating Coil, Copper Fins, Add	1,836.86	
For Variable Air Volume, Add	673.25	
For Economizer, Panel, Controls And Damper(s), Add	1,716.16	
For 2 Coils, Independent Circuits, Add	730.81	
23 73 13 00-0007 EA 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,208.54	1,157.86
For Flat Filter Box And Throwaway Filters, Add	638.15	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,226.68	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,831.75	
For Manual Roll Filter, Add	3,220.38	
For Automatic Roll Filter, Add	3,498.10	
For Hot Water Heating Coil, Aluminum Fins, Add	1,554.03	
For Electric Heating Coil, Add	2,664.93	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,664.93	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,387.20	
For Steam Heating Coil, Aluminum Fins, Add	2,109.48	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,749.05	
For Chilled Water Cooling Coil, Copper Fins, Add	3,220.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,942.65	
For Hot Water Heating Coil, Copper Fins, Add	2,109.48	
For Variable Air Volume, Add	777.63	
For Economizer, Panel, Controls And Damper(s), Add	1,797.83	
For 2 Coils, Independent Circuits, Add	831.94	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0008 EA 1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 7,888.17	7,888.17	1,244.77
For Flat Filter Box And Throwaway Filters, Add	700.09	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,346.95	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,011.55	
For Manual Roll Filter, Add	3,539.97	
For Automatic Roll Filter, Add	3,845.65	
For Hot Water Heating Coil, Aluminum Fins, Add	1,705.87	
For Electric Heating Coil, Add	2,928.60	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,928.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,622.92	
For Steam Heating Coil, Aluminum Fins, Add	2,317.23	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,922.83	
For Chilled Water Cooling Coil, Copper Fins, Add	3,539.97	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,234.29	
For Hot Water Heating Coil, Copper Fins, Add	2,317.23	
For Variable Air Volume, Add	655.91	
For Economizer, Panel, Controls And Damper(s), Add	1,882.15	
For 2 Coils, Independent Circuits, Add	911.09	
23 73 13 00-0009 EA 1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 8,626.14	8,626.14	1,341.50
For Flat Filter Box And Throwaway Filters, Add	766.81	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,476.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,204.64	
For Manual Roll Filter, Add	3,882.17	
For Automatic Roll Filter, Add	4,217.68	
For Hot Water Heating Coil, Aluminum Fins, Add	1,869.13	
For Electric Heating Coil, Add	3,211.16	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,211.16	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,875.65	
For Steam Heating Coil, Aluminum Fins, Add	2,540.15	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,108.84	
For Chilled Water Cooling Coil, Copper Fins, Add	3,882.17	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,546.67	
For Hot Water Heating Coil, Copper Fins, Add	2,540.15	
For Variable Air Volume, Add	939.42	
For Economizer, Panel, Controls And Damper(s), Add	1,803.81	
For 2 Coils, Independent Circuits, Add	996.82	
23 73 13 00-0010 EA 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 9,435.86	9,435.86	1,438.23
For Flat Filter Box And Throwaway Filters, Add	840.85	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,620.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,419.81	
For Manual Roll Filter, Add	4,265.10	
For Automatic Roll Filter, Add	4,634.16	
For Hot Water Heating Coil, Aluminum Fins, Add	2,050.76	
For Electric Heating Coil, Add	3,526.99	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,526.99	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,157.93	
For Steam Heating Coil, Aluminum Fins, Add	2,788.87	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,317.08	
For Chilled Water Cooling Coil, Copper Fins, Add	4,265.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,896.04	
For Hot Water Heating Coil, Copper Fins, Add	2,788.87	
For Variable Air Volume, Add	1,033.36	
For Economizer, Panel, Controls And Damper(s), Add	1,880.10	
For 2 Coils, Independent Circuits, Add	1,091.21	
23 73 13 00-0011 EA 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 10,186.05	10,186.05	1,545.92
For Flat Filter Box And Throwaway Filters, Add	908.18	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,750.11	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,614.13	
For Manual Roll Filter, Add	4,608.53	
For Automatic Roll Filter, Add	5,007.41	
For Hot Water Heating Coil, Aluminum Fins, Add	2,215.25	
For Electric Heating Coil, Add	3,810.77	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,810.77	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,411.89	
For Steam Heating Coil, Aluminum Fins, Add	3,013.01	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,503.70	
For Chilled Water Cooling Coil, Copper Fins, Add	4,608.53	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,209.65	
For Hot Water Heating Coil, Copper Fins, Add	3,013.01	
For Variable Air Volume, Add	1,116.86	
For Economizer, Panel, Controls And Damper(s), Add	1,964.65	
For 2 Coils, Independent Circuits, Add	1,178.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,987.40	1,663.44
For Flat Filter Box And Throwaway Filters, Add	979.94	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,888.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,821.01	
For Manual Roll Filter, Add	4,973.84	
For Automatic Roll Filter, Add	5,404.41	
For Hot Water Heating Coil, Aluminum Fins, Add	2,390.44	
For Electric Heating Coil, Add	4,112.71	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,112.71	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,682.14	
For Steam Heating Coil, Aluminum Fins, Add	3,251.57	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,702.20	
For Chilled Water Cooling Coil, Copper Fins, Add	4,973.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,543.27	
For Hot Water Heating Coil, Copper Fins, Add	3,251.57	
For Variable Air Volume, Add	1,205.59	
For Economizer, Panel, Controls And Damper(s), Add	2,056.84	
For 2 Coils, Independent Circuits, Add	1,270.97	
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,778.49	1,925.46
For Flat Filter Box And Throwaway Filters, Add	1,140.32	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,198.12	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,283.43	
For Manual Roll Filter, Add	5,790.41	
For Automatic Roll Filter, Add	6,291.81	
For Hot Water Heating Coil, Aluminum Fins, Add	2,782.04	
For Electric Heating Coil, Add	4,787.62	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,787.62	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,286.23	
For Steam Heating Coil, Aluminum Fins, Add	3,784.83	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,145.90	
For Chilled Water Cooling Coil, Copper Fins, Add	5,790.41	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,289.02	
For Hot Water Heating Coil, Copper Fins, Add	3,784.83	
For Variable Air Volume, Add	1,403.91	
For Economizer, Panel, Controls And Damper(s), Add	2,262.81	
For 2 Coils, Independent Circuits, Add	1,478.41	
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,394.81	2,069.19
For Flat Filter Box And Throwaway Filters, Add	1,191.64	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,294.57	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,427.08	
For Manual Roll Filter, Add	6,036.57	
For Automatic Roll Filter, Add	6,558.47	
For Hot Water Heating Coil, Aluminum Fins, Add	2,905.18	
For Electric Heating Coil, Add	4,992.77	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,992.77	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,470.88	
For Steam Heating Coil, Aluminum Fins, Add	3,948.98	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,279.24	
For Chilled Water Cooling Coil, Copper Fins, Add	6,036.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,514.67	
For Hot Water Heating Coil, Copper Fins, Add	3,948.98	
For Variable Air Volume, Add	1,461.32	
For Economizer, Panel, Controls And Damper(s), Add	2,376.26	
For 2 Coils, Independent Circuits, Add	1,548.24	
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,024.90	2,223.77
For Flat Filter Box And Throwaway Filters, Add	1,243.65	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,391.99	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,572.10	
For Manual Roll Filter, Add	6,284.11	
For Automatic Roll Filter, Add	6,826.51	
For Hot Water Heating Coil, Aluminum Fins, Add	3,029.70	
For Electric Heating Coil, Add	5,199.30	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,199.30	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,656.90	
For Steam Heating Coil, Aluminum Fins, Add	4,114.50	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,413.26	
For Chilled Water Cooling Coil, Copper Fins, Add	6,284.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,741.71	
For Hot Water Heating Coil, Copper Fins, Add	4,114.50	
For Variable Air Volume, Add	1,518.73	
For Economizer, Panel, Controls And Damper(s), Add	2,497.27	
For 2 Coils, Independent Circuits, Add	1,619.45	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0016 EA 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,411.46 1,357.71 2,605.36 3,889.69 6,825.37 7,412.51 3,302.56 5,651.10 5,651.10 5,063.97 4,476.83 3,706.26 6,825.37 6,238.24 4,476.83 1,643.98 2,407.49 1,776.00	2,567.29
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,411.46 1,357.71 2,605.36 3,889.69 6,825.37 7,412.51 3,302.56 5,651.10 5,651.10 5,063.97 4,476.83 3,706.26 6,825.37 6,238.24 4,476.83 1,643.98 2,407.49 1,776.00	2,567.29
23 73 13 00-0018 EA 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,925.32 1,481.86 2,837.33 4,234.93 7,412.92 8,048.52 3,599.33 6,141.72 6,141.72 5,506.12 4,870.52 4,024.26 7,412.92 6,777.32 4,870.52 1,779.68 2,625.34 1,946.77	2,948.76
23 73 13 00-0019 EA 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	17,805.16 1,551.95 2,966.76 4,427.29 7,735.76 8,397.45 3,765.60 6,412.37 6,412.37 5,750.68 5,088.98 4,198.73 7,735.76 7,074.06 5,088.98 1,852.74 2,768.52 2,045.19	3,199.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0020 EA 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,666.01	3,436.91
For Flat Filter Box And Throwaway Filters, Add	1,621.09	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,094.87	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,617.76	
For Manual Roll Filter, Add	8,056.70	
For Automatic Roll Filter, Add	8,744.49	
For Hot Water Heating Coil, Aluminum Fins, Add	3,929.97	
For Electric Heating Coil, Add	6,681.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,681.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,993.33	
For Steam Heating Coil, Aluminum Fins, Add	5,305.54	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,372.24	
For Chilled Water Cooling Coil, Copper Fins, Add	8,056.70	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,368.91	
For Hot Water Heating Coil, Copper Fins, Add	5,305.54	
For Variable Air Volume, Add	1,925.81	
For Economizer, Panel, Controls And Damper(s), Add	2,904.10	
For 2 Coils, Independent Circuits, Add	2,141.72	
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,532.57	3,679.18
For Flat Filter Box And Throwaway Filters, Add	1,690.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,223.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,808.79	
For Manual Roll Filter, Add	8,378.21	
For Automatic Roll Filter, Add	9,092.09	
For Hot Water Heating Coil, Aluminum Fins, Add	4,094.91	
For Electric Heating Coil, Add	6,950.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,950.44	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,236.56	
For Steam Heating Coil, Aluminum Fins, Add	5,522.67	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,546.05	
For Chilled Water Cooling Coil, Copper Fins, Add	8,378.21	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,664.33	
For Hot Water Heating Coil, Copper Fins, Add	5,522.67	
For Variable Air Volume, Add	1,998.87	
For Economizer, Panel, Controls And Damper(s), Add	3,041.96	
For 2 Coils, Independent Circuits, Add	2,238.81	
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,531.91	3,960.31
For Flat Filter Box And Throwaway Filters, Add	1,770.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,370.87	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,028.02	
For Manual Roll Filter, Add	8,746.55	
For Automatic Roll Filter, Add	9,490.25	
For Hot Water Heating Coil, Aluminum Fins, Add	4,284.31	
For Electric Heating Coil, Add	7,259.13	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,259.13	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,515.43	
For Steam Heating Coil, Aluminum Fins, Add	5,771.72	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,745.13	
For Chilled Water Cooling Coil, Copper Fins, Add	8,746.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,002.84	
For Hot Water Heating Coil, Copper Fins, Add	5,771.72	
For Variable Air Volume, Add	2,082.38	
For Economizer, Panel, Controls And Damper(s), Add	3,203.12	
For 2 Coils, Independent Circuits, Add	2,350.67	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,547.72	4,243.25
For Flat Filter Box And Throwaway Filters, Add	1,850.92	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,519.52	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,248.89	
For Manual Roll Filter, Add	9,116.53	
For Automatic Roll Filter, Add	9,890.06	
For Hot Water Heating Coil, Aluminum Fins, Add	4,475.36	
For Electric Heating Coil, Add	7,569.48	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,569.48	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,795.95	
For Steam Heating Coil, Aluminum Fins, Add	6,022.42	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,945.03	
For Chilled Water Cooling Coil, Copper Fins, Add	9,116.53	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,343.00	
For Hot Water Heating Coil, Copper Fins, Add	6,022.42	
For Variable Air Volume, Add	2,165.88	
For Economizer, Panel, Controls And Damper(s), Add	3,003.14	
For 2 Coils, Independent Circuits, Add	2,464.18	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....22,597.46	4,569.46	
For Flat Filter Box And Throwaway Filters, Add	1,933.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,670.54	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,473.15	
For Manual Roll Filter, Add	9,489.91	
For Automatic Roll Filter, Add	10,293.27	
For Hot Water Heating Coil, Aluminum Fins, Add	4,669.80	
For Electric Heating Coil, Add	7,883.21	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,883.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,079.86	
For Steam Heating Coil, Aluminum Fins, Add	6,276.51	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,146.63	
For Chilled Water Cooling Coil, Copper Fins, Add	9,489.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,686.56	
For Hot Water Heating Coil, Copper Fins, Add	6,276.51	
For Variable Air Volume, Add	2,249.39	
For Economizer, Panel, Controls And Damper(s), Add	3,139.13	
For 2 Coils, Independent Circuits, Add	2,581.09	
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....23,794.83	4,950.16	
For Flat Filter Box And Throwaway Filters, Add	2,026.64	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,841.58	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,727.09	
For Manual Roll Filter, Add	9,911.61	
For Automatic Roll Filter, Add	10,748.51	
For Hot Water Heating Coil, Aluminum Fins, Add	4,890.19	
For Electric Heating Coil, Add	8,237.80	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,237.80	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,400.90	
For Steam Heating Coil, Aluminum Fins, Add	6,564.00	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,374.25	
For Chilled Water Cooling Coil, Copper Fins, Add	9,911.61	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,074.70	
For Hot Water Heating Coil, Copper Fins, Add	6,564.00	
For Variable Air Volume, Add	2,343.33	
For Economizer, Panel, Controls And Damper(s), Add	3,297.03	
For 2 Coils, Independent Circuits, Add	2,714.24	
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....24,961.06	5,285.15	
For Flat Filter Box And Throwaway Filters, Add	2,118.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,010.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,977.92	
For Manual Roll Filter, Add	10,330.18	
For Automatic Roll Filter, Add	11,200.64	
For Hot Water Heating Coil, Aluminum Fins, Add	5,107.47	
For Electric Heating Coil, Add	8,589.28	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,589.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,718.82	
For Steam Heating Coil, Aluminum Fins, Add	6,848.37	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,600.32	
For Chilled Water Cooling Coil, Copper Fins, Add	10,330.18	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,459.73	
For Hot Water Heating Coil, Copper Fins, Add	6,848.37	
For Variable Air Volume, Add	2,437.27	
For Economizer, Panel, Controls And Damper(s), Add	3,445.60	
For 2 Coils, Independent Circuits, Add	2,844.29	
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....25,030.28	5,117.39	
For Flat Filter Box And Throwaway Filters, Add	2,138.74	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,058.91	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,051.94	
For Manual Roll Filter, Add	10,488.08	
For Automatic Roll Filter, Add	11,375.31	
For Hot Water Heating Coil, Aluminum Fins, Add	5,164.71	
For Electric Heating Coil, Add	8,713.63	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,713.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,826.40	
For Steam Heating Coil, Aluminum Fins, Add	6,939.17	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,687.66	
For Chilled Water Cooling Coil, Copper Fins, Add	10,488.08	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,600.86	
For Hot Water Heating Coil, Copper Fins, Add	6,939.17	
For Variable Air Volume, Add	2,484.24	
For Economizer, Panel, Controls And Damper(s), Add	3,365.71	
For 2 Coils, Independent Circuits, Add	2,857.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 26,189.28		5,677.60
For Flat Filter Box And Throwaway Filters, Add	2,213.47	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,183.66	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,234.94	
For Manual Roll Filter, Add	10,754.96	
For Automatic Roll Filter, Add	11,658.96	
For Hot Water Heating Coil, Aluminum Fins, Add	5,330.94	
For Electric Heating Coil, Add	8,946.95	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,946.95	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,042.95	
For Steam Heating Coil, Aluminum Fins, Add	7,138.95	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,829.48	
For Chilled Water Cooling Coil, Copper Fins, Add	10,754.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,850.96	
For Hot Water Heating Coil, Copper Fins, Add	7,138.95	
For Variable Air Volume, Add	2,531.21	
For Economizer, Panel, Controls And Damper(s), Add	3,612.76	
For 2 Coils, Independent Circuits, Add	2,980.53	
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 27,560.45		5,905.66
For Flat Filter Box And Throwaway Filters, Add	2,336.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,420.18	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,588.28	
For Manual Roll Filter, Add	11,378.56	
For Automatic Roll Filter, Add	12,336.62	
For Hot Water Heating Coil, Aluminum Fins, Add	5,630.22	
For Electric Heating Coil, Add	9,462.45	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,462.45	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,504.39	
For Steam Heating Coil, Aluminum Fins, Add	7,546.33	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,168.31	
For Chilled Water Cooling Coil, Copper Fins, Add	11,378.56	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,420.51	
For Hot Water Heating Coil, Copper Fins, Add	7,546.33	
For Variable Air Volume, Add	2,682.56	
For Economizer, Panel, Controls And Damper(s), Add	3,079.86	
For 2 Coils, Independent Circuits, Add	3,139.27	
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 29,012.29		6,134.37
For Flat Filter Box And Throwaway Filters, Add	2,462.73	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,662.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,949.68	
For Manual Roll Filter, Add	12,010.23	
For Automatic Roll Filter, Add	13,022.34	
For Hot Water Heating Coil, Aluminum Fins, Add	5,937.56	
For Electric Heating Coil, Add	9,986.01	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,986.01	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,973.90	
For Steam Heating Coil, Aluminum Fins, Add	7,961.79	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,511.17	
For Chilled Water Cooling Coil, Copper Fins, Add	12,010.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,998.12	
For Hot Water Heating Coil, Copper Fins, Add	7,961.79	
For Variable Air Volume, Add	2,833.91	
For Economizer, Panel, Controls And Damper(s), Add	3,154.01	
For 2 Coils, Independent Circuits, Add	3,306.07	
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 30,538.35		6,370.31
For Flat Filter Box And Throwaway Filters, Add	2,600.54	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,929.10	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,348.32	
For Manual Roll Filter, Add	12,716.42	
For Automatic Roll Filter, Add	13,790.05	
For Hot Water Heating Coil, Aluminum Fins, Add	6,274.70	
For Electric Heating Coil, Add	10,569.18	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,569.18	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,495.56	
For Steam Heating Coil, Aluminum Fins, Add	8,421.94	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,895.02	
For Chilled Water Cooling Coil, Copper Fins, Add	12,716.42	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,642.80	
For Hot Water Heating Coil, Copper Fins, Add	8,421.94	
For Variable Air Volume, Add	3,006.14	
For Economizer, Panel, Controls And Damper(s), Add	3,213.19	
For 2 Coils, Independent Circuits, Add	3,483.28	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	32,136.47 2,741.95 5,200.89 7,754.17 13,429.82 14,564.95 6,619.04 11,159.56 11,159.56 10,024.43 8,889.30 7,282.48 13,429.82 12,294.69 8,889.30 3,178.37 3,286.77 3,667.70	6,606.50
23 73 13 00-0033 EA 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	35,771.76 3,070.97 5,838.21 9,989.08 14,349.17 15,118.60 6,141.94 6,654.89 11,271.46 9,989.08 8,706.70 6,918.11 13,836.22 12,553.84 9,989.08 3,590.67 3,506.73 4,090.13	7,082.64
23 73 13 00-0034 EA 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	39,648.45 3,417.65 6,506.97 11,140.96 16,020.71 16,881.85 6,835.29 7,409.38 12,576.18 11,140.96 9,705.74 7,723.31 15,446.63 14,011.40 11,140.96 4,018.62 3,650.20 4,538.93	7,633.16
23 73 13 00-0035 EA 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	43,864.03 3,801.77 7,252.76 12,429.24 17,898.37 18,863.51 7,603.54 8,246.97 14,037.81 12,429.24 10,820.67 8,627.47 17,254.94 15,646.38 12,429.24 4,503.99 3,781.22 5,029.83	8,178.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	53,733.96 4,744.47 9,111.59 15,662.26 22,658.69 23,893.36 9,488.94 10,312.05 17,720.04 15,662.26 13,604.49 10,917.79 21,835.58 19,777.81 15,662.26 5,761.77 3,936.24 6,196.51	8,808.32
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	59,944.48 5,323.40 10,244.18 17,625.34 25,534.35 26,930.05 10,646.81 11,577.28 19,951.52 17,625.34 15,299.16 12,301.94 24,603.88 22,277.70 17,625.34 6,513.30 3,778.14 6,924.92	9,401.59
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	65,639.22 5,841.13 11,248.59 19,359.77 28,060.95 29,596.45 11,682.26 12,705.93 21,918.94 19,359.77 16,800.60 13,518.64 27,037.28 24,478.11 19,359.77 7,165.67 3,933.37 7,587.59	10,124.13
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	71,996.70 6,414.36 12,357.54 21,272.31 30,841.70 32,530.41 12,828.72 13,954.53 24,086.83 21,272.31 18,457.78 14,857.94 29,715.89 26,901.36 21,272.31 7,880.68 4,120.92 8,325.48	11,497.20



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	77,452.44 6,912.68 13,325.83 22,945.55 33,281.76 35,105.80 13,825.37 15,041.39 25,985.62 22,945.55 19,905.49 16,032.87 32,065.74 29,025.68 22,945.55 8,512.17 4,262.68 8,961.27	11,661.40
23 73 13 00-0041 EA 40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	83,528.30 7,458.79 14,381.15 24,764.69 35,924.75 37,894.18 14,917.57 16,230.52 28,047.06 24,764.69 21,482.32 17,305.90 34,611.81 31,329.43 24,764.69 9,190.64 4,065.11 9,665.78	12,474.84
23 73 13 00-0042 EA 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	90,146.34 8,052.50 15,527.73 26,740.56 38,794.19 40,921.30 16,105.01 17,523.08 30,285.75 26,740.56 23,195.38 18,688.06 37,376.12 33,830.93 26,740.56 9,926.52 4,235.33 10,432.71	13,469.35
23 73 13 00-0043 EA 47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	93,919.56 8,386.55 16,169.86 27,844.82 40,392.76 42,607.10 16,773.10 18,249.33 31,535.39 27,844.82 24,154.24 19,458.27 38,916.53 35,225.96 27,844.82 10,333.60 4,343.52 10,868.18	14,102.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0044 EA 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	97,473.93 8,702.20 16,777.28 28,889.91 41,906.81 44,203.92 17,404.40 18,935.80 32,718.41 28,889.91 25,061.40 20,187.71 40,375.41 36,546.91 28,889.91 10,719.81 4,442.99 11,278.79	14,644.38
23 73 13 00-0045 EA 55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	105,072.02 9,389.65 18,108.77 31,187.45 45,250.02 47,731.65 18,779.30 20,433.72 35,323.50 31,187.45 27,051.40 21,797.80 43,595.60 39,459.55 31,187.45 11,580.94 4,623.88 12,161.62	15,638.75
23 73 13 00-0046 EA 60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	114,874.18 10,291.69 19,865.93 34,227.31 49,690.43 52,419.22 20,583.37 22,402.56 38,775.28 34,227.31 29,679.33 23,935.62 47,871.24 43,323.26 34,227.31 12,734.34 4,291.46 13,306.61	16,723.52
23 73 13 00-0047 EA 65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	125,883.34 11,296.94 21,819.05 37,602.21 54,611.64 57,613.31 22,593.88 24,594.99 42,604.98 37,602.21 32,599.43 26,305.27 52,610.53 47,607.76 37,602.21 14,007.77 4,482.78 14,589.44	18,079.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0048 EA 70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ...	138,157.10	19,616.24
For Flat Filter Box And Throwaway Filters, Add	12,412.03	
For Medium Capacity Filter Box And Throwaway Filters, Add	23,981.84	
For Combination Filter Mixing Box And Throwaway Filters, Add	41,336.57	
For Manual Roll Filter, Add	60,050.75	
For Automatic Roll Filter, Add	63,353.25	
For Hot Water Heating Coil, Aluminum Fins, Add	24,824.05	
For Electric Heating Coil, Add	27,025.72	
For Chilled Water Cooling Coil, Aluminum Fins, Add	46,840.74	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	41,336.57	
For Steam Heating Coil, Aluminum Fins, Add	35,832.39	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	28,924.54	
For Chilled Water Cooling Coil, Copper Fins, Add	57,849.08	
For Direct Expansion Cooling Coil, Copper Fins, Add	52,344.91	
For Hot Water Heating Coil, Copper Fins, Add	41,336.57	
For Variable Air Volume, Add	15,411.68	
For Economizer, Panel, Controls And Damper(s), Add	4,707.37	
For 2 Coils, Independent Circuits, Add	16,017.38	
23 73 13 00-0049 Multi-Zone Units <small>(23 73 13)</small>		
Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050 EA 1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,288.25	1,626.89
For Economizer, Panel, Controls And Damper(s), Add	2,266.58	
For Flat Filter Box And Throwaway Filters, Add	712.64	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,355.57	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,723.51	
For Manual Roll Filter, Add	3,512.88	
For Automatic Roll Filter, Add	3,512.88	
For Hot Water Heating Coil, Aluminum Fins, Add	828.83	
For Electric Heating Coil, Add	948.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,916.42	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,916.42	
For Chilled Water Cooling Coil, Copper Fins, Add	3,512.88	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,512.88	
For 2 Coils, Independent Circuits, Add	948.12	
23 73 13 00-0051 EA 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,330.24	2,038.20
For Economizer, Panel, Controls And Damper(s), Add	2,678.27	
For Flat Filter Box And Throwaway Filters, Add	887.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,687.51	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,145.79	
For Manual Roll Filter, Add	4,371.31	
For Automatic Roll Filter, Add	4,371.31	
For Hot Water Heating Coil, Aluminum Fins, Add	1,033.02	
For Electric Heating Coil, Add	1,181.39	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,629.47	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,629.47	
For Chilled Water Cooling Coil, Copper Fins, Add	4,371.31	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,371.31	
For 2 Coils, Independent Circuits, Add	1,181.39	
23 73 13 00-0052 EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,716.57	2,169.28
For Economizer, Panel, Controls And Damper(s), Add	2,809.10	
For Flat Filter Box And Throwaway Filters, Add	1,116.72	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,140.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,714.33	
For Manual Roll Filter, Add	5,599.69	
For Automatic Roll Filter, Add	5,599.69	
For Hot Water Heating Coil, Aluminum Fins, Add	1,271.66	
For Electric Heating Coil, Add	1,464.01	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,637.90	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,637.90	
For Chilled Water Cooling Coil, Copper Fins, Add	5,599.69	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,599.69	
For 2 Coils, Independent Circuits, Add	1,464.01	
23 73 13 00-0053 EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,233.72	2,322.96
For Economizer, Panel, Controls And Damper(s), Add	2,962.35	
For Flat Filter Box And Throwaway Filters, Add	1,157.49	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,215.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,810.78	
For Manual Roll Filter, Add	5,785.61	
For Automatic Roll Filter, Add	5,785.61	
For Hot Water Heating Coil, Aluminum Fins, Add	1,323.37	
For Electric Heating Coil, Add	1,521.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,794.00	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,794.00	
For Chilled Water Cooling Coil, Copper Fins, Add	5,785.61	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,785.61	
For 2 Coils, Independent Circuits, Add	1,521.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,449.39	2,490.19
For Economizer, Panel, Controls And Damper(s), Add	3,130.29	
For Flat Filter Box And Throwaway Filters, Add	1,367.06	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,627.40	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,328.72	
For Manual Roll Filter, Add	6,896.27	
For Automatic Roll Filter, Add	6,896.27	
For Hot Water Heating Coil, Aluminum Fins, Add	1,544.94	
For Electric Heating Coil, Add	1,782.78	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,707.08	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,707.08	
For Chilled Water Cooling Coil, Copper Fins, Add	6,896.27	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,896.27	
For 2 Coils, Independent Circuits, Add	1,782.78	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,297.72	2,666.73
For Economizer, Panel, Controls And Damper(s), Add	3,306.59	
For Flat Filter Box And Throwaway Filters, Add	1,439.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,764.32	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,503.02	
For Manual Roll Filter, Add	7,249.51	
For Automatic Roll Filter, Add	7,249.51	
For Hot Water Heating Coil, Aluminum Fins, Add	1,629.77	
For Electric Heating Coil, Add	1,879.54	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,000.68	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,000.68	
For Chilled Water Cooling Coil, Copper Fins, Add	7,249.51	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,249.51	
For 2 Coils, Independent Circuits, Add	1,879.54	
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,189.40	2,847.39
For Economizer, Panel, Controls And Damper(s), Add	3,487.16	
For Flat Filter Box And Throwaway Filters, Add	1,515.57	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,909.12	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,687.24	
For Manual Roll Filter, Add	7,623.85	
For Automatic Roll Filter, Add	7,623.85	
For Hot Water Heating Coil, Aluminum Fins, Add	1,718.94	
For Electric Heating Coil, Add	1,981.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,311.65	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,311.65	
For Chilled Water Cooling Coil, Copper Fins, Add	7,623.85	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,623.85	
For 2 Coils, Independent Circuits, Add	1,981.38	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,155.02	3,055.44
For Economizer, Panel, Controls And Damper(s), Add	3,145.50	
For Flat Filter Box And Throwaway Filters, Add	1,697.73	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,264.80	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,135.44	
For Manual Roll Filter, Add	8,575.31	
For Automatic Roll Filter, Add	8,575.31	
For Hot Water Heating Coil, Aluminum Fins, Add	1,915.50	
For Electric Heating Coil, Add	2,211.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,095.35	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,095.35	
For Chilled Water Cooling Coil, Copper Fins, Add	8,575.31	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,575.31	
For 2 Coils, Independent Circuits, Add	2,211.49	
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,928.15	3,272.13
For Economizer, Panel, Controls And Damper(s), Add	3,321.10	
For Flat Filter Box And Throwaway Filters, Add	1,859.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,577.92	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,530.83	
For Manual Roll Filter, Add	9,406.86	
For Automatic Roll Filter, Add	9,406.86	
For Hot Water Heating Coil, Aluminum Fins, Add	2,092.82	
For Electric Heating Coil, Add	2,417.88	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,781.52	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,781.52	
For Chilled Water Cooling Coil, Copper Fins, Add	9,406.86	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,406.86	
For 2 Coils, Independent Circuits, Add	2,417.88	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,129.37	3,494.76
For Economizer, Panel, Controls And Damper(s), Add	3,489.69	
For Flat Filter Box And Throwaway Filters, Add	1,963.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,778.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,785.15	
For Manual Roll Filter, Add	9,929.59	
For Automatic Roll Filter, Add	9,929.59	
For Hot Water Heating Coil, Aluminum Fins, Add	2,212.94	
For Electric Heating Coil, Add	2,555.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,214.78	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,214.78	
For Chilled Water Cooling Coil, Copper Fins, Add	9,929.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,929.59	
For 2 Coils, Independent Circuits, Add	2,555.90	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,385.65	3,733.67
For Economizer, Panel, Controls And Damper(s), Add	3,684.98	
For Flat Filter Box And Throwaway Filters, Add	2,171.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,183.41	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,295.96	
For Manual Roll Filter, Add	11,010.76	
For Automatic Roll Filter, Add	11,010.76	
For Hot Water Heating Coil, Aluminum Fins, Add	2,438.57	
For Electric Heating Coil, Add	2,819.55	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,105.83	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,105.83	
For Chilled Water Cooling Coil, Copper Fins, Add	11,010.76	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,010.76	
For 2 Coils, Independent Circuits, Add	2,819.55	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,950.04	3,995.82
For Economizer, Panel, Controls And Damper(s), Add	3,889.30	
For Flat Filter Box And Throwaway Filters, Add	2,309.61	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,447.99	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,631.34	
For Manual Roll Filter, Add	11,704.01	
For Automatic Roll Filter, Add	11,704.01	
For Hot Water Heating Coil, Aluminum Fins, Add	2,595.00	
For Electric Heating Coil, Add	2,999.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,679.78	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,679.78	
For Chilled Water Cooling Coil, Copper Fins, Add	11,704.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,704.01	
For 2 Coils, Independent Circuits, Add	2,999.85	
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,448.99	4,339.07
For Economizer, Panel, Controls And Damper(s), Add	4,156.55	
For Flat Filter Box And Throwaway Filters, Add	2,535.21	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,884.61	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,183.19	
For Manual Roll Filter, Add	12,859.77	
For Automatic Roll Filter, Add	12,859.77	
For Hot Water Heating Coil, Aluminum Fins, Add	2,844.90	
For Electric Heating Coil, Add	3,290.00	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,634.24	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,634.24	
For Chilled Water Cooling Coil, Copper Fins, Add	12,859.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,859.77	
For 2 Coils, Independent Circuits, Add	3,290.00	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,569.38	4,673.67
For Economizer, Panel, Controls And Damper(s), Add	4,420.62	
For Flat Filter Box And Throwaway Filters, Add	2,723.25	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,246.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,641.27	
For Manual Roll Filter, Add	13,809.92	
For Automatic Roll Filter, Add	13,809.92	
For Hot Water Heating Coil, Aluminum Fins, Add	3,056.94	
For Electric Heating Coil, Add	3,534.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,420.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,420.37	
For Chilled Water Cooling Coil, Copper Fins, Add	13,809.92	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,809.92	
For 2 Coils, Independent Circuits, Add	3,534.85	
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,106.46	5,053.21
For Economizer, Panel, Controls And Damper(s), Add	3,821.77	
For Flat Filter Box And Throwaway Filters, Add	2,850.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,484.72	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,945.95	
For Manual Roll Filter, Add	14,416.56	
For Automatic Roll Filter, Add	14,416.56	
For Hot Water Heating Coil, Aluminum Fins, Add	3,210.65	
For Electric Heating Coil, Add	3,708.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,926.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,926.36	
For Chilled Water Cooling Coil, Copper Fins, Add	14,416.56	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,416.56	
For 2 Coils, Independent Circuits, Add	3,708.69	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	35,600.96	5,450.71
For Economizer, Panel, Controls And Damper(s), Add	4,056.48	
For Flat Filter Box And Throwaway Filters, Add	3,170.54	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,107.34	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,731.56	
For Manual Roll Filter, Add	16,074.49	
For Automatic Roll Filter, Add	16,074.49	
For Hot Water Heating Coil, Aluminum Fins, Add	3,560.10	
For Electric Heating Coil, Add	4,116.29	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,293.51	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,293.51	
For Chilled Water Cooling Coil, Copper Fins, Add	16,074.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,074.49	
For 2 Coils, Independent Circuits, Add	4,116.29	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	37,513.81	5,875.57
For Economizer, Panel, Controls And Damper(s), Add	4,299.72	
For Flat Filter Box And Throwaway Filters, Add	3,331.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,410.85	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,118.56	
For Manual Roll Filter, Add	16,852.91	
For Automatic Roll Filter, Add	16,852.91	
For Hot Water Heating Coil, Aluminum Fins, Add	3,751.38	
For Electric Heating Coil, Add	4,333.67	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,941.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,941.46	
For Chilled Water Cooling Coil, Copper Fins, Add	16,852.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,852.91	
For 2 Coils, Independent Circuits, Add	4,333.67	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,630.77	6,363.98
For Economizer, Panel, Controls And Damper(s), Add	4,564.96	
For Flat Filter Box And Throwaway Filters, Add	3,509.96	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,748.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,548.33	
For Manual Roll Filter, Add	17,718.84	
For Automatic Roll Filter, Add	17,718.84	
For Hot Water Heating Coil, Aluminum Fins, Add	3,963.08	
For Electric Heating Coil, Add	4,574.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,662.01	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,662.01	
For Chilled Water Cooling Coil, Copper Fins, Add	17,718.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,718.84	
For 2 Coils, Independent Circuits, Add	4,574.44	
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	41,917.26	6,869.82
For Economizer, Panel, Controls And Damper(s), Add	4,126.14	
For Flat Filter Box And Throwaway Filters, Add	3,700.70	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,106.79	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,006.24	
For Manual Roll Filter, Add	18,635.28	
For Automatic Roll Filter, Add	18,635.28	
For Hot Water Heating Coil, Aluminum Fins, Add	4,191.73	
For Electric Heating Coil, Add	4,833.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	15,425.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,425.60	
For Chilled Water Cooling Coil, Copper Fins, Add	18,635.28	
For Direct Expansion Cooling Coil, Copper Fins, Add	18,635.28	
For 2 Coils, Independent Circuits, Add	4,833.66	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,111.39	7,132.36
For Economizer, Panel, Controls And Damper(s), Add	4,243.93	
For Flat Filter Box And Throwaway Filters, Add	3,800.48	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,294.57	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,245.88	
For Manual Roll Filter, Add	19,115.37	
For Automatic Roll Filter, Add	19,115.37	
For Hot Water Heating Coil, Aluminum Fins, Add	4,311.14	
For Electric Heating Coil, Add	4,969.10	
For Chilled Water Cooling Coil, Aluminum Fins, Add	15,825.54	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,825.54	
For Chilled Water Cooling Coil, Copper Fins, Add	19,115.37	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,115.37	
For 2 Coils, Independent Circuits, Add	4,969.10	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,246.53	7,386.89
For Economizer, Panel, Controls And Damper(s), Add	4,344.03	
For Flat Filter Box And Throwaway Filters, Add	3,897.32	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,478.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,479.62	
For Manual Roll Filter, Add	19,589.55	
For Automatic Roll Filter, Add	19,589.55	
For Hot Water Heating Coil, Aluminum Fins, Add	4,424.65	
For Electric Heating Coil, Add	5,098.65	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,219.57	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,219.57	
For Chilled Water Cooling Coil, Copper Fins, Add	19,589.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,589.55	
For 2 Coils, Independent Circuits, Add	5,098.65	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	49,924.94	7,683.78
For Economizer, Panel, Controls And Damper(s), Add	3,601.24	
For Flat Filter Box And Throwaway Filters, Add	4,442.19	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,554.18	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,830.31	
For Manual Roll Filter, Add	22,505.94	
For Automatic Roll Filter, Add	22,505.94	
For Hot Water Heating Coil, Aluminum Fins, Add	4,992.49	
For Electric Heating Coil, Add	5,770.87	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,614.06	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,614.06	
For Chilled Water Cooling Coil, Copper Fins, Add	22,505.94	
For Direct Expansion Cooling Coil, Copper Fins, Add	22,505.94	
For 2 Coils, Independent Circuits, Add	5,770.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	55,554.76	7,988.16
For Economizer, Panel, Controls And Damper(s), Add	3,732.98	
For Flat Filter Box And Throwaway Filters, Add	4,984.63	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,626.74	
For Combination Filter Mixing Box And Throwaway Filters, Add	12,176.14	
For Manual Roll Filter, Add	25,417.46	
For Automatic Roll Filter, Add	25,417.46	
For Hot Water Heating Coil, Aluminum Fins, Add	5,555.48	
For Electric Heating Coil, Add	6,438.23	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,003.69	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,003.69	
For Chilled Water Cooling Coil, Copper Fins, Add	25,417.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,417.46	
For 2 Coils, Independent Circuits, Add	6,438.23	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	63,745.88	8,289.44
For Economizer, Panel, Controls And Damper(s), Add	3,806.22	
For Flat Filter Box And Throwaway Filters, Add	5,782.81	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,210.55	
For Combination Filter Mixing Box And Throwaway Filters, Add	14,161.14	
For Manual Roll Filter, Add	29,734.23	
For Automatic Roll Filter, Add	29,734.23	
For Hot Water Heating Coil, Aluminum Fins, Add	6,374.59	
For Electric Heating Coil, Add	7,412.79	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,543.20	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,543.20	
For Chilled Water Cooling Coil, Copper Fins, Add	29,734.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	29,734.23	
For 2 Coils, Independent Circuits, Add	7,412.79	
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	71,942.92	8,587.75
For Economizer, Panel, Controls And Damper(s), Add	3,880.51	
For Flat Filter Box And Throwaway Filters, Add	6,581.29	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,794.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	16,146.72	
For Manual Roll Filter, Add	34,051.59	
For Automatic Roll Filter, Add	34,051.59	
For Hot Water Heating Coil, Aluminum Fins, Add	7,194.29	
For Electric Heating Coil, Add	8,387.95	
For Chilled Water Cooling Coil, Aluminum Fins, Add	28,083.30	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,083.30	
For Chilled Water Cooling Coil, Copper Fins, Add	34,051.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	34,051.59	
For 2 Coils, Independent Circuits, Add	8,387.95	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	80,734.91	9,310.93
For Economizer, Panel, Controls And Damper(s), Add	4,062.17	
For Flat Filter Box And Throwaway Filters, Add	7,408.59	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,046.39	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,189.01	
For Manual Roll Filter, Add	28,304.53	
For Automatic Roll Filter, Add	35,048.22	
For Hot Water Heating Coil, Aluminum Fins, Add	8,073.49	
For Electric Heating Coil, Add	9,422.23	
For Chilled Water Cooling Coil, Aluminum Fins, Add	28,304.53	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,304.53	
For Steam Heating Coil, Aluminum Fins, Add	14,817.17	
For Chilled Water Cooling Coil, Copper Fins, Add	35,048.22	
For Direct Expansion Cooling Coil, Copper Fins, Add	35,048.22	
For 2 Coils, Independent Circuits, Add	9,422.23	
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	87,077.37	10,124.51
For Economizer, Panel, Controls And Damper(s), Add	3,922.64	
For Flat Filter Box And Throwaway Filters, Add	7,988.52	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,910.86	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,611.70	
For Manual Roll Filter, Add	30,515.66	
For Automatic Roll Filter, Add	37,784.97	
For Hot Water Heating Coil, Aluminum Fins, Add	8,707.74	
For Electric Heating Coil, Add	10,161.60	
For Chilled Water Cooling Coil, Aluminum Fins, Add	30,515.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,515.66	
For Steam Heating Coil, Aluminum Fins, Add	15,977.05	
For Chilled Water Cooling Coil, Copper Fins, Add	37,784.97	
For Direct Expansion Cooling Coil, Copper Fins, Add	37,784.97	
For 2 Coils, Independent Circuits, Add	10,161.60	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	103,748.08	10,937.69
For Economizer, Panel, Controls And Damper(s), Add	4,108.26	
For Flat Filter Box And Throwaway Filters, Add	9,593.72	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,312.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,593.77	
For Manual Roll Filter, Add	36,812.72	
For Automatic Roll Filter, Add	45,625.36	
For Hot Water Heating Coil, Aluminum Fins, Add	10,374.81	
For Electric Heating Coil, Add	12,137.34	
For Chilled Water Cooling Coil, Aluminum Fins, Add	36,812.72	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,812.72	
For Steam Heating Coil, Aluminum Fins, Add	19,187.45	
For Chilled Water Cooling Coil, Copper Fins, Add	45,625.36	
For Direct Expansion Cooling Coil, Copper Fins, Add	45,625.36	
For 2 Coils, Independent Circuits, Add	12,137.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	117,209.66	11,842.06
For Economizer, Panel, Controls And Damper(s), Add	4,298.98	
For Flat Filter Box And Throwaway Filters, Add	10,876.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	16,229.99	
For Combination Filter Mixing Box And Throwaway Filters, Add	26,768.43	
For Manual Roll Filter, Add	41,815.90	
For Automatic Roll Filter, Add	51,847.55	
For Hot Water Heating Coil, Aluminum Fins, Add	11,720.97	
For Electric Heating Coil, Add	13,727.30	
For Chilled Water Cooling Coil, Aluminum Fins, Add	41,815.90	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	41,815.90	
For Steam Heating Coil, Aluminum Fins, Add	21,752.61	
For Chilled Water Cooling Coil, Copper Fins, Add	51,847.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	51,847.55	
For 2 Coils, Independent Circuits, Add	13,727.30	
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	127,033.10	12,746.42
For Economizer, Panel, Controls And Damper(s), Add	4,497.57	
For Flat Filter Box And Throwaway Filters, Add	11,792.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,597.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	29,025.70	
For Manual Roll Filter, Add	45,348.10	
For Automatic Roll Filter, Add	56,229.69	
For Hot Water Heating Coil, Aluminum Fins, Add	12,703.31	
For Electric Heating Coil, Add	14,879.63	
For Chilled Water Cooling Coil, Aluminum Fins, Add	45,348.10	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	45,348.10	
For Steam Heating Coil, Aluminum Fins, Add	23,584.91	
For Chilled Water Cooling Coil, Copper Fins, Add	56,229.69	
For Direct Expansion Cooling Coil, Copper Fins, Add	56,229.69	
For 2 Coils, Independent Circuits, Add	14,879.63	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	142,069.01	14,915.19
For Economizer, Panel, Controls And Damper(s), Add	4,490.83	
For Flat Filter Box And Throwaway Filters, Add	13,142.57	
For Medium Capacity Filter Box And Throwaway Filters, Add	19,607.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	32,324.25	
For Manual Roll Filter, Add	50,441.61	
For Automatic Roll Filter, Add	62,519.84	
For Hot Water Heating Coil, Aluminum Fins, Add	14,206.90	
For Electric Heating Coil, Add	16,622.55	
For Chilled Water Cooling Coil, Aluminum Fins, Add	50,441.61	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	50,441.61	
For Steam Heating Coil, Aluminum Fins, Add	26,285.14	
For Chilled Water Cooling Coil, Copper Fins, Add	62,519.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	62,519.84	
For 2 Coils, Independent Circuits, Add	16,622.55	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	142,865.14	15,457.95
For Economizer, Panel, Controls And Damper(s), Add	4,590.35	
For Flat Filter Box And Throwaway Filters, Add	13,182.37	
For Medium Capacity Filter Box And Throwaway Filters, Add	19,663.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	32,403.87	
For Manual Roll Filter, Add	50,521.22	
For Automatic Roll Filter, Add	62,599.45	
For Hot Water Heating Coil, Aluminum Fins, Add	14,286.51	
For Electric Heating Coil, Add	16,702.16	
For Chilled Water Cooling Coil, Aluminum Fins, Add	50,521.22	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	50,521.22	
For Steam Heating Coil, Aluminum Fins, Add	26,364.75	
For Chilled Water Cooling Coil, Copper Fins, Add	62,599.45	
For Direct Expansion Cooling Coil, Copper Fins, Add	62,599.45	
For 2 Coils, Independent Circuits, Add	16,702.16	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	149,402.18	15,999.82
For Economizer, Panel, Controls And Damper(s), Add	4,689.87	
For Flat Filter Box And Throwaway Filters, Add	13,796.27	
For Medium Capacity Filter Box And Throwaway Filters, Add	20,580.01	
For Combination Filter Mixing Box And Throwaway Filters, Add	33,918.70	
For Manual Roll Filter, Add	52,897.19	
For Automatic Roll Filter, Add	65,549.51	
For Hot Water Heating Coil, Aluminum Fins, Add	14,940.22	
For Electric Heating Coil, Add	17,470.68	
For Chilled Water Cooling Coil, Aluminum Fins, Add	52,897.19	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,897.19	
For Steam Heating Coil, Aluminum Fins, Add	27,592.54	
For Chilled Water Cooling Coil, Copper Fins, Add	65,549.51	
For Direct Expansion Cooling Coil, Copper Fins, Add	65,549.51	
For 2 Coils, Independent Circuits, Add	17,470.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	156,374.11	17,175.51
For Economizer, Panel, Controls And Damper(s), Add	4,895.01	
For Flat Filter Box And Throwaway Filters, Add	14,411.41	
For Medium Capacity Filter Box And Throwaway Filters, Add	21,494.51	
For Combination Filter Mixing Box And Throwaway Filters, Add	35,415.52	
For Manual Roll Filter, Add	55,193.63	
For Automatic Roll Filter, Add	68,379.04	
For Hot Water Heating Coil, Aluminum Fins, Add	15,637.41	
For Electric Heating Coil, Add	18,274.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	55,193.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,193.63	
For Steam Heating Coil, Aluminum Fins, Add	28,822.82	
For Chilled Water Cooling Coil, Copper Fins, Add	68,379.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	68,379.04	
For 2 Coils, Independent Circuits, Add	18,274.49	
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	168,452.94	18,079.48
For Economizer, Panel, Controls And Damper(s), Add	5,044.19	
For Flat Filter Box And Throwaway Filters, Add	15,559.62	
For Medium Capacity Filter Box And Throwaway Filters, Add	23,210.86	
For Combination Filter Mixing Box And Throwaway Filters, Add	38,256.20	
For Manual Roll Filter, Add	59,667.11	
For Automatic Roll Filter, Add	73,941.05	
For Hot Water Heating Coil, Aluminum Fins, Add	16,845.29	
For Electric Heating Coil, Add	19,700.08	
For Chilled Water Cooling Coil, Aluminum Fins, Add	59,667.11	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	59,667.11	
For Steam Heating Coil, Aluminum Fins, Add	31,119.23	
For Chilled Water Cooling Coil, Copper Fins, Add	73,941.05	
For Direct Expansion Cooling Coil, Copper Fins, Add	73,941.05	
For 2 Coils, Independent Circuits, Add	19,700.08	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	181,056.80	19,073.86
For Economizer, Panel, Controls And Damper(s), Add	4,628.30	
For Flat Filter Box And Throwaway Filters, Add	16,741.53	
For Medium Capacity Filter Box And Throwaway Filters, Add	24,975.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	41,171.75	
For Manual Roll Filter, Add	64,237.83	
For Automatic Roll Filter, Add	79,615.21	
For Hot Water Heating Coil, Aluminum Fins, Add	18,105.68	
For Electric Heating Coil, Add	21,181.16	
For Chilled Water Cooling Coil, Aluminum Fins, Add	64,237.83	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	64,237.83	
For Steam Heating Coil, Aluminum Fins, Add	33,483.06	
For Chilled Water Cooling Coil, Copper Fins, Add	79,615.21	
For Direct Expansion Cooling Coil, Copper Fins, Add	79,615.21	
For 2 Coils, Independent Circuits, Add	21,181.16	
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	194,987.52	20,249.02
For Economizer, Panel, Controls And Damper(s), Add	4,791.18	
For Flat Filter Box And Throwaway Filters, Add	18,053.16	
For Medium Capacity Filter Box And Throwaway Filters, Add	26,935.18	
For Combination Filter Mixing Box And Throwaway Filters, Add	44,410.11	
For Manual Roll Filter, Add	69,321.47	
For Automatic Roll Filter, Add	85,929.04	
For Hot Water Heating Coil, Aluminum Fins, Add	19,498.75	
For Electric Heating Coil, Add	22,820.27	
For Chilled Water Cooling Coil, Aluminum Fins, Add	69,321.47	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	69,321.47	
For Steam Heating Coil, Aluminum Fins, Add	36,106.33	
For Chilled Water Cooling Coil, Copper Fins, Add	85,929.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	85,929.04	
For 2 Coils, Independent Circuits, Add	22,820.27	
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	209,033.47	20,791.40
For Economizer, Panel, Controls And Damper(s), Add	4,864.93	
For Flat Filter Box And Throwaway Filters, Add	19,420.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	28,983.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	47,810.97	
For Manual Roll Filter, Add	74,718.60	
For Automatic Roll Filter, Add	92,657.01	
For Hot Water Heating Coil, Aluminum Fins, Add	20,903.35	
For Electric Heating Coil, Add	24,491.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	74,718.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	74,718.60	
For Steam Heating Coil, Aluminum Fins, Add	38,841.76	
For Chilled Water Cooling Coil, Copper Fins, Add	92,657.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	92,657.01	
For 2 Coils, Independent Circuits, Add	24,491.03	
23 73 13 00-0088 Return/Supply Air Fan <small>(23 73 13)</small>		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan.....	3,513.19	723.05
23 73 13 00-0090 EA 500 CFM Return Air Fan.....	4,544.12	867.68
23 73 13 00-0091 EA 750 CFM Return Air Fan.....	4,746.07	903.84
23 73 13 00-0092 EA 1,000 CFM Return Air Fan.....	5,405.25	958.08
23 73 13 00-0093 EA 1,250 CFM Return Air Fan.....	5,572.44	1,003.28
23 73 13 00-0094 EA 1,500 CFM Return Air Fan.....	5,705.27	1,048.48
23 73 13 00-0095 EA 1,750 CFM Return Air Fan.....	5,988.17	1,102.72
23 73 13 00-0096 EA 2,000 CFM Return Air Fan.....	6,647.33	1,156.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0097	EA		2,250 CFM Return Air Fan.....	6,964.31	1,211.19
23 73 13 00-0098	EA		2,500 CFM Return Air Fan.....	7,144.47	1,265.44
23 73 13 00-0099	EA		3,000 CFM Return Air Fan.....	7,577.26	1,401.03
23 73 13 00-0100	EA		3,500 CFM Return Air Fan.....	7,783.47	1,473.35
23 73 13 00-0101	EA		4,000 CFM Return Air Fan.....	7,976.44	1,536.62
23 73 13 00-0102	EA		4,500 CFM Return Air Fan.....	8,216.84	1,609.08
23 73 13 00-0103	EA		5,000 CFM Return Air Fan.....	8,435.54	1,690.43
23 73 13 00-0104	EA		5,500 CFM Return Air Fan.....	8,856.25	1,889.30
23 73 13 00-0105	EA		6,000 CFM Return Air Fan.....	10,078.24	2,241.86
23 73 13 00-0106	EA		6,500 CFM Return Air Fan.....	10,335.95	2,278.01
23 73 13 00-0107	EA		7,000 CFM Return Air Fan.....	10,450.93	2,287.06
23 73 13 00-0108	EA		8,000 CFM Return Air Fan.....	10,982.33	2,323.21
23 73 13 00-0109	EA		9,000 CFM Return Air Fan.....	11,222.08	2,350.33
23 73 13 00-0110	EA		10,000 CFM Return Air Fan.....	11,800.40	2,441.11
23 73 13 00-0111	EA		12,500 CFM Return Air Fan.....	12,546.89	2,485.80
23 73 13 00-0112	EA		15,000 CFM Return Air Fan.....	14,120.77	2,556.44
23 73 13 00-0113	EA		17,500 CFM Return Air Fan.....	15,377.20	2,693.71
23 73 13 00-0114	EA		20,000 CFM Return Air Fan.....	18,213.04	2,810.97
23 73 13 00-0115	EA		22,500 CFM Return Air Fan.....	19,080.41	2,908.99
23 73 13 00-0116	EA		25,000 CFM Return Air Fan.....	19,936.28	2,992.15
23 73 13 00-0117	EA		27,500 CFM Return Air Fan.....	21,154.23	3,290.47
23 73 13 00-0118	EA		30,000 CFM Return Air Fan.....	22,608.61	3,471.00
23 73 13 00-0119	EA		35,000 CFM Return Air Fan.....	25,450.84	3,615.51
23 73 13 00-0120	EA		40,000 CFM Return Air Fan.....	29,936.07	3,977.09
23 73 13 00-0121	EA		45,000 CFM Return Air Fan.....	36,765.14	4,519.49
23 73 13 00-0122	EA		50,000 CFM Return Air Fan.....	44,593.47	4,682.59
23 73 13 00-0123	EA		55,000 CFM Return Air Fan.....	46,662.01	4,817.79
23 73 13 00-0124	EA		60,000 CFM Return Air Fan.....	47,739.59	4,944.35
23 73 13 00-0125	EA		65,000 CFM Return Air Fan.....	50,060.28	5,161.17
23 73 13 00-0126	EA		70,000 CFM Return Air Fan.....	52,579.41	5,415.32
23 73 13 00-0127	EA		75,000 CFM Return Air Fan.....	56,526.10	5,680.96
23 73 13 00-0128	EA		80,000 CFM Return Air Fan.....	59,043.08	5,982.11
23 73 13 00-0129	EA		90,000 CFM Return Air Fan.....	60,992.47	6,322.78
23 73 13 00-0130	EA		100,000 CFM Return Air Fan.....	65,544.36	6,612.18
23 73 13 00-0131	EA		115,000 CFM Return Air Fan.....	70,477.86	6,928.45
23 73 13 00-0132	EA		130,000 CFM Return Air Fan.....	75,833.15	7,277.51
23 73 13 00-0133	EA		150,000 CFM Return Air Fan.....	82,917.37	7,665.19

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA		Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	3,311.26	
23 73 13 00-0136	EA		Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	4,491.80	
23 73 13 00-0137	EA		Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	5,587.74	
23 73 13 00-0138	EA		Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	10,195.20	

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,825.12	2,354.28
			<i>For Unit Without Heat, Deduct</i>	-448.21	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,095.87	
			<i>For Unit Without Roof Curb, Deduct</i>	-822.05	
23 74 16 13-0003	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	7,310.29	2,461.29
			<i>For Unit Without Heat, Deduct</i>	-529.60	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,095.87	
			<i>For Unit Without Roof Curb, Deduct</i>	-822.05	
23 74 16 13-0004	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,412.05	2,568.30
			<i>For Unit Without Heat, Deduct</i>	-591.82	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,095.87	
			<i>For Unit Without Roof Curb, Deduct</i>	-822.05	
23 74 16 13-0005	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	9,873.00	2,728.83
			<i>For Unit Without Heat, Deduct</i>	-675.57	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,095.87	
			<i>For Unit Without Roof Curb, Deduct</i>	-822.05	
23 74 16 13-0006	EA		6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,718.71	2,889.34
			<i>For Unit Without Heat, Deduct</i>	-728.56	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,095.87	
			<i>For Unit Without Roof Curb, Deduct</i>	-822.05	
23 74 16 13-0007	EA		7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	11,951.61	3,103.37
			<i>For Unit Without Heat, Deduct</i>	-804.47	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,118.50	
			<i>For Unit Without Roof Curb, Deduct</i>	-986.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0008 EA 8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,797.34	3,263.88
<i>For Unit Without Heat, Deduct</i>	-857.46	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,118.50	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0009 EA 10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,030.25	3,477.91
<i>For Unit Without Heat, Deduct</i>	-933.37	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,143.85	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0010 EA 12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	16,794.24	3,758.28
<i>For Unit Without Heat, Deduct</i>	-1,090.30	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,235.34	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0011 EA 15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,558.24	4,039.73
<i>For Unit Without Heat, Deduct</i>	-1,247.23	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0012 EA 17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	22,239.85	4,320.46
<i>For Unit Without Heat, Deduct</i>	-1,400.04	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0013 EA 20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	24,921.46	4,601.55
<i>For Unit Without Heat, Deduct</i>	-1,552.84	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0014 EA 22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,907.69	5,069.55
<i>For Unit Without Heat, Deduct</i>	-1,733.37	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0015 EA 25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,893.92	5,537.91
<i>For Unit Without Heat, Deduct</i>	-1,913.89	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-986.48	
23 74 16 13-0016 EA 27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,006.42	6,059.78
<i>For Unit Without Heat, Deduct</i>	-2,104.29	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-1,480.86	
23 74 16 13-0017 EA 30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	37,118.92	6,581.28
<i>For Unit Without Heat, Deduct</i>	-2,294.70	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-1,480.86	
23 74 16 13-0018 EA 35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	43,250.48	7,678.16
<i>For Unit Without Heat, Deduct</i>	-2,674.40	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-1,480.86	
23 74 16 13-0019 EA 40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	49,382.03	8,775.04
<i>For Unit Without Heat, Deduct</i>	-3,054.10	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-2,194.25	
23 74 16 13-0020 EA 45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	54,395.73	9,898.68
<i>For Unit Without Heat, Deduct</i>	-3,379.70	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-2,194.25	
23 74 16 13-0021 EA 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	59,409.43	11,022.31
<i>For Unit Without Heat, Deduct</i>	-3,705.29	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-2,194.25	
23 74 16 13-0022 EA 55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	65,395.47	12,092.44
<i>For Unit Without Heat, Deduct</i>	-4,075.94	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-2,707.26	
23 74 16 13-0023 EA 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	71,381.49	13,162.57
<i>For Unit Without Heat, Deduct</i>	-4,446.58	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-2,707.26	
23 74 16 13-0024 EA 65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	77,202.73	14,232.69
<i>For Unit Without Heat, Deduct</i>	-4,808.98	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-2,802.59	
23 74 16 13-0025 EA 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	83,023.96	15,302.82
<i>For Unit Without Heat, Deduct</i>	-5,171.39	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-2,802.59	
23 74 16 13-0026 EA 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	88,987.87	16,479.97
<i>For Unit Without Heat, Deduct</i>	-5,548.06	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,335.19	
<i>For Unit Without Roof Curb, Deduct</i>	-3,115.94	
23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>		
Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028 EA 2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	5,660.97	2,140.26
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,095.87	
<i>For Unit Without Roof Curb, Deduct</i>	-822.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0029 EA 3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	6,461.86 -1,095.87 -822.05	2,461.29
23 74 16 13-0030 EA 4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	7,893.37 -1,095.87 -822.05	2,835.84
23 74 16 13-0031 EA 5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	8,973.76 -1,095.87 -822.05	3,049.87
23 74 16 13-0032 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	10,007.60 -1,095.87 -822.05	3,290.64
23 74 16 13-0033 EA 7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	10,879.59 -1,118.50 -986.48	3,451.17
23 74 16 13-0034 EA 8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	12,853.78 -1,118.50 -986.48	2,862.59
23 74 16 13-0035 EA 10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	15,746.21 -1,143.85 -986.48	3,852.46
23 74 16 13-0036 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	17,188.62 -1,235.34 -986.48	4,173.49
23 74 16 13-0037 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	20,577.49 -2,335.19 -986.48	4,494.53
23 74 16 13-0038 EA 17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	21,773.17 -2,335.19 -986.48	4,815.57
23 74 16 13-0039 EA 20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	32,509.26 -2,335.19 -986.48	5,136.61
23 74 16 13-0040 EA 22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	39,473.29 -2,335.19 -986.48	5,671.67
23 74 16 13-0041 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	46,437.33 -2,335.19 -986.48	6,135.40
23 74 16 13-0042 EA 27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	47,973.20 -2,335.19 -1,480.86	6,741.81
23 74 16 13-0043 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	51,499.40 -2,335.19 -1,480.86	7,276.86
23 74 16 13-0044 EA 35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	55,591.16 -2,335.19 -1,480.86	8,507.51
23 74 16 13-0045 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	61,673.25 -2,335.19 -2,194.25	9,738.16
23 74 16 13-0046 EA 45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	66,658.75 -2,335.19 -2,194.25	10,968.80
23 74 16 13-0047 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	71,644.23 -2,335.19 -2,194.25	12,199.45
23 74 16 13-0048 EA 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	78,493.94 -2,335.19 -2,707.26	13,430.10
23 74 16 13-0049 EA 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	85,343.65 -2,335.19 -2,707.26	14,660.75
23 74 16 13-0050 EA 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	91,235.86 -2,335.19 -2,802.59	15,276.06
23 74 16 13-0051 EA 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	97,092.40 -2,335.19 -2,802.59	15,864.64
23 74 16 13-0052 EA 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	102,984.59 -2,335.19 -3,115.94	16,479.97
23 74 16 13-0053 EA 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	108,912.48 -2,335.19 -3,115.94	17,122.04
23 74 16 13-0054 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	146,902.23 -2,335.19 -3,115.94	20,118.39
23 74 16 13-0055 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	169,749.55 -2,335.19 -3,115.94	24,505.91



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0056				AAON Rooftop Units <small>(23 74 16 13)</small> Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0057				AAON RQ Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.		
23 74 16 13-0058	EA			2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	14,966.69 1,533.79 1,664.07 1,310.11 1,499.38 7,644.38 1,784.51	2,140.26
23 74 16 13-0059	EA			3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	16,353.36 1,644.40 1,784.51 1,403.52 1,607.53 7,644.38 1,784.51	2,461.29
23 74 16 13-0060	EA			4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	17,071.53 1,644.40 1,784.51 1,403.52 1,607.53 7,644.38 1,784.51	2,835.84
23 74 16 13-0061	EA			5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	17,551.07 1,644.40 1,784.51 1,403.52 1,607.53 7,644.38 1,784.51	3,049.87
23 74 16 13-0062	EA			6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	19,187.14 1,644.40 1,784.51 1,403.52 1,607.53 7,644.38 1,784.51	3,718.77
23 74 16 13-0063				AAON RNA Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.		
23 74 16 13-0064	EA			6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	23,024.08 1,600.16 2,458.00 1,639.49 1,514.13 4,082.74 1,391.23	3,290.71
23 74 16 13-0065	EA			7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	24,562.97 1,600.16 2,458.00 1,639.49 1,514.13 4,082.74 1,391.23	3,451.24
23 74 16 13-0066	EA			8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	28,134.74 1,600.16 2,458.00 1,639.49 1,514.13 4,082.74 1,391.23	3,718.77
23 74 16 13-0067	EA			10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	28,443.37 1,600.16 2,458.00 1,639.49 1,514.13 4,082.74 1,391.23	3,852.46

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 74 16 13-0068	AAON RNB Rooftop Units <small>(23 74 16 13-0056)</small>		
	Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.		
23 74 16 13-0069	EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	33,543.72	3,852.46
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,357.22	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,843.50	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	3,893.47	
	For Hot Water Coil In Lieu Of Gas Heat, Add	1,398.60	
23 74 16 13-0070	EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	33,762.36	3,745.45
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,357.22	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,843.50	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	3,893.47	
	For Hot Water Coil In Lieu Of Gas Heat, Add	1,398.60	
23 74 16 13-0071	EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	36,835.34	4,173.49
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,357.22	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,843.50	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	3,893.47	
	For Hot Water Coil In Lieu Of Gas Heat, Add	1,398.60	
23 74 16 13-0072	EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	37,833.64	4,494.53
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,357.22	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,843.50	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	3,893.47	
	For Hot Water Coil In Lieu Of Gas Heat, Add	1,398.60	
23 74 16 13-0073	AAON RNC Rooftop Units <small>(23 74 16 13-0056)</small>		
	Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0074	EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	48,383.38	4,494.53
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,480.53	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,458.00	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	7,140.49	
	For Hot Water Coil In Lieu Of Gas Heat, Add	636.62	
23 74 16 13-0075	EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	52,257.55	4,815.57
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,480.53	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,458.00	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	7,140.49	
	For Hot Water Coil In Lieu Of Gas Heat, Add	636.62	
23 74 16 13-0076	EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	55,382.03	5,136.61
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,480.53	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,458.00	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	7,140.49	
	For Hot Water Coil In Lieu Of Gas Heat, Add	636.62	
23 74 16 13-0077	EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	60,095.21	6,206.74
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,480.53	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,458.00	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	7,140.49	
	For Hot Water Coil In Lieu Of Gas Heat, Add	636.62	
23 74 16 13-0078	EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)	68,220.10	7,276.86
	For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,480.53	
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,458.00	
	For Factory Installed Non-Fused Disconnect, Add	1,462.51	
	For Factory Installed Exhaust Fan, Add	7,140.49	
	For Hot Water Coil In Lieu Of Gas Heat, Add	636.62	
23 74 16 13-0079	AAON RND Rooftop Units <small>(23 74 16 13-0056)</small>		
	Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0080	EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	90,394.97	6,206.74
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,072.50	
	For Factory Installed Non-Fused Disconnect, Add	3,328.13	
	For Hot Water Coil In Lieu Of Gas Heat, Add	4,670.20	
23 74 16 13-0081	EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	103,057.33	7,276.86
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,072.50	
	For Factory Installed Non-Fused Disconnect, Add	3,328.13	
	For Hot Water Coil In Lieu Of Gas Heat, Add	4,670.20	
23 74 16 13-0082	EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	121,748.25	9,738.16
	For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,072.50	
	For Factory Installed Non-Fused Disconnect, Add	3,328.13	
	For Hot Water Coil In Lieu Of Gas Heat, Add	4,670.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0083 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050).....	142,997.95	12,199.45
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,072.50	
For Factory Installed Non-Fused Disconnect, Add	3,328.13	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,670.20	
23 74 16 13-0084 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060).....	157,426.70	14,660.75
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,072.50	
For Factory Installed Non-Fused Disconnect, Add	3,328.13	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,670.20	
23 74 16 13-0085 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070).....	165,784.03	15,864.71
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,072.50	
For Factory Installed Non-Fused Disconnect, Add	3,328.13	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,670.20	
23 74 16 13-0086 AAON RNE Rooftop Units <small>(23 74 16 13-0056)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087 EA 55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055).....	152,747.75	13,430.10
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0088 EA 65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065).....	168,396.21	15,276.13
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0089 EA 75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075).....	179,118.13	16,479.97
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0090 EA 95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090).....	217,457.16	22,312.15
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0091 EA 105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105).....	235,915.37	25,469.03
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0092 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120).....	274,621.88	28,037.33
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0093 EA 130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130).....	281,641.39	29,749.53
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0094 EA 140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140).....	295,786.20	33,280.97
For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,470.70	
For Factory Installed Non-Fused Disconnect, Add	4,984.82	
For Hot Water Coil In Lieu Of Gas Heat, Add	6,636.60	
23 74 16 13-0095 Heat Pump, Packaged Rooftop Heat Pump Units <small>(23 74 16 13)</small>		
See CSI section 01 22 23 00-0914 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0096 Packaged Rooftop Heat Pump Units <small>(23 74 16 13-0095)</small>		
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0097 EA 2 Ton Packaged Rooftop Heat Pump.....	7,016.25	1,926.23
For Economizer With Outside Air Control, Add	2,218.22	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	222.40	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0098 EA 2.5 Ton Packaged Rooftop Heat Pump.....	7,404.39	2,070.77
For Economizer With Outside Air Control, Add	2,355.59	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	232.17	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0099 EA 3 Ton Packaged Rooftop Heat Pump.....	7,841.41	2,215.16
For Economizer With Outside Air Control, Add	2,503.23	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	244.39	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0100 EA 3.5 Ton Packaged Rooftop Heat Pump.....	8,417.25	2,383.68
For Economizer With Outside Air Control, Add	2,479.76	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	261.95	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0101 EA 4 Ton Packaged Rooftop Heat Pump.....	8,993.33	2,552.32
For Economizer With Outside Air Control, Add	2,651.86	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	279.52	
For Unit Without Roof Curb, Deduct	-822.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0102 EA 5 Ton Packaged Rooftop Heat Pump	9,642.79	2,744.95
For Economizer With Outside Air Control, Add	2,847.02	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	239.32	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0103 EA 6 Ton Packaged Rooftop Heat Pump	10,798.51	2,961.54
For Economizer With Outside Air Control, Add	3,138.84	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	205.49	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0104 EA 7.5 Ton Packaged Rooftop Heat Pump	13,607.49	3,106.08
For Economizer With Outside Air Control, Add	3,206.63	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	283.98	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0105 EA 8.5 Ton Packaged Rooftop Heat Pump	15,169.76	3,346.79
For Economizer With Outside Air Control, Add	3,409.02	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	321.22	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0106 EA 10 Ton Packaged Rooftop Heat Pump	16,258.32	3,467.21
For Economizer With Outside Air Control, Add	3,475.01	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	232.71	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0107 EA 12.5 Ton Packaged Rooftop Heat Pump	18,755.30	3,756.15
For Economizer With Outside Air Control, Add	3,878.81	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	274.94	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0108 EA 15 Ton Packaged Rooftop Heat Pump	21,252.26	4,045.08
For Economizer With Outside Air Control, Add	4,282.60	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	317.18	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0109 EA 17.5 Ton Packaged Rooftop Heat Pump	23,724.19	4,334.02
For Economizer With Outside Air Control, Add	4,683.89	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	358.91	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0110 EA 20 Ton Packaged Rooftop Heat Pump	26,196.13	4,622.95
For Economizer With Outside Air Control, Add	5,085.19	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	400.64	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0111 Heating Only Packaged Rooftop Units <small>(23 74 16 13-0095)</small>		
Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0112 EA 24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,337.79	1,926.23
For Gas Heat, Add	462.28	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0113 EA 32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,604.67	2,215.16
For Gas Heat, Add	543.26	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0114 EA 45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,612.31	2,552.32
For Gas Heat, Add	744.80	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0115 EA 60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	13,054.29	2,744.95
For Gas Heat, Add	840.60	
For Unit Without Roof Curb, Deduct	-822.05	
23 74 16 13-0116 EA 95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,299.11	3,106.08
For Gas Heat, Add	988.11	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0117 EA 112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	17,181.07	3,346.79
For Gas Heat, Add	1,113.43	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0118 EA 140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	20,162.82	3,467.21
For Gas Heat, Add	1,318.94	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0119 EA 170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	26,032.32	4,045.08
For Gas Heat, Add	1,714.39	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0120 EA 200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	34,034.30	4,334.02
For Gas Heat, Add	2,266.83	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0121 EA 230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	39,579.27	4,622.95
For Gas Heat, Add	2,647.27	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0122 EA 270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	51,153.60	5,104.51
For Gas Heat, Add	3,444.63	
For Unit Without Roof Curb, Deduct	-986.48	
23 74 16 13-0123 EA 330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	63,864.29	6,495.67
For Gas Heat, Add	4,308.70	
For Unit Without Roof Curb, Deduct	-1,480.86	
23 74 16 13-0124 EA 360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	78,265.62	6,549.18
For Gas Heat, Add	5,303.95	
For Unit Without Roof Curb, Deduct	-1,480.86	
23 74 16 13-0125 EA 450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	95,221.56	7,656.83
For Gas Heat, Add	6,461.33	
For Unit Without Roof Curb, Deduct	-1,480.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0126 EA 540 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	123,482.32 8,380.51 -2,194.25	9,871.99
23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)		
23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)		
23 74 23 13-0001 Make-Up Air Units (23 74 23 13)		
Note: Units are shipped fully factory assembled in one piece, prewired, prepped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0914 for crane lifting equipment.		
23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001)		
Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0915 for crane lifting equipment.		
23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	8,121.37 2,115.37 983.07	642.08
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,465.01 2,772.09 1,271.39	727.69
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,505.69 3,923.66 1,770.41	856.10
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,644.61 3,933.23 1,784.56	913.17
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	19,935.66 5,467.04 2,440.59	1,027.32
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	30,135.79 8,398.66 3,702.77	1,284.15
23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001)		
Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0915 for crane lifting equipment.		
23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	16,540.32 4,641.06 2,035.44	642.08
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	23,604.21 6,713.85 2,913.79	727.69
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	29,230.82 8,341.20 3,611.05	856.10
23 74 23 13-0013 EA 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	37,795.03 10,824.85 4,673.01	1,027.32
23 74 23 13-0014 EA 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	61,014.98 17,662.42 7,562.67	1,284.15
23 76 Evaporative Air-Cooling Equipment (23 70)		
23 76 13 Direct Evaporative Air Coolers (23 76)		
23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)		
Note: Includes motor, belt and pads.		
23 76 13 00-0002 EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,630.06	424.25
23 76 13 00-0003 EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,923.45	494.95
23 76 13 00-0004 EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,465.67	565.66
23 76 13 00-0005 EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,690.58	636.36
23 76 13 00-0006 EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	3,082.51	707.07
23 76 13 00-0007 EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	3,324.13	777.78
23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)		
Note: Excludes motor starter, piping, power wiring and equipment rigging.		
23 76 13 00-0009 EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,004.73	426.92
23 76 13 00-0010 EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,100.95	440.74
23 76 13 00-0011 EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,727.67	612.11
23 76 13 00-0012 EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,742.74	722.54
23 76 13 00-0013 EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,490.07	1,057.79
23 76 13 00-0014 EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	9,693.25	1,128.31
23 76 13 00-0015 EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,996.69	1,269.35
23 76 13 00-0016 EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	10,703.52	1,586.69
23 76 13 00-0017 EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	10,936.86	2,074.12
23 76 13 00-0018 EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	12,096.99	2,115.59
23 76 13 00-0019 EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	12,789.23	2,350.70
23 76 13 00-0020 EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	17,365.94	3,672.94

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 76 Evaporative Air-Cooling Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76 13 00-0021	EA		35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	19,355.35	3,832.60
23 76 13 00-0022	EA		40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	21,373.79	4,006.78

23 80 Decentralized Unitary HVAC Equipment ⁽²³⁾

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment ^(23 80)**23 81 13 Packaged Terminal Air-Conditioners** ^(23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units ^(23 81 13)**23 81 13 11-0001 Packaged Terminal Air-Conditioners** ^(23 81 13 11)**23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners** ^(23 81 13 11-0001)

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,127.22	265.15
		For >35 To 70, Deduct	-47.91	
		For >70 To 100, Deduct	-79.85	
		For >100, Deduct	-111.78	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,275.94	326.27
		For >35 To 70, Deduct	-48.72	
		For >70 To 100, Deduct	-81.21	
		For >100, Deduct	-113.69	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,410.39	347.72
		For >35 To 70, Deduct	-51.42	
		For >70 To 100, Deduct	-85.71	
		For >100, Deduct	-119.99	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,603.65	373.75
		For >35 To 70, Deduct	-55.69	
		For >70 To 100, Deduct	-92.82	
		For >100, Deduct	-129.95	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners ^(23 81 13 11-0001)

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,285.68	289.51
		For >35 To 70, Deduct	-51.23	
		For >70 To 100, Deduct	-85.38	
		For >100, Deduct	-119.54	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,420.35	326.27
		For >35 To 70, Deduct	-53.06	
		For >70 To 100, Deduct	-88.43	
		For >100, Deduct	-123.80	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,515.04	347.72
		For >35 To 70, Deduct	-54.56	
		For >70 To 100, Deduct	-90.94	
		For >100, Deduct	-127.31	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,741.78	373.75
		For >35 To 70, Deduct	-59.84	
		For >70 To 100, Deduct	-99.73	
		For >100, Deduct	-139.62	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve ^(23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	108.84	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	122.27	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	135.70	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units ^(23 81 13 11)

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	282.83	
------------------	----	--	--------	--

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units ^(23 81 13)**23 81 13 13-0001 Single Package Vertical Wall Cooling Unit** ^(23 81 13 13)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0915 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,127.03	322.14
------------------	----	---	----------	--------



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 13-0003 EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,743.70	337.49
23 81 13 13-0004 EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,092.64	352.82
23 81 13 13-0005 EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,598.15	383.50
23 81 13 13-0006 EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,533.16	444.87
23 81 13 13-0007 EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,622.01	552.25
23 81 13 13-0008 EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	17,299.24	613.60
23 81 13 13-0009 EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	19,052.47	690.30
23 81 13 13-0010 EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	21,456.81	828.36
23 81 13 13-0011 EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	27,723.61	1,027.79
23 81 13 13-0012 EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	33,126.41	1,380.61
23 81 13 13-0013 EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	46,353.67	1,687.41
23 81 13 13-0014 EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	53,424.30	2,009.55
23 81 13 13-0015 EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	63,796.22	2,254.99

23 81 16 Room Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001 Window Unit, Room Air-Conditioners (23 81 16)

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)

23 81 16 00-0004 EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	564.68	148.49
For >10 To 50, Deduct	-13.39	
For >50 To 75, Deduct	-18.74	
For >75 To 100, Deduct	-26.77	
For >100, Deduct	-32.13	
23 81 16 00-0005 EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	591.59	148.49
For >10 To 50, Deduct	-14.73	
For >50 To 75, Deduct	-20.62	
For >75 To 100, Deduct	-29.46	
For >100, Deduct	-35.35	
23 81 16 00-0006 EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	658.86	148.49
For >10 To 50, Deduct	-18.09	
For >50 To 75, Deduct	-25.33	
For >75 To 100, Deduct	-36.19	
For >100, Deduct	-43.43	
23 81 16 00-0007 EA 10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	753.03	148.49
For >10 To 50, Deduct	-22.80	
For >50 To 75, Deduct	-31.92	
For >75 To 100, Deduct	-45.61	
For >100, Deduct	-54.73	
23 81 16 00-0008 EA 12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	874.10	148.49
For >10 To 50, Deduct	-28.86	
For >50 To 75, Deduct	-40.40	
For >75 To 100, Deduct	-57.71	
For >100, Deduct	-69.26	
23 81 16 00-0009 EA 15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	1,008.63	148.49
For >10 To 50, Deduct	-35.58	
For >50 To 75, Deduct	-49.82	
For >75 To 100, Deduct	-71.17	
For >100, Deduct	-85.40	
23 81 16 00-0010 EA 8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	954.82	148.49
For >10 To 50, Deduct	-32.89	
For >50 To 75, Deduct	-46.05	
For >75 To 100, Deduct	-65.79	
For >100, Deduct	-78.94	
23 81 16 00-0011 EA 10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	1,022.09	148.49
For >10 To 50, Deduct	-36.26	
For >50 To 75, Deduct	-50.76	
For >75 To 100, Deduct	-72.51	
For >100, Deduct	-87.01	
23 81 16 00-0012 EA 12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,075.90	148.49
For >10 To 50, Deduct	-38.95	
For >50 To 75, Deduct	-54.53	
For >75 To 100, Deduct	-77.89	
For >100, Deduct	-93.47	
23 81 16 00-0013 EA 18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,129.71	148.49
For >10 To 50, Deduct	-41.64	
For >50 To 75, Deduct	-58.29	
For >75 To 100, Deduct	-83.27	
For >100, Deduct	-99.93	
23 81 16 00-0014 EA 22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,237.33	148.49
For >10 To 50, Deduct	-47.02	
For >50 To 75, Deduct	-65.83	
For >75 To 100, Deduct	-94.04	
For >100, Deduct	-112.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0015 EA 25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2).....	1,250.79	148.49
For >10 To 50, Deduct	-47.69	
For >50 To 75, Deduct	-66.77	
For >75 To 100, Deduct	-95.38	
For >100, Deduct	-114.46	
23 81 16 00-0016 EA 28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2).....	1,961.68	148.49
For >10 To 50, Deduct	-83.24	
For >50 To 75, Deduct	-116.53	
For >75 To 100, Deduct	-166.47	
For >100, Deduct	-199.77	
23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)		
23 81 16 00-0018 EA 8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C).....	2,077.76	148.49
23 81 16 00-0019 EA 10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C).....	2,275.83	148.49
23 81 16 00-0020 EA 11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C).....	2,365.86	148.49
23 81 16 00-0021 EA 12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C).....	2,401.87	148.49
23 81 16 00-0022 EA 20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C).....	2,725.98	148.49
23 81 16 00-0023 EA 24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	3,536.25	148.49
23 81 16 00-0024 EA 28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	3,806.34	148.49
23 81 16 00-0025 EA 36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	4,166.46	148.49
23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)		
23 81 16 00-0028 EA 8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	1,075.90	148.49
For >10 To 50, Deduct	-38.95	
For >50 To 75, Deduct	-54.53	
For >75 To 100, Deduct	-77.89	
For >100, Deduct	-93.47	
23 81 16 00-0029 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2).....	1,223.88	148.49
For >10 To 50, Deduct	-46.35	
For >50 To 75, Deduct	-64.88	
For >75 To 100, Deduct	-92.69	
For >100, Deduct	-111.23	
23 81 16 00-0030 EA 18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2).....	1,304.60	148.49
For >10 To 50, Deduct	-50.38	
For >50 To 75, Deduct	-70.53	
For >75 To 100, Deduct	-100.76	
For >100, Deduct	-120.92	
23 81 16 00-0031 EA 25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2).....	1,600.57	148.49
For >10 To 50, Deduct	-65.18	
For >50 To 75, Deduct	-91.25	
For >75 To 100, Deduct	-130.36	
For >100, Deduct	-156.43	
23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)		
23 81 16 00-0033 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	2,491.90	148.49
23 81 16 00-0034 Accessories (23 81 16 00-0001)		
23 81 16 00-0035 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	642.49	84.25
23 81 16 00-0036 Removal And Reinstallation Of Room Air-Conditioners (23 81 16)		
Note: Includes storage and cleaning.		
23 81 16 00-0037 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash.....	176.77	
23 81 16 00-0038 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash.....	374.84	
23 81 16 00-0039 Through-The-Wall, Room Air-Conditioners (23 81 16)		
Note: Base unit excludes wall sleeve.		
23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)		
23 81 16 00-0042 EA 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,560.77	106.06
For >10 To 50, Deduct	-67.43	
For >50 To 75, Deduct	-94.41	
For >75 To 100, Deduct	-134.87	
For >100, Deduct	-161.84	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	305.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0043 EA 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,686.81	106.06
<i>For >10 To 50, Deduct</i>	-73.73	
<i>For >50 To 75, Deduct</i>	-103.23	
<i>For >75 To 100, Deduct</i>	-147.47	
<i>For >100, Deduct</i>	-176.96	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	
23 81 16 00-0044 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,920.89	106.06
<i>For >10 To 50, Deduct</i>	-85.44	
<i>For >50 To 75, Deduct</i>	-119.61	
<i>For >75 To 100, Deduct</i>	-170.88	
<i>For >100, Deduct</i>	-205.05	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	
23 81 16 00-0045 EA 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,686.81	106.06
<i>For >10 To 50, Deduct</i>	-73.73	
<i>For >50 To 75, Deduct</i>	-103.23	
<i>For >75 To 100, Deduct</i>	-147.47	
<i>For >100, Deduct</i>	-176.96	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	
23 81 16 00-0046 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,920.89	106.06
<i>For >10 To 50, Deduct</i>	-85.44	
<i>For >50 To 75, Deduct</i>	-119.61	
<i>For >75 To 100, Deduct</i>	-170.88	
<i>For >100, Deduct</i>	-205.05	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	
23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0039)</small>		
23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0047)</small>		
23 81 16 00-0049 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,974.91	106.06
<i>For >10 To 50, Deduct</i>	-88.14	
<i>For >50 To 75, Deduct</i>	-123.40	
<i>For >75 To 100, Deduct</i>	-176.28	
<i>For >100, Deduct</i>	-211.53	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	
23 81 16 00-0050 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	2,118.96	106.06
<i>For >10 To 50, Deduct</i>	-95.34	
<i>For >50 To 75, Deduct</i>	-133.48	
<i>For >75 To 100, Deduct</i>	-190.68	
<i>For >100, Deduct</i>	-228.82	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	
23 81 23 Computer-Room Air-Conditioners <small>(23 81)</small>		
Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units <small>(23 81)</small>		
23 81 23 12-0001 Floor Mounted Air Cooled Direct Expansion Type <small>(23 81 23 12)</small>		
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquidect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002 EA 3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	38,408.01	3,018.36
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	4,234.44	
23 81 23 12-0003 EA 5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	42,387.76	3,301.33
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	4,676.05	
23 81 23 12-0004 EA 6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	58,481.99	3,772.95
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	6,608.79	
23 81 23 12-0005 EA 8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	63,986.79	4,008.76
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	7,253.05	
23 81 23 12-0006 EA 10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	69,491.58	4,244.56
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	7,897.30	
23 81 23 12-0007 EA 16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	77,950.53	5,093.47
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	8,783.12	
23 81 23 12-0008 EA 20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	88,034.82	5,659.42
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	9,952.16	
23 81 23 12-0009 EA 22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	92,096.47	5,846.09
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	10,419.63	
23 81 23 12-0010 EA 24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	100,202.96	6,036.71
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	11,392.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0011 EA 30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping. For Liebert Unit, Add	108,422.99 12,290.24	6,791.30
23 81 23 12-0012 Floor Mounted Chilled Water Type (23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013 EA 3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	22,968.14 2,526.32	2,068.19
23 81 23 12-0014 EA 5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	24,704.31 2,706.22	2,290.92
23 81 23 12-0015 EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	30,768.65 3,264.52	3,489.41
23 81 23 12-0016 EA 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	32,131.93 3,427.33	3,535.36
23 81 23 12-0017 EA 20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	33,373.58 3,556.54	3,676.78
23 81 23 12-0018 EA 22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	34,239.61 3,608.23	4,030.32
23 81 23 12-0019 EA 31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	36,353.15 3,814.97	4,383.86
23 81 23 12-0020 Floor Mounted Water Source (23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021 EA 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	17,953.23 1,891.74	1,886.47
23 81 23 12-0022 EA 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	19,724.71 2,095.47	1,980.80
23 81 23 12-0023 EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	25,394.67 2,786.68	2,075.12
23 81 23 12-0024 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	27,380.88 2,997.69	2,263.77
23 81 23 12-0025 EA 9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	28,803.09 3,157.76	2,358.37
23 81 23 12-0026 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	30,225.29 3,317.83	2,452.42
23 81 23 12-0027 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	31,446.26 3,434.24	2,641.06
23 81 23 12-0028 EA 16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	32,846.87 3,579.76	2,829.71
23 81 23 12-0029 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	33,863.47 3,673.54	3,018.36
23 81 23 12-0030 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	38,728.92 4,171.54	3,584.30
23 81 23 12-0031 Floor Mounted Glycol System Type (23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0032 EA 3 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	46,088.61 5,416.38	2,068.19
23 81 23 12-0033 EA 5 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	49,609.78 5,819.40	2,290.92
23 81 23 12-0034 EA 6 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	64,800.54 7,672.29	2,566.68
23 81 23 12-0035 EA 8 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	74,943.80 8,894.24	2,842.44
23 81 23 12-0036 EA 9 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	79,174.06 9,400.04	2,980.32
23 81 23 12-0037 EA 10 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	84,538.98 10,047.67	3,118.20
23 81 23 12-0038 EA 12 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	90,258.19 10,739.60	3,256.78
23 81 23 12-0039 EA 15 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	96,894.81 11,546.19	3,379.81
23 81 23 12-0040 EA 16 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	103,176.24 12,304.86	3,535.36
23 81 23 12-0041 EA 20 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	113,137.40 13,527.02	3,676.78
23 81 23 12-0042 EA 22 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	117,318.27 13,993.06	4,030.32
23 81 23 12-0043 EA 30 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	142,924.92 17,136.44	4,383.86
23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit (23 81 23 12) Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0045 EA Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,828.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0046 EA Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,356.92	
23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units (23 81 23)		
23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner (23 81 23 13)		
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquidect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	15,146.73	896.57
For Liebert Unit, Add	1,725.31	
23 81 23 13-0003 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,772.96	1,076.73
For Liebert Unit, Add	1,894.83	
23 81 23 13-0004 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	19,192.27	1,347.54
For Liebert Unit, Add	2,146.51	
23 81 23 13-0005 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	23,555.83	1,572.11
For Liebert Unit, Add	2,649.86	
23 81 23 13-0006 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	31,814.49	1,708.72
For Liebert Unit, Add	3,656.58	
23 81 26 Split-System Air-Conditioners (23 81)		
23 81 26 13 Small-Capacity Split-System Air-Conditioners (23 81 26)		
23 81 26 13-0001 Split System A/C Unit (23 81 26 13)		
See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		
23 81 26 13-0002 Ductless Split System Air Conditioners (23 81 26 13-0001)		
Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
23 81 26 13-0004 EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners	2,387.33	466.67
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0005 EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner	2,591.24	509.10
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0006 EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners	3,209.35	565.66
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0007 EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners	3,567.12	622.22
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0008 EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners	5,353.78	678.79
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0009 EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners	6,191.46	707.07
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0010 EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners	6,782.30	753.74
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012 EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,040.43	226.27
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0013 EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,101.82	240.41
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0014 EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,164.11	254.55
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0015 EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,308.09	268.69
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0016 EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,398.20	282.83
Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0017 EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	2,753.35	339.39
Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0018 EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	3,044.01	367.68
Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0019 EA 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	4,717.16	395.96
Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
Note: Excludes hangers.		
23 81 26 13-0021 EA 24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners	5,706.89	678.79
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0022 EA 31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners	6,955.85	810.30
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0023 EA 39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners	8,415.87	848.49
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
Note: Excludes hangers.		
23 81 26 13-0025 EA 11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	3,572.93	565.66
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0026 EA 17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,151.55	622.22
23 81 26 13-0027 EA 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,713.65	735.36
23 81 26 13-0028 EA 32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,596.76	810.30
23 81 26 13-0029 EA 39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,236.32	848.49
23 81 26 13-0030 Ductless Split System Accessories (23 81 26 13-0002)		
23 81 26 13-0031 LF 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	15.10	2.03
23 81 26 13-0032 LF 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.30	2.23
23 81 26 13-0033 LF 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.94	2.45
23 81 26 13-0034 EA 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.49	3.80
23 81 26 13-0035 EA 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.97	4.18
23 81 26 13-0036 EA 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.89	4.60
23 81 26 13-0037 EA 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.65	7.60
23 81 26 13-0038 EA 4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	102.26	8.36
23 81 26 13-0039 EA 6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.11	9.20
23 81 26 13-0040 EA 3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	82.84	8.11
23 81 26 13-0041 EA 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	96.95	8.92
23 81 26 13-0042 EA 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	148.61	9.81
23 81 26 13-0043 EA 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.65	7.60
23 81 26 13-0044 EA 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	102.26	8.36
23 81 26 13-0045 EA 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.11	9.20
23 81 26 13-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	82.68	12.68
23 81 26 13-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	119.16	13.94
23 81 26 13-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	142.03	15.33
23 81 26 13-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.96	2.53
23 81 26 13-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.99	7.60
23 81 26 13-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	81.27	8.36
23 81 26 13-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	46.33	7.60
23 81 26 13-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.62	8.36
23 81 26 13-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	67.48	9.20
23 81 26 13-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	214.89	10.13
23 81 26 13-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	243.59	11.15
23 81 26 13-0057 EA 14" Condensing Unit Mounting Blocks With End Caps	147.82	38.02
23 81 26 13-0058 EA 17" Condensing Unit Mounting Blocks With End Caps	162.47	40.55
23 81 26 13-0059 EA 36" Condensing Unit Mounting Blocks With End Caps	216.78	43.08
23 81 26 13-0060 EA End Cap, Set of 4	23.29	
23 81 26 13-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	312.09	76.02
23 81 26 13-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	331.43	81.09
23 81 26 13-0063 LF 5/8" ID Condensate Drain Line	3.20	0.20
23 81 26 13-0064 LF 3/4" ID Condensate Drain Line	3.31	0.20
23 81 26 13-0065 Cased A/C Evaporator Coils (23 81 26 13-0001)		
23 81 26 13-0066 Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0067 EA 1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	745.54	153.18
23 81 26 13-0068 EA 2 Ton Vertical Cased A/C Evaporator Coil.....	780.81	164.66
23 81 26 13-0069 EA 2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	916.21	176.16
23 81 26 13-0070 EA 3 Ton Vertical Cased A/C Evaporator Coil.....	1,035.83	187.64
23 81 26 13-0071 EA 3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,184.66	195.30
23 81 26 13-0072 EA 4 Ton Vertical Cased A/C Evaporator Coil.....	1,312.41	202.96
23 81 26 13-0073 EA 4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,409.80	218.28
23 81 26 13-0074 EA 5 Ton Vertical Cased A/C Evaporator Coil.....	1,425.77	229.77
23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0076 EA 2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	893.75	157.01
23 81 26 13-0077 EA 2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,018.45	165.82
23 81 26 13-0078 EA 3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,157.13	176.16
23 81 26 13-0079 EA 3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,199.48	182.51
23 81 26 13-0080 EA 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,256.06	191.47
23 81 26 13-0081 EA 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,276.17	201.42
23 81 26 13-0082 EA 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,295.88	211.38
23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0084 EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	793.61	157.01
23 81 26 13-0085 EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	944.56	176.16
23 81 26 13-0086 EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	1,083.90	191.47
23 81 26 13-0087 EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	1,294.13	211.38
23 81 26 16 Large-Capacity Split-System Air-Conditioners (23 81 26)		
23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)		



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0002 Outdoor Units <small>(23 81 26 16-0001)</small>		
23 81 26 16-0003 EA 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	16,675.28	742.43
23 81 26 16-0004 EA 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,111.44	883.84
23 81 26 16-0005 EA 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	20,416.77	1,060.61
23 81 26 16-0006 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	25,051.50	1,095.97
23 81 26 16-0007 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	33,195.51	1,131.32
23 81 26 16-0008 EA 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YKMU-A)	34,419.54	1,166.67
23 81 26 16-0009 EA 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YKMU-A)	35,643.58	1,202.02
23 81 26 16-0010 EA 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YKMU-A)	37,736.79	1,272.73
23 81 26 16-0011 EA 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YKMU-A)	39,830.00	1,343.44
23 81 26 16-0012 EA 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YKMU-A)	44,535.44	1,414.15
23 81 26 16-0013 EA 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YKMU-A)	49,240.87	1,484.85
23 81 26 16-0014 Indoor Units <small>(23 81 26 16-0001)</small>		
23 81 26 16-0015 EA 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,790.36	229.80
23 81 26 16-0016 EA 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NBMU-E2)	1,884.86	247.48
23 81 26 16-0017 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NBMU-E2)	1,969.51	265.15
23 81 26 16-0018 EA 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NBMU-E2)	2,068.93	282.83
23 81 26 16-0019 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NBMU-E2)	2,253.85	335.86
23 81 26 16-0020 EA 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NBMU-E2)	2,530.32	406.56
23 81 26 16-0021 EA 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NBMU-E2)	2,741.98	441.93
23 81 26 16-0022 EA 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,560.85	252.78
23 81 26 16-0023 EA 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,653.96	272.22
23 81 26 16-0024 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,801.28	291.67
23 81 26 16-0025 EA 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,037.31	311.11
23 81 26 16-0026 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,222.99	369.44
23 81 26 16-0027 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,555.98	447.23
23 81 26 16-0028 EA 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,737.79	466.67
23 81 26 16-0029 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	3,939.33	486.12
23 81 26 16-0030 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,366.79	534.72
23 81 26 16-0031 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,838.47	588.20
23 81 26 16-0032 EA 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,241.97	647.01
23 81 26 16-0033 EA 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,598.63	711.71
23 81 26 16-0034 EA 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,480.29	782.89
23 81 26 16-0035 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,912.67	291.67
23 81 26 16-0036 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,072.80	311.11
23 81 26 16-0037 EA 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,261.44	369.44
23 81 26 16-0038 EA 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,670.33	447.23
23 81 26 16-0039 EA 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	3,956.09	486.12
23 81 26 16-0040 EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	4,815.30	534.73
23 81 26 16-0041 EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,615.07	252.78
23 81 26 16-0042 EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,752.53	272.22
23 81 26 16-0043 EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	2,959.00	291.67
23 81 26 16-0044 EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,116.17	311.11
23 81 26 16-0045 EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,437.09	272.22
23 81 26 16-0046 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,564.70	291.67
23 81 26 16-0047 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,697.23	311.11
23 81 26 16-0048 Controllers For Outdoor Units <small>(23 81 26 16-0001)</small>		
23 81 26 16-0049 EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	8,951.00	212.12
23 81 26 16-0050 EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	10,352.46	247.48
23 81 26 16-0051 EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	11,443.42	282.83
23 81 26 16-0052 EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	13,574.35	318.18
23 81 26 16-0053 EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	4,999.65	141.41
23 81 26 16-0054 EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	7,699.09	212.12
23 81 26 16-0055 EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	11,765.49	318.18
23 81 26 16-0056 Energy Recovery Units <small>(23 81 26 16-0001)</small>		
23 81 26 16-0057 EA 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	6,358.47	212.12
23 81 26 16-0058 EA 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	11,957.54	212.12
23 81 26 16-0059 EA 112 MBH Cooling, 81.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	12,141.60	247.48
23 81 26 16-0060 EA Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,571.47	176.77
23 81 26 16-0061 EA Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,260.86	183.84
23 81 26 16-0062 EA Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	3,876.31	190.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0063 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	7,014.00	212.12
23 81 26 16-0064 Piping Specialties (23 81 26 16-0001)		
23 81 26 16-0065 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	877.32	
23 81 26 16-0066 EA Branch Joint (Mitsubishi CMY-Y102SS-G2).....	262.71	58.19
23 81 26 16-0067 EA Branch Joint (Mitsubishi CMY-Y102LS-G2).....	262.71	58.19
23 81 26 16-0068 EA Branch Joint (Mitsubishi CMY-Y202S-G2).....	290.08	61.26
23 81 26 16-0069 EA Branch Joint (Mitsubishi CMY-Y302S-G2).....	359.60	68.91
23 81 26 16-0070 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	475.08	99.54
23 81 26 16-0071 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	822.01	199.07
23 81 26 16-0072 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	142.65	24.50
23 81 26 16-0073 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	163.98	33.68
23 81 26 16-0074 Split System Air Conditioners (Daikin VRV) (23 81 26 16)		
23 81 26 16-0075 Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0076 EA 6 Ton Heat Pump Outdoor Unit (Daikin).....	25,549.95	742.43
23 81 26 16-0077 EA 8 Ton Heat Pump Outdoor Unit (Daikin).....	28,577.05	883.84
23 81 26 16-0078 EA 10 Ton Heat Pump Outdoor Unit (Daikin).....	31,885.96	1,060.61
23 81 26 16-0079 EA 12 Ton Heat Pump Outdoor Unit (Daikin).....	39,767.27	1,095.97
23 81 26 16-0080 EA 14 Ton Heat Pump Outdoor Unit (Daikin).....	53,207.82	1,166.67
23 81 26 16-0081 EA 16 Ton Heat Pump Outdoor Unit (Daikin).....	56,233.89	1,202.02
23 81 26 16-0082 EA 18 Ton Heat Pump Outdoor Unit (Daikin).....	59,119.58	1,272.73
23 81 26 16-0083 EA 20 Ton Heat Pump Outdoor Unit (Daikin).....	62,216.36	1,343.44
23 81 26 16-0084 EA 22 Ton Heat Pump Outdoor Unit (Daikin).....	80,512.15	1,414.15
23 81 26 16-0085 EA 24 Ton Heat Pump Outdoor Unit (Daikin).....	83,608.92	1,484.85
23 81 26 16-0086 EA 26 Ton Heat Pump Outdoor Unit (Daikin).....	86,705.70	1,555.57
23 81 26 16-0087 EA 28 Ton Heat Pump Outdoor Unit (Daikin).....	89,591.39	1,626.27
23 81 26 16-0088 EA 30 Ton Heat Pump Outdoor Unit (Daikin).....	92,688.16	1,696.98
23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0090 EA 6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	32,724.64	965.15
23 81 26 16-0091 EA 8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	35,719.09	1,148.99
23 81 26 16-0092 EA 10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	39,277.44	1,378.80
23 81 26 16-0093 EA 12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	49,290.94	1,424.75
23 81 26 16-0094 EA 14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	66,573.67	1,516.67
23 81 26 16-0095 EA 16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	71,731.93	1,562.64
23 81 26 16-0096 EA 18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	74,448.94	1,654.55
23 81 26 16-0097 EA 20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	77,165.94	1,746.47
23 81 26 16-0098 EA 22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	101,520.43	1,838.39
23 81 26 16-0099 EA 24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	104,237.45	1,930.31
23 81 26 16-0100 EA 26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	109,487.62	2,022.23
23 81 26 16-0101 EA 28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	112,204.63	2,114.15
23 81 26 16-0102 Indoor Units (23 81 26 16-0074)		
23 81 26 16-0103 EA 7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	2,964.39	247.48
23 81 26 16-0104 EA 9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	3,096.04	254.55
23 81 26 16-0105 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	3,497.62	265.15
23 81 26 16-0106 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin).....	3,929.79	335.86
23 81 26 16-0107 EA 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	4,322.14	406.56
23 81 26 16-0108 EA 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,320.31	272.22
23 81 26 16-0109 EA 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,465.30	280.00
23 81 26 16-0110 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,689.78	155.56
23 81 26 16-0111 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,994.70	369.44
23 81 26 16-0112 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	5,920.96	447.23
23 81 26 16-0113 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	6,765.45	486.12
23 81 26 16-0114 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	7,233.10	534.72
23 81 26 16-0115 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	7,489.41	588.20
23 81 26 16-0116 EA 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	4,826.14	272.22
23 81 26 16-0117 EA 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	4,941.27	280.00
23 81 26 16-0118 EA 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	5,253.37	291.67
23 81 26 16-0119 EA 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	5,618.04	369.44
23 81 26 16-0120 Branch Selector Boxes (23 81 26 16-0074)		
23 81 26 16-0121 EA 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin).....	14,568.79	318.18
23 81 26 16-0122 EA 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin).....	21,536.04	424.25
23 81 26 16-0123 EA 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin).....	2,891.68	141.41
23 81 26 16-0124 EA 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin).....	3,903.37	212.12
23 81 26 16-0125 EA 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin).....	4,858.31	318.18
23 81 26 16-0126 Controllers (23 81 26 16-0074)		
23 81 26 16-0127 EA Up To 16 Units, Navigation Controller (Daikin).....	930.06	28.28
23 81 26 16-0128 EA Individual Zone Controller (Daikin).....	683.12	28.28
23 81 26 16-0129 EA Up To 16 Groups, Unified ON/OFF Controller (Daikin).....	1,286.54	28.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0130 EA Up To 64 Units, Multizone Controller (Daikin).....	1,786.40	28.28
23 81 26 16-0131 EA I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin).....	16,736.91	339.39
23 81 26 16-0132 EA I-Touch Manager D3net Plus Adapter (Daikin).....	3,070.91	28.28
23 81 26 16-0133 EA 24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin).....	680.48	49.92
23 81 26 16-0134 Energy Recovery Units <small>(23 81 26 16-0074)</small>		
23 81 26 16-0135 EA 300 CFM Energy Recovery Unit (Daikin).....	5,051.44	176.77
23 81 26 16-0136 EA 470 CFM Energy Recovery Unit (Daikin).....	6,543.28	183.84
23 81 26 16-0137 EA 600 CFM Energy Recovery Unit (Daikin).....	7,824.00	190.91
23 81 26 16-0138 EA 1,200 CFM Energy Recovery Unit (Daikin).....	14,567.78	212.12
23 81 43 Air-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 43 00-0001 Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>		
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0915 for crane lifting equipment.		
23 81 43 00-0002 EA 1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,159.37	230.10
For Unit Economizer, Add	284.52	
For >35 To 70, Deduct	-51.44	
For >70 To 100, Deduct	-85.73	
For >100, Deduct	-120.02	
For Low Ambient Protection, 0 Degree F, Add	265.52	
23 81 43 00-0003 EA 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,380.54	245.44
For Unit Economizer, Add	314.25	
For >35 To 70, Deduct	-57.15	
For >70 To 100, Deduct	-95.25	
For >100, Deduct	-133.35	
For Low Ambient Protection, 0 Degree F, Add	290.34	
23 81 43 00-0004 EA 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,980.74	245.44
For Unit Economizer, Add	538.28	
For >35 To 70, Deduct	-105.16	
For >70 To 100, Deduct	-175.26	
For >100, Deduct	-245.36	
For Low Ambient Protection, 0 Degree F, Add	434.35	
23 81 43 00-0005 EA 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,354.32	245.44
For Unit Economizer, Add	589.36	
For >35 To 70, Deduct	-115.44	
For >70 To 100, Deduct	-192.41	
For >100, Deduct	-269.37	
For Low Ambient Protection, 0 Degree F, Add	242.00	
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,918.41	260.78
For Unit Economizer, Add	667.10	
For >35 To 70, Deduct	-131.45	
For >70 To 100, Deduct	-219.08	
For >100, Deduct	-306.71	
For Low Ambient Protection, 0 Degree F, Add	265.67	
23 81 43 00-0007 EA 3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,147.01	276.12
For Unit Economizer, Add	699.11	
For >35 To 70, Deduct	-138.30	
For >70 To 100, Deduct	-230.51	
For >100, Deduct	-322.71	
For Low Ambient Protection, 0 Degree F, Add	733.54	
23 81 43 00-0008 EA 3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,787.29	276.12
For Unit Economizer, Add	787.52	
For >35 To 70, Deduct	-156.59	
For >70 To 100, Deduct	-260.99	
For >100, Deduct	-365.38	
For Low Ambient Protection, 0 Degree F, Add	820.46	
23 81 43 00-0009 EA 4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,374.13	291.46
For Unit Economizer, Add	869.06	
For >35 To 70, Deduct	-173.74	
For >70 To 100, Deduct	-289.56	
For >100, Deduct	-405.38	
For Low Ambient Protection, 0 Degree F, Add	898.59	
23 81 43 00-0010 EA 5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	7,342.47	337.49
For Unit Economizer, Add	1,000.95	
For >35 To 70, Deduct	-200.03	
For >70 To 100, Deduct	-333.38	
For >100, Deduct	-466.73	
For Low Ambient Protection, 0 Degree F, Add	1,035.52	
23 81 43 00-0011 EA 7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	13,347.95	398.84
For Unit Economizer, Add	1,836.19	
For >35 To 70, Deduct	-376.05	
For >70 To 100, Deduct	-626.75	
For >100, Deduct	-877.44	
For Low Ambient Protection, 0 Degree F, Add	1,832.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	17,182.21	506.22
			<i>For Unit Economizer, Add</i>	2,364.40	
			<i>For >35 To 70, Deduct</i>	-484.63	
			<i>For >70 To 100, Deduct</i>	-807.72	
			<i>For >100, Deduct</i>	-1,130.81	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	418.49	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	20,947.19	567.58
			<i>For Unit Economizer, Add</i>	2,887.20	
			<i>For >35 To 70, Deduct</i>	-594.36	
			<i>For >70 To 100, Deduct</i>	-990.60	
			<i>For >100, Deduct</i>	-1,386.84	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	481.91	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	25,809.66	644.28
			<i>For Unit Economizer, Add</i>	3,562.42	
			<i>For >35 To 70, Deduct</i>	-736.09	
			<i>For >70 To 100, Deduct</i>	-1,226.82	
			<i>For >100, Deduct</i>	-1,717.55	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	563.67	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	34,299.05	690.30
			<i>For Unit Economizer, Add</i>	4,746.64	
			<i>For >35 To 70, Deduct</i>	-987.55	
			<i>For >70 To 100, Deduct</i>	-1,645.92	
			<i>For >100, Deduct</i>	-2,304.29	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	674.34	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	41,279.78	751.66
			<i>For Unit Economizer, Add</i>	5,719.04	
			<i>For >35 To 70, Deduct</i>	-1,193.29	
			<i>For >70 To 100, Deduct</i>	-1,988.82	
			<i>For >100, Deduct</i>	-2,784.35	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	773.60	
23 81 43 00-0017			Single Package Vertical Wall Heat Pumps <small>(23 81 43)</small>		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0915 for crane lifting equipment.		
23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,307.94	306.80
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,986.53	337.49
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,111.48	352.82
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	5,849.56	383.50
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,296.90	444.87
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,807.42	506.22
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,492.62	567.58
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,551.21	628.94
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	10,790.14	751.66
23 81 43 00-0027			Heat Pump, Room Air-Conditioners <small>(23 81 43)</small>		
			Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028			Heat Pump, Window Unit, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
23 81 43 00-0029			Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0028)</small>		
23 81 43 00-0030	EA		10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C).....	2,545.92	148.49
			<i>For >10 To 50, Deduct</i>	-112.45	
			<i>For >50 To 75, Deduct</i>	-157.43	
			<i>For >75 To 100, Deduct</i>	-224.90	
			<i>For >100, Deduct</i>	-269.87	
23 81 43 00-0031	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C).....	2,870.03	148.49
			<i>For >10 To 50, Deduct</i>	-128.65	
			<i>For >50 To 75, Deduct</i>	-180.11	
			<i>For >75 To 100, Deduct</i>	-257.31	
			<i>For >100, Deduct</i>	-308.77	
23 81 43 00-0032	EA		17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	3,356.19	148.49
			<i>For >10 To 50, Deduct</i>	-152.96	
			<i>For >50 To 75, Deduct</i>	-214.15	
			<i>For >75 To 100, Deduct</i>	-305.92	
			<i>For >100, Deduct</i>	-367.11	
23 81 43 00-0033	EA		24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	3,896.37	148.49
			<i>For >10 To 50, Deduct</i>	-179.97	
			<i>For >50 To 75, Deduct</i>	-251.96	
			<i>For >75 To 100, Deduct</i>	-359.94	
			<i>For >100, Deduct</i>	-431.93	
23 81 43 00-0034			Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
			Note: Base unit excludes wall sleeve.		
23 81 43 00-0035			Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0034)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	2,551.10	106.06
<i>For >10 To 50, Deduct</i>	-116.95	
<i>For >50 To 75, Deduct</i>	-163.73	
<i>For >75 To 100, Deduct</i>	-233.90	
<i>For >100, Deduct</i>	-280.68	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	
23 81 43 00-0037 EA 11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	2,551.10	106.06
<i>For >10 To 50, Deduct</i>	-116.95	
<i>For >50 To 75, Deduct</i>	-163.73	
<i>For >75 To 100, Deduct</i>	-233.90	
<i>For >100, Deduct</i>	-280.68	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.54	

23 81 46 Water-Source Unitary Heat Pumps (23 81)

23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)		
Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002 EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,578.69	306.36
23 81 46 00-0003 EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,687.65	306.36
23 81 46 00-0004 EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,254.96	336.99
23 81 46 00-0005 EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,488.13	367.63
23 81 46 00-0006 EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,815.74	398.26
23 81 46 00-0007 EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,651.79	428.90
23 81 46 00-0008 EA 36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,785.70	459.53
23 81 46 00-0009 EA 42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,307.00	490.17
23 81 46 00-0010 EA 48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,731.45	520.81
23 81 46 00-0011 EA 60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,853.25	551.44

23 81 49 Split System Heat Pumps (23 81)

23 81 49 00-0001 Air Cooled, Outdoor Section (23 81 49)		
Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0002 EA 1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,270.40	455.60
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	781.19	
<i>For Winterstart Control, Add</i>	212.23	
<i>For 15 SEER, Add</i>	644.42	
<i>For 16 SEER, Add</i>	1,038.23	
<i>For 18 SEER, Add</i>	1,575.24	
23 81 49 00-0003 EA 2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,416.89	506.22
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	812.23	
<i>For Winterstart Control, Add</i>	222.70	
<i>For 15 SEER, Add</i>	656.98	
<i>For 16 SEER, Add</i>	1,058.47	
<i>For 18 SEER, Add</i>	1,605.95	
23 81 49 00-0004 EA 2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,837.94	587.53
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	893.63	
<i>For Winterstart Control, Add</i>	246.90	
<i>For 15 SEER, Add</i>	710.68	
<i>For 16 SEER, Add</i>	1,144.98	
<i>For 18 SEER, Add</i>	1,737.22	
23 81 49 00-0005 EA 3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,293.35	674.96
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	768.16	
<i>For Winterstart Control, Add</i>	273.10	
<i>For 15 SEER, Add</i>	768.71	
<i>For 16 SEER, Add</i>	1,238.48	
<i>For 18 SEER, Add</i>	1,879.08	
23 81 49 00-0006 EA 3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,462.53	701.04
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	793.56	
<i>For Winterstart Control, Add</i>	282.22	
<i>For 15 SEER, Add</i>	792.10	
<i>For 16 SEER, Add</i>	1,276.16	
<i>For 18 SEER, Add</i>	1,936.24	
23 81 49 00-0007 EA 4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,061.12	805.36
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	876.90	
<i>For Winterstart Control, Add</i>	311.47	
<i>For 15 SEER, Add</i>	883.91	
<i>For 16 SEER, Add</i>	1,424.08	
<i>For 18 SEER, Add</i>	2,160.67	
23 81 49 00-0008 EA 5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,890.75	885.89
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	597.65	
<i>For Winterstart Control, Add</i>	182.81	
<i>For 15 SEER, Add</i>	1,012.54	
<i>For 16 SEER, Add</i>	1,631.31	
<i>For 18 SEER, Add</i>	2,475.09	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0009 EA 7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	7,310.49	989.91
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	648.35	
For Winterstart Control, Add	200.38	
23 81 49 00-0010 EA 10 Ton, 11.1 EER, Outdoor Heat Pump Unit	10,046.92	1,187.88
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	505.53	
For Winterstart Control, Add	253.44	
23 81 49 00-0011 EA 15 Ton, 10.9 EER, Outdoor Heat Pump Unit	13,148.30	1,385.87
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	574.37	
For Winterstart Control, Add	309.24	
23 81 49 00-0012 EA 20 Ton, 10.3 EER, Outdoor Heat Pump Unit	23,260.67	1,484.85
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	610.80	
For Winterstart Control, Add	423.48	
23 81 49 00-0013 Indoor Section, Horizontal Upflow <small>(23 81 49)</small>		
Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014 EA 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,279.85	151.31
For Additional 5 KW Electric Heat, Add	112.78	
23 81 49 00-0015 EA 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,421.81	188.50
For Additional 5 KW Electric Heat, Add	123.33	
23 81 49 00-0016 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,500.88	227.68
For Additional 5 KW Electric Heat, Add	127.28	
23 81 49 00-0017 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,001.66	266.57
For Additional 5 KW Electric Heat, Add	173.48	
23 81 49 00-0018 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,069.79	300.51
For Additional 5 KW Electric Heat, Add	176.89	
23 81 49 00-0019 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,301.73	345.05
For Additional 5 KW Electric Heat, Add	195.68	
23 81 49 00-0020 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	4,822.27	565.66
For Additional 5 KW Electric Heat, Add	425.66	
23 81 49 00-0021 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,006.07	636.36
For Additional 5 KW Electric Heat, Add	636.98	
23 81 49 00-0022 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	9,731.52	707.07
For Additional 5 KW Electric Heat, Add	902.44	
23 81 49 00-0023 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	11,084.12	848.49
For Additional 5 KW Electric Heat, Add	1,023.55	
23 81 49 00-0024 Ductless Split System Heat Pumps <small>(23 81 49)</small>		
Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
23 81 49 00-0026 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,566.88	466.67
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	2,837.22	509.10
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps	3,439.17	565.66
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	3,948.66	622.22
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	5,496.82	678.79
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps	6,327.92	707.07
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	6,930.43	753.74
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,079.93	226.27
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0035 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,142.22	240.41
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,205.41	254.55
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,362.85	268.69
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,452.06	282.83
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	3,085.51	339.39
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	3,641.00	367.68
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	5,800.72	395.96
Note: Includes outdoor unit and refrigerant charge.		



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 81 49 00-0042	Suspended Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>	
	Note: Excludes hangers.	
23 81 49 00-0043 EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps	5,850.53 678.79
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	
23 81 49 00-0044 EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps	7,103.98 810.30
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	
23 81 49 00-0045 EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps	8,505.64 848.49
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	
23 81 49 00-0046	Recessed Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>	
	Note: Excludes hangers.	
23 81 49 00-0047 EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps	3,932.03 565.66
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	
23 81 49 00-0048 EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps	4,454.08 622.22
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	
23 81 49 00-0049 EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps	5,857.29 735.36
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	
23 81 49 00-0050 EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps	6,744.89 810.30
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	
23 81 49 00-0051 EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps	8,326.10 848.49
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	

23 82 Convection Heating and Cooling Units (23 80)

23 82 16 Air Coils (23 82)

23 82 16 11 Hydronic Air Coils (23 82 16)

23 82 16 11-0001 Chilled Water Cooling Coils (23 82 16 11)

Note: Flanged construction, 16 gauge galvanized steel casing.

23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 82 16 11-0003 EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,925.37 76.59
23 82 16 11-0004 EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,187.01 104.16
23 82 16 11-0005 EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,299.30 163.90
23 82 16 11-0006 EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,209.49 234.37
23 82 16 11-0007 EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,545.76 287.98
23 82 16 11-0008 EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,216.97 349.25
23 82 16 11-0009 EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,674.29 404.39
23 82 16 11-0010 EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,235.26 714.42
23 82 16 11-0011 EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,427.85 271.59
23 82 16 11-0012 EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,721.46 462.45
23 82 16 11-0013 EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,405.92 574.42
23 82 16 11-0014 EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,062.60 693.74
23 82 16 11-0015 EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,728.97 807.86
23 82 16 11-0016 SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	389.70 40.73

23 82 16 11-0017 4 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 82 16 11-0018 EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,394.67 159.30
23 82 16 11-0019 EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,847.32 229.77
23 82 16 11-0020 EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,262.92 382.95
23 82 16 11-0021 EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,461.90 568.29
23 82 16 11-0022 EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,480.81 696.96
23 82 16 11-0023 EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,897.22 851.67
23 82 16 11-0024 EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,929.46 1,021.70
23 82 16 11-0025 EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,755.82 1,189.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0026 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,076.74	513.29
23 82 16 11-0027 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,779.57	772.01
23 82 16 11-0028 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,642.31	957.36
23 82 16 11-0029 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,684.59	1,153.44
23 82 16 11-0030 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,643.92	1,348.42
23 82 16 11-0031 6 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0032 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,378.06	202.20
23 82 16 11-0033 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,990.76	300.23
23 82 16 11-0034 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,449.03	511.62
23 82 16 11-0035 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,412.51	765.89
23 82 16 11-0036 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,732.64	957.36
23 82 16 11-0037 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,073.89	1,177.94
23 82 16 11-0038 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,886.06	1,392.39
23 82 16 11-0039 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,325.08	1,622.62
23 82 16 11-0040 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,618.17	701.41
23 82 16 11-0041 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,778.43	1,052.03
23 82 16 11-0042 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,032.35	1,317.33
23 82 16 11-0043 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,245.03	1,582.49
23 82 16 11-0044 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	13,463.18	1,841.05
23 82 16 11-0045 8 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0046 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,222.27	243.56
23 82 16 11-0047 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,175.05	373.75
23 82 16 11-0048 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,731.59	666.32
23 82 16 11-0049 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,275.39	1,021.70
23 82 16 11-0050 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,342.65	1,277.51
23 82 16 11-0051 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	14,340.72	1,531.78
23 82 16 11-0052 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	16,479.93	1,701.81
23 82 16 11-0053 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	14,162.63	1,974.01
23 82 16 11-0054 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,701.99	854.74
23 82 16 11-0055 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,203.74	1,285.01
23 82 16 11-0056 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,658.13	1,600.71
23 82 16 11-0057 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	14,044.66	1,914.73
23 82 16 11-0058 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	15,508.98	2,252.63
23 82 16 11-0059 Hot Water Heating Coils (23 82 16 11)		
Note: Flanged construction.		
23 82 16 11-0060 1 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0061 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,560.93	206.79
For 10 Fins Per Inch, Add	22.94	
For 12 Fins Per Inch, Add	57.35	
For 230 PSIG Heavy Duty, Add	353.59	
23 82 16 11-0062 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,300.74	264.99
For 10 Fins Per Inch, Add	35.45	
For 12 Fins Per Inch, Add	88.63	
For 230 PSIG Heavy Duty, Add	512.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0063 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,814.76	364.56
<i>For 10 Fins Per Inch, Add</i>	41.71	
<i>For 12 Fins Per Inch, Add</i>	104.27	
<i>For 230 PSIG Heavy Duty, Add</i>	635.89	
23 82 16 11-0064 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,367.20	511.62
<i>For 10 Fins Per Inch, Add</i>	46.92	
<i>For 12 Fins Per Inch, Add</i>	117.30	
<i>For 230 PSIG Heavy Duty, Add</i>	775.56	
23 82 16 11-0065 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,832.10	612.71
<i>For 10 Fins Per Inch, Add</i>	52.13	
<i>For 12 Fins Per Inch, Add</i>	130.33	
<i>For 230 PSIG Heavy Duty, Add</i>	888.96	
23 82 16 11-0066 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,503.39	765.89
<i>For 10 Fins Per Inch, Add</i>	59.43	
<i>For 12 Fins Per Inch, Add</i>	148.58	
<i>For 230 PSIG Heavy Duty, Add</i>	1,053.86	
23 82 16 11-0067 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,038.53	850.14
<i>For 10 Fins Per Inch, Add</i>	66.73	
<i>For 12 Fins Per Inch, Add</i>	166.83	
<i>For 230 PSIG Heavy Duty, Add</i>	1,177.90	
23 82 16 11-0068 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,213.40	988.46
<i>For 10 Fins Per Inch, Add</i>	84.58	
<i>For 12 Fins Per Inch, Add</i>	211.46	
<i>For 230 PSIG Heavy Duty, Add</i>	1,441.10	
23 82 16 11-0069 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,682.67	428.29
<i>For 10 Fins Per Inch, Add</i>	36.52	
<i>For 12 Fins Per Inch, Add</i>	91.30	
<i>For 230 PSIG Heavy Duty, Add</i>	622.20	
23 82 16 11-0070 EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,023.98	642.58
<i>For 10 Fins Per Inch, Add</i>	54.78	
<i>For 12 Fins Per Inch, Add</i>	136.95	
<i>For 230 PSIG Heavy Duty, Add</i>	933.30	
23 82 16 11-0071 EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,052.30	971.92
<i>For 10 Fins Per Inch, Add</i>	82.17	
<i>For 12 Fins Per Inch, Add</i>	205.42	
<i>For 230 PSIG Heavy Duty, Add</i>	1,404.85	
23 82 16 11-0072 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	7,045.74	1,126.32
<i>For 10 Fins Per Inch, Add</i>	95.86	
<i>For 12 Fins Per Inch, Add</i>	239.66	
<i>For 230 PSIG Heavy Duty, Add</i>	1,634.41	
23 82 16 11-0073 SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	323.25	56.68
<i>For 10 Fins Per Inch, Add</i>	4.20	
<i>For 12 Fins Per Inch, Add</i>	10.49	
<i>For 230 PSIG Heavy Duty, Add</i>	75.99	
23 82 16 11-0074 2 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0075 EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,491.67	255.80
<i>For 10 Fins Per Inch, Add</i>	39.62	
<i>For 12 Fins Per Inch, Add</i>	99.05	
<i>For 230 PSIG Heavy Duty, Add</i>	549.39	
23 82 16 11-0076 EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,714.00	340.05
<i>For 10 Fins Per Inch, Add</i>	40.66	
<i>For 12 Fins Per Inch, Add</i>	101.66	
<i>For 230 PSIG Heavy Duty, Add</i>	610.88	
23 82 16 11-0077 EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,680.00	511.62
<i>For 10 Fins Per Inch, Add</i>	53.18	
<i>For 12 Fins Per Inch, Add</i>	132.94	
<i>For 230 PSIG Heavy Duty, Add</i>	838.12	
23 82 16 11-0078 EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,482.59	729.13
<i>For 10 Fins Per Inch, Add</i>	60.48	
<i>For 12 Fins Per Inch, Add</i>	151.19	
<i>For 230 PSIG Heavy Duty, Add</i>	1,042.40	
23 82 16 11-0079 EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,190.77	900.69
<i>For 10 Fins Per Inch, Add</i>	67.77	
<i>For 12 Fins Per Inch, Add</i>	169.43	
<i>For 230 PSIG Heavy Duty, Add</i>	1,218.36	
23 82 16 11-0080 EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,576.94	1,093.69
<i>For 10 Fins Per Inch, Add</i>	67.77	
<i>For 12 Fins Per Inch, Add</i>	169.43	
<i>For 230 PSIG Heavy Duty, Add</i>	1,334.21	
23 82 16 11-0081 EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,306.59	1,277.51
<i>For 10 Fins Per Inch, Add</i>	75.07	
<i>For 12 Fins Per Inch, Add</i>	187.68	
<i>For 230 PSIG Heavy Duty, Add</i>	1,516.62	
23 82 16 11-0082 EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,726.46	1,484.30
<i>For 10 Fins Per Inch, Add</i>	95.16	
<i>For 12 Fins Per Inch, Add</i>	237.89	
<i>For 230 PSIG Heavy Duty, Add</i>	1,842.15	
23 82 16 11-0083 EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,334.94	640.44
<i>For 10 Fins Per Inch, Add</i>	41.08	
<i>For 12 Fins Per Inch, Add</i>	102.71	
<i>For 230 PSIG Heavy Duty, Add</i>	795.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0084 EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,005.63	962.12
For 10 Fins Per Inch, Add	61.63	
For 12 Fins Per Inch, Add	154.06	
For 230 PSIG Heavy Duty, Add	1,193.56	
23 82 16 11-0085 EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,523.02	1,450.59
For 10 Fins Per Inch, Add	92.44	
For 12 Fins Per Inch, Add	231.10	
For 230 PSIG Heavy Duty, Add	1,794.71	
23 82 16 11-0086 EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	8,781.18	1,694.45
For 10 Fins Per Inch, Add	107.85	
For 12 Fins Per Inch, Add	269.61	
For 230 PSIG Heavy Duty, Add	2,095.13	
23 82 16 11-0087 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)		
Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0088 EA 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,019.58	194.54
23 82 16 11-0089 EA 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,561.77	193.01
23 82 16 11-0090 EA 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,130.15	206.79
23 82 16 11-0091 EA 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,630.67	225.17
23 82 16 11-0092 EA 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,651.46	235.89
23 82 16 11-0093 EA 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,404.14	248.15
23 82 16 11-0094 EA 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,571.29	278.79
23 82 16 11-0095 EA 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,056.57	312.48
23 82 16 11-0096 EA 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,699.90	373.75
23 82 16 11-0097 EA 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,207.42	392.14
23 82 16 11-0098 EA 22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	7,918.15	415.12
23 82 16 11-0099 EA 27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	10,101.62	568.29
23 82 16 11-0100 EA 34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	12,684.66	696.96
23 82 16 11-0101 EA 40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	14,742.82	729.13
23 82 16 11-0102 EA 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	17,315.98	850.14
23 82 16 12 Steam Air Coils (23 82 16)		
23 82 16 12-0001 Steam Heating Coils (23 82 16 12)		
Note: Flanged construction.		
23 82 16 12-0002 EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	2,353.44	143.99
For 2 Row Coil, Add	763.29	
For 4 Row Coil, Add	2,005.87	
23 82 16 12-0003 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	2,612.64	199.13
For 2 Row Coil, Add	863.36	
For 4 Row Coil, Add	2,261.19	
23 82 16 12-0004 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	3,444.03	356.91
For 2 Row Coil, Add	1,175.70	
For 4 Row Coil, Add	3,061.58	
23 82 16 12-0005 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,343.37	511.62
For 2 Row Coil, Add	1,507.25	
For 4 Row Coil, Add	3,913.81	
23 82 16 12-0006 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,842.90	612.71
For 2 Row Coil, Add	1,697.95	
For 4 Row Coil, Add	4,401.25	
23 82 16 12-0007 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	5,444.57	765.89
For 2 Row Coil, Add	1,939.73	
For 4 Row Coil, Add	5,014.32	
23 82 16 12-0008 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	5,983.90	850.14
For 2 Row Coil, Add	2,135.57	
For 4 Row Coil, Add	5,518.97	
23 82 16 12-0009 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	7,411.67	992.13
For 2 Row Coil, Add	2,620.34	
For 4 Row Coil, Add	6,782.53	
23 82 16 12-0010 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	3,200.02	428.29
For 2 Row Coil, Add	1,131.35	
For 4 Row Coil, Add	2,928.40	
23 82 16 12-0011 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,800.03	642.58
For 2 Row Coil, Add	1,697.02	
For 4 Row Coil, Add	4,392.60	
23 82 16 12-0012 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	7,196.78	962.12
For 2 Row Coil, Add	2,543.90	
For 4 Row Coil, Add	6,584.89	
23 82 16 12-0013 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	8,403.81	1,126.32
For 2 Row Coil, Add	2,971.67	
For 4 Row Coil, Add	7,691.67	
23 82 16 13 Refrigerant Air Coils (23 82 16)		
23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)		
Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0003 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,849.80	114.88
For 10 Fins Per Inch, Add	32.39	
For 12 Fins Per Inch, Add	80.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0004 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,554.74 64.78 161.95	157.78
23 82 16 13-0005 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,903.53 88.19 220.47	248.15
23 82 16 13-0006 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,923.58 104.22 260.56	356.91
23 82 16 13-0007 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,888.13 120.26 300.64	436.55
23 82 16 13-0008 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	7,710.60 133.08 332.71	528.47
23 82 16 13-0009 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	8,841.68 152.33 380.81	612.71
23 82 16 13-0010 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	11,082.86 193.08 482.70	714.42
23 82 16 13-0011 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,254.74 74.23 185.58	271.59
23 82 16 13-0012 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,507.68 91.65 229.13	462.45
23 82 16 13-0013 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,809.70 108.44 271.11	693.74
23 82 16 13-0014 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	7,456.37 116.81 292.03	807.86
 23 82 16 13-0015 4 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0016 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,068.99 55.00 137.49	159.30
23 82 16 13-0017 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,385.63 78.57 196.42	229.77
23 82 16 13-0018 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,977.01 104.22 260.56	382.95
23 82 16 13-0019 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	7,307.83 123.46 308.66	568.29
23 82 16 13-0020 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	8,447.59 141.10 352.75	696.96
23 82 16 13-0021 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	10,039.78 166.76 416.89	851.67
23 82 16 13-0022 EA 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	11,181.88 182.79 456.98	1,021.70
23 82 16 13-0023 EA 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	10,927.28 170.97 427.44	1,189.27
23 82 16 13-0024 EA 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,878.66 117.04 292.60	513.29
23 82 16 13-0025 EA 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	8,769.72 144.51 361.28	772.01
23 82 16 13-0026 EA 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	13,245.02 210.58 526.46	1,357.93
23 82 16 13-0027 EA 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	15,165.38 240.01 600.03	1,582.49
 23 82 16 13-0028 6 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0029 EA 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,930.63 70.55 176.38	200.66
23 82 16 13-0030 EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,529.07 78.57 196.42	300.23
23 82 16 13-0031 EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,553.00 110.64 276.59	511.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0032	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,346.33	765.89
			<i>For 10 Fins Per Inch, Add</i>	136.29	
			<i>For 12 Fins Per Inch, Add</i>	340.73	
23 82 16 13-0033	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,974.07	957.36
			<i>For 10 Fins Per Inch, Add</i>	181.19	
			<i>For 12 Fins Per Inch, Add</i>	452.97	
23 82 16 13-0034	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,458.14	1,177.94
			<i>For 10 Fins Per Inch, Add</i>	202.03	
			<i>For 12 Fins Per Inch, Add</i>	505.08	
23 82 16 13-0035	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,490.03	1,392.39
			<i>For 10 Fins Per Inch, Add</i>	234.10	
			<i>For 12 Fins Per Inch, Add</i>	585.25	
23 82 16 13-0036	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,766.89	1,622.62
			<i>For 10 Fins Per Inch, Add</i>	210.43	
			<i>For 12 Fins Per Inch, Add</i>	526.08	
23 82 16 13-0037	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,605.14	701.41
			<i>For 10 Fins Per Inch, Add</i>	144.05	
			<i>For 12 Fins Per Inch, Add</i>	360.12	
23 82 16 13-0038	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,997.06	1,052.03
			<i>For 10 Fins Per Inch, Add</i>	177.86	
			<i>For 12 Fins Per Inch, Add</i>	444.65	
23 82 16 13-0039	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,660.95	1,569.47
			<i>For 10 Fins Per Inch, Add</i>	210.44	
			<i>For 12 Fins Per Inch, Add</i>	526.10	
23 82 16 13-0040	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,016.34	1,841.05
			<i>For 10 Fins Per Inch, Add</i>	226.68	
			<i>For 12 Fins Per Inch, Add</i>	566.71	
23 82 16 13-0041			8 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0042	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,895.69	242.02
			<i>For 10 Fins Per Inch, Add</i>	88.19	
			<i>For 12 Fins Per Inch, Add</i>	220.47	
23 82 16 13-0043	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,878.16	373.75
			<i>For 10 Fins Per Inch, Add</i>	102.62	
			<i>For 12 Fins Per Inch, Add</i>	256.55	
23 82 16 13-0044	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,747.81	666.32
			<i>For 10 Fins Per Inch, Add</i>	148.32	
			<i>For 12 Fins Per Inch, Add</i>	370.79	
23 82 16 13-0045	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,582.73	1,021.70
			<i>For 10 Fins Per Inch, Add</i>	190.81	
			<i>For 12 Fins Per Inch, Add</i>	477.02	
23 82 16 13-0046	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,897.18	1,277.51
			<i>For 10 Fins Per Inch, Add</i>	226.88	
			<i>For 12 Fins Per Inch, Add</i>	567.21	
23 82 16 13-0047	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	16,131.45	1,531.78
			<i>For 10 Fins Per Inch, Add</i>	261.36	
			<i>For 12 Fins Per Inch, Add</i>	653.39	
23 82 16 13-0048	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	18,556.30	1,701.81
			<i>For 10 Fins Per Inch, Add</i>	303.05	
			<i>For 12 Fins Per Inch, Add</i>	757.62	
23 82 16 13-0049	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,784.66	1,974.01
			<i>For 10 Fins Per Inch, Add</i>	236.74	
			<i>For 12 Fins Per Inch, Add</i>	591.84	
23 82 16 13-0050	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,812.34	854.74
			<i>For 10 Fins Per Inch, Add</i>	162.06	
			<i>For 12 Fins Per Inch, Add</i>	405.14	
23 82 16 13-0051	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,574.70	1,285.01
			<i>For 10 Fins Per Inch, Add</i>	200.09	
			<i>For 12 Fins Per Inch, Add</i>	500.23	
23 82 16 13-0052	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,705.45	1,934.03
			<i>For 10 Fins Per Inch, Add</i>	236.75	
			<i>For 12 Fins Per Inch, Add</i>	591.87	
23 82 16 13-0053	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	17,256.29	2,252.63
			<i>For 10 Fins Per Inch, Add</i>	255.02	
			<i>For 12 Fins Per Inch, Add</i>	637.55	
23 82 16 14			Electric-Resistance Air Coils <small>(23 82 16)</small>		
23 82 16 14-0001			Standard Electric Slip-In Blast Coil Heater <small>(23 82 16 14)</small>		
23 82 16 14-0002			Electric Slip-In Blast Coil Heater With Open Coil Element <small>(23 82 16 14-0001)</small>		
23 82 16 14-0003	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	625.46	108.89
23 82 16 14-0004	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	643.59	117.38
23 82 16 14-0005	EA		2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	665.01	128.68
23 82 16 14-0006	EA		3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	672.22	132.93
23 82 16 14-0007	EA		4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	690.73	141.41
23 82 16 14-0008	EA		5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	712.02	152.73
23 82 16 14-0009	EA		6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	819.42	171.11
23 82 16 14-0010	EA		7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	836.67	179.59
23 82 16 14-0011	EA		8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	850.81	185.25
23 82 16 14-0012	EA		9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	871.48	196.57
23 82 16 14-0013	EA		10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	952.86	207.88
23 82 16 14-0014	EA		12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	993.11	227.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0015 EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,033.12	247.48
23 82 16 14-0016 EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,074.73	267.27
23 82 16 14-0017 EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,464.70	373.34
23 82 16 14-0018 EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,595.47	397.37
23 82 16 14-0019 EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,854.19	455.35
23 82 16 14-0020 EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,369.95	504.85
23 82 16 14-0021 EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,537.30	548.69
23 82 16 14-0022 EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,875.85	602.43
23 82 16 14-0023 EA 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,754.57	643.43
23 82 16 14-0024 EA 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,222.22	691.52
23 82 16 14-0025 EA 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	6,334.10	746.67
23 82 16 14-0026 EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	7,131.72	811.72
23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element <small>(23 82 16 14-0001)</small>		
23 82 16 14-0028 EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,027.80	155.56
23 82 16 14-0029 EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,060.92	169.70
23 82 16 14-0030 EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,072.81	169.70
23 82 16 14-0031 EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,160.29	186.66
23 82 16 14-0032 EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,210.19	186.66
23 82 16 14-0033 EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,236.75	186.66
23 82 16 14-0034 EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,300.98	207.88
23 82 16 14-0035 EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,360.61	233.34
23 82 16 14-0036 EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,387.17	233.34
23 82 16 14-0037 EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,562.64	267.27
23 82 16 14-0038 EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,987.12	267.27
23 82 16 14-0039 EA 25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,111.71	289.90
23 82 16 14-0040 EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,479.68	311.11
23 82 16 14-0041 EA 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,936.48	311.11
23 82 16 14-0042 EA 45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,202.56	325.25
23 82 16 14-0043 EA 50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,360.94	325.25
23 82 19 Fan Coil Units <small>(23 82)</small>		
23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units <small>(23 82 19)</small>		
<small>Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.</small>		
23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0001)</small>		
23 82 19 00-0003 EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,139.62	248.15
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.71	
23 82 19 00-0004 EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,438.16	289.51
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.90	
23 82 19 00-0005 EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,883.99	326.27
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.59	
23 82 19 00-0006 EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,314.20	373.75
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-72.36	
23 82 19 00-0007 EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,724.53	392.14
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.91	
23 82 19 00-0008 EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,734.27	415.12
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-127.10	
23 82 19 00-0009 EA 1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,551.38	450.34
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-132.58	
23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0001)</small>		
23 82 19 00-0011 EA 200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,054.68	248.15
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.71	
23 82 19 00-0012 EA 300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,445.85	289.51
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.90	
23 82 19 00-0013 EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,236.60	326.27
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.59	
23 82 19 00-0014 EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,596.87	373.75
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-72.36	
23 82 19 00-0015 EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,900.07	393.67
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.91	
23 82 19 00-0016 EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,460.99	415.12
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-127.10	
23 82 19 00-0017 EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	7,558.54	450.34
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-132.58	
23 82 19 00-0018 EA 1,400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	8,051.93	467.19
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-135.08	
23 82 19 00-0019 EA 1,600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	8,968.35	486.34
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-137.95	
23 82 19 00-0020 EA 1,800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	9,637.01	505.49
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-140.82	
23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units <small>(23 82 19)</small>		
<small>Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0022			Vertical Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0021)</small>		
23 82 19 00-0023	EA		200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,068.08	246.61
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-260.80	
			<i>For Thru-Wall Sleeve, Add</i>	153.82	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.71	
23 82 19 00-0024	EA		300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,366.62	289.51
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-297.19	
			<i>For Thru-Wall Sleeve, Add</i>	170.61	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.90	
23 82 19 00-0025	EA		400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,798.13	326.27
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-354.54	
			<i>For Thru-Wall Sleeve, Add</i>	185.36	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.59	
23 82 19 00-0026	EA		600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,215.46	373.75
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-407.60	
			<i>For Thru-Wall Sleeve, Add</i>	204.44	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-72.36	
23 82 19 00-0027	EA		800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,611.50	393.67
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-463.17	
			<i>For Thru-Wall Sleeve, Add</i>	212.11	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.91	
23 82 19 00-0028	EA		1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,584.03	415.12
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-604.81	
			<i>For Thru-Wall Sleeve, Add</i>	220.60	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-127.10	
23 82 19 00-0029	EA		1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,372.52	450.34
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-715.77	
			<i>For Thru-Wall Sleeve, Add</i>	235.21	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-132.58	
23 82 19 00-0030			Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0021)</small>		
23 82 19 00-0031	EA		200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,943.25	246.61
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-392.08	
			<i>For Thru-Wall Sleeve, Add</i>	153.82	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.71	
23 82 19 00-0032	EA		300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,321.05	289.51
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-440.35	
			<i>For Thru-Wall Sleeve, Add</i>	170.61	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.90	
23 82 19 00-0033	EA		400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,080.60	326.27
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-546.91	
			<i>For Thru-Wall Sleeve, Add</i>	185.36	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.59	
23 82 19 00-0034	EA		600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,665.82	373.75
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-625.15	
			<i>For Thru-Wall Sleeve, Add</i>	204.44	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-72.36	
23 82 19 00-0035	EA		800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,193.96	393.67
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-700.54	
			<i>For Thru-Wall Sleeve, Add</i>	212.11	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.91	
23 82 19 00-0036	EA		1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,216.08	415.12
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-849.61	
			<i>For Thru-Wall Sleeve, Add</i>	220.60	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-127.10	
23 82 19 00-0037	EA		1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,268.79	450.34
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,000.21	
			<i>For Thru-Wall Sleeve, Add</i>	235.21	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-132.58	
23 82 19 00-0038	EA		1,400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,950.64	467.19
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,099.16	
			<i>For Thru-Wall Sleeve, Add</i>	241.88	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-135.08	
23 82 19 00-0039	EA		1,600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	8,765.76	486.34
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,217.60	
			<i>For Thru-Wall Sleeve, Add</i>	249.54	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-137.95	
23 82 19 00-0040	EA		1,800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,341.66	486.34
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,300.15	
			<i>For Thru-Wall Sleeve, Add</i>	257.19	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-140.82	
23 82 19 00-0041			Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
			Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0042	EA		Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	651.27	
23 82 29			Radiators <small>(23 82)</small>		
23 82 29 00-0001			Demolish Cast Iron Radiators <small>(23 82 29)</small>		
23 82 29 00-0002	LF		Demolish Cast Iron Radiator.....	45.94	
23 82 29 00-0003	EA		Cap Radiator.....	65.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0004				Cast Iron Radiator <small>(23 82 29)</small>		
23 82 29 00-0005	EA			19" High Cast Iron Radiator Section, Free Standing.....	73.87	
				<i>For Wall Support Bracket, Add</i>	32.88	
23 82 29 00-0006	EA			25" High Cast Iron Radiator Section, Free Standing.....	105.42	
				<i>For Wall Support Bracket, Add</i>	34.88	
23 82 29 00-0007	EA			30" High Cast Iron Radiator Section, Free Standing.....	122.89	
23 82 29 00-0008	EA			36" High Cast Iron Radiator Section, Free Standing.....	155.19	
23 82 29 00-0009	EA			20" High Cast Iron Radiator Section, Recessed With Grille.....	102.04	
23 82 29 00-0010				Radiator Covers <small>(23 82 29)</small>		
				Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF			14 Gauge Stainless Steel Radiator Cover	134.96	7.68
23 82 29 00-0012	SF			Primed And Painted, Galvanized Steel Radiator Cover	85.13	7.68
23 82 29 00-0013				Radiator Shields <small>(23 82 29)</small>		
23 82 29 00-0014	SF			Stainless Steel Radiator Shield.....	71.07	7.68
23 82 29 00-0015	SF			Primed And Painted, Galvanized Steel Radiator Shield	50.81	7.68
23 82 29 00-0016				Removal And Reinstallation Of Radiator <small>(23 82 29)</small>		
				Note: Includes storage and cleaning.		
23 82 29 00-0017	LF			Removal And Reinstallation Of Cast Iron Radiator.....	114.88	
23 82 29 00-0018	LF			Removal And Reinstallation Of Electric Radiator.....	76.59	
23 82 33				Convectors <small>(23 82)</small>		
23 82 33 00-0001				Multi-Fin Convectors For Two-Pipe System <small>(23 82 33)</small>		
				Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002				20" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0003	EA			20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	637.89	168.49
				<i>For Knob Operated Damper, Add</i>	15.00	
				<i>For Metal Trim Strips, Add</i>	82.59	
				<i>For Snap-On Inlet Grille, Add</i>	61.06	
				<i>For Access Doors Hinged, Add</i>	15.00	
				<i>For Air Chamber, Auto-vent, Add</i>	18.00	
				<i>For 3 Tubes System, Add</i>	133.91	
23 82 33 00-0004	EA			20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	746.12	183.82
				<i>For Knob Operated Damper, Add</i>	15.00	
				<i>For Metal Trim Strips, Add</i>	89.55	
				<i>For Snap-On Inlet Grille, Add</i>	65.70	
				<i>For Access Doors Hinged, Add</i>	15.00	
				<i>For Air Chamber, Auto-vent, Add</i>	18.00	
				<i>For 3 Tubes System, Add</i>	163.66	
23 82 33 00-0005	EA			20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	860.66	217.51
				<i>For Knob Operated Damper, Add</i>	15.00	
				<i>For Metal Trim Strips, Add</i>	104.78	
				<i>For Snap-On Inlet Grille, Add</i>	75.86	
				<i>For Access Doors Hinged, Add</i>	15.00	
				<i>For Air Chamber, Auto-vent, Add</i>	18.00	
				<i>For 3 Tubes System, Add</i>	185.98	
23 82 33 00-0006	EA			20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,027.76	252.75
				<i>For Knob Operated Damper, Add</i>	15.00	
				<i>For Metal Trim Strips, Add</i>	120.87	
				<i>For Snap-On Inlet Grille, Add</i>	86.58	
				<i>For Access Doors Hinged, Add</i>	15.00	
				<i>For Air Chamber, Auto-vent, Add</i>	18.00	
				<i>For 3 Tubes System, Add</i>	225.70	
23 82 33 00-0007	EA			20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,226.29	303.29
				<i>For Knob Operated Damper, Add</i>	15.00	
				<i>For Metal Trim Strips, Add</i>	143.83	
				<i>For Snap-On Inlet Grille, Add</i>	101.89	
				<i>For Access Doors Hinged, Add</i>	15.00	
				<i>For Air Chamber, Auto-vent, Add</i>	18.00	
				<i>For 3 Tubes System, Add</i>	268.40	
23 82 33 00-0008	EA			20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,376.76	333.62
				<i>For Knob Operated Damper, Add</i>	15.00	
				<i>For Metal Trim Strips, Add</i>	157.60	
				<i>For Snap-On Inlet Grille, Add</i>	111.07	
				<i>For Access Doors Hinged, Add</i>	15.00	
				<i>For Air Chamber, Auto-vent, Add</i>	18.00	
				<i>For 3 Tubes System, Add</i>	305.00	
23 82 33 00-0009	EA			20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,605.94	404.39
				<i>For Knob Operated Damper, Add</i>	15.00	
				<i>For Metal Trim Strips, Add</i>	189.76	
				<i>For Snap-On Inlet Grille, Add</i>	132.50	
				<i>For Access Doors Hinged, Add</i>	15.00	
				<i>For Air Chamber, Auto-vent, Add</i>	18.00	
				<i>For 3 Tubes System, Add</i>	347.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0010 EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,748.82	429.67
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	201.25	
For Snap-On Inlet Grille, Add	140.17	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	384.30	
23 82 33 00-0011 EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,912.48	480.21
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	224.20	
For Snap-On Inlet Grille, Add	155.47	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	414.80	
23 82 33 00-0012 EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,111.14	530.76
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	247.20	
For Snap-On Inlet Grille, Add	170.80	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	457.50	
23 82 33 00-0013 EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,274.82	581.31
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	270.16	
For Snap-On Inlet Grille, Add	186.11	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	488.00	
23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0015 EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	757.52	221.65
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	105.72	
For Snap-On Inlet Grille, Add	76.48	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	148.79	
23 82 33 00-0016 EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	888.44	257.49
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	121.81	
For Snap-On Inlet Grille, Add	87.21	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	175.84	
23 82 33 00-0017 EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,071.53	302.38
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	141.96	
For Snap-On Inlet Grille, Add	100.64	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	216.42	
23 82 33 00-0018 EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,249.72	337.15
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	157.56	
For Snap-On Inlet Grille, Add	111.04	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	260.58	
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,453.55	379.12
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	176.45	
For Snap-On Inlet Grille, Add	123.63	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	309.88	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,621.78	410.67
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	190.70	
For Snap-On Inlet Grille, Add	133.13	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	352.14	
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,849.62	467.96
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	216.80	
For Snap-On Inlet Grille, Add	150.53	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	401.44	
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,012.73	496.60
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	229.51	
For Snap-On Inlet Grille, Add	159.01	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	443.70	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating and Cooling Units	23 82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,179.64	541.49
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	249.40	
For Snap-On Inlet Grille, Add	172.27	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	478.91	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,387.48	585.45
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	269.50	
For Snap-On Inlet Grille, Add	185.66	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	528.21	
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,548.36	625.73
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	287.58	
For Snap-On Inlet Grille, Add	197.72	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	563.42	
23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	875.87	269.60
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	128.48	
For Snap-On Inlet Grille, Add	91.65	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	163.66	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,046.75	326.27
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	154.24	
For Snap-On Inlet Grille, Add	108.82	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	193.42	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,257.76	381.41
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	179.28	
For Snap-On Inlet Grille, Add	125.52	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	238.06	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,446.94	414.50
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	194.39	
For Snap-On Inlet Grille, Add	135.60	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	286.64	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,651.92	447.90
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	209.41	
For Snap-On Inlet Grille, Add	145.60	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	340.87	
23 82 33 00-0032 EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,834.05	480.21
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	224.20	
For Snap-On Inlet Grille, Add	155.47	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	387.35	
23 82 33 00-0033 EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,050.58	520.66
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	242.68	
For Snap-On Inlet Grille, Add	167.79	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	441.58	
23 82 33 00-0034 EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,234.25	554.05
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	257.94	
For Snap-On Inlet Grille, Add	177.96	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	488.06	
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,400.06	591.42
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	274.48	
For Snap-On Inlet Grille, Add	188.99	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	526.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0036 EA 32" High x 18" Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,610.06	626.81
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	291.00	
For Snap-On Inlet Grille, Add	200.00	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	581.02	
23 82 33 00-0037 EA 32" High x 20" Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,765.91	657.13
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	304.55	
For Snap-On Inlet Grille, Add	209.04	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	619.76	
23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)		
23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	639.21	151.87
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	701.05	151.87
23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	729.59	151.87
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	824.73	151.87
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	907.98	151.87
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,038.80	151.87
23 82 36 Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001 Electric Baseboard Heating (23 82 36)		
Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	170.17	84.37
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	173.02	84.37
23 82 36 00-0005 Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	198.71	84.37
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	205.84	84.37
23 82 36 00-0008 Finned Tube Baseboard Units (23 82 36)		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	437.79	59.74
For 90 Degree Corner, Add	67.80	
For Valve Enclosure, Add	67.80	
For Filler Piece, Add	60.80	
For End Cap, Add	45.57	
For Copper Tube With Aluminum Fins, Add	8.18	
23 82 36 00-0011 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	571.30	90.38
For 90 Degree Corner, Add	79.63	
For Valve Enclosure, Add	79.63	
For Filler Piece, Add	72.63	
For End Cap, Add	53.26	
For Copper Tube With Aluminum Fins, Add	12.27	
23 82 36 00-0012 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	680.51	119.48
For 90 Degree Corner, Add	86.59	
For Valve Enclosure, Add	86.59	
For Filler Piece, Add	79.59	
For End Cap, Add	57.78	
For Copper Tube With Aluminum Fins, Add	16.37	
23 82 36 00-0013 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	847.90	167.27
For 90 Degree Corner, Add	105.58	
For Valve Enclosure, Add	105.58	
For Filler Piece, Add	98.58	
For End Cap, Add	70.13	
For Copper Tube With Aluminum Fins, Add	20.35	
23 82 36 00-0014 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,014.86	200.97
For 90 Degree Corner, Add	124.88	
For Valve Enclosure, Add	124.88	
For Filler Piece, Add	117.88	
For End Cap, Add	82.67	
For Copper Tube With Aluminum Fins, Add	24.23	
23 82 36 00-0015 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,141.28	214.45
For 90 Degree Corner, Add	132.54	
For Valve Enclosure, Add	132.54	
For Filler Piece, Add	125.54	
For End Cap, Add	87.65	
For Copper Tube With Aluminum Fins, Add	29.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0016 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,258.49	236.97
<i>For 90 Degree Corner, Add</i>	145.41	
<i>For Valve Enclosure, Add</i>	145.41	
<i>For Filler Piece, Add</i>	138.41	
<i>For End Cap, Add</i>	96.02	
<i>For Copper Tube With Aluminum Fins, Add</i>	31.98	
23 82 36 00-0017 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,435.41	268.06
<i>For 90 Degree Corner, Add</i>	163.18	
<i>For Valve Enclosure, Add</i>	163.18	
<i>For Filler Piece, Add</i>	156.18	
<i>For End Cap, Add</i>	107.57	
<i>For Copper Tube With Aluminum Fins, Add</i>	36.82	
23 82 36 00-0018 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,582.56	294.87
<i>For 90 Degree Corner, Add</i>	178.51	
<i>For Valve Enclosure, Add</i>	178.51	
<i>For Filler Piece, Add</i>	171.51	
<i>For End Cap, Add</i>	117.53	
<i>For Copper Tube With Aluminum Fins, Add</i>	40.70	
23 82 36 00-0019 1" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0020 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	501.56	59.74
<i>For 90 Degree Corner, Add</i>	67.80	
<i>For Valve Enclosure, Add</i>	67.80	
<i>For Filler Piece, Add</i>	60.80	
<i>For End Cap, Add</i>	45.57	
<i>For Copper Tube With Aluminum Fins, Add</i>	11.69	
23 82 36 00-0021 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	666.96	90.38
<i>For 90 Degree Corner, Add</i>	79.63	
<i>For Valve Enclosure, Add</i>	79.63	
<i>For Filler Piece, Add</i>	72.63	
<i>For End Cap, Add</i>	53.26	
<i>For Copper Tube With Aluminum Fins, Add</i>	17.54	
23 82 36 00-0022 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	808.05	119.48
<i>For 90 Degree Corner, Add</i>	86.59	
<i>For Valve Enclosure, Add</i>	86.59	
<i>For Filler Piece, Add</i>	79.59	
<i>For End Cap, Add</i>	57.78	
<i>For Copper Tube With Aluminum Fins, Add</i>	23.38	
23 82 36 00-0023 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,006.66	167.27
<i>For 90 Degree Corner, Add</i>	105.62	
<i>For Valve Enclosure, Add</i>	105.62	
<i>For Filler Piece, Add</i>	98.62	
<i>For End Cap, Add</i>	70.15	
<i>For Copper Tube With Aluminum Fins, Add</i>	29.07	
23 82 36 00-0024 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,203.39	200.97
<i>For 90 Degree Corner, Add</i>	124.83	
<i>For Valve Enclosure, Add</i>	124.83	
<i>For Filler Piece, Add</i>	117.83	
<i>For End Cap, Add</i>	82.64	
<i>For Copper Tube With Aluminum Fins, Add</i>	34.61	
23 82 36 00-0025 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,367.82	214.45
<i>For 90 Degree Corner, Add</i>	132.54	
<i>For Valve Enclosure, Add</i>	132.54	
<i>For Filler Piece, Add</i>	125.54	
<i>For End Cap, Add</i>	87.65	
<i>For Copper Tube With Aluminum Fins, Add</i>	41.53	
23 82 36 00-0026 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,507.20	236.97
<i>For 90 Degree Corner, Add</i>	145.32	
<i>For Valve Enclosure, Add</i>	145.32	
<i>For Filler Piece, Add</i>	138.32	
<i>For End Cap, Add</i>	95.96	
<i>For Copper Tube With Aluminum Fins, Add</i>	45.68	
23 82 36 00-0027 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,722.37	268.06
<i>For 90 Degree Corner, Add</i>	163.18	
<i>For Valve Enclosure, Add</i>	163.18	
<i>For Filler Piece, Add</i>	156.18	
<i>For End Cap, Add</i>	107.57	
<i>For Copper Tube With Aluminum Fins, Add</i>	52.61	
23 82 36 00-0028 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,898.80	294.87
<i>For 90 Degree Corner, Add</i>	178.33	
<i>For Valve Enclosure, Add</i>	178.33	
<i>For Filler Piece, Add</i>	171.33	
<i>For End Cap, Add</i>	117.41	
<i>For Copper Tube With Aluminum Fins, Add</i>	58.14	
23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	565.33	59.74
<i>For 90 Degree Corner, Add</i>	67.80	
<i>For Valve Enclosure, Add</i>	67.80	
<i>For Filler Piece, Add</i>	60.80	
<i>For End Cap, Add</i>	45.57	
<i>For Copper Tube With Aluminum Fins, Add</i>	15.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0031	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	762.60	90.38
			<i>For 90 Degree Corner, Add</i>	79.63	
			<i>For Valve Enclosure, Add</i>	79.63	
			<i>For Filler Piece, Add</i>	72.63	
			<i>For End Cap, Add</i>	53.26	
			<i>For Copper Tube With Aluminum Fins, Add</i>	22.80	
23 82 36 00-0032	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	935.58	119.48
			<i>For 90 Degree Corner, Add</i>	86.59	
			<i>For Valve Enclosure, Add</i>	86.59	
			<i>For Filler Piece, Add</i>	79.59	
			<i>For End Cap, Add</i>	57.78	
			<i>For Copper Tube With Aluminum Fins, Add</i>	30.39	
23 82 36 00-0033	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,165.23	167.27
			<i>For 90 Degree Corner, Add</i>	105.62	
			<i>For Valve Enclosure, Add</i>	105.62	
			<i>For Filler Piece, Add</i>	98.62	
			<i>For End Cap, Add</i>	70.15	
			<i>For Copper Tube With Aluminum Fins, Add</i>	37.79	
23 82 36 00-0034	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,392.17	200.97
			<i>For 90 Degree Corner, Add</i>	124.83	
			<i>For Valve Enclosure, Add</i>	124.83	
			<i>For Filler Piece, Add</i>	117.83	
			<i>For End Cap, Add</i>	82.64	
			<i>For Copper Tube With Aluminum Fins, Add</i>	44.99	
23 82 36 00-0035	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,594.36	214.45
			<i>For 90 Degree Corner, Add</i>	132.54	
			<i>For Valve Enclosure, Add</i>	132.54	
			<i>For Filler Piece, Add</i>	125.54	
			<i>For End Cap, Add</i>	87.65	
			<i>For Copper Tube With Aluminum Fins, Add</i>	53.99	
23 82 36 00-0036	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,756.39	236.97
			<i>For 90 Degree Corner, Add</i>	145.32	
			<i>For Valve Enclosure, Add</i>	145.32	
			<i>For Filler Piece, Add</i>	138.32	
			<i>For End Cap, Add</i>	95.96	
			<i>For Copper Tube With Aluminum Fins, Add</i>	59.39	
23 82 36 00-0037	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	2,009.31	268.06
			<i>For 90 Degree Corner, Add</i>	163.18	
			<i>For Valve Enclosure, Add</i>	163.18	
			<i>For Filler Piece, Add</i>	156.18	
			<i>For End Cap, Add</i>	107.57	
			<i>For Copper Tube With Aluminum Fins, Add</i>	68.39	
23 82 36 00-0038	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	2,215.95	294.87
			<i>For 90 Degree Corner, Add</i>	178.33	
			<i>For Valve Enclosure, Add</i>	178.33	
			<i>For Filler Piece, Add</i>	171.33	
			<i>For End Cap, Add</i>	117.41	
			<i>For Copper Tube With Aluminum Fins, Add</i>	75.59	

23 82 39 Unit Heaters (23 82)

23 82 39 13 Cabinet Unit Heaters (23 82 39)

23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0003	EA		2 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,983.34	191.75
			Note: Wall or floor mounted.		
23 82 39 13-0004	EA		3 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,006.15	191.75
			Note: Wall or floor mounted.		
23 82 39 13-0005	EA		4 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,028.97	191.75
			Note: Wall or floor mounted.		
23 82 39 13-0006	EA		5 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,051.77	191.75
			Note: Wall or floor mounted.		
23 82 39 13-0007	EA		6 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,074.59	191.75
			Note: Wall or floor mounted.		
23 82 39 13-0008	EA		7 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,097.41	191.75
			Note: Wall or floor mounted.		
23 82 39 13-0009	EA		8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,121.13	191.75
23 82 39 13-0010	EA		For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	256.18	127.32

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0012	EA		4 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,183.22	230.10
			Note: Wall or floor mounted.		
23 82 39 13-0013	EA		6 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,228.86	230.10
			Note: Wall or floor mounted.		
23 82 39 13-0014	EA		8 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,274.48	230.10
			Note: Wall or floor mounted.		
23 82 39 13-0015	EA		10 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,320.12	230.10
			Note: Wall or floor mounted.		
23 82 39 13-0016	EA		12 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,365.73	230.10
			Note: Wall or floor mounted.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,411.37	230.10
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,456.99	230.10
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add	306.80	153.40
23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,005.53	306.80
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,051.15	306.80
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,096.78	306.80
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,142.40	306.80
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,188.04	306.80
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,233.65	306.80
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add	383.50	191.75
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,736.59	383.50
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,805.02	383.50
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,873.46	383.50
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,941.89	383.50
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,010.35	383.50
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,078.79	383.50
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,147.22	383.50
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add	512.36	256.18
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,558.87	460.20
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,650.13	460.20
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,741.38	460.20
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,832.63	460.20
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,923.89	460.20
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,015.14	460.20
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,106.40	460.20
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add	613.60	306.80
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters <small>(23 82 39 13)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	421.24	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	727.62	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	868.52	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	1,174.87	
23 82 39 16 Propeller Unit Heaters <small>(23 82 39)</small>		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water <small>(23 82 39 16)</small>		
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt <small>(23 82 39 16-0001)</small>		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,051.32	153.18
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,053.35	153.18
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,170.16	153.18
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,444.90	229.77
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,504.65	229.77
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,593.64	229.77
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,921.99	306.36
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,101.26	306.36
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,215.35	306.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,307.71	306.36
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,615.72	382.95
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,646.97	382.95
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,676.85	382.95
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,866.62	459.53
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,100.22	459.53
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,540.18	536.12
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,386.31	536.12
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,677.89	612.71
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,547.12	612.71
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	283.69	38.29
Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,525.04	153.18
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,589.55	229.77
23 82 39 16-0026 EA 80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,707.04	229.77
23 82 39 16-0027 EA 101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,105.35	306.36
23 82 39 16-0028 EA 124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,220.78	306.36
23 82 39 16-0029 EA 152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,657.46	459.53
23 82 39 16-0030 EA 173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,834.02	459.53
23 82 39 16-0031 EA 210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,982.07	459.53
23 82 39 16-0032 EA 249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,337.80	536.12
23 82 39 16-0033 EA 283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,513.02	536.12
23 82 39 16-0034 EA 333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,867.48	536.12
23 82 39 16-0035 EA 386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,496.96	689.30
23 82 39 16-0036 EA 496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,675.85	689.30
23 82 39 16-0037 EA 585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	6,037.12	689.30
23 82 39 16-0038 EA 705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	6,866.67	765.89
23 82 39 16-0039 EA Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	384.19	38.29
Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041 EA Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	919.07	
23 82 39 16-0042 EA Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	1,225.42	
23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)		
23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)		
Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002 EA 3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	915.80	153.40
23 82 39 19-0003 EA 5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	915.80	153.40
23 82 39 19-0004 EA 7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,221.76	191.75
23 82 39 19-0005 EA 10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,406.12	230.10
23 82 39 19-0006 EA 15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,038.00	306.80
23 82 39 19-0007 EA 20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	2,938.59	383.50
23 82 39 19-0008 EA 30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,023.19	460.20
23 82 39 19-0009 EA 50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	5,816.41	536.90
23 82 39 19-0010 EA 3 KW, 350 CFM Electric Unit Heater - 480 Volt.....	1,113.78	153.40
23 82 39 19-0011 EA 5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,075.13	153.40
23 82 39 19-0012 EA 7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,278.35	191.75
23 82 39 19-0013 EA 10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,479.73	230.10
23 82 39 19-0014 EA 15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,185.23	306.80
23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)		
Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016 EA 1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	451.98	95.88
23 82 39 19-0017 EA 1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	527.15	107.38
23 82 39 19-0018 EA 3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	803.15	107.38
23 82 39 19-0019 EA 1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	508.67	95.88
23 82 39 19-0020 EA 1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	616.61	107.38
23 82 39 19-0021 EA 3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	908.23	107.38
23 82 39 19-0022 EA 1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	669.15	126.55
23 82 39 19-0023 EA 3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,211.57	134.23
23 82 39 19-0024 EA 4,800/3,600 Watt Recessed Electric Ceiling Heater	1,357.43	134.23
23 82 39 19-0025 EA 4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,570.78	141.90
23 82 39 19-0026 EA 5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,698.85	141.90
23 82 39 19-0027 EA 1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	744.91	126.55
23 82 39 19-0028 EA 3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,330.91	134.23
23 82 39 19-0029 EA 4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,476.77	134.23
23 82 39 19-0030 EA Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB).....	692.97	95.88



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating and Cooling Units	23 82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

23 82 39 19-0031	Removal And Reinstallation Of Electric Unit Heaters <small>(23 82 39 19)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0032	EA Removal And Reinstallation Of Up To 15KW Electric Unit Heater	551.47	
23 82 39 19-0033	EA Removal And Reinstallation Of >15 KW Electric Unit Heater	1,133.65	

23 83 Radiant Heating Units (23 80)

23 83 13 Radiant-Heating Electric Cables (23 83)

23 83 13 13 Radiant-Heating Electric Cables (23 83 13)

23 83 13 13-0001	Self Regulating Heating Cable <small>(23 83 13 13)</small>		
23 83 13 13-0002	LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.56	1.07
23 83 13 13-0003	LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.17	1.07
23 83 13 13-0004	LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.59	1.07
23 83 13 13-0005	LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.56	1.07
23 83 13 13-0006	LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.20	1.07
23 83 13 13-0007	LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.80	1.07
23 83 13 13-0008	LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.79	1.07
23 83 13 13-0009	LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.07	1.07
23 83 13 13-0010	LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.35	1.07
23 83 13 13-0011	LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.79	1.07
23 83 13 13-0012	LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.07	1.07
23 83 13 13-0013	LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.35	1.07
23 83 13 13-0014	LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	14.59	1.07
23 83 13 13-0015	LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.15	1.07
23 83 13 13-0016	LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.43	1.07
23 83 13 13-0017	LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.59	1.07
23 83 13 13-0018	LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.15	1.07
23 83 13 13-0019	LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.43	1.07
23 83 13 13-0020	EA Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	359.09	84.71
23 83 13 13-0021	EA Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	359.09	84.71
23 83 13 13-0022	EA End Seal Kit For Self Regulating Low Temperature Heating Cable	220.47	15.41
23 83 13 13-0023	EA Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	596.37	38.51
23 83 13 13-0024	EA Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	655.37	38.51

23 84 Humidity Control Equipment (23 80)

23 84 13 Humidifiers (23 84)

23 84 13 16 Wetted-Element Humidifiers (23 84 13)

23 84 13 16-0001	Electric Steam Humidifiers, Self-Steam Producing <small>(23 84 13 16)</small> Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.		
23 84 13 16-0002	EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,150.02	631.09
23 84 13 16-0003	EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	16,620.44	632.63

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 84 Humidity Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0001 Steam Type Pneumatically Controlled <small>(23 84 13 23)</small> Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 23-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,218.72	404.39
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	686.04	
23 84 13 23-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,218.72	404.39
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	686.04	
23 84 13 23-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,131.80	404.39
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	959.96	
23 84 13 23-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,284.98	505.49
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,011.02	
23 84 13 23-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,633.14	404.39
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,410.37	
23 84 13 23-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,786.32	505.49
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,461.43	
23 84 13 23-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,132.18	505.49
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	2,165.18	
23 84 13 23-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,323.65	632.63
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	2,229.01	
23 84 13 29 Self-Contained Steam Humidifiers <small>(23 84 13)</small>		
23 84 13 29-0001 Residential Humidifiers <small>(23 84 13 29)</small> Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002 EA Duct Or Furnace Mounted Humidifier, Residential Type	667.26	76.59
23 84 16 Mechanical Dehumidification Units <small>(23 84)</small>		
23 84 16 16 Indoor, Mechanical Dehumidification Units <small>(23 84 16)</small>		
23 84 16 16-0001 Mechanical Dehumidification Units <small>(23 84 16 16)</small> Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,344.98	76.70
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"6" Duct Connection, Refrigerant Dehumidifier	2,947.03	89.47
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"6" Duct Connection, Refrigerant Dehumidifier	3,942.03	102.27
23 84 16 33 Portable Dehumidifiers <small>(23 84 16)</small>		
23 84 16 33-0001 Self Contained Free Standing Unit <small>(23 84 16 33)</small> Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002 EA 30 Pint/24 Hour Dehumidifier	569.22	165.88
23 84 16 33-0003 EA 50 Pint/24 Hour Dehumidifier	675.75	165.88
23 84 16 33-0004 EA 70 Pint/24 Hour Dehumidifier	739.66	165.88

END OF SECTION 23



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001 Retrofit Distribution Enclosures ^(26 01 10 91)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2"	Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	562.22	
			Note: 2mm thick, aluminum frame, hinged cover.		
			<i>For Up To 20, Add</i>	116.97	
			<i>For >20 To 50, Add</i>	93.58	
			<i>For >50 To 100, Add</i>	46.79	
26 01 10 91-0003	EA	3"	Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	729.93	
			Note: 2mm thick, aluminum frame, hinged cover.		
			<i>For Up To 20, Add</i>	158.90	
			<i>For >20 To 50, Add</i>	127.12	
			<i>For >50 To 100, Add</i>	63.56	
26 01 10 91-0004	EA	4"	Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	1,098.88	
			Note: 4mm thick, aluminum frame, hinged cover.		
			<i>For Up To 20, Add</i>	251.14	
			<i>For >20 To 50, Add</i>	200.91	
			<i>For >50 To 100, Add</i>	100.46	
26 01 10 91-0005	EA	3"	Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	557.44	
			Note: 2mm thick, aluminum frame, twist cover.		
			<i>For Up To 20, Add</i>	115.78	
			<i>For >20 To 50, Add</i>	92.62	
			<i>For >50 To 100, Add</i>	46.31	
26 01 10 91-0006	EA	2"	Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	560.39	
			Note: 2mm thick, aluminum frame, twist cover.		
			<i>For Up To 20, Add</i>	116.52	
			<i>For >20 To 50, Add</i>	93.21	
			<i>For >50 To 100, Add</i>	46.61	
26 01 10 91-0007	EA	3"	Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	716.27	
			Note: 2mm thick, aluminum frame, twist cover.		
			<i>For Up To 20, Add</i>	155.49	
			<i>For >20 To 50, Add</i>	124.39	
			<i>For >50 To 100, Add</i>	62.19	
26 01 10 91-0008	EA	4"	Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	1,068.55	
			Note: 4mm thick, aluminum frame, twist cover.		
			<i>For Up To 20, Add</i>	243.56	
			<i>For >20 To 50, Add</i>	194.84	
			<i>For >50 To 100, Add</i>	97.42	
26 01 10 91-0009	EA	2"	Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	441.48	
			Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
			<i>For Up To 20, Add</i>	86.79	
			<i>For >20 To 50, Add</i>	69.43	
			<i>For >50 To 100, Add</i>	34.72	
26 01 10 91-0010	EA	3"	Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	622.60	
			Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
			<i>For Up To 20, Add</i>	132.07	
			<i>For >20 To 50, Add</i>	105.65	
			<i>For >50 To 100, Add</i>	52.83	
26 01 10 91-0011	EA	4"	Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	886.73	
			Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
			<i>For Up To 20, Add</i>	198.10	
			<i>For >20 To 50, Add</i>	158.48	
			<i>For >50 To 100, Add</i>	79.24	
26 01 10 91-0012	EA	2"	Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	808.36	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			<i>For Up To 20, Add</i>	178.51	
			<i>For >20 To 50, Add</i>	142.81	
			<i>For >50 To 100, Add</i>	71.40	
26 01 10 91-0013	EA	3"	Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,111.39	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			<i>For Up To 20, Add</i>	254.27	
			<i>For >20 To 50, Add</i>	203.41	
			<i>For >50 To 100, Add</i>	101.71	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014 EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	2,036.92	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	485.65	
For >20 To 50, Add	388.52	
For >50 To 100, Add	194.26	
26 01 10 91-0015 EA 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	928.80	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	208.62	
For >20 To 50, Add	166.89	
For >50 To 100, Add	83.45	
26 01 10 91-0016 EA 4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,367.57	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	318.31	
For >20 To 50, Add	254.65	
For >50 To 100, Add	127.32	

26 01 20 Operation and Maintenance of Low-Voltage Electrical**Distribution** (26 01)**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

26 01 20 91-0001 Lock Out/Tag Out Devices <small>(26 01 20 91)</small>		
Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002 EA Lock Out/Tag Out Local Disconnect	55.45	
Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01 20 91-0003 EA Lock Out/Tag Out Breaker Or Motor Starter	55.45	
Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01 20 91-0004 EA Lock Out Padlock Device.....	15.41	
Note: Includes the installation and removal of pad lock when required		
26 01 20 91-0005 EA Lock Out Tags	5.75	
Note: Includes filling out tag information, installation and removal of identifying tags.		
26 01 20 91-0006 Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01 20 91-0007 EA Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device.....	32.05	
26 01 20 91-0008 EA Lighting, Existing Circuit Tracing Per Circuit.....	32.05	

26 01 30 Operation and Maintenance of Facility Electrical Power**Generating and Storing Equipment** (26 01)**26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration** (26 01

26 01 30 91-0001 Emergency Generator Permits <small>(26 01 30 91)</small>		
26 01 30 91-0002 Air Pollution Control Board <small>(26 01 30 91-0001)</small>		
26 01 30 91-0003 EA APCD Permit To Construct And Operate Emergency Generator.....	4,871.26	

26 01 50 Operation and Maintenance of Lighting (26 01)**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01 50 51-0001 Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.		
26 01 50 51-0002 Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003 EA 300 Watt, T3, Tungsten Halogen Lamp	50.48	
26 01 50 51-0004 EA 500 Watt, T3, Tungsten Halogen Lamp	63.43	
26 01 50 51-0005 EA 1,000 Watt, T3, Tungsten Halogen Lamp	92.38	
26 01 50 51-0006 EA 60 Watt, PAR38, Halogen Lamp.....	28.32	
26 01 50 51-0007 EA 75 Watt, PAR38, Halogen Lamp	28.32	
26 01 50 51-0008 EA 90 Watt, PAR38, Halogen Lamp	27.17	
26 01 50 51-0009 EA 100 Watt, PAR38, Halogen Lamp	27.17	
26 01 50 51-0010 EA 60 Watt, PAR38, Halogen IR Reflective Lamp.....	40.75	
26 01 50 51-0011 EA 67 Watt, PAR38, Halogen IR Reflective Lamp.....	44.41	
26 01 50 51-0012 EA 70 Watt, PAR38, Halogen IR Reflective Lamp.....	43.46	
26 01 50 51-0013 EA 90 Watt, PAR38, Halogen IR Reflective Lamp.....	46.26	
26 01 50 51-0014 EA 100 Watt, PAR38, Halogen IR Reflective Lamp.....	46.85	
26 01 50 51-0015 EA 12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10).....	24.31	
26 01 50 51-0016 EA 12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20).....	24.31	
26 01 50 51-0017 EA 12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25).....	26.22	
26 01 50 51-0018 EA 12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36).....	26.22	

26 01 50 51-0019 Incandescent Lamps (26 01 50 51-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0020 EA 100 Watt, Frosted, Interior Incandescent Lamp	8.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0021 EA 150 Watt, Frosted, Interior Incandescent Lamp	9.88	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0022 EA 200 Watt, Frosted, Interior Incandescent Lamp	11.53	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0023 EA 300 Watt, PS25, Interior Incandescent Lamp	13.59	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0024 EA 60 Watt, G25, Clear, Interior Incandescent Lamp	10.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0025 EA 75 Watt, R20, Interior Incandescent Lamp	16.17	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.06	
26 01 50 51-0026 EA 75 Watt, PAR38, Exterior Incandescent Lamp	19.06	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.06	
26 01 50 51-0027 EA 100 Watt, PAR38, Exterior Incandescent Lamp	17.91	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.06	
26 01 50 51-0028 EA 150 Watt, PAR38, Exterior Incandescent Lamp	28.87	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.06	
26 01 50 51-0029 EA 250 Watt, PAR38, Exterior Incandescent Lamp	56.98	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.56	
26 01 50 51-0030 EA 300 Watt, PAR56, Exterior Incandescent Lamp	65.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.56	
26 01 50 51-0031 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0032 EA Convert Exit Light Lamps To Red LED Lamps	136.46	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033 EA Fluorescent Lamp For Exit Light	38.13	
<i>For Multiple Lamps In Fixture, Deduct</i>	-10.19	
26 01 50 51-0034 EA Lamp Replacement For Emergency Lights On Exit Sign	41.69	
<i>For Multiple Lamps In Fixture, Deduct</i>	-5.10	
26 01 50 51-0035 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0036 EA 18", 15 Watt, T8 Fluorescent Lamp	15.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0037 EA 2', 17 Watt, T8 Fluorescent Lamp	18.02	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0038 EA 3', 25 Watt, T8 Fluorescent Lamp	20.65	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0039 EA 4', 32 Watt, T8 Fluorescent Lamp	20.52	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0040 EA 4', 30 Watt, T8 Fluorescent Lamp	25.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0041 EA 4', 28 Watt, T8 Fluorescent Lamp	22.42	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0042 EA 4', 25 Watt, T8 Fluorescent Lamp	22.31	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0043 EA 4', 44 Watt, T8HO Fluorescent Lamp	34.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0044 EA 8', 59 Watt, T8 Fluorescent Lamp	26.74	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0045 EA 18", 15 Watt, T12 Fluorescent Lamp	22.02	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0046 EA 2', 20 Watt, T12 Fluorescent Lamp	17.27	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0047 EA 3', 30 Watt, T12 Fluorescent Lamp	19.40	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0048 EA 4', 34 Watt, T12 Fluorescent Lamp	19.48	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0049 EA 4', 40 Watt, T12 Fluorescent Lamp	19.14	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0050 EA 8', 60 Watt, T12 Fluorescent Lamp	27.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0051 EA 8', 75 Watt, T12 Fluorescent Lamp	23.52	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0052 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp	38.12	
26 01 50 51-0053 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	22.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0054 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	18.73	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0055 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	18.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0056 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	19.88	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0057 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	31.90	
<i>For Multiple Lamps In Fixture, Deduct</i>	-5.10	
26 01 50 51-0058 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	30.86	
<i>For Multiple Lamps In Fixture, Deduct</i>	-5.10	
26 01 50 51-0059 EA 6", 4 Watt, T5 Fluorescent Lamp	16.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0060 EA 9", 6 Watt, T5 Fluorescent Lamp	16.57	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0061 EA 12", 8 Watt, T5 Fluorescent Lamp .....17.03 <i>For Multiple Lamps In Fixture, Deduct</i> .....-4.07		
26 01 50 51-0062 EA 21", 13 Watt, T5 Fluorescent Lamp .....17.70 <i>For Multiple Lamps In Fixture, Deduct</i> .....-4.07		
26 01 50 51-0063 EA 24", 14 Watt, T5 Fluorescent Lamp .....20.03 <i>For Multiple Lamps In Fixture, Deduct</i> .....-4.07		
26 01 50 51-0064 EA 34", 21 Watt, T5 Fluorescent Lamp .....21.88 <i>For Multiple Lamps In Fixture, Deduct</i> .....-4.58		
26 01 50 51-0065 EA 46", 28 Watt, T5 Fluorescent Lamp .....21.28 <i>For Multiple Lamps In Fixture, Deduct</i> .....-4.58		
26 01 50 51-0066 EA 46", 54 Watt, T5HO Fluorescent Lamp .....23.03 <i>For Multiple Lamps In Fixture, Deduct</i> .....-4.58		
26 01 50 51-0067 EA 46", 54 Watt T5 Fluorescent Lamp .....19.62		
26 01 50 51-0068 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp .....12.90 <i>For Multiple Lamps In Fixture, Deduct</i> .....-2.55		
26 01 50 51-0069 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp .....14.11 <i>For Multiple Lamps In Fixture, Deduct</i> .....-2.55		
26 01 50 51-0070 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp .....27.44 <i>For Multiple Lamps In Fixture, Deduct</i> .....-2.55		
26 01 50 51-0071 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux .....36.22		
26 01 50 51-0072 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux .....36.22		
26 01 50 51-0073 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin .....65.29		
26 01 50 51-0074 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp .....24.62		
26 01 50 51-0075 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....13.32		
26 01 50 51-0076 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....11.70		
26 01 50 51-0077 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....12.20		
26 01 50 51-0078 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....45.68		
26 01 50 51-0079 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....49.70		
26 01 50 51-0080 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....93.32		
26 01 50 51-0081 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....111.49		
26 01 50 51-0082 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....115.19		
26 01 50 51-0083 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....43.00		
26 01 50 51-0084 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....44.78		
26 01 50 51-0085 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....51.44		
26 01 50 51-0086 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0087 EA 50 Watt, Pulse Start Metal Halide Lamp .....55.06		
26 01 50 51-0088 EA 70 Watt, Pulse Start Metal Halide Lamp .....52.90		
26 01 50 51-0089 EA 100 Watt, Pulse Start Metal Halide Lamp .....59.72		
26 01 50 51-0090 EA 150 Watt, Pulse Start Metal Halide Lamp .....58.17		
26 01 50 51-0091 EA 175 Watt, Pulse Start Metal Halide Lamp .....57.72		
26 01 50 51-0092 EA 250 Watt, Pulse Start Metal Halide Lamp .....58.03		
26 01 50 51-0093 EA 400 Watt, Pulse Start Metal Halide Lamp .....68.89		
26 01 50 51-0094 EA 1,000 Watt, Pulse Start Metal Halide Lamp .....79.30		
26 01 50 51-0095 EA 1,500 Watt, Pulse Start Metal Halide Lamp .....78.87		
26 01 50 51-0096 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0097 EA 35 Watt, High Pressure Sodium Lamp .....46.28 <i>For Enclosed And Gasket Light Fixtures, Add</i> .....3.92		
26 01 50 51-0098 EA 50 Watt, High Pressure Sodium Lamp .....46.28 <i>For Enclosed And Gasket Light Fixtures, Add</i> .....3.92		
26 01 50 51-0099 EA 70 Watt, High Pressure Sodium Lamp .....47.20 <i>For Enclosed And Gasket Light Fixtures, Add</i> .....3.92		
26 01 50 51-0100 EA 100 Watt, High Pressure Sodium Lamp .....48.97 <i>For Enclosed And Gasket Light Fixtures, Add</i> .....3.92		
26 01 50 51-0101 EA 150 Watt, High Pressure Sodium Lamp .....47.20 <i>For Enclosed And Gasket Light Fixtures, Add</i> .....3.92		
26 01 50 51-0102 EA 250 Watt, High Pressure Sodium Lamp .....47.20 <i>For Enclosed And Gasket Light Fixtures, Add</i> .....3.92		
26 01 50 51-0103 EA 400 Watt, High Pressure Sodium Lamp .....44.57 <i>For Enclosed And Gasket Light Fixtures, Add</i> .....3.92		
26 01 50 51-0104 EA 1,000 Watt, High Pressure Sodium Lamp .....97.82		
26 01 50 51-0105 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0106 EA 35 Watt, Low Pressure Sodium Lamp .....110.24		
26 01 50 51-0107 EA 55 Watt, Low Pressure Sodium Lamp .....122.46		
26 01 50 51-0108 EA 70 Watt, Low Pressure Sodium Lamp .....125.21		
26 01 50 51-0109 EA 90 Watt, Low Pressure Sodium Lamp .....127.96		
26 01 50 51-0110 EA 135 Watt, Low Pressure Sodium Lamp .....138.97		
26 01 50 51-0111 EA 180 Watt, Low Pressure Sodium Lamp .....188.49		
26 01 50 51-0112 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0113 LED Lamps, Candelabra Base, CA10 (26 01 50 51-0112)		
26 01 50 51-0114 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....18.06		
26 01 50 51-0115 LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0112)		

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR CSI UOM DESCRIPTION TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

Table with columns for item ID, quantity, unit of measure, description, total direct unit cost, and demolition unit cost. Contains 50 rows of electrical equipment and lighting items.

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0338 LED Tubes (Fluorescent Lamp Replacement) <small>(26 01 50 51-0112)</small>			
26 01 50 51-0339	EA 2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	44.49	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0340	EA 2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	57.15	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0341	EA 3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	47.91	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.33	
26 01 50 51-0342	EA 4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	52.37	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0343	EA 4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	57.11	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0344	EA 4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	36.94	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0345	EA 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN).....	35.39	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0346	EA 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	32.45	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.07	
26 01 50 51-0347	EA 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	33.13	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.33	
26 01 50 51-0348	EA 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	33.29	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	
26 01 50 51-0349	EA 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	34.41	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.58	

26 01 50 51-0350 Filament LED Lamps <small>(26 01 50 51-0112)</small>			
26 01 50 51-0351	EA 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827).....	19.25	
26 01 50 51-0352	EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R).....	19.25	
26 01 50 51-0353	EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	18.53	
26 01 50 51-0354	EA 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	18.53	
26 01 50 51-0355	EA 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827).....	19.68	
26 01 50 51-0356	EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A).....	19.68	
26 01 50 51-0357	EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827).....	17.11	
26 01 50 51-0358	EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	17.11	
26 01 50 51-0359	EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	17.54	
26 01 50 51-0360	EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 3.5FST19DIM/824/A).....	20.68	
26 01 50 51-0361	EA 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	24.73	

26 01 50 51-0362 Other Lamps <small>(26 01 50 51-0112)</small>			
26 01 50 51-0363	EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1).....	18.42	
26 01 50 51-0364	EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	18.42	
26 01 50 51-0365	EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	18.42	
26 01 50 51-0366	EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	19.13	
26 01 50 51-0367	EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	19.13	
26 01 50 51-0368	EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	19.13	

26 01 50 51-0369 LED Lamps, Light Engines, Round, LER Series <small>(26 01 50 51-0112)</small>			
26 01 50 51-0370	EA 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	60.14	
26 01 50 51-0371	EA 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	36.72	

26 01 50 51-0372 Recycle Hazardous Lamps <small>(26 01 50 51)</small>			
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.			
26 01 50 51-0373	EA Recycle 2' Length Linear Fluorescent Lamps.....	1.72	
26 01 50 51-0374	EA Recycle 3' Length Linear Fluorescent Lamps.....	2.20	
26 01 50 51-0375	EA Recycle 4' Length Linear Fluorescent Lamps.....	2.69	
26 01 50 51-0376	EA Recycle 6' Length Linear Fluorescent Lamps.....	3.80	
26 01 50 51-0377	EA Recycle 8' Length Linear Fluorescent Lamps.....	4.77	
26 01 50 51-0378	EA Recycle Compact Fluorescent Lamps.....	4.39	
26 01 50 51-0379	EA Recycle U-Shaped Or Circular Fluorescent Lamps.....	4.39	
26 01 50 51-0380	EA Recycle High Intensity Discharge (HID) Lamps.....	6.94	

26 01 50 52 Ballasts Replacement (26 01 50)

26 01 50 52-0001 Owner Supplied Ballasts <small>(26 01 50 52)</small>			
26 01 50 52-0002	EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	30.87	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 01 50 52-0003	EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	38.58	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.57	
26 01 50 52-0004	EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	44.76	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0005 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	47.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.35	
26 01 50 52-0006 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	54.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0007 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	57.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.13	
26 01 50 52-0008 High Intensity Discharge (HID) Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0009 Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0010 Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0011 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0012 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	178.34	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0013 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	182.36	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0014 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	182.36	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0015 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	170.91	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0016 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	170.91	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0017 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	247.62	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0018 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	247.62	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0019 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	315.19	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0020 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	349.65	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0021 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0022 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	162.45	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0023 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	171.44	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0024 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	167.56	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0025 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	194.58	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0026 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	190.72	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0027 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	215.79	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0028 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	215.79	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0029 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.49	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0030 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.49	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0031 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	403.82	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0032 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	403.82	38.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0033 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0034 EA Single Mounting Bracket For Core And Coil Type	21.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 01 50 52-0035 EA Double Mounting Bracket For Core And Coil Type	35.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	
26 01 50 52-0036 F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0037 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	222.62	38.58
<i>For Pulse Start Ballast, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0039 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	233.77	38.58
<i>For Pulse Start Ballast, Add</i>	17.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 01 50 52-0040 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	214.17	38.58
<i>For Pulse Start Ballast, Add</i>	16.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0041 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.38 19.24 16.20	38.58
26 01 50 52-0042 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	336.63 28.26 16.20	38.58
26 01 50 52-0043 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0044 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.88 16.20	38.58
26 01 50 52-0045 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	282.27 16.20	38.58
26 01 50 52-0046 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0047 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	431.54 16.20	38.58
26 01 50 52-0049 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0050 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	657.23 16.17	38.51
26 01 50 52-0051 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	731.34 16.17	38.51
26 01 50 52-0052 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	705.70 16.17	38.51
26 01 50 52-0053 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0054 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0055 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	528.08 16.20	38.58
26 01 50 52-0056 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	597.47 16.20	38.58
26 01 50 52-0057 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	784.63 16.20	38.58
26 01 50 52-0058 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	780.60 16.20	38.58
26 01 50 52-0059 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,088.85 17.13	41.67
26 01 50 52-0060 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,088.85 17.13	41.67
26 01 50 52-0061 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	753.06 16.20	38.58
26 01 50 52-0062 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	883.50 16.20	38.58
26 01 50 52-0063 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0064 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	973.19 16.20	38.58
26 01 50 52-0065 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	927.22 16.20	38.58
26 01 50 52-0066 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,187.85 16.20	38.58
26 01 50 52-0067 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,187.85 16.20	38.58
26 01 50 52-0068 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0069 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0070 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	591.67 16.20	38.58
26 01 50 52-0071 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	637.99 16.20	38.58
26 01 50 52-0072 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	633.43 16.20	38.58
26 01 50 52-0073 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	664.46 16.20	38.58
26 01 50 52-0074 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,048.38 17.13	41.67
26 01 50 52-0075 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,285.34 17.13	41.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0076 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 978.58 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	978.58	38.58
26 01 50 52-0077 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 892.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	892.18	38.58
26 01 50 52-0078 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0079 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 759.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	759.74	38.58
26 01 50 52-0080 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 818.16 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	818.16	38.58
26 01 50 52-0081 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 1,214.81 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	1,214.81	38.58
26 01 50 52-0082 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 1,047.22 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	1,047.22	38.58
26 01 50 52-0083 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0084 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0083)</small>		
26 01 50 52-0085 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 244.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	244.83	38.58
26 01 50 52-0086 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 244.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	244.83	38.58
26 01 50 52-0087 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 274.11 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	274.11	38.58
26 01 50 52-0088 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 684.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	684.43	38.58
26 01 50 52-0089 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 684.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	684.43	38.58
26 01 50 52-0090 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 684.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	684.43	38.58
26 01 50 52-0091 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 684.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	684.43	38.58
26 01 50 52-0092 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 684.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20	684.43	38.58
26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001 Lens and Accessory Replacement <small>(26 01 50 53)</small>		
26 01 50 53-0002 EA Removal And Replacement Of Parabolic Aluminum Louver 92.40	92.40	
26 01 50 53-0003 EA Removal And Replacement Of Visor For Fixtures 220.02	220.02	
26 01 50 53-0004 EA Removal And Replacement Of Globe On Pole 235.04	235.04	
26 01 50 53-0005 EA Removal And Replacement Of Lenses For Flat Top Pole Fixtures 105.56	105.56	
26 01 50 53-0006 EA Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser 37.26	37.26	
26 01 50 53-0007 EA Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser 38.30	38.30	
26 01 50 53-0008 EA Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser 42.80	42.80	
26 01 50 53-0009 EA Removal And Replacement Of Slide-On Lampholder 17.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.62	17.04	
26 01 50 53-0010 EA Removal And Replacement Of Screw Mount Lampholder 17.20 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.62	17.20	
26 01 50 53-0011 EA Removal And Replacement Of Medium Bi-Pin Lampholder 18.57 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.62	18.57	
26 01 50 53-0012 EA Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type 20.68 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.62	20.68	
26 01 50 53-0013 EA Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type 22.06 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.62	22.06	
26 01 50 53-0014 EA Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in 18.36 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.62	18.36	
26 01 50 53-0015 EA Removal And Replacement Of Exterior Light Globes 64.36	64.36	
26 01 50 81 Luminaire Replacement <small>(26 01 50)</small>		
26 01 50 81-0001 Retrofit Lighting Fixtures <small>(26 01 50 81)</small>		
26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0004 EA 7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927) 119.47	119.47	
26 01 50 81-0005 EA 7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930) 119.47	119.47	
26 01 50 81-0006 EA 7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940) 119.47	119.47	
26 01 50 81-0007 EA 4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827) 101.80	101.80	
26 01 50 81-0008 EA 4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830) 101.80	101.80	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0009 EA 4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	101.80	
26 01 50 81-0010 EA 6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	109.24	
26 01 50 81-0011 EA 6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	109.24	
26 01 50 81-0012 EA 6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	109.24	
26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0014 EA 2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	324.99	
26 01 50 81-0015 EA 3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	336.15	
26 01 50 81-0016 EA 4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	347.31	
26 01 50 81-0017 EA 5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	361.54	
26 01 50 81-0018 EA 6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	394.08	
26 01 50 81-0019 EA 7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	408.32	
26 01 50 81-0020 EA 8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	439.00	
26 01 50 81-0021 EA 9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	450.16	
26 01 50 81-0022 EA 10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	464.39	
26 01 50 81-0023 EA 11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	484.84	
26 01 50 81-0024 EA 12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	507.45	
26 01 50 81-0025 EA 13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	528.83	
26 01 50 81-0026 EA 14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	539.99	
26 01 50 81-0027 EA 16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	558.58	
26 01 50 81-0028 EA 17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	581.80	
26 01 50 81-0029 EA 18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	605.04	
26 01 50 81-0030 EA 19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	640.37	
26 01 50 81-0031 EA 20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	656.17	
26 01 50 81-0032 EA 21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	684.35	
26 01 50 81-0033 EA 22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	720.61	
26 01 50 81-0034 EA 23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	739.21	
26 01 50 81-0035 EA 24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	784.72	
26 01 50 81-0036 EA 25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	825.63	
26 01 50 81-0037 EA 26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	854.75	
26 01 50 81-0038 EA 27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	894.73	
26 01 50 81-0039 EA 28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	973.11	
26 01 50 81-0040 EA 29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	982.41	
26 01 50 81-0041 EA 31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,007.48	
26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0043 EA 20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35)	145.81	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0044 EA 20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40)	145.81	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0045 EA 20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50)	145.81	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0046 EA 30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35)	150.46	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0047 EA 2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40)	150.46	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0048 EA 2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50)	150.46	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0049 EA 2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35)	159.75	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0050 EA 2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40)	159.75	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0051 EA 2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50)	159.75	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0052 EA 3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35)	150.46	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0053 EA 3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40)	150.46	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0054 EA 3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50)	150.46	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0055 EA 3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35)	159.75	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0056 EA 3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40)	159.75	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0057 EA 3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50)	159.75	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0058 EA 3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35)	178.35	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0059 EA 3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40)	178.35	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0060 EA 3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50)	178.35	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0061 EA 1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35)	145.81	
Note: Fits 1' x 2' Troffer/Strip		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0062 EA 1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40).....	145.81	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0063 EA 1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50).....	145.81	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0064 EA 2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35).....	145.81	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0065 EA 2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40).....	145.81	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0066 EA 2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50).....	145.81	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0067 EA 3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35).....	150.46	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0068 EA 3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40).....	150.46	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0069 EA 3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50).....	150.46	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0070 EA 3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35).....	156.03	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0071 EA 3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40).....	156.03	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0072 EA 3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50).....	156.03	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074 EA 34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	298.04	
26 01 50 81-0075 EA 34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	298.04	
26 01 50 81-0076 EA 26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	271.08	
26 01 50 81-0077 EA 26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	271.08	
26 01 50 81-0078 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV).....	145.55	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0079 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV).....	145.55	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0080 EA 31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV).....	163.21	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0081 EA 31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV).....	163.21	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0082 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV).....	176.23	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0083 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV).....	176.23	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0084 EA 31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV).....	180.87	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0085 EA 31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV).....	180.87	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0086 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120).....	118.58	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0087 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120).....	118.58	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0088 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880).....	129.74	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0089 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880).....	129.74	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0090 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L).....	121.37	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0091 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L).....	121.37	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0092 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L).....	132.53	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0093 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L).....	132.53	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0094 EA 6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450).....	120.44	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0095 EA 6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450).....	120.44	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0096 EA 8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000).....	128.81	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0097 EA 8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000).....	128.81	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) <small>(26 01 50 81-0002)</small>		
See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0099 EA Dongle (LG LGE-DONGLE).....	26.39	
26 01 50 81-0100 EA 1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B).....	143.60	17.57
26 01 50 81-0101 EA 2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B).....	150.62	21.08
26 01 50 81-0102 EA 1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B).....	182.34	17.57

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0103 EA 2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	189.36	21.08
26 01 50 81-0104 EA Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR).....	95.90	14.06
26 01 50 81-0105 EA Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP).....	36.09	14.06
26 01 50 81-0106 EA Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE).....	38.36	14.06
26 01 50 81-0107 EA Wireless Interface Module (LG PIHN-W005A).....	93.49	21.08
Note: includes dongle		
26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 81-0001)</small>		
Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.		
26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	115.86	
<i>For Specular Ballast Cover, Add</i>	12.39	
26 01 50 81-0111 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	122.15	
<i>For Specular Ballast Cover, Add</i>	13.65	
26 01 50 81-0112 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	163.31	
<i>For Specular Ballast Cover, Add</i>	21.88	
26 01 50 81-0113 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	184.79	
<i>For Specular Ballast Cover, Add</i>	26.18	
26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	121.92	
<i>For Specular Reflector, Add</i>	13.60	
26 01 50 81-0116 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	128.93	
<i>For Specular Reflector, Add</i>	15.01	
26 01 50 81-0117 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	171.78	
<i>For Specular Reflector, Add</i>	23.58	
26 01 50 81-0118 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	213.95	
<i>For Specular Reflector, Add</i>	32.01	
26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	153.06	
<i>For Specular Reflector, Add</i>	16.75	
26 01 50 81-0121 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	159.35	
<i>For Specular Reflector, Add</i>	18.01	
26 01 50 81-0122 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	162.98	
<i>For Specular Reflector, Add</i>	18.73	
26 01 50 81-0123 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	180.37	
<i>For Specular Reflector, Add</i>	22.21	
26 01 50 81-0124 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	214.84	
<i>For Specular Reflector, Add</i>	29.11	
26 01 50 81-0125 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	166.61	
<i>For Specular Reflector, Add</i>	19.46	
26 01 50 81-0126 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	180.98	
<i>For Specular Reflector, Add</i>	22.33	
26 01 50 81-0127 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	192.93	
<i>For Specular Reflector, Add</i>	24.72	
26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 81-0128)</small>		
Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0130 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.33	
26 01 50 81-0131 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.33	
26 01 50 81-0132 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	178.33	
26 01 50 81-0133 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	192.15	
26 01 50 81-0134 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.33	
26 01 50 81-0135 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.33	
26 01 50 81-0136 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	178.33	
26 01 50 81-0137 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	192.15	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.33	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.33	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.33	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	193.15	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.33	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.33	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.33	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	193.15	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	238.55	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	247.95	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	364.50	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	372.93	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	364.50	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	372.93	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	415.10	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	427.76	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	457.27	
26 01 50 81-0157		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	338.69	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	350.46	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	353.98	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	365.74	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	259.29	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	264.87	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	273.81	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	279.40	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	341.98	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	404.56	
26 01 50 81-0168		Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	302.40	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0170 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	229.52	
26 01 50 81-0171 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	310.27	
26 01 50 81-0172 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	237.32	
26 01 50 81-0173 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	324.48	
26 01 50 81-0174 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	257.27	
26 01 50 81-0175 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	355.10	
26 01 50 81-0176 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	282.03	
26 01 50 81-0177 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	362.46	
26 01 50 81-0178 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	289.46	
26 01 50 81-0179 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	376.49	
26 01 50 81-0180 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	309.30	
26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 81-0128)</small>		
Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0182 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	661.10	
26 01 50 81-0183 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	733.01	
26 01 50 81-0184 Retrofit Existing HID Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0185 EA Tear Drop LED Retrofit Kit (Holophane LTDR2 P35S 40K AS BK TDRD 3 P).....	1,492.17	
26 01 50 81-0186 LED Lighting Retrofits For Existing Fluorescent Fixtures <small>(26 01 50 81-0001)</small>		
Note: Excludes recycling or disposal of lamps and ballasts.		
26 01 50 81-0187 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) <small>(26 01 50 81-0186)</small>		
26 01 50 81-0188 EA 2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT).....	133.86	
For >25 To 50, Deduct	-6.69	
For >50 To 100, Deduct	-11.77	
For >100, Deduct	-20.32	
26 01 50 81-0189 EA 2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT).....	189.20	
For >25 To 50, Deduct	-9.46	
For >50 To 100, Deduct	-15.92	
For >100, Deduct	-25.85	
26 01 50 81-0190 EA 3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	145.22	
For >25 To 50, Deduct	-7.26	
For >50 To 100, Deduct	-12.72	
For >100, Deduct	-21.84	
26 01 50 81-0191 EA 3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT).....	134.43	
For >25 To 50, Deduct	-6.72	
For >50 To 100, Deduct	-11.91	
For >100, Deduct	-20.76	
26 01 50 81-0192 EA 4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	172.92	
For >25 To 50, Deduct	-8.65	
For >50 To 100, Deduct	-14.89	
For >100, Deduct	-24.99	
26 01 50 81-0193 EA 4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	220.87	
For >25 To 50, Deduct	-11.04	
For >50 To 100, Deduct	-18.49	
For >100, Deduct	-29.79	
26 01 50 81-0194 EA 4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	144.94	
For >25 To 50, Deduct	-7.25	
For >50 To 100, Deduct	-12.80	
For >100, Deduct	-22.20	
26 01 50 81-0195 EA 4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	144.94	
For >25 To 50, Deduct	-7.25	
For >50 To 100, Deduct	-12.80	
For >100, Deduct	-22.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0196 EA 4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	182.51	
<i>For >25 To 50, Deduct</i>	-9.13	
<i>For >50 To 100, Deduct</i>	-15.61	
<i>For >100, Deduct</i>	-25.95	
26 01 50 81-0197 EA 4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	156.93	
<i>For >25 To 50, Deduct</i>	-7.85	
<i>For >50 To 100, Deduct</i>	-13.70	
<i>For >100, Deduct</i>	-23.39	
26 01 50 81-0198 EA 4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	156.93	
<i>For >25 To 50, Deduct</i>	-7.85	
<i>For >50 To 100, Deduct</i>	-13.70	
<i>For >100, Deduct</i>	-23.39	
26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) <small>(26 01 50 81-0186)</small>		
26 01 50 81-0200 EA 1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	303.64	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	191.26	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	124.32	
<i>For >25 To 50, Deduct</i>	-15.18	
<i>For >50 To 100, Deduct</i>	-24.70	
<i>For >100, Deduct</i>	-38.07	
26 01 50 81-0201 EA 1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	326.32	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	191.26	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	124.32	
<i>For >25 To 50, Deduct</i>	-16.32	
<i>For >50 To 100, Deduct</i>	-26.40	
<i>For >100, Deduct</i>	-40.33	
26 01 50 81-0202 EA 2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	343.27	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	191.26	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	124.32	
<i>For >25 To 50, Deduct</i>	-17.16	
<i>For >50 To 100, Deduct</i>	-27.67	
<i>For >100, Deduct</i>	-42.03	
26 01 50 81-0203 EA 2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	369.77	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	191.26	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	124.32	
<i>For >25 To 50, Deduct</i>	-18.49	
<i>For >50 To 100, Deduct</i>	-29.66	
<i>For >100, Deduct</i>	-44.68	
26 01 50 81-0204 EA 2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	398.22	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	191.26	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	124.32	
<i>For >25 To 50, Deduct</i>	-19.91	
<i>For >50 To 100, Deduct</i>	-32.18	
<i>For >100, Deduct</i>	-49.06	
26 01 50 81-0205 EA 2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	428.98	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	191.26	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	124.32	
<i>For >25 To 50, Deduct</i>	-21.45	
<i>For >50 To 100, Deduct</i>	-34.48	
<i>For >100, Deduct</i>	-52.14	
26 01 50 81-0206 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) <small>(26 01 50 81-0186)</small>		
Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0207 EA 2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	120.36	
Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
<i>For >25 To 50, Deduct</i>	-6.02	
<i>For >50 To 100, Deduct</i>	-10.76	
<i>For >100, Deduct</i>	-18.97	
26 01 50 81-0208 EA 2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	120.36	
Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
<i>For >25 To 50, Deduct</i>	-6.02	
<i>For >50 To 100, Deduct</i>	-10.76	
<i>For >100, Deduct</i>	-18.97	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0209	EA		4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	155.41	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.77	
			For >50 To 100, Deduct	-13.58	
			For >100, Deduct	-23.24	
26 01 50 81-0210	EA		4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	155.41	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.77	
			For >50 To 100, Deduct	-13.58	
			For >100, Deduct	-23.24	
26 01 50 81-0211	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	155.52	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.78	
			For >50 To 100, Deduct	-13.59	
			For >100, Deduct	-23.25	
26 01 50 81-0212	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	168.09	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.40	
			For >50 To 100, Deduct	-14.53	
			For >100, Deduct	-24.51	
26 01 50 81-0213	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	155.52	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.78	
			For >50 To 100, Deduct	-13.59	
			For >100, Deduct	-23.25	
26 01 50 81-0214	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F).....	168.09	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.40	
			For >50 To 100, Deduct	-14.53	
			For >100, Deduct	-24.51	
26 01 50 81-0215	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40).....	155.52	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.78	
			For >50 To 100, Deduct	-13.59	
			For >100, Deduct	-23.25	
26 01 50 81-0216	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F).....	168.09	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.40	
			For >50 To 100, Deduct	-14.53	
			For >100, Deduct	-24.51	
26 01 50 81-0217	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50).....	155.52	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.78	
			For >50 To 100, Deduct	-13.59	
			For >100, Deduct	-23.25	
26 01 50 81-0218	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F).....	168.09	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.40	
			For >50 To 100, Deduct	-14.53	
			For >100, Deduct	-24.51	
26 01 50 81-0219	EA		4' Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50).....	167.98	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.40	
			For >50 To 100, Deduct	-14.52	
			For >100, Deduct	-24.50	
26 01 50 81-0220	EA		4' Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	194.89	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.74	
			For >50 To 100, Deduct	-16.54	
			For >100, Deduct	-27.19	
26 01 50 81-0221	EA		4' Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	210.60	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-10.53	
			For >50 To 100, Deduct	-17.72	
			For >100, Deduct	-28.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0222 EA 4' Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	194.89	
Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-9.74	
For >50 To 100, Deduct	-16.54	
For >100, Deduct	-27.19	
26 01 50 81-0223 EA 4' Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	210.60	
Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-10.53	
For >50 To 100, Deduct	-17.72	
For >100, Deduct	-28.76	
26 01 50 81-0224 EA 20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	196.16	
Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
For >25 To 50, Deduct	-9.81	
For >50 To 100, Deduct	-15.10	
For >100, Deduct	-21.16	
26 01 50 81-0225 EA 20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W).....	180.25	
Note: 90-minute emergency battery with power output of 20 Watts		
For >25 To 50, Deduct	-9.01	
For >50 To 100, Deduct	-13.90	
For >100, Deduct	-19.57	
26 01 50 81-0226 EA 8' Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	202.08	
Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-10.10	
For >50 To 100, Deduct	-17.66	
For >100, Deduct	-30.22	
26 01 50 81-0227 EA 8' Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	209.94	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-10.50	
For >50 To 100, Deduct	-18.25	
For >100, Deduct	-31.01	
26 01 50 81-0228 EA 8' Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	287.14	
Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-14.36	
For >50 To 100, Deduct	-24.04	
For >100, Deduct	-38.73	
26 01 50 81-0229 EA 8' Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	318.58	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-15.93	
For >50 To 100, Deduct	-26.40	
For >100, Deduct	-41.87	
26 01 50 81-0230 EA 8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	287.14	
Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-14.36	
For >50 To 100, Deduct	-24.04	
For >100, Deduct	-38.73	
26 01 50 81-0231 EA 8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	318.58	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-15.93	
For >50 To 100, Deduct	-26.40	
For >100, Deduct	-41.87	

26 05 Common Work Results for Electrical ⁽²⁶⁾

26 05 13 Medium-Voltage Cables ^(26 05)

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables ^(26 05 13)

26 05 13 16-0001 Wire And Cable ^(26 05 13 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable ^(26 05 13 16-0001)

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct ^(26 05 13 16-0002)

26 05 13 16-0004 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,227.30	1,175.05
26 05 13 16-0005 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,951.26	1,283.04
26 05 13 16-0006 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,869.44	1,449.64
26 05 13 16-0007 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,570.15	1,786.01
26 05 13 16-0008 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,611.02	2,011.21

26 Electrical
26 05 Common Work Results for Electrical
26 05 13 Medium-Voltage Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0009 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,453.98	2,232.39
26 05 13 16-0010 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,764.83	2,508.32
26 05 13 16-0011 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,874.84	2,790.62
26 05 13 16-0012 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,212.60	3,331.93
26 05 13 16-0013 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,301.53	3,916.60
26 05 13 16-0014 MLF 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	29,654.43	4,616.14
26 05 13 16-0015 MLF 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	39,014.72	5,315.34
26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)		
Note: Excludes excavation.		
26 05 13 16-0017 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,080.43	
26 05 13 16-0018 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,534.29	
26 05 13 16-0019 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,035.91	
26 05 13 16-0020 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,171.81	
26 05 13 16-0021 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,649.54	
26 05 13 16-0022 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,214.86	
26 05 13 16-0023 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,835.91	
26 05 13 16-0024 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,522.56	
26 05 13 16-0025 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,653.60	
26 05 13 16-0026 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,412.98	
26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)		
26 05 13 16-0028 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,236.03	742.20
26 05 13 16-0029 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,830.74	795.79
26 05 13 16-0030 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,884.19	1,006.34
26 05 13 16-0031 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,308.80	1,221.68
26 05 13 16-0032 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,343.67	1,434.14
26 05 13 16-0033 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,173.75	1,640.09
26 05 13 16-0034 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,484.05	1,902.97
26 05 13 16-0035 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,176.37	2,394.05
26 05 13 16-0036 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,826.06	3,029.22
26 05 13 16-0037 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	20,490.37	3,805.93
26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 16-0002)		
26 05 13 16-0039 MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,078.16	2,341.73
26 05 13 16-0040 MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,290.74	2,375.38
26 05 13 16-0041 MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,503.34	2,409.03
26 05 13 16-0042 MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,958.58	2,462.28
26 05 13 16-0043 MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,105.16	2,556.20
26 05 13 16-0044 MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,592.75	2,678.93
26 05 13 16-0045 MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	29,864.03	3,348.67
26 05 13 16-0046 MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	34,803.82	4,464.95
26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)		
26 05 13 16-0048 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,459.47	1,175.05
26 05 13 16-0049 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,265.13	1,283.04
26 05 13 16-0050 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,273.60	1,449.64
26 05 13 16-0051 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,201.12	1,617.74
26 05 13 16-0052 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,129.10	1,786.01
26 05 13 16-0053 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,255.96	2,011.21
26 05 13 16-0054 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,331.09	2,232.39
26 05 13 16-0055 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,753.73	2,508.32
26 05 13 16-0056 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,116.56	2,790.62
26 05 13 16-0057 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,631.46	3,331.93
26 05 13 16-0058 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	22,193.34	3,916.60
26 05 13 16-0059 MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	32,915.72	4,616.14
26 05 13 16-0060 MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	43,645.46	5,315.34
26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)		
Note: Excludes excavation.		
26 05 13 16-0062 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,312.61	
26 05 13 16-0063 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,848.16	
26 05 13 16-0064 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,440.07	
26 05 13 16-0065 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,086.05	
26 05 13 16-0066 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,730.75	
26 05 13 16-0067 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,294.48	
26 05 13 16-0068 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,091.97	
26 05 13 16-0069 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,824.81	
26 05 13 16-0070 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,764.28	
26 05 13 16-0071 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,072.47	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	16,304.80	
26 05 13 16-0073		Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <small>(26 05 13 16-0073)</small>		
26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,468.20	742.20
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,144.61	795.79
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,288.35	1,006.34
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,076.07	1,113.22
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,867.75	1,221.68
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,988.61	1,434.14
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,050.86	1,640.09
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,472.95	1,902.97
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,418.09	2,394.05
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,244.93	3,029.22
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	22,382.18	3,805.93
26 05 13 16-0085		15 KV Cable <small>(26 05 13 16-0085)</small>		
26 05 13 16-0086		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0086)</small>		
26 05 13 16-0087		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0087)</small>		
26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,040.60	2,341.73
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,688.78	2,341.73
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,936.02	2,341.73
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,741.44	2,341.73
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,505.91	2,341.73
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,045.52	2,444.36
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,345.85	2,444.36
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,263.87	2,556.20
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,174.66	2,616.14
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	21,045.57	2,946.83
26 05 13 16-0098		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0098)</small>		
		Note: Excludes excavation.		
26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,417.04	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,222.46	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,986.93	
26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,558.91	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,859.23	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,916.13	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,830.61	
26 05 13 16-0106	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	18,366.65	
26 05 13 16-0107		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0107)</small>		
26 05 13 16-0108	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,861.92	1,060.26
26 05 13 16-0109	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,090.67	1,221.68
26 05 13 16-0110	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,412.28	1,434.14
26 05 13 16-0111	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,235.69	1,640.09
26 05 13 16-0112	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,225.26	1,902.97
26 05 13 16-0113	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,682.69	2,215.30
26 05 13 16-0114	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,403.50	2,581.39
26 05 13 16-0115	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	21,541.76	2,998.53
26 05 13 16-0116		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0116)</small>		
26 05 13 16-0117		Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0117)</small>		
26 05 13 16-0118	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,614.13	2,341.73
26 05 13 16-0119	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,378.98	2,341.73
26 05 13 16-0120	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,670.73	2,341.73
26 05 13 16-0121	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,621.13	2,341.73
26 05 13 16-0122	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,523.20	2,341.73
26 05 13 16-0123	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,293.79	2,444.36
26 05 13 16-0124	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,648.17	2,444.36
26 05 13 16-0125	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	16,861.07	2,556.20
26 05 13 16-0126	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,088.83	2,616.14
26 05 13 16-0127	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	23,507.70	2,946.83



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 16-0128	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0116)		
	Note: Excludes excavation.		
26 05 13 16-0129	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,151.75	
26 05 13 16-0130	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,102.14	
26 05 13 16-0131	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,004.21	
26 05 13 16-0132	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,807.18	
26 05 13 16-0133	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,161.55	
26 05 13 16-0134	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,508.67	
26 05 13 16-0135	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,734.28	
26 05 13 16-0136	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	20,828.78	
26 05 13 16-0137	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0116)		
26 05 13 16-0138	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,596.63	1,060.26
26 05 13 16-0139	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,970.35	1,221.68
26 05 13 16-0140	MLF 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,429.56	1,434.14
26 05 13 16-0141	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,483.96	1,640.09
26 05 13 16-0142	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,527.58	1,902.97
26 05 13 16-0143	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,279.88	2,215.30
26 05 13 16-0144	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,317.67	2,581.39
26 05 13 16-0145	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	24,003.89	2,998.53
26 05 13 16-0146	15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0085)		
26 05 13 16-0147	MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,507.62	2,349.93
26 05 13 16-0148	MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,989.81	2,406.10
26 05 13 16-0149	MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	15,981.95	2,462.28
26 05 13 16-0150	MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	21,617.47	2,626.36
26 05 13 16-0151	Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0085)		
	Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152	Galvanized Steel Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0153	LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	62.50	17.92
26 05 13 16-0154	LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	73.67	19.09
26 05 13 16-0155	Aluminum Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0156	LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	62.50	17.92
26 05 13 16-0157	LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	73.67	19.09
26 05 13 16-0158	Type URD, 15 KV Primary Concentric UD Cable (26 05 13 16-0085)		
	Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,482.84	1,175.05
26 05 13 16-0160	MLF #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,296.72	1,283.04
26 05 13 16-0161	MLF #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,314.28	1,449.64
26 05 13 16-0162	MLF 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,173.47	1,781.15
26 05 13 16-0163	MLF 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,305.81	2,005.19
26 05 13 16-0164	MLF 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	11,419.36	2,232.39
26 05 13 16-0165	MLF 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	12,829.85	2,498.95
26 05 13 16-0166	15 KV, URD Copper Cable, Direct Burial (26 05 13 16-0085)		
26 05 13 16-0167	MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	19,928.84	
26 05 13 16-0168	Wire Connections (26 05 13 16-0001)		
26 05 13 16-0169	Medium Voltage Up To 5 KV (26 05 13 16-0169)		
26 05 13 16-0170	Shielded One Conductor Cable Splice (26 05 13 16-0169)		
26 05 13 16-0171	EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	469.56	153.82
26 05 13 16-0172	EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	626.61	153.82
26 05 13 16-0173	EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	626.61	153.82
26 05 13 16-0174	EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	672.39	184.58
26 05 13 16-0175	EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	672.39	184.58
26 05 13 16-0176	EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	672.39	184.58
26 05 13 16-0177	EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	733.44	215.35
26 05 13 16-0178	EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	733.44	215.35
26 05 13 16-0179	EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	733.44	215.35
26 05 13 16-0180	Cable Termination Without Stress Cone (26 05 13 16-0169)		
26 05 13 16-0181	EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	699.58	184.58
26 05 13 16-0182	EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	807.45	215.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0183				Cable Termination With Stress Cone <small>(26 05 13 16-0169)</small>		
	26 05 13 16-0184	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,082.12	369.17
	26 05 13 16-0185	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,862.35	507.62
26 05 13 16-0186				Connect To Pothead, Pothead Included <small>(26 05 13 16-0169)</small>		
	26 05 13 16-0187	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,176.97	369.17
	26 05 13 16-0188	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	2,786.32	423.01
26 05 13 16-0189				Two Conductor Pothead <small>(26 05 13 16-0169)</small>		
				Note: Includes 5 KV pothead.		
	26 05 13 16-0190	EA		#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,596.88	507.62
	26 05 13 16-0191	EA		250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,138.95	646.05
	26 05 13 16-0192	EA		400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,262.48	732.50
	26 05 13 16-0193	EA		750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	5,304.14	854.63
	26 05 13 16-0194	EA		1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,753.72	1,281.80
26 05 13 16-0195				Three Conductor Pothead <small>(26 05 13 16-0169)</small>		
				Note: Includes 5 KV pothead.		
	26 05 13 16-0196	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	6,471.13	738.35
	26 05 13 16-0197	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	7,086.10	861.40
26 05 13 16-0198				Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
				Note: For bare wire.		
	26 05 13 16-0199	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire	98.55	
	26 05 13 16-0200	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire	108.97	
	26 05 13 16-0201	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire	127.05	
	26 05 13 16-0202	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire	143.79	
	26 05 13 16-0203	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire	162.40	
	26 05 13 16-0204	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire	180.28	
	26 05 13 16-0205	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire	197.85	
	26 05 13 16-0206	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire	216.68	
	26 05 13 16-0207	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire	234.75	
	26 05 13 16-0208	EA		250 MCM Crimp Compression Connection For Bare Copper Wire	253.39	
	26 05 13 16-0209	EA		300 MCM Crimp Compression Connection For Bare Copper Wire	272.78	
	26 05 13 16-0210	EA		350 MCM Crimp Compression Connection For Bare Copper Wire	290.39	
	26 05 13 16-0211	EA		400 MCM Crimp Compression Connection For Bare Copper Wire	328.68	
	26 05 13 16-0212	EA		500 MCM Crimp Compression Connection For Bare Copper Wire	368.73	
26 05 13 16-0213				Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
				Note: For bare wire.		
	26 05 13 16-0214	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire	101.93	
	26 05 13 16-0215	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire	110.84	
	26 05 13 16-0216	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire	149.96	
	26 05 13 16-0217	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire	178.10	
	26 05 13 16-0218	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	195.09	
	26 05 13 16-0219	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	212.00	
	26 05 13 16-0220	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	233.11	
	26 05 13 16-0221	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	252.13	
	26 05 13 16-0222	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire	270.35	
	26 05 13 16-0223	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire	289.36	
	26 05 13 16-0224	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire	307.80	
	26 05 13 16-0225	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire	353.62	
	26 05 13 16-0226	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire	399.85	
26 05 13 16-0227				15 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0228				Single Conductor Pothead On Racks <small>(26 05 13 16-0227)</small>		
				Note: Includes pothead.		
	26 05 13 16-0229	EA		#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,940.79	646.05
	26 05 13 16-0230	EA		250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,475.74	799.88
26 05 13 16-0231				Two Conductor Pothead On Rack <small>(26 05 13 16-0227)</small>		
				Note: Includes pothead.		
	26 05 13 16-0232	EA		#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	2,860.79	984.46
	26 05 13 16-0233	EA		250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,439.57	1,169.04
26 05 13 16-0234				Three Conductor Pothead On Rack <small>(26 05 13 16-0227)</small>		
				Note: Includes pothead.		
	26 05 13 16-0235	EA		#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,653.41	1,276.72
	26 05 13 16-0236	EA		250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,551.49	1,599.74

26 Electrical
26 05 Common Work Results for Electrical
26 05 13 Medium-Voltage Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0237 Stress Relief Cone On Rack (26 05 13 16-0227)		
26 05 13 16-0238 EA #2 To 4/0 AWG Stress Relief Cone, On Rack	1,826.19	646.05
26 05 13 16-0239 EA 250 To 500 MCM Stress Relief Cone, On Rack	2,346.90	799.88
26 05 13 16-0240 Grounded, Shielded Cable Splice (26 05 13 16-0227)		
26 05 13 16-0241 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,259.84	476.84
26 05 13 16-0242 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,614.33	615.28
26 05 13 16-0243 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	7,714.33	1,692.04
26 05 13 16-0244 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	9,894.63	1,845.86
26 05 13 16-0245 Cable Termination (26 05 13 16-0227)		
26 05 13 16-0246 EA #2 To 3/0 AWG Cable Termination 15 KV	834.18	269.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.51	
26 05 13 16-0247 EA 4/0 To 250 MCM Cable Termination 15 KV	1,054.11	346.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	207.66	
26 05 13 16-0248 EA 350 To 500 MCM Cable Termination 15 KV	1,306.62	423.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	253.81	
26 05 13 16-0249 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV	530.78	153.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.30	
26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0227)		
26 05 13 16-0251 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,060.06	199.97
26 05 13 16-0252 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,207.17	221.02
26 05 13 16-0253 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,432.94	241.87
26 05 13 16-0254 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	1,841.91	278.67
26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 16-0227)		
26 05 13 16-0256 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,120.15	400.62
26 05 13 16-0257 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,414.63	442.02
26 05 13 16-0258 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	2,847.95	474.76
26 05 13 16-0259 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	3,683.82	557.32
26 05 13 16-0260 35 KV (26 05 13 16-0168)		
26 05 13 16-0261 35 KV One Conductor Splice (26 05 13 16-0260)		
26 05 13 16-0262 EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,147.57	
26 05 13 16-0263 Cable Termination (26 05 13 16-0260)		
26 05 13 16-0264 EA #2 To 3/0 AWG Cable Termination, 35 KV	726.37	184.74
26 05 13 16-0265 EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination	994.08	278.73
26 05 13 16-0266 EA 350 To 500 MCM Cable Termination 35 KV	1,152.06	298.11
26 05 13 16-0267 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	576.92	153.82
26 05 13 16-0268 70 KV (26 05 13 16-0168)		
26 05 13 16-0269 Cable Splice (26 05 13 16-0268)		
26 05 13 16-0270 EA 350 MCM, 70 KV, Cable Splicing	16,448.71	
26 05 13 16-0271 EA #2 To 4/0, 70 KV, Cable Splicing	3,263.50	
26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)		
26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)		
26 05 19 13-0001 Under Carpet Power System (26 05 19 13)		
Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002 LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.56	0.70
26 05 19 13-0003 LF Steel, Top Shield	14.09	0.70
26 05 19 13-0004 EA 3-Conductor, Splice	40.57	11.94
26 05 19 13-0005 EA Splice Top Shield For 3 Conductor	12.61	5.62
26 05 19 13-0006 EA 3-Conductor, Tap	50.22	14.06
26 05 19 13-0007 EA Insulating Patch, Splice Tap And End	74.18	11.94
26 05 19 13-0008 EA 3-Conductor, Transition Block Assembly	48.08	7.02
26 05 19 13-0009 EA Single, Direct Connected, Receptacle With Box	145.53	22.49
26 05 19 13-0010 EA Dual, Direct Connected, Receptacle With Box	241.57	35.14
26 05 19 13-0011 EA Floor Mounted Box With Cover	237.87	28.11
26 05 19 13-0012 LF 5-Conductor, #12 Cable With Attached Bottom Shield	10.28	0.70
26 05 19 13-0013 LF Steel, Top Shield For 5-Conductor Cable	10.20	0.70
26 05 19 13-0014 EA 5-Conductor, Splice	41.04	11.94
26 05 19 13-0015 EA 5-Conductor, Transition Block Assembly	62.67	7.02
26 05 19 13-0016 EA Box, Wall, Flush With Cover	113.21	28.11
26 05 19 13-0017 EA Telephone, Transition Fitting Wall Box	76.55	23.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 13-0018 EA RJ-45, Telephone Fitting With Duplex Jack And Cover	99.16	26.70
26 05 19 13-0019 EA Miniature Telephone With Duplex RJ-45	42.28	10.54
26 05 19 13-0020 LF 4-Pair, Level 5, Under Carpet Telephone Wire	2.49	0.70
26 05 19 13-0021 EA BNC, Coax Plug, Connector	36.07	14.06
26 05 19 13-0022 EA TNC, Coax Plug, Connector	36.07	14.06
26 05 19 13-0023 CLF Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	188.17	70.27
 26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)		
26 05 19 16-0001 Cable Installation Methods (26 05 19 16)		
26 05 19 16-0002 Pull Cord (26 05 19 16-0001) Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit	0.48	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits	0.25	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.79	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.49	
 26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001) Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand	3.20	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand	4.08	
26 05 19 16-0010 EA Boring Minimum Set-Up Charge	448.56	
Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
 26 05 19 16-0011 Wire and Cable (26 05 19 16) Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0012 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)		
26 05 19 16-0013 Multi-Conductor Cords (26 05 19 16-0012) Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014 Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0013) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0015 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0014)		
26 05 19 16-0016 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0017 LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.40	0.61
26 05 19 16-0018 LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.44	0.61
26 05 19 16-0019 LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.57	0.61
 26 05 19 16-0020 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0021 LF 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.62	0.61
26 05 19 16-0022 LF 3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.70	0.61
26 05 19 16-0023 LF 4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.81	0.61
 26 05 19 16-0024 #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0025 LF 2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.77	0.61
26 05 19 16-0026 LF 3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.89	0.61
26 05 19 16-0027 LF 4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.14	0.61
 26 05 19 16-0028 #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0029 LF 2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.98	0.61
26 05 19 16-0030 LF 3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.13	0.61
26 05 19 16-0031 LF 4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.34	0.61
 26 05 19 16-0032 #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0033 LF 2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.48	0.77
26 05 19 16-0034 LF 3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.59	0.77
26 05 19 16-0035 LF 4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.74	0.77

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0036			600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0037			#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0038	LF		2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.44	0.61
26 05 19 16-0039	LF		3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.53	0.61
26 05 19 16-0040	LF		4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.65	0.61
26 05 19 16-0041	LF		5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.68	0.83
26 05 19 16-0042	LF		6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.90	0.85
26 05 19 16-0043	LF		7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.06	0.88
26 05 19 16-0044	LF		8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.33	0.90
26 05 19 16-0045	LF		10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.77	0.94
26 05 19 16-0046	LF		12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.24	0.97
26 05 19 16-0047	LF		14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.44	0.99
26 05 19 16-0048	LF		16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.55	1.01
26 05 19 16-0049	LF		18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.70	1.04
26 05 19 16-0050	LF		20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.29	1.06
26 05 19 16-0051	LF		24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.78	1.08
26 05 19 16-0052	LF		30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.13	1.15
26 05 19 16-0053			#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0054	LF		2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.70	0.61
26 05 19 16-0055	LF		3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.78	0.61
26 05 19 16-0056	LF		4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.93	0.61
26 05 19 16-0057	LF		5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.78	0.83
26 05 19 16-0058	LF		6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.03	0.85
26 05 19 16-0059	LF		7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.28	0.88
26 05 19 16-0060	LF		8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.60	0.90
26 05 19 16-0061	LF		9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.74	0.92
26 05 19 16-0062	LF		10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.10	0.94
26 05 19 16-0063	LF		12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.71	0.97
26 05 19 16-0064	LF		14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.03	0.99
26 05 19 16-0065	LF		16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.63	1.01
26 05 19 16-0066	LF		18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.43	1.04
26 05 19 16-0067	LF		20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.16	1.06
26 05 19 16-0068	LF		24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.53	1.08
26 05 19 16-0069	LF		26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.34	1.11
26 05 19 16-0070	LF		30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.81	1.15
26 05 19 16-0071			#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0072	LF		2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.91	0.61
26 05 19 16-0073	LF		3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.00	0.61
26 05 19 16-0074	LF		4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.22	0.61
26 05 19 16-0075	LF		5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.47	0.83
26 05 19 16-0076	LF		6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.08	0.85
26 05 19 16-0077	LF		7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.30	0.88
26 05 19 16-0078	LF		8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.80	0.90
26 05 19 16-0079	LF		9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.13	0.92
26 05 19 16-0080	LF		10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.68	0.94
26 05 19 16-0081	LF		12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.21	0.97
26 05 19 16-0082	LF		14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.81	0.99
26 05 19 16-0083	LF		16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.09	1.01
26 05 19 16-0084	LF		20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.05	1.06
26 05 19 16-0085	LF		24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.56	1.08
26 05 19 16-0086	LF		30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.43	1.15



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 19 16-0087	#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
	26 05 19 16-0088	LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.14	0.61
	26 05 19 16-0089	LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.31	0.61
	26 05 19 16-0090	LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.47	0.61
	26 05 19 16-0091	LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.91	0.83
	26 05 19 16-0092	LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.48	0.85
	26 05 19 16-0093	LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.05	0.88
	26 05 19 16-0094	LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.68	0.90
	26 05 19 16-0095	LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.13	0.92
	26 05 19 16-0096	LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.88	0.94
	26 05 19 16-0097	LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.77	0.97
	26 05 19 16-0098	LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.60	0.99
	26 05 19 16-0099	LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.44	1.01
	26 05 19 16-0100	LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.84	1.04
	26 05 19 16-0101	LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.27	1.06
	26 05 19 16-0102	LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.73	1.08
	26 05 19 16-0103	LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.21	1.11
	26 05 19 16-0104	LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.69	1.13
	26 05 19 16-0105	LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.21	1.15
	26 05 19 16-0106	#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
	26 05 19 16-0107	LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.44	0.77
	26 05 19 16-0108	LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.58	0.77
	26 05 19 16-0109	LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.73	0.77
	26 05 19 16-0110	LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.44	0.83
	26 05 19 16-0111	LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.37	0.85
	26 05 19 16-0112	LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.25	0.88
	26 05 19 16-0113	LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.94	0.94
	26 05 19 16-0114	LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.04	0.97
	26 05 19 16-0115	LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.41	1.01
	26 05 19 16-0116	LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.38	1.06
	26 05 19 16-0117	#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
	26 05 19 16-0118	LF 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.60	0.92
	26 05 19 16-0119	LF 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.97	1.07
	26 05 19 16-0120	LF 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.57	1.07
	26 05 19 16-0121	#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
	26 05 19 16-0122	LF 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.38	1.07
	26 05 19 16-0123	LF 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.68	1.23
	26 05 19 16-0124	LF 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.22	1.54
	26 05 19 16-0125	#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
	26 05 19 16-0126	LF 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.05	1.54
	26 05 19 16-0127	LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.98	1.69
	26 05 19 16-0128	LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.16	1.84
	26 05 19 16-0129	#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
	26 05 19 16-0130	LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.61	3.08
	26 05 19 16-0131	LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.82	3.85
	26 05 19 16-0132	LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	24.31	5.08
	26 05 19 16-0133	300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
	26 05 19 16-0134	#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0135 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.81	0.61
26 05 19 16-0136 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.95	0.61
26 05 19 16-0137 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.22	0.61
26 05 19 16-0138 #16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0139 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.90	0.61
26 05 19 16-0140 LF 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.12	0.61
26 05 19 16-0141 LF 4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.23	0.61
26 05 19 16-0142 #14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0143 LF 2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.46	0.61
26 05 19 16-0144 LF 3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.36	0.61
26 05 19 16-0145 LF 4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	4.22	0.77
26 05 19 16-0146 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0147 #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0148 LF 2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.39	0.61
26 05 19 16-0149 LF 3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.77	0.61
26 05 19 16-0150 LF 4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.16	0.61
26 05 19 16-0151 #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0152 LF 2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.52	0.61
26 05 19 16-0153 LF 3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.91	0.61
26 05 19 16-0154 LF 4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.52	0.61
26 05 19 16-0155 LF 5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.82	0.77
26 05 19 16-0156 #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0157 LF 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.00	0.61
26 05 19 16-0158 LF 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.50	0.61
26 05 19 16-0159 LF 5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.90	0.77
26 05 19 16-0160 #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0161 LF 3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.47	0.61
26 05 19 16-0162 LF 4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.91	0.61
26 05 19 16-0163 LF 5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.36	0.77
26 05 19 16-0164 #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0165 LF 3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.96	0.77
26 05 19 16-0166 LF 4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.35	0.77
26 05 19 16-0167 LF 5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.76	0.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0168 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0013)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0168)</small>		
26 05 19 16-0170 #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0171 LF 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.92	0.61
26 05 19 16-0172 LF 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.07	0.61
26 05 19 16-0173 LF 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.95	0.77
26 05 19 16-0174 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0175 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.38	0.61
26 05 19 16-0176 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.67	0.61
26 05 19 16-0177 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.68	0.77
26 05 19 16-0178 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0179 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.85	0.61
26 05 19 16-0180 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.22	0.61
26 05 19 16-0181 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.99	0.77
26 05 19 16-0182 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0183 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.54	0.77
26 05 19 16-0184 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.99	0.77
26 05 19 16-0185 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.25	0.77
26 05 19 16-0186 Multi-Conductor Type W Cord <small>(26 05 19 16-0013)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0186)</small>		
26 05 19 16-0188 #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0189 LF 3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.98	0.92
26 05 19 16-0190 LF 4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.33	1.07
26 05 19 16-0191 LF 5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.22	1.07
26 05 19 16-0192 #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0193 LF 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.37	1.07
26 05 19 16-0194 LF 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.38	1.23
26 05 19 16-0195 LF 5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.91	1.54
26 05 19 16-0196 #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0197 LF 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.03	1.07
26 05 19 16-0198 LF 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.30	1.23
26 05 19 16-0199 LF 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	10.59	1.54
26 05 19 16-0200 Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0012)</small>		
26 05 19 16-0201 Cord Grips <small>(26 05 19 16-0200)</small>		
26 05 19 16-0202 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	96.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.97	
26 05 19 16-0203 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	97.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.97	
26 05 19 16-0204 Cable Reels <small>(26 05 19 16-0200)</small> Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0205 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	681.18	76.91
26 05 19 16-0206 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,814.27	76.91
26 05 19 16-0207 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,366.37	76.91
26 05 19 16-0208 Extension Cords For Cable Reel <small>(26 05 19 16-0200)</small>		
26 05 19 16-0209 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	214.20	
26 05 19 16-0210 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	301.06	
26 05 19 16-0211 Plugs And Connector Bodies <small>(26 05 19 16-0200)</small> Note: Up to 277 volt		
26 05 19 16-0212 NEMA Twist-Lock Plugs <small>(26 05 19 16-0211)</small>		
26 05 19 16-0213 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	96.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0214 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	97.66	
26 05 19 16-0215 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	91.42	
26 05 19 16-0216 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	95.99	
26 05 19 16-0217 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	117.41	
26 05 19 16-0218 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	123.22	
26 05 19 16-0219 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	128.90	
26 05 19 16-0220 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	118.28	
26 05 19 16-0221 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	132.23	
26 05 19 16-0222 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	134.95	
26 05 19 16-0223 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	138.41	
26 05 19 16-0224 NEMA Twist-Lock Connector Bodies <small>(26 05 19 16-0211)</small>		
26 05 19 16-0225 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	100.37	
26 05 19 16-0226 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	105.62	
26 05 19 16-0227 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	94.57	
26 05 19 16-0228 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	118.28	
26 05 19 16-0229 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	133.59	
26 05 19 16-0230 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	141.00	
26 05 19 16-0231 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	165.95	
26 05 19 16-0232 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	159.65	
26 05 19 16-0233 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	190.89	
26 05 19 16-0234 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	199.17	
26 05 19 16-0235 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	190.15	
26 05 19 16-0236 Watertight Pin And Sleeve Plug <small>(26 05 19 16-0211)</small>		
26 05 19 16-0237 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	285.26	46.15
26 05 19 16-0238 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	288.06	46.15
26 05 19 16-0239 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	309.79	46.15
26 05 19 16-0240 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	312.48	50.76
26 05 19 16-0241 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	308.26	50.76
26 05 19 16-0242 EA 20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	309.52	50.76
26 05 19 16-0243 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	428.62	56.76
26 05 19 16-0244 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	418.12	56.76
26 05 19 16-0245 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	463.21	56.76
26 05 19 16-0246 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	458.23	62.30
26 05 19 16-0247 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	440.00	62.30
26 05 19 16-0248 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	452.54	62.30
26 05 19 16-0249 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	580.80	73.84
26 05 19 16-0250 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	590.80	73.84
26 05 19 16-0251 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	567.09	73.84
26 05 19 16-0252 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	644.89	82.14
26 05 19 16-0253 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	629.33	82.14
26 05 19 16-0254 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	636.06	82.14
26 05 19 16-0255 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	792.72	92.29
26 05 19 16-0256 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	831.34	92.29
26 05 19 16-0257 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	816.04	101.53
26 05 19 16-0258 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	802.85	101.53
26 05 19 16-0259 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	809.98	101.53
26 05 19 16-0260 Watertight Pin And Sleeve Connector <small>(26 05 19 16-0211)</small>		
26 05 19 16-0261 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	301.36	46.15
26 05 19 16-0262 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	303.29	46.15
26 05 19 16-0263 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	353.34	46.15
26 05 19 16-0264 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	353.03	50.76
26 05 19 16-0265 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	347.95	50.76
26 05 19 16-0266 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	352.55	50.76
26 05 19 16-0267 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	438.23	56.76
26 05 19 16-0268 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	438.13	56.76
26 05 19 16-0269 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	455.39	56.76
26 05 19 16-0270 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	453.55	62.30
26 05 19 16-0271 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	457.10	62.30
26 05 19 16-0272 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	453.35	62.30
26 05 19 16-0273 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	679.44	73.84
26 05 19 16-0274 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	658.30	73.84
26 05 19 16-0275 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	645.71	73.84
26 05 19 16-0276 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	703.60	82.14
26 05 19 16-0277 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	721.98	82.14
26 05 19 16-0278 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	723.33	82.14
26 05 19 16-0279 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	900.92	92.29
26 05 19 16-0280 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	925.16	92.29
26 05 19 16-0281 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	1,000.58	101.53
26 05 19 16-0282 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	967.28	101.53
26 05 19 16-0283 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	978.63	101.53
26 05 19 16-0284 Accessories <small>(26 05 19 16-0200)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0285 EA 1/2" Straight Steel Cord Connector.....	68.76	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 19 16-0286 EA 1/2" Straight Nylon Cord Connector.....	42.07	11.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 19 16-0287 EA 1/2" 90 Degree Steel Cord Connector.....	79.30	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 19 16-0288 EA 1/2" 90 Degree Nylon Cord Connector.....	51.18	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 19 16-0289 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	78.36	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 19 16-0290 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	131.92	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.85	
26 05 19 16-0291 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	50.45	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 19 16-0292 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	82.76	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 19 16-0293 EA 3/4" Straight Steel Cord Connector.....	71.44	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 19 16-0294 EA 3/4" Straight Nylon Cord Connector.....	43.42	11.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 19 16-0295 EA 3/4" 90 Degree Steel Cord Connector.....	87.66	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 19 16-0296 EA 3/4" 90 Degree Nylon Cord Connector.....	55.36	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 19 16-0297 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	88.85	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.84	
26 05 19 16-0298 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	105.50	26.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.15	
26 05 19 16-0299 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	60.96	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 19 16-0300 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	73.58	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.85	
26 05 19 16-0301 EA 1" Straight Steel Cord Connector.....	88.59	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 19 16-0302 EA 1" Straight Nylon Cord Connector.....	52.00	11.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 19 16-0303 EA 1" 90 Degree Steel Cord Connector.....	98.99	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 19 16-0304 EA 1" 90 Degree Nylon Cord Connector.....	61.03	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 19 16-0305 EA 1" Straight Steel Cord Connector With Strain Relief Mesh.....	106.87	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.84	
26 05 19 16-0306 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	117.40	26.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.15	
26 05 19 16-0307 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh.....	70.11	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 19 16-0308 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	81.31	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.85	
26 05 19 16-0309 600 Volt Wire (26 05 19 16-0011)		
26 05 19 16-0310 Single Solid Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0311 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	825.66	341.11
26 05 19 16-0312 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,027.89	401.27
26 05 19 16-0313 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,262.57	490.66
26 05 19 16-0314 MLF #14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,051.30	341.11
26 05 19 16-0315 MLF #12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,265.34	401.27
26 05 19 16-0316 MLF #10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,509.60	490.66
26 05 19 16-0317 Power Cable, Stranded Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0318 Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0317)		
26 05 19 16-0319 MLF #16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	860.94	281.10
26 05 19 16-0320 MLF #14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,018.21	337.33
26 05 19 16-0321 MLF #12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,246.08	393.55
26 05 19 16-0322 MLF #10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,521.60	449.76
26 05 19 16-0323 MLF #8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,015.57	562.21
26 05 19 16-0324 MLF #6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,695.26	674.64
26 05 19 16-0325 MLF #4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,663.66	843.31
26 05 19 16-0326 MLF #3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,321.03	955.75
26 05 19 16-0327 MLF #2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,095.73	1,068.19
26 05 19 16-0328 MLF #1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,270.24	1,180.64
26 05 19 16-0329 MLF 1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	7,501.02	1,349.29
26 05 19 16-0330 MLF 2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,953.51	1,517.95
26 05 19 16-0331 MLF 3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	10,674.58	1,686.62
26 05 19 16-0332 MLF 4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,737.80	1,855.28
26 05 19 16-0333 MLF 250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	13,517.87	2,023.94
26 05 19 16-0334 MLF 300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,961.27	2,192.60
26 05 19 16-0335 MLF 350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	17,034.29	2,361.26
26 05 19 16-0336 MLF 400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	19,017.74	2,529.92
26 05 19 16-0337 MLF 500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	21,946.42	2,698.59

26 Electrical
26 05 Common Work Results for Electrical
26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19	16-0338	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	25,214.55	2,923.47
26 05 19	16-0339	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	37,943.05	3,260.79
26 05 19	16-0340	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	53,266.24	3,823.00
26 05 19 16-0341 Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0317)					
26 05 19	16-0342	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,036.41	674.50
26 05 19	16-0343	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,492.41	787.23
26 05 19	16-0344	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,089.11	955.75
26 05 19	16-0345	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,648.46	1,039.65
26 05 19	16-0346	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,964.73	1,096.16
26 05 19	16-0347	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,595.13	1,208.46
26 05 19	16-0348	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,323.79	1,259.62
26 05 19	16-0349	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,542.32	1,377.40
26 05 19	16-0350	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,103.50	1,462.02
26 05 19	16-0351	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,836.09	1,855.42
26 05 19	16-0352	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	13,358.29	2,754.81
26 05 19	16-0353	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,492.48	787.23
26 05 19	16-0354	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,176.18	955.75
26 05 19	16-0355	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,859.88	1,124.41
26 05 19	16-0356	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,323.22	1,011.55
26 05 19	16-0357	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,281.06	1,235.73
26 05 19	16-0358	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,524.89	1,574.46
26 05 19	16-0359	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,444.73	2,024.64
26 05 19	16-0360	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	10,040.37	2,586.28
26 05 19	16-0361	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,101.41	1,152.52
26 05 19	16-0362	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,203.39	1,349.29
26 05 19	16-0363	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,727.03	1,714.73
26 05 19	16-0364	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,250.11	1,293.07
26 05 19	16-0365	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,031.65	1,602.28
26 05 19	16-0366	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,974.96	1,976.15
26 05 19	16-0367	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,032.78	1,568.83
26 05 19	16-0368	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,152.30	1,794.42
26 05 19	16-0369	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,819.65	2,239.27
26 05 19	16-0370	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,627.80	1,910.94
26 05 19	16-0371	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,618.07	2,136.94
26 05 19	16-0372	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,728.54	2,811.02
26 05 19	16-0373	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,701.32	2,698.17
26 05 19	16-0374	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	21,704.15	3,371.83
26 05 19	16-0375	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	19,693.30	2,924.03
26 05 19	16-0376	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	23,905.37	3,371.83
26 05 19	16-0377	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	29,208.47	3,933.75
26 05 19	16-0378	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	38,476.32	5,057.74
26 05 19	16-0379	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	35,552.58	4,501.44
26 05 19	16-0380	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	38,018.21	5,057.74
26 05 19	16-0381	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	47,448.47	5,622.06
26 05 19	16-0382	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	61,047.19	6,178.92
26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper					
<i>(26 05 19 16-0309)</i>					
Note: Direct bury.					
26 05 19	16-0384	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,229.31	
26 05 19	16-0385	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,446.56	
26 05 19	16-0386	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,810.67	
26 05 19	16-0387	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,380.49	
26 05 19	16-0388	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,324.81	
26 05 19	16-0389	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,376.75	
26 05 19	16-0390	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,316.13	
26 05 19	16-0391	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,845.43	
26 05 19	16-0392	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,615.43	
26 05 19	16-0393	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,641.45	
26 05 19	16-0394	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,021.81	
26 05 19	16-0395	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,835.70	
26 05 19	16-0396	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,149.95	
26 05 19	16-0397	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,513.00	
26 05 19	16-0398	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,926.99	
26 05 19	16-0399	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,748.19	
26 05 19	16-0400	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	30,471.28	
26 05 19	16-0401	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	35,970.95	
26 05 19	16-0402	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	57,048.52	
26 05 19	16-0403	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,011.12	
26 05 19	16-0404	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,208.47	
26 05 19	16-0405	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,439.52	
26 05 19	16-0406	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,769.37	
26 05 19	16-0407	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,258.96	
26 05 19	16-0408	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,985.30	
26 05 19	16-0409	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,026.64	
26 05 19	16-0410	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,735.44	
26 05 19	16-0411	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,364.78	
26 05 19	16-0412	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,045.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0413 MLF 3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,998.47	
26 05 19 16-0414 MLF 4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,138.45	
26 05 19 16-0415 MLF 250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,203.50	
26 05 19 16-0416 MLF 300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,323.69	
26 05 19 16-0417 MLF 350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,534.57	
26 05 19 16-0418 MLF 400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,784.88	
26 05 19 16-0419 MLF 500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,804.75	
26 05 19 16-0420 MLF 750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,325.49	
26 05 19 16-0421 MLF #14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	849.99	
26 05 19 16-0422 MLF #12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,053.96	
26 05 19 16-0423 MLF #10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,300.29	
26 05 19 16-0424 MLF #8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,815.78	
26 05 19 16-0425 MLF #6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,456.78	
26 05 19 16-0426 MLF #4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,230.73	
26 05 19 16-0427 MLF #2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,598.19	
26 05 19 16-0428 MLF #1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,463.83	
26 05 19 16-0429 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,355.25	
26 05 19 16-0430 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,202.48	
26 05 19 16-0431 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,518.76	
26 05 19 16-0432 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,129.45	
26 05 19 16-0433 MLF 250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,869.35	
26 05 19 16-0434 MLF 300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,680.84	
26 05 19 16-0435 MLF 350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,625.54	
26 05 19 16-0436 MLF 400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,503.04	
26 05 19 16-0437 MLF 500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,733.18	
26 05 19 16-0438 MLF 600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,882.88	
26 05 19 16-0439 MLF 750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	39,069.15	
26 05 19 16-0440 MLF #2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,546.21	
26 05 19 16-0441 MLF 1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,329.52	
26 05 19 16-0442 MLF 2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,365.78	
26 05 19 16-0443 MLF 3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,759.86	
26 05 19 16-0444 MLF 4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,062.58	
26 05 19 16-0445 MLF 250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,086.32	
26 05 19 16-0446 MLF 350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,995.90	
26 05 19 16-0447 MLF 400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,724.37	
26 05 19 16-0448 MLF 500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,706.78	
26 05 19 16-0449 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0309)		
26 05 19 16-0450 ACTHH, Solid (26 05 19 16-0449)		
26 05 19 16-0451 MLF 1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	3,304.44	922.93
26 05 19 16-0452 MLF 1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	3,811.51	1,045.98
26 05 19 16-0453 MLF 1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	4,363.24	1,107.51
26 05 19 16-0454 MLF 2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,761.16	1,538.21
26 05 19 16-0455 MLF 2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	5,099.66	1,722.49
26 05 19 16-0456 MLF 2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	6,462.10	1,908.46
26 05 19 16-0457 MLF 2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	8,454.53	2,092.74
26 05 19 16-0458 MLF 3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	5,760.07	1,722.49
26 05 19 16-0459 MLF 3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	6,032.25	1,908.46
26 05 19 16-0460 MLF 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	7,719.56	2,154.43
26 05 19 16-0461 MLF 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	10,037.24	2,337.78
26 05 19 16-0462 MLF 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	6,871.42	1,908.46
26 05 19 16-0463 MLF 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	7,528.30	2,154.43
26 05 19 16-0464 MLF 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	9,586.50	2,399.77
26 05 19 16-0465 MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	12,446.43	2,585.28
26 05 19 16-0466 ACTHH, Stranded (26 05 19 16-0449)		
26 05 19 16-0467 MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	8,763.63	2,216.42
26 05 19 16-0468 MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	10,693.50	2,521.60
26 05 19 16-0469 MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	10,345.82	2,461.14
26 05 19 16-0470 MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	12,987.77	2,766.64
26 05 19 16-0471 MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	16,453.15	3,076.43
26 05 19 16-0472 MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	18,922.60	3,380.69
26 05 19 16-0473 MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	21,691.08	3,688.79
26 05 19 16-0474 MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	13,364.42	2,952.45
26 05 19 16-0475 MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	16,193.98	3,258.86

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0476 MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	20,859.74	3,568.97
26 05 19 16-0477 MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	22,862.11	3,874.61
26 05 19 16-0478 MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	27,143.94	4,179.94
26 05 19 16-0479 HCFC, Solid <small>(26 05 19 16-0449)</small>		
26 05 19 16-0480 MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,336.29	1,538.21
26 05 19 16-0481 MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,840.88	1,728.33
26 05 19 16-0482 MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	6,530.05	1,899.08
26 05 19 16-0483 MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,474.68	1,728.33
26 05 19 16-0484 MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,944.78	1,899.08
26 05 19 16-0485 MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	9,096.54	2,166.58
26 05 19 16-0486 MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	7,964.98	1,899.08
26 05 19 16-0487 MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	8,698.68	2,166.58
26 05 19 16-0488 MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	11,915.51	2,403.46
26 05 19 16-0489 MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0490 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,497.67	1,538.21
26 05 19 16-0491 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,030.10	1,728.33
26 05 19 16-0492 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,933.58	1,899.08
26 05 19 16-0493 MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,335.72	2,029.37
26 05 19 16-0494 MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,896.39	2,151.35
26 05 19 16-0495 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,164.25	1,728.33
26 05 19 16-0496 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,794.46	1,899.08
26 05 19 16-0497 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,207.43	2,166.58
26 05 19 16-0498 MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,064.93	2,337.78
26 05 19 16-0499 MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,467.35	2,521.60
26 05 19 16-0500 MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,693.38	2,708.18
26 05 19 16-0501 MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,020.58	2,891.38
26 05 19 16-0502 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,921.41	1,899.08
26 05 19 16-0503 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,777.89	2,166.58
26 05 19 16-0504 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,695.90	2,403.46
26 05 19 16-0505 MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,767.47	2,647.58
26 05 19 16-0506 MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,352.25	2,832.78
26 05 19 16-0507 MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	19,807.74	3,016.13
26 05 19 16-0508 MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	25,153.95	3,197.95
26 05 19 16-0509 MC, Solid Or Stranded, Aluminum Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0510 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,468.80	1,538.21
26 05 19 16-0511 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,955.25	1,728.33
26 05 19 16-0512 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,867.38	1,899.08
26 05 19 16-0513 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,284.81	1,728.33
26 05 19 16-0514 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,727.96	1,899.08
26 05 19 16-0515 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,154.84	2,166.58
26 05 19 16-0516 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,494.59	1,899.08
26 05 19 16-0517 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,193.32	2,166.58
26 05 19 16-0518 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	9,695.90	2,403.46
26 05 19 16-0519 FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0449)</small>		
Note: Color coded red.		
26 05 19 16-0520 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,611.47	1,169.04
26 05 19 16-0521 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,244.04	1,353.63
26 05 19 16-0522 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,461.86	1,538.21
26 05 19 16-0523 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	7,400.21	1,722.81
26 05 19 16-0524 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,255.18	1,353.63
26 05 19 16-0525 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	6,194.55	1,538.21
26 05 19 16-0526 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,721.17	1,722.81
26 05 19 16-0527 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,768.88	1,907.39
26 05 19 16-0528 FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0449)</small>		
Note: Color coded red.		
26 05 19 16-0529 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,847.26	1,538.21
26 05 19 16-0530 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	7,208.84	1,722.81
26 05 19 16-0531 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	9,484.72	1,907.39
26 05 19 16-0532 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,963.75	2,091.97
26 05 19 16-0533 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	7,316.17	1,722.81
26 05 19 16-0534 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,896.46	1,907.39
26 05 19 16-0535 FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0449)</small>		
Note: Color coded red.		
26 05 19 16-0536 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,975.97	1,169.04
26 05 19 16-0537 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,931.77	1,722.81
26 05 19 16-0538 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	6,096.57	1,353.63
26 05 19 16-0539 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	7,184.78	1,538.21
26 05 19 16-0540 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,927.19	1,907.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0541 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	7,145.22	1,599.74
26 05 19 16-0542 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,791.24	1,845.86
26 05 19 16-0543 Armored Cable Connectors (26 05 19 16-0449)		
26 05 19 16-0544 EA 3/4" Armored Cable Connector	9.19	3.38
For Work In Restricted Working Space, Add	2.53	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.11	
For Elevated Installation >25' To 30', Add	2.95	
For Elevated Installation >30' To 35', Add	3.38	
For Elevated Installation >35' To 40', Add	4.22	
For Elevated Installation >40', Add	4.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.53	
26 05 19 16-0545 EA 1" Armored Cable Connector	12.26	4.50
For Work In Restricted Working Space, Add	3.37	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.25	
For Elevated Installation >20' To 25', Add	2.81	
For Elevated Installation >25' To 30', Add	3.93	
For Elevated Installation >30' To 35', Add	4.50	
For Elevated Installation >35' To 40', Add	5.62	
For Elevated Installation >40', Add	6.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 05 19 16-0546 EA 1-1/4" Armored Cable Connector	15.40	5.62
For Work In Restricted Working Space, Add	4.22	
For Elevated Installation >10' To 15', Add	1.41	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.52	
For Elevated Installation >25' To 30', Add	4.92	
For Elevated Installation >30' To 35', Add	5.62	
For Elevated Installation >35' To 40', Add	7.03	
For Elevated Installation >40', Add	7.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 19 16-0547 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0309)		
26 05 19 16-0548 MLF #14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,126.91	225.30
For EPR Insulation, Add	42.54	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	99.26	
26 05 19 16-0549 MLF #12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,272.96	249.48
For EPR Insulation, Add	43.37	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	101.19	
26 05 19 16-0550 MLF #10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,546.50	311.88
For EPR Insulation, Add	63.31	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	147.73	
26 05 19 16-0551 MLF #8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,099.43	496.14
For EPR Insulation, Add	104.09	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	242.87	
26 05 19 16-0552 MLF #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,852.66	595.37
For EPR Insulation, Add	174.91	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	408.11	
26 05 19 16-0553 MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,872.32	691.24
For EPR Insulation, Add	264.61	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	617.42	
26 05 19 16-0554 MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,416.72	791.17
For EPR Insulation, Add	304.10	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	709.57	
26 05 19 16-0555 MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,535.56	891.10
For EPR Insulation, Add	429.76	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,002.78	
26 05 19 16-0556 MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,822.76	992.43
For EPR Insulation, Add	580.68	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,354.92	
26 05 19 16-0557 MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,208.09	1,119.63
For EPR Insulation, Add	725.23	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,692.20	
26 05 19 16-0558 MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,872.40	1,241.63
For EPR Insulation, Add	911.63	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,127.13	
26 05 19 16-0559 MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,811.14	1,386.12
For EPR Insulation, Add	1,139.19	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,658.11	
26 05 19 16-0560 MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,311.19	1,541.15
For EPR Insulation, Add	1,300.95	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,035.55	
26 05 19 16-0561 MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,187.18	1,690.27
For EPR Insulation, Add	1,369.10	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,194.57	
26 05 19 16-0562 MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,692.93	1,858.09
For EPR Insulation, Add	1,681.71	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,924.00	

26 Electrical
26 05 Common Work Results for Electrical
26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0563 MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... For EPR Insulation, Add For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	18,600.60 1,904.62 4,444.10	1,969.83
26 05 19 16-0564 MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... For EPR Insulation, Add For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	20,811.95 2,173.07 5,070.50	2,201.59
26 05 19 16-0565 MLF 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... For EPR Insulation, Add For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	23,734.03 2,548.14 5,945.65	2,448.55
26 05 19 16-0566 MLF 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... For EPR Insulation, Add For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	27,730.96 3,063.34 7,147.80	2,547.49
26 05 19 16-0567 MLF 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... For EPR Insulation, Add For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	44,621.93 5,470.49 12,764.48	2,646.30
26 05 19 16-0568 MLF 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... For EPR Insulation, Add For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	56,032.64 7,097.77 16,561.46	2,827.62
26 05 19 16-0569 MLF #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,925.18	505.70
26 05 19 16-0570 MLF #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,386.21	562.21
26 05 19 16-0571 MLF #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,985.60	675.21
26 05 19 16-0572 MLF #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,535.77	786.81
26 05 19 16-0573 MLF #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,168.63	842.47
26 05 19 16-0574 MLF #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	651.27	281.10
26 05 19 16-0575 MLF #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	812.38	309.21
26 05 19 16-0576 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	842.98	225.44
26 05 19 16-0577 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,043.93	268.74
26 05 19 16-0578 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,285.26	338.03
26 05 19 16-0579 MLF #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,789.55	445.54
26 05 19 16-0580 MLF #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,413.42	538.03
26 05 19 16-0581 MLF #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,163.89	635.85
26 05 19 16-0582 MLF #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,772.29	719.76
26 05 19 16-0583 MLF #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,493.00	806.07
26 05 19 16-0584 MLF #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,330.81	909.65
26 05 19 16-0585 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,199.86	996.09
26 05 19 16-0586 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,020.14	1,100.80
26 05 19 16-0587 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,287.12	1,164.32
26 05 19 16-0588 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,841.20	1,309.93
26 05 19 16-0589 MLF 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,518.32	1,393.56
26 05 19 16-0590 MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,263.63	1,578.25
26 05 19 16-0591 MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,135.81	1,746.63
26 05 19 16-0592 MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,944.00	1,794.42
26 05 19 16-0593 MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,040.37	1,898.42
26 05 19 16-0594 MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	24,742.33	2,234.07
26 05 19 16-0595 MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	37,570.10	2,646.30
26 05 19 16-0596 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	44,966.31	3,195.01
26 05 19 16-0597 MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,144.53	675.21
26 05 19 16-0598 MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,512.87	786.81
26 05 19 16-0599 MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,064.53	900.23
26 05 19 16-0600 MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,206.25	1,011.55
26 05 19 16-0601 MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,888.82	1,124.41
26 05 19 16-0602 MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,415.23	1,235.73

26 05 19 16-0603 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0309)

26 05 19 16-0604 MLF #6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,457.74	398.72
26 05 19 16-0605 MLF #4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,727.25	463.63
26 05 19 16-0606 MLF #2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,259.01	595.14
26 05 19 16-0607 MLF #1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,790.82	664.58
26 05 19 16-0608 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,227.32	748.75
26 05 19 16-0609 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,667.73	826.41
26 05 19 16-0610 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,321.44	932.64
26 05 19 16-0611 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,783.45	1,028.96
26 05 19 16-0612 MLF 250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,527.18	1,131.15
26 05 19 16-0613 MLF 300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,803.70	1,230.11
26 05 19 16-0614 MLF 350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,112.74	1,329.04
26 05 19 16-0615 MLF 400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,126.84	1,478.25
26 05 19 16-0616 MLF 500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,956.18	1,627.41
26 05 19 16-0617 MLF 600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,932.04	1,895.76
26 05 19 16-0618 MLF 700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,344.63	2,078.28
26 05 19 16-0619 MLF 750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,609.99	2,155.32
26 05 19 16-0620 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	17,288.20	2,614.53
26 05 19 16-0621 MLF #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,776.02	499.10
26 05 19 16-0622 MLF #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,997.44	562.21
26 05 19 16-0623 MLF #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,458.68	691.66
26 05 19 16-0624 MLF #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,110.03	847.81
26 05 19 16-0625 MLF #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,945.57	998.06
26 05 19 16-0626 MLF 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,552.78	1,124.83
26 05 19 16-0627 MLF 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,180.36	1,249.36
26 05 19 16-0628 MLF 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,962.89	1,363.07
26 05 19 16-0629 MLF 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,465.99	1,450.63
26 05 19 16-0630 MLF 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,346.59	1,552.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0631 MLF 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,946.49	1,663.42
26 05 19 16-0632 MLF 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,359.31	1,796.95
26 05 19 16-0633 MLF 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,589.27	1,959.57
26 05 19 16-0634 MLF 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,898.58	2,248.82
26 05 19 16-0635 MLF 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	13,869.19	2,366.60
26 05 19 16-0636 MLF 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	15,418.13	2,495.07
26 05 19 16-0637 MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	15,903.35	2,651.64
26 05 19 16-0638 MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	23,097.49	3,716.18
26 05 19 16-0639 MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,988.66	562.21
26 05 19 16-0640 MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,478.35	691.52
26 05 19 16-0641 MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,088.73	848.93
26 05 19 16-0642 MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,863.81	992.43
26 05 19 16-0643 MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,365.15	1,119.63
26 05 19 16-0644 MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,936.84	1,241.63
26 05 19 16-0645 MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,706.98	1,363.07
26 05 19 16-0646 MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,225.76	1,450.63
26 05 19 16-0647 MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,043.46	1,551.13
26 05 19 16-0648 MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,495.71	1,665.54
26 05 19 16-0649 MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,996.91	1,799.34
26 05 19 16-0650 MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,952.80	1,955.07
26 05 19 16-0651 MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,453.44	2,248.82
26 05 19 16-0652 MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	13,064.89	2,360.28
26 05 19 16-0653 MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	14,468.38	2,495.07
26 05 19 16-0654 MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	15,039.69	2,643.63

26 05 19 16-0655 Non-Metallic Sheathed Cable (26 05 19 16-0309)

26 05 19 16-0656 Indoor Installation (26 05 19 16-0655)

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0657 MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,323.82	1,068.05
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	400.51	
26 05 19 16-0658 MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,129.11	1,293.07
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	484.92	
26 05 19 16-0659 MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	5,667.33	1,430.82
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	536.55	
26 05 19 16-0660 MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,009.80	1,214.36
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	432.20	
26 05 19 16-0661 MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	5,505.25	1,349.01
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	505.90	
26 05 19 16-0662 MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	7,064.99	1,506.71
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	565.02	
26 05 19 16-0663 MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,931.38	1,349.71
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	506.16	
26 05 19 16-0664 MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	7,333.43	1,574.46
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	590.42	
26 05 19 16-0665 MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	8,675.98	1,799.06
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	674.65	
26 05 19 16-0666 MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	8,417.59	1,616.34
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	575.56	
26 05 19 16-0667 MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	10,661.33	1,953.67
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	695.73	
26 05 19 16-0668 MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	10,803.80	1,841.22
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	653.56	
26 05 19 16-0669 MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	14,238.93	2,220.71
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	790.60	
26 05 19 16-0670 MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	30,740.98	2,445.59
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	869.66	
26 05 19 16-0671 MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	35,713.77	2,656.42
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	948.72	

26 05 19 16-0672 Direct Burial Cable (26 05 19 16-0655)

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0673 MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	3,125.17	
26 05 19 16-0674 MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	4,052.19	
26 05 19 16-0675 MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	3,950.10	
26 05 19 16-0676 MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	4,986.62	
26 05 19 16-0677 MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	4,256.36	
26 05 19 16-0678 MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,998.68	
26 05 19 16-0679 MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	6,380.22	
26 05 19 16-0680 MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	8,116.79	
26 05 19 16-0681 MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,988.02	
26 05 19 16-0682 MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	10,407.63	

26 05 19 16-0683 SEU Cable Copper, 3 Conductor (26 05 19 16-0655)

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0684 MLF 12-12-12 Cable SEU Copper.....	4,130.81	1,354.09
26 05 19 16-0685 MLF 10-10-10 Cable SEU Copper.....	5,178.53	1,538.21
26 05 19 16-0686 MLF 8-8-8 Cable SEU Copper.....	6,436.97	1,722.49
26 05 19 16-0687 MLF 6-6-8 Cable SEU Copper.....	7,766.05	1,846.63
26 05 19 16-0688 MLF 6-6-6 Cable SEU Copper.....	8,351.62	1,908.46
26 05 19 16-0689 MLF 4-4-6 Cable SEU Copper.....	10,173.74	2,092.74
26 05 19 16-0690 MLF 4-4-4 Cable SEU Copper.....	10,959.36	2,154.43
26 05 19 16-0691 MLF 3-3-5 Cable SEU Copper.....	12,755.62	2,337.78
26 05 19 16-0692 MLF 3-3-3 Cable SEU Copper.....	13,548.08	2,461.14
26 05 19 16-0693 MLF 2-2-4 Cable SEU Copper.....	14,471.87	2,585.28
26 05 19 16-0694 MLF 2-2-2 Cable SEU Copper.....	15,471.06	2,708.18
26 05 19 16-0695 MLF 1-1-1 Cable SEU Copper.....	18,931.81	3,076.43
26 05 19 16-0696 MLF 1/0-1/0-1/0 Cable SEU Copper.....	22,525.62	3,448.99
26 05 19 16-0697 MLF 2/0-2/0-2/0 Cable SEU Copper.....	27,119.52	3,884.46
26 05 19 16-0698 MLF 3/0-3/0-3/0 Cable SEU Copper.....	32,620.76	4,320.85
26 05 19 16-0699 MLF 4/0-4/0-4/0 Cable SEU Copper.....	36,455.34	4,822.00
26 05 19 16-0700 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0655)		
26 05 19 16-0701 MLF 8-8-8 Cable SEU Aluminum.....	5,360.08	1,728.33
26 05 19 16-0702 MLF 6-6-6 Cable SEU Aluminum.....	6,083.73	1,899.08
26 05 19 16-0703 MLF 4-4-6 Cable SEU Aluminum.....	6,812.16	2,078.75
26 05 19 16-0704 MLF 4-4-4 Cable SEU Aluminum.....	7,129.35	2,166.58
26 05 19 16-0705 MLF 2-2-4 Cable SEU Aluminum.....	8,519.46	2,563.74
26 05 19 16-0706 MLF 2-2-2 Cable SEU Aluminum.....	9,035.17	2,698.65
26 05 19 16-0707 MLF 1-1-1 Cable SEU Aluminum.....	10,792.49	3,076.43
26 05 19 16-0708 MLF 1/0-1/0-2 Cable SEU Aluminum.....	11,417.73	3,238.41
26 05 19 16-0709 MLF 1/0-1/0-1/0 Cable SEU Aluminum.....	13,687.90	3,418.22
26 05 19 16-0710 MLF 2/0-2/0-1 Cable SEU Aluminum.....	12,893.54	3,662.49
26 05 19 16-0711 MLF 2/0-2/0-2/0 Cable SEU Aluminum.....	13,612.18	3,845.54
26 05 19 16-0712 MLF 3/0-3/0-1/0 Cable SEU Aluminum.....	14,769.12	4,026.74
26 05 19 16-0713 MLF 3/0-3/0-3/0 Cable SEU Aluminum.....	15,787.67	4,272.85
26 05 19 16-0714 MLF 4/0-4/0-2/0 Cable SEU Aluminum.....	16,707.64	4,619.26
26 05 19 16-0715 MLF 4/0-4/0-4/0 Cable SEU Aluminum.....	17,619.35	4,806.92
26 05 19 16-0716 SER Cable Copper, 4 Conductor (26 05 19 16-0655)		
26 05 19 16-0717 MLF 6-6-6-6 Cable SER Copper.....	11,923.61	2,216.42
26 05 19 16-0718 MLF 4-4-4-6 Cable SER Copper.....	13,063.27	2,399.77
26 05 19 16-0719 MLF 3-3-3-5 Cable SER Copper.....	16,088.01	2,708.18
26 05 19 16-0720 MLF 2-2-2-4 Cable SER Copper.....	18,361.96	2,952.45
26 05 19 16-0721 MLF 1-1-1-3 Cable SER Copper.....	21,378.65	3,380.69
26 05 19 16-0722 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	25,946.33	3,874.61
26 05 19 16-0723 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	32,253.15	4,179.94
26 05 19 16-0724 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	37,196.33	4,675.41
26 05 19 16-0725 SER Cable Aluminum, 4 Conductor (26 05 19 16-0655)		
26 05 19 16-0726 MLF 8-8-8-8 Cable SER Aluminum.....	7,046.59	2,068.75
26 05 19 16-0727 MLF 6-6-6-6 Cable SER Aluminum.....	7,689.56	2,216.42
26 05 19 16-0728 MLF 4-4-4-6 Cable SER Aluminum.....	8,622.56	2,399.77
26 05 19 16-0729 MLF 2-2-2-4 Cable SER Aluminum.....	10,874.79	2,952.45
26 05 19 16-0730 MLF 1-1-1-3 Cable SER Aluminum.....	13,124.75	3,380.69
26 05 19 16-0731 MLF 1/0-1/0-1/0-2 Cable SER Aluminum.....	14,817.08	3,874.61
26 05 19 16-0732 MLF 2/0-2/0-2/0-1 Cable SER Aluminum.....	16,607.31	4,179.94
26 05 19 16-0733 MLF 3/0-3/0-3/0-1/0 Cable SER Aluminum.....	18,922.62	4,675.41
26 05 19 16-0734 MLF 4/0-4/0-4/0-2/0 Cable SER Aluminum.....	21,506.90	5,209.78
26 05 19 16-0735 Control Tray Cable, Low Voltage (26 05 19 16-0011)		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0736 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,335.07	681.82
<i>For Work In Restricted Working Space, Add</i>		
	340.91	
26 05 19 16-0737 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,526.63	762.69
<i>For Work In Restricted Working Space, Add</i>		
	381.35	
26 05 19 16-0738 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,578.68	762.63
<i>For Work In Restricted Working Space, Add</i>		
	381.35	
26 05 19 16-0739 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,977.50	956.57
<i>For Work In Restricted Working Space, Add</i>		
	478.28	
26 05 19 16-0740 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,467.93	1,165.67
<i>For Work In Restricted Working Space, Add</i>		
	582.83	
26 05 19 16-0741 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,789.29	1,281.83
<i>For Work In Restricted Working Space, Add</i>		
	640.91	
26 05 19 16-0742 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,279.08	1,456.48
<i>For Work In Restricted Working Space, Add</i>		
	728.24	
26 05 19 16-0743 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,111.99	1,780.23
<i>For Work In Restricted Working Space, Add</i>		
	890.11	
26 05 19 16-0744 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,646.80	1,942.14
<i>For Work In Restricted Working Space, Add</i>		
	971.07	
26 05 19 16-0745 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,334.66	2,002.85
<i>For Work In Restricted Working Space, Add</i>		
	1,001.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0746 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,568.88 1,251.05	2,502.09
26 05 19 16-0747 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,835.35 1,462.09	2,924.17
26 05 19 16-0748 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,444.49 358.83	718.22
26 05 19 16-0749 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,657.41 401.42	802.83
26 05 19 16-0750 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,924.86 462.14	924.26
26 05 19 16-0751 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,157.21 503.45	1,006.91
26 05 19 16-0752 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,701.47 613.51	1,227.01
26 05 19 16-0753 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,064.95 674.65	1,349.29
26 05 19 16-0754 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,619.74 766.57	1,533.13
26 05 19 16-0755 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,554.24 936.92	1,873.84
26 05 19 16-0756 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,169.34 1,022.09	2,044.18
26 05 19 16-0757 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,009.49 1,054.13	2,108.27
26 05 19 16-0758 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,387.82 1,316.83	2,633.65
26 05 19 16-0759 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,832.28 1,539.04	3,078.08
26 05 19 16-0760 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,551.11 374.85	749.70
26 05 19 16-0761 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,825.41 421.66	843.31
26 05 19 16-0762 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,126.93 481.95	963.90
26 05 19 16-0763 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,368.90 519.06	1,038.11
26 05 19 16-0764 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,096.73 636.28	1,272.55
26 05 19 16-0765 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,537.63 702.90	1,405.52
26 05 19 16-0766 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,258.35 784.28	1,568.55
26 05 19 16-0767 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,086.50 936.92	1,873.54
26 05 19 16-0768 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,074.96 1,088.29	2,177.14
26 05 19 16-0769 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,484.11 1,272.97	2,545.38
26 05 19 16-0770 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,638.72 1,422.24	2,844.48
26 05 19 16-0771 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,353.34 1,662.16	3,324.32
26 05 19 16-0772 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,769.77 401.42	802.83
26 05 19 16-0773 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,077.32 444.00	888.28
26 05 19 16-0774 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,495.96 511.04	1,022.09
26 05 19 16-0775 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,788.92 543.93	1,087.87
26 05 19 16-0776 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,604.70 648.50	1,297.01
26 05 19 16-0777 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,412.22 766.57	1,533.13
26 05 19 16-0778 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,295.62 864.81	1,729.63
26 05 19 16-0779 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,264.18 992.15	1,984.31
26 05 19 16-0780 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,356.04 1,124.55	2,249.11
26 05 19 16-0781 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,289.61 1,314.30	2,628.59
26 05 19 16-0782 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,772.26 1,536.08	3,072.17
26 05 19 16-0783 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,963.25 1,795.40	3,590.81
26 05 19 16-0784 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,050.15 421.66	843.31
26 05 19 16-0785 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,492.60 462.14	924.82
26 05 19 16-0786 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,998.83 527.07	1,054.13
26 05 19 16-0787 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,443.52 571.76	1,143.52

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0788 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,604.02 717.65	1,435.31
26 05 19 16-0789 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,409.78 803.25	1,606.50
26 05 19 16-0790 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,304.78 936.92	1,873.84
26 05 19 16-0791 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,415.51 1,071.42	2,142.84
26 05 19 16-0792 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,737.68 1,214.36	2,428.73
26 05 19 16-0793 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,112.17 1,419.29	2,838.58
26 05 19 16-0794 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,876.86 1,658.79	3,317.58
26 05 19 16-0795 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	15,536.10 1,939.19	3,878.37
26 05 19 16-0796 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0797 ACSR Cable (26 05 19 16-0796)		
26 05 19 16-0798 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,467.31	688.28
26 05 19 16-0799 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	2,670.53	714.69
26 05 19 16-0800 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,974.61	742.20
26 05 19 16-0801 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	3,177.90	769.07
26 05 19 16-0802 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial).....	3,724.06	795.16
26 05 19 16-0803 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial).....	4,414.03	901.39
26 05 19 16-0804 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial).....	5,216.97	1,005.23
26 05 19 16-0805 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial).....	6,136.67	1,110.52
26 05 19 16-0806 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial).....	6,810.86	1,427.15
26 05 19 16-0807 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial).....	7,706.27	1,637.06
26 05 19 16-0808 All Aluminum Conductors (26 05 19 16-0796)		
26 05 19 16-0809 MLF 795.0 ACSR Conductor Aluminum.....	49,926.36	13,394.67
26 05 19 16-0810 Single Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0811 Bare Stranded Conductor (26 05 19 16-0810)		
26 05 19 16-0812 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,684.70	583.17
26 05 19 16-0813 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,941.70	635.65
26 05 19 16-0814 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,200.39	688.76
26 05 19 16-0815 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,627.08	742.20
26 05 19 16-0816 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,122.35	795.79
26 05 19 16-0817 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,346.77	954.50
26 05 19 16-0818 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,970.33	1,060.26
26 05 19 16-0819 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,641.12	1,164.10
26 05 19 16-0820 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,443.51	1,380.71
26 05 19 16-0821 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,973.20	1,587.45
26 05 19 16-0822 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,695.49	1,799.12
26 05 19 16-0823 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	12,166.64	2,120.36
26 05 19 16-0824 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	12,488.17	2,232.00
26 05 19 16-0825 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	15,288.31	2,337.43
26 05 19 16-0826 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	16,793.86	2,433.33
26 05 19 16-0827 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	19,376.14	2,537.18
26 05 19 16-0828 Insulated Stranded Conductor (26 05 19 16-0810)		
26 05 19 16-0829 MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,789.51	583.17
26 05 19 16-0830 MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,076.93	635.65
26 05 19 16-0831 MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,467.35	688.76
26 05 19 16-0832 MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,677.61	742.20
26 05 19 16-0833 MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,199.44	795.79
26 05 19 16-0834 MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,235.43	954.50
26 05 19 16-0835 MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,959.22	1,060.26
26 05 19 16-0836 MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,796.14	1,164.10
26 05 19 16-0837 MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,967.46	1,380.71
26 05 19 16-0838 MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,309.63	1,587.45
26 05 19 16-0839 MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	9,747.26	1,799.12
26 05 19 16-0840 MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,849.91	2,120.36
26 05 19 16-0841 MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	13,326.55	2,232.00
26 05 19 16-0842 MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,540.44	2,337.43
26 05 19 16-0843 MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	16,173.78	2,433.33
26 05 19 16-0844 MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	18,057.24	2,537.18
26 05 19 16-0845 Bare Solid Conductor (26 05 19 16-0810)		
26 05 19 16-0846 MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,684.70	583.17
26 05 19 16-0847 MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,200.39	688.76
26 05 19 16-0848 MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,627.08	742.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

26 05 19 16-0849 MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	3,090.49	795.79
--	----------	--------

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For HVAC System Controls <small>(26 05 23)</small>		
26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt <small>(26 05 23 00-0001)</small>		
<small>Note: For surface or conduit installation.</small>		
26 05 23 00-0003 MLF #20/2 Conductor, Low Volt Thermostat Cable	583.12	179.20
26 05 23 00-0004 MLF #20/3 Conductor, Low Volt Thermostat Cable	659.39	188.76
26 05 23 00-0005 MLF #20/4 Conductor, Low Volt Thermostat Cable	712.62	199.58
26 05 23 00-0006 MLF #20/5 Conductor, Low Volt Thermostat Cable	840.68	208.02
26 05 23 00-0007 MLF #20/6 Conductor, Low Volt Thermostat Cable	880.01	217.86
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable	964.36	226.92
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable	1,038.19	235.98
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable	1,122.83	245.40
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable	1,203.47	252.77
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable	627.07	179.20
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable	737.79	188.76
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable	837.01	199.58
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable	892.04	208.02
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable	983.16	217.86
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable	1,011.72	226.92
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable	1,110.47	235.98
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable	1,296.25	245.40
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable	1,417.36	252.77

26 05 26 Grounding and Bonding for Electrical Systems (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers <small>(26 05 26)</small>		
26 05 26 00-0002 Single Conductor <small>(26 05 26 00-0001)</small>		
26 05 26 00-0003 Copper Bare Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	690.92	269.90
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	897.81	269.90
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	1,105.79	325.12
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	1,490.70	325.12
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	1,975.16	392.59
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	3,060.05	392.59
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	3,529.43	472.34
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	4,135.90	472.34
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	5,753.57	595.02
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	7,072.40	595.02
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	7,530.28	791.32
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	9,623.62	791.32
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	9,673.05	914.00
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	12,961.61	914.00
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	17,645.70	1,128.70
26 05 26 00-0019 Copper Insulated Single Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	1,245.01	368.06
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	1,339.49	368.06
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,704.97	368.06
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	1,947.75	637.96
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	2,610.92	637.96
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	3,658.37	637.96
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	4,406.95	1,116.43
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	5,361.97	1,116.43
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	6,261.95	1,116.43
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	7,430.72	1,116.43
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	8,739.57	1,459.95
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	10,530.52	1,459.95
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	12,239.45	1,459.95
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	14,389.60	2,269.67
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	18,711.81	2,269.67
26 05 26 00-0035 Copper Bare Single Solid Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	690.92	269.90
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	897.81	269.90
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	1,105.79	325.12
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,490.70	325.12
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	1,975.16	392.59
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	3,060.05	392.59
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	4,135.90	472.34
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	7,530.28	625.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor.....	861.69	325.12
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor.....	952.36	325.12
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor.....	1,093.23	392.59
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor.....	1,382.67	392.59
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor.....	1,612.17	472.34
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor.....	1,846.86	472.34
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor.....	2,113.51	595.02
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor.....	2,441.82	595.02
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor.....	2,902.29	791.32
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor.....	3,266.08	791.32
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor.....	3,924.22	914.00
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	4,481.63	914.00
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	5,265.41	1,128.70
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor.....	861.69	325.12
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor.....	952.36	325.12
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor.....	1,093.23	392.59
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor.....	1,382.67	392.59
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor.....	1,562.66	625.70
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor.....	1,846.86	625.70
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor.....	1,990.86	595.02
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor.....	2,194.85	595.02
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor.....	2,902.29	791.32
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor.....	3,266.08	791.32
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor.....	3,924.22	914.00
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor.....	4,481.63	914.00
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor.....	5,265.41	1,128.70
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.47	1.06
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.83	1.17
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	4.54	1.34
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	4.57	1.37
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	4.79	1.43
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	165.66	38.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	280.89	46.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	356.40	46.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	430.88	46.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	377.08	49.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.61	
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	485.70	49.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.61	
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	580.09	49.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.61	
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	487.97	63.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.07	
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	586.96	76.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	227.96	84.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.07	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	280.82	84.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.16	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	404.80	130.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.92	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	591.30	130.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.46	
26 05 26 00-0093 Ground Rods (26 05 26)		
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	125.71	115.36
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	130.31	115.36
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	148.87	115.36
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	147.55	115.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	153.29	115.36
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	176.49	115.36
26 05 26 00-0101 Copper Grounding Shaft <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	383.80	115.36
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	474.33	115.36
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	719.70	115.36
26 05 26 00-0105 Ground Access Wells <small>(26 05 26 00-0093)</small>		
26 05 26 00-0106 Precast Ground Access Wells <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	282.72	
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	292.91	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	857.48	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	867.66	
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	559.52	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	681.83	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	1,502.18	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	423.79	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	513.03	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	1,343.64	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	243.04	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	334.83	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	398.97	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	197.42	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	308.59	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	462.49	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	638.68	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	443.10	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	476.71	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	856.08	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	1,081.22	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	475.12	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	648.76	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	641.03	
26 05 26 00-0132 Polymer Concrete Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	540.40	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	593.10	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	595.65	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	653.64	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	653.02	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	716.80	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	872.24	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	959.26	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	195.50	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	272.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0144 Clay Tile Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0145 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	309.22	
26 05 26 00-0146 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	325.38	
26 05 26 00-0147 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	99.28	
26 05 26 00-0148 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0149 Bronze Ground Rod Clamp (26 05 26 00-0148)		
26 05 26 00-0150 EA 1/2" Bronze Ground Rod Clamp	29.58	17.38
26 05 26 00-0151 EA 5/8" Bronze Ground Rod Clamp	30.74	17.38
26 05 26 00-0152 EA 3/4" Bronze Ground Rod Clamp	32.38	17.38
26 05 26 00-0153 Bronze Pipe Clamps (26 05 26 00-0148)		
26 05 26 00-0154 EA 1/2" To 1" Bronze Pipe Ground Clamps	41.50	28.92
26 05 26 00-0155 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe	52.89	34.61
26 05 26 00-0156 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe	79.16	40.45
26 05 26 00-0157 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe	96.72	51.99
26 05 26 00-0158 EA 4" To 6" Bronze Ground Clamps For Pipe	148.23	75.06
26 05 26 00-0159 Grounding Fittings (26 05 26 00-0148)		
26 05 26 00-0160 Embedded Fittings (26 05 26 00-0159)		
26 05 26 00-0161 EA Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	198.90	
26 05 26 00-0162 EA Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	209.40	
26 05 26 00-0163 EA Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	228.03	
26 05 26 00-0164 EA #8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	201.41	
26 05 26 00-0165 EA 1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	241.38	
26 05 26 00-0166 EA 4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	282.88	
26 05 26 00-0167 EA 350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	318.20	
26 05 26 00-0168 Ground Rod Receptacle (26 05 26 00-0159)		
26 05 26 00-0169 EA 1/2" Ground Rod Receptacle	427.08	159.98
26 05 26 00-0170 EA 5/8" Ground Rod Receptacle	445.27	164.48
26 05 26 00-0171 EA 3/4" Ground Rod Receptacle	463.93	168.95
26 05 26 00-0172 Ground Kits For Circuit Breaker Panels (26 05 26 00-0159)		
26 05 26 00-0173 EA 14-8 AWG Copper Ground Kit	96.70	38.46
26 05 26 00-0174 EA 12-8 AWG Aluminum Ground Kit	102.11	38.46
26 05 26 00-0175 EA 14-4 AWG Copper Ground Kit	105.52	38.46
26 05 26 00-0176 EA 12-4 AWG Aluminum Ground Kit	119.74	38.46
26 05 26 00-0177 Insulated Grounding Bars (26 05 26 00-0148)		
26 05 26 00-0178 EA 1/2" x 4" x 10" Insulated Ground Bar	386.08	38.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.22	
26 05 26 00-0179 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20"	403.14	38.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.22	
26 05 26 00-0180 Ground Conductor Bonding (26 05 26)		
26 05 26 00-0181 Ground Conductor Bonding (26 05 26 00-0180)		
26 05 26 00-0182 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0181)		
26 05 26 00-0183 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	173.55	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0184 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	188.94	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0185 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	204.32	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0186 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	296.60	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0187 Tee, Wye Or Cross Cadweld (26 05 26 00-0181)		
26 05 26 00-0188 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross	196.63	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0189 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross	227.38	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0190 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross	281.23	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0191 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross	342.75	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0192 Grounding Equipment (26 05 26)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0193 Special Grounding Equipment <small>(26 05 26 00-0192)</small>		
26 05 26 00-0194 Ground Reels And Ground Bus <small>(26 05 26 00-0193)</small>		
26 05 26 00-0195 EA Ground Reel With 50' Of Galvanized Steel Cable	839.57	
26 05 26 00-0196 Copper Bars <small>(26 05 26 00-0193)</small>		
26 05 26 00-0197 LF 1/4" x 2" Copper Bar	49.58	
26 05 26 00-0198 Phenolic Insulators <small>(26 05 26 00-0193)</small>		
26 05 26 00-0199 EA 2" x 2" x 1" Long Phenolic Insulators	38.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 26 00-0200 Grounding Studs <small>(26 05 26 00-0193)</small>		
26 05 26 00-0201 EA Ball Grounding Stud.....	56.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 26 00-0202 Equipment Ground Bar Kits <small>(26 05 26 00-0193)</small>		
26 05 26 00-0203 EA Switch Rating 30 Ground Bar Kit	42.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 26 00-0204 EA Switch Rating 60 Ground Bar Kit	53.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 05 26 00-0205 EA Switch Rating 100 Ground Bar Kit	62.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 26 00-0206 EA Switch Rating 200 Ground Bar Kit	103.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.85	
26 05 26 00-0207 Panelboard Ground Bar Kits <small>(26 05 26 00-0193)</small>		
26 05 26 00-0208 EA Panelboard Ground Bar Kit.....	144.38	11.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 26 00-0209 Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0193)</small>		
26 05 26 00-0210 EA 3 Circuit, Ground Bar Kit.....	34.94	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 26 00-0211 EA 4 Circuit, Ground Bar Kit.....	34.39	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 26 00-0212 EA 7 Circuit, Ground Bar Kit.....	35.31	6.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 26 00-0213 EA 12 Circuit, Ground Bar Kit.....	40.03	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 26 00-0214 EA 20 Circuit, Ground Bar Kit.....	45.48	8.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.77	
26 05 26 00-0215 EA 24 Circuit, Ground Bar Kit.....	50.21	9.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.69	
26 05 26 00-0216 EA 30 Circuit, Ground Bar Kit.....	56.27	11.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 26 00-0217 EA 54 Circuit, Ground Bar Kit.....	65.17	12.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 26 00-0218 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	68.65	9.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.69	
26 05 26 00-0219 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	76.17	11.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 26 00-0220 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	85.26	12.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 29 Hangers and Supports for Electrical Systems <small>(26 05)</small>		
26 05 29 00-0001 Metal Framing Channel And Fittings <small>(26 05 29)</small>		
See CSI section 05 43 00 00-0001 for additional unistrut fittings.		
26 05 29 00-0002 Metal Framing Channel <small>(26 05 29 00-0001)</small>		
Note: Excludes fasteners and accessories.		
26 05 29 00-0003 14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0004 14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	27.29	8.44
26 05 29 00-0006 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	30.68	8.44
26 05 29 00-0007 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	13.95	3.17
26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	50.02	8.44
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	55.59	8.44
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	76.13	8.44
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	87.27	8.44

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0013 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	36.68	3.18
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	42.25	3.18
26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0016 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	74.06	8.44
26 05 29 00-0017 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	124.23	8.44
26 05 29 00-0018 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	60.72	3.18
26 05 29 00-0019 12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0020 12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0021 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	29.15	8.44
26 05 29 00-0022 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	28.52	8.44
26 05 29 00-0023 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	28.11	8.44
26 05 29 00-0024 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	34.39	8.44
26 05 29 00-0025 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	33.14	8.44
26 05 29 00-0026 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	32.32	8.44
26 05 29 00-0027 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	15.81	3.17
26 05 29 00-0028 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	15.18	3.17
26 05 29 00-0029 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	14.77	3.17
26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0031 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	57.43	8.44
26 05 29 00-0032 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	67.04	8.44
26 05 29 00-0033 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	90.96	8.44
26 05 29 00-0034 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	110.17	8.44
26 05 29 00-0035 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	44.09	3.17
26 05 29 00-0036 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	53.70	3.17
26 05 29 00-0037 Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038 Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings.....	7.88	0.77
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings.....	17.91	7.70
26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel.....	29.79	7.70
26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.93	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.89	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	9.52	
26 05 29 00-0049 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0050 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	26.43	
26 05 29 00-0051 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	39.50	
26 05 29 00-0052 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	50.56	
26 05 29 00-0053 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054 Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0055 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	7.69	
26 05 29 00-0056 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	6.49	
26 05 29 00-0057 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	10.97	
26 05 29 00-0058 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	10.82	
26 05 29 00-0059 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	14.98	
26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	18.82	
26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	15.91	
26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	22.74	
26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	20.75	
26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	38.59	
26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	21.84	
26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	31.83	
26 05 29 00-0068 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	15.55	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.71	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	6.33	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	31.60	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.95	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	61.80	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0037)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.38	2.31
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.41	2.31
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.55	2.31
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.28	3.08
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.00	3.08
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.07	3.08
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.13	3.85
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.76	3.85
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.37	3.85
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.59	3.85
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.63	2.31
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.09	2.31
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.54	2.31
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.00	3.08
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.05	3.08
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	23.11	3.08
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	27.69	3.85
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	31.29	3.85
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	32.84	3.85
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	38.55	3.85
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.52	2.31
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.58	2.31
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.16	2.31
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.28	3.08
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	25.37	3.08
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	25.72	3.08
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	30.42	3.85
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	32.25	3.85
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	45.30	3.85
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	53.27	3.85
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	46.62	14.06
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	32.38	14.06
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	45.18	14.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0121 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	71.25	14.06
26 05 29 00-0123 Square Washers For Unistrut Channel (26 05 29 00-0037)		
26 05 29 00-0124 Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.64	
26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	7.32	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	9.30	
26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel	43.23	
26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel	53.84	
26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.		
26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	10.15	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	11.02	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	11.68	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	15.20	
26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	19.57	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.92	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	30.25	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	52.83	
26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.		
26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	10.18	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	11.14	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	11.73	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	16.21	
26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0151 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.59	
26 05 29 00-0152 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	16.70	
26 05 29 00-0153 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	18.34	
26 05 29 00-0154 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	51.42	
26 05 29 00-0155 Mounting Assemblies (26 05 29)		
26 05 29 00-0156 Galvanized Steel Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0157 Galvanized Steel Back Plate (26 05 29 00-0156)		
26 05 29 00-0158 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	595.37	92.29
26 05 29 00-0159 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	148.59	30.76
26 05 29 00-0160 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	375.99	76.91
26 05 29 00-0161 Aluminum Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0162 Aluminum Back Plate (26 05 29 00-0161)		
26 05 29 00-0163 EA 3/16" x 2' x 2' Aluminum Back Plate.....	488.60	115.36
26 05 29 00-0164 EA 3/16" x 4' x 4' Aluminum Back Plate.....	1,337.64	115.36
26 05 29 00-0165 Supports (26 05 29)		
26 05 29 00-0166 One Hole Steel Conduit Straps (26 05 29 00-0165)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0167 EA 1/2", One Hole Steel Conduit Strap 5.44 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.26 For >100 To 250, Deduct -0.52 For >250 To 500, Deduct -1.02 For >500, Deduct -1.53		
26 05 29 00-0168 EA 3/4", One Hole Steel Conduit Strap 5.49 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.26 For >100 To 250, Deduct -0.52 For >250 To 500, Deduct -1.03 For >500, Deduct -1.53		
26 05 29 00-0169 EA 1", One Hole Steel Conduit Strap 5.74 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.27 For >100 To 250, Deduct -0.53 For >250 To 500, Deduct -1.05 For >500, Deduct -1.56		
26 05 29 00-0170 EA 1-1/4", One Hole Steel Conduit Strap 5.92 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.27 For >100 To 250, Deduct -0.54 For >250 To 500, Deduct -1.06 For >500, Deduct -1.58		
26 05 29 00-0171 EA 1-1/2", One Hole Steel Conduit Strap 6.04 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.27 For >100 To 250, Deduct -0.55 For >250 To 500, Deduct -1.07 For >500, Deduct -1.59		
26 05 29 00-0172 EA 2", One Hole Steel Conduit Strap 6.78 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.29 For >100 To 250, Deduct -0.59 For >250 To 500, Deduct -1.12 For >500, Deduct -1.66		
26 05 29 00-0173 EA 2-1/2", One Hole Steel Conduit Strap 7.54 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.31 For >100 To 250, Deduct -0.62 For >250 To 500, Deduct -1.18 For >500, Deduct -1.74		
26 05 29 00-0174 EA 3", One Hole Steel Conduit Strap 7.79 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.32 For >100 To 250, Deduct -0.64 For >250 To 500, Deduct -1.20 For >500, Deduct -1.76		
26 05 29 00-0175 EA 3-1/2", One Hole Steel Conduit Strap 9.03 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.35 For >100 To 250, Deduct -0.70 For >250 To 500, Deduct -1.29 For >500, Deduct -1.89		
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap 10.03 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.37 For >100 To 250, Deduct -0.75 For >250 To 500, Deduct -1.37 For >500, Deduct -1.99		
26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165) 5.56		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap 5.56 For Work In Restricted Working Space, Add 1.48 For Installation On Concrete (Includes Drilling And Fastener), Add 1.33 For >50 To 100, Deduct -0.26 For >100 To 250, Deduct -0.52 For >250 To 500, Deduct -1.03 For >500, Deduct -1.54		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap	5.68	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-1.04	
For >500, Deduct	-1.55	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap	5.90	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.06	
For >500, Deduct	-1.57	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap	6.41	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.10	
For >500, Deduct	-1.63	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap	6.62	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.11	
For >500, Deduct	-1.65	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap	7.93	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.78	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap	10.75	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-2.06	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap	13.10	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-2.29	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap	16.53	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.64	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap	30.27	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.88	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.89	
For >500, Deduct	-4.01	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap	37.66	
For Work In Restricted Working Space, Add	1.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-1.06	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-3.44	
For >500, Deduct	-4.75	
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap	6.30	
For Work In Restricted Working Space, Add	1.66	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.59	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.17	
For >500, Deduct	-1.74	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap	6.38	
For Work In Restricted Working Space, Add	1.66	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.59	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.17	
For >500, Deduct	-1.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap 6.42		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-1.17	
<i>For >500, Deduct</i>	-1.75	
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap 6.48		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.76	
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap 6.52		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.76	
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap 6.62		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.77	
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap 7.19		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.64	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.83	
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap 7.31		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.64	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.84	
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap 7.75		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 250, Deduct</i>	-0.66	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.88	
26 05 29 00-0199 EA 4", Two Hole Steel Conduit Strap 8.06		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.68	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.91	
26 05 29 00-0200 EA 5", Two Hole Steel Conduit Strap 8.46		
<i>For Work In Restricted Working Space, Add</i>	1.66	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 250, Deduct</i>	-0.70	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.95	
26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0165) 4.98		
26 05 29 00-0202 EA 1/2" Conduit, Clamp Back Spacer 4.98		
<i>For Work In Restricted Working Space, Add</i>	1.16	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.27	
26 05 29 00-0203 EA 3/4" Conduit, Clamp Back Spacer 5.36		
<i>For Work In Restricted Working Space, Add</i>	1.16	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500, Deduct</i>	-1.31	
26 05 29 00-0204 EA 1" Conduit, Clamp Back Spacer 5.72		
<i>For Work In Restricted Working Space, Add</i>	1.16	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.91	
<i>For >500, Deduct</i>	-1.34	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer	7.10	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.48	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer	8.22	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.10	
For >500, Deduct	-1.59	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer	9.39	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.71	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer	14.15	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.54	
For >500, Deduct	-2.19	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer	19.83	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.59	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.75	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer	25.35	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-2.38	
For >500, Deduct	-3.31	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer	51.27	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-1.38	
For >100 To 250, Deduct	-2.76	
For >250 To 500, Deduct	-4.33	
For >500, Deduct	-5.90	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer	95.02	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-2.47	
For >100 To 250, Deduct	-4.94	
For >250 To 500, Deduct	-7.61	
For >500, Deduct	-10.27	
26 05 29 00-0213 Conduit Clips <small>(26 05 29 00-0165)</small>		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip	6.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.07	
For >500, Deduct	-1.59	
26 05 29 00-0215 EA 3/4" Conduit Clip	6.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.07	
For >500, Deduct	-1.59	
26 05 29 00-0216 EA 1" Conduit Clip	5.99	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.06	
For >500, Deduct	-1.58	
26 05 29 00-0217 EA 1-1/4" Conduit Clip	6.21	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.08	
For >500, Deduct	-1.61	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0218 Bolt And Nut Conduit Clips <small>(26 05 29 00-0165)</small>						
26 05 29 00-0219	EA			3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	7.55	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.64	
				<i>For >50 To 100, Deduct</i>	-0.34	
				<i>For >100 To 250, Deduct</i>	-0.69	
				<i>For >250 To 500, Deduct</i>	-1.34	
				<i>For >500, Deduct</i>	-1.99	
26 05 29 00-0220	EA			1" Bolt And Nut Conduit Clip (Minerallac 2B).....	7.78	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.64	
				<i>For >50 To 100, Deduct</i>	-0.35	
				<i>For >100 To 250, Deduct</i>	-0.70	
				<i>For >250 To 500, Deduct</i>	-1.35	
				<i>For >500, Deduct</i>	-2.01	
26 05 29 00-0221	EA			1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	8.29	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.74	
				<i>For >50 To 100, Deduct</i>	-0.37	
				<i>For >100 To 250, Deduct</i>	-0.74	
				<i>For >250 To 500, Deduct</i>	-1.44	
				<i>For >500, Deduct</i>	-2.14	
26 05 29 00-0222	EA			1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	8.42	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.74	
				<i>For >50 To 100, Deduct</i>	-0.37	
				<i>For >100 To 250, Deduct</i>	-0.75	
				<i>For >250 To 500, Deduct</i>	-1.45	
				<i>For >500, Deduct</i>	-2.15	
26 05 29 00-0223	EA			2" Bolt And Nut Conduit Clip (Minerallac 5B).....	9.27	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.74	
				<i>For >50 To 100, Deduct</i>	-0.40	
				<i>For >100 To 250, Deduct</i>	-0.79	
				<i>For >250 To 500, Deduct</i>	-1.51	
				<i>For >500, Deduct</i>	-2.24	
26 05 29 00-0224	EA			2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	10.02	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.83	
				<i>For >50 To 100, Deduct</i>	-0.42	
				<i>For >100 To 250, Deduct</i>	-0.85	
				<i>For >250 To 500, Deduct</i>	-1.62	
				<i>For >500, Deduct</i>	-2.39	
26 05 29 00-0225	EA			3" Bolt And Nut Conduit Clip (Minerallac 7B).....	10.77	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.83	
				<i>For >50 To 100, Deduct</i>	-0.44	
				<i>For >100 To 250, Deduct</i>	-0.88	
				<i>For >250 To 500, Deduct</i>	-1.67	
				<i>For >500, Deduct</i>	-2.46	
26 05 29 00-0226	EA			4" Bolt And Nut Conduit Clip (Minerallac 9B).....	18.69	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.02	
				<i>For >50 To 100, Deduct</i>	-0.66	
				<i>For >100 To 250, Deduct</i>	-1.32	
				<i>For >250 To 500, Deduct</i>	-2.36	
				<i>For >500, Deduct</i>	-3.41	
26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0165)</small>						
				Note: Bat wing.		
26 05 29 00-0228	EA			1/2", Conduit Hanger From Flange, Wire Or Rod.....	4.42	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
				<i>For >50 To 100, Deduct</i>	-0.20	
				<i>For >100 To 250, Deduct</i>	-0.41	
				<i>For >250 To 500, Deduct</i>	-0.79	
				<i>For >500, Deduct</i>	-1.18	
26 05 29 00-0229	EA			3/4", Conduit Hanger From Flange, Wire Or Rod.....	4.48	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
				<i>For >50 To 100, Deduct</i>	-0.20	
				<i>For >100 To 250, Deduct</i>	-0.41	
				<i>For >250 To 500, Deduct</i>	-0.80	
				<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0230	EA			1", Conduit Hanger From Flange, Wire Or Rod.....	4.65	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100 To 250, Deduct</i>	-0.42	
				<i>For >250 To 500, Deduct</i>	-0.81	
				<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0231	EA			1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	5.08	
				<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
				<i>For >50 To 100, Deduct</i>	-0.22	
				<i>For >100 To 250, Deduct</i>	-0.44	
				<i>For >250 To 500, Deduct</i>	-0.84	
				<i>For >500, Deduct</i>	-1.25	
26 05 29 00-0232 Beam Flange Clamps <small>(26 05 29 00-0165)</small>						
				Note: For threaded rod, nut not required.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	6.25	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.40	
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	6.14	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.38	
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.80	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.45	
26 05 29 00-0236			T-Bar Support Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	10.60	
			<i>For >50 To 100, Deduct</i>	-0.46	
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.60	
26 05 29 00-0238	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	10.09	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.72	
			<i>For >500, Deduct</i>	-2.55	
26 05 29 00-0239	EA		15/16" Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.70	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500, Deduct</i>	-0.75	
26 05 29 00-0240	EA		24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	28.73	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.49	
26 05 29 00-0241			Switch And Outlet Box Type Supports <small>(26 05 29 00-0165)</small>		
26 05 29 00-0242	EA		1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	7.46	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.36	
26 05 29 00-0243	EA		1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	6.38	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.25	
26 05 29 00-0244	EA		Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	7.31	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.35	
26 05 29 00-0245	EA		Snap On, Switch And Outlet Box Support (Caddy MSF)	4.84	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.10	
26 05 29 00-0246	EA		1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	5.04	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0247			Lighting Fixture Hanger <small>(26 05 29 00-0165)</small>		
			Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA		Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	7.20	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.95	
26 05 29 00-0249	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	23.21	
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.55	
26 05 29 00-0250	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	31.62	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-4.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.38	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-1.06	
<i>For >500, Deduct</i>	-1.56	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.41	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-1.06	
<i>For >500, Deduct</i>	-1.57	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0254 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.55	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-1.07	
<i>For >500, Deduct</i>	-1.58	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0255 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.27	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.72	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-2.06	
<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 29 00-0256 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.99	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-1.44	
<i>For >500, Deduct</i>	-2.13	
<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 29 00-0257 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.06	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-2.14	
<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 29 00-0258 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.12	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100 To 250, Deduct</i>	-0.94	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.65	
<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 29 00-0259 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.75	
<i>For >50 To 100, Deduct</i>	-0.49	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.71	
<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	12.36	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.77	
<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 29 00-0261 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	12.58	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.80	
<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.85	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.57	
<i>For >250 To 500, Deduct</i>	-1.09	
<i>For >500, Deduct</i>	-1.61	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0264 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.79	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.57	
<i>For >250 To 500, Deduct</i>	-1.09	
<i>For >500, Deduct</i>	-1.60	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0265 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.72	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.57	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.60	
<i>For Work In Restricted Working Space, Add</i>	1.39	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0266	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	8.84	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-2.11	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 29 00-0267	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	10.09	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-2.24	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 29 00-0268	EA		2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	10.16	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-2.25	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 29 00-0269 "J" Type Conduit Hangers <small>(26 05 29 00-0165)</small>					
26 05 29 00-0270	EA		1/2", "J" Type Conduit Hanger (Unistrut J1205).....	28.42	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-3.48	
			<i>For >500, Deduct</i>	-5.00	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 29 00-0271	EA		3/4", "J" Type Conduit Hanger (Unistrut J1207).....	28.73	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-3.50	
			<i>For >500, Deduct</i>	-5.03	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 29 00-0272	EA		1", "J" Type Conduit Hanger (Unistrut J1210).....	30.55	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-3.83	
			<i>For >500, Deduct</i>	-5.52	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 29 00-0273	EA		1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	30.88	
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-3.85	
			<i>For >500, Deduct</i>	-5.55	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 29 00-0274	EA		1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	32.64	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100 To 250, Deduct</i>	-2.32	
			<i>For >250 To 500, Deduct</i>	-4.18	
			<i>For >500, Deduct</i>	-6.03	
			<i>For Work In Restricted Working Space, Add</i>	4.15	
26 05 29 00-0275	EA		2", "J" Type Conduit Hanger (Unistrut J1220).....	33.89	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-4.27	
			<i>For >500, Deduct</i>	-6.16	
			<i>For Work In Restricted Working Space, Add</i>	4.15	
26 05 29 00-0276	EA		2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	53.36	
			<i>For >50 To 100, Deduct</i>	-1.72	
			<i>For >100 To 250, Deduct</i>	-3.44	
			<i>For >250 To 500, Deduct</i>	-5.93	
			<i>For >500, Deduct</i>	-8.41	
			<i>For Work In Restricted Working Space, Add</i>	4.62	
26 05 29 00-0277	EA		3", "J" Type Conduit Hanger (Unistrut J1230).....	56.78	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100 To 250, Deduct</i>	-3.69	
			<i>For >250 To 500, Deduct</i>	-6.37	
			<i>For >500, Deduct</i>	-9.06	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
26 05 29 00-0278	EA		3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	61.16	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100 To 250, Deduct</i>	-3.98	
			<i>For >250 To 500, Deduct</i>	-6.89	
			<i>For >500, Deduct</i>	-9.81	
			<i>For Work In Restricted Working Space, Add</i>	5.54	
26 05 29 00-0279	EA		4", "J" Type Conduit Hanger (Unistrut J1240).....	80.60	
			<i>For >50 To 100, Deduct</i>	-2.48	
			<i>For >100 To 250, Deduct</i>	-4.95	
			<i>For >250 To 500, Deduct</i>	-8.35	
			<i>For >500, Deduct</i>	-11.75	
			<i>For Work In Restricted Working Space, Add</i>	5.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0280 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	88.51	
<i>For >50 To 100, Deduct</i>	-2.71	
<i>For >100 To 250, Deduct</i>	-5.43	
<i>For >250 To 500, Deduct</i>	-9.14	
<i>For >500, Deduct</i>	-12.85	
<i>For Work In Restricted Working Space, Add</i>	6.00	
26 05 29 00-0281 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	124.17	
<i>For >50 To 100, Deduct</i>	-3.68	
<i>For >100 To 250, Deduct</i>	-7.36	
<i>For >250 To 500, Deduct</i>	-12.20	
<i>For >500, Deduct</i>	-17.03	
<i>For Work In Restricted Working Space, Add</i>	6.92	
26 05 29 00-0282 Between Studs Box Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0283 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A).....	10.34	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.75	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.96	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0284 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A).....	12.32	
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 250, Deduct</i>	-0.85	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-2.16	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0285 Hangers And Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI).....	3.83	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0287 EA Angle Bracket Only With 1/4" Hole (Caddy AB).....	3.72	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.66	
<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0288 EA Offset Bracket Only With 1/4" Hole (Caddy AO).....	3.72	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.66	
<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	4.91	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	4.93	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0291 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	4.80	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.10	
26 05 29 00-0292 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	4.91	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0293 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	4.93	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0294 Clips And Accessories <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	2.58	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.64	
26 05 29 00-0296 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	2.62	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.80	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500, Deduct</i>	-0.66	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32).....	3.17	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0299			Wire Ties (26 05 29 00-0165)		
			Note: Per hundred (C).		
26 05 29 00-0300	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	37.77	
			<i>For Up To 0.1, Add</i>	32.09	
			<i>For >0.1 To 0.25, Add</i>	16.05	
			<i>For >0.25 To 0.75, Add</i>	8.02	
			<i>For >2.0, Deduct</i>	-3.21	
			<i>For UV Black, Add</i>	0.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 29 00-0301	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	37.99	
			<i>For Up To 0.1, Add</i>	32.09	
			<i>For >0.1 To 0.25, Add</i>	16.05	
			<i>For >0.25 To 0.75, Add</i>	8.02	
			<i>For >2.0, Deduct</i>	-3.21	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 29 00-0302	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.14	
			<i>For Up To 0.1, Add</i>	32.09	
			<i>For >0.1 To 0.25, Add</i>	16.05	
			<i>For >0.25 To 0.75, Add</i>	8.02	
			<i>For >2.0, Deduct</i>	-3.21	
			<i>For UV Black, Add</i>	0.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.21	
			<i>For Up To 0.1, Add</i>	32.09	
			<i>For >0.1 To 0.25, Add</i>	16.05	
			<i>For >0.25 To 0.75, Add</i>	8.02	
			<i>For >2.0, Deduct</i>	-3.21	
			<i>For UV Black, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	39.67	
			<i>For Up To 0.1, Add</i>	33.48	
			<i>For >0.1 To 0.25, Add</i>	16.74	
			<i>For >0.25 To 0.75, Add</i>	8.37	
			<i>For >2.0, Deduct</i>	-3.35	
			<i>For UV Black, Add</i>	0.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.04	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	45.99	
			<i>For Up To 0.1, Add</i>	35.01	
			<i>For >0.1 To 0.25, Add</i>	17.51	
			<i>For >0.25 To 0.75, Add</i>	8.75	
			<i>For >2.0, Deduct</i>	-3.50	
			<i>For UV Black, Add</i>	1.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.50	
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	43.87	
			<i>For Up To 0.1, Add</i>	32.09	
			<i>For >0.1 To 0.25, Add</i>	16.05	
			<i>For >0.25 To 0.75, Add</i>	8.02	
			<i>For >2.0, Deduct</i>	-3.21	
			<i>For UV Black, Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	45.34	
			<i>For Up To 0.1, Add</i>	33.48	
			<i>For >0.1 To 0.25, Add</i>	16.74	
			<i>For >0.25 To 0.75, Add</i>	8.37	
			<i>For >2.0, Deduct</i>	-3.35	
			<i>For UV Black, Add</i>	1.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.04	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	46.94	
			<i>For Up To 0.1, Add</i>	35.01	
			<i>For >0.1 To 0.25, Add</i>	17.51	
			<i>For >0.25 To 0.75, Add</i>	8.75	
			<i>For >2.0, Deduct</i>	-3.50	
			<i>For UV Black, Add</i>	1.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.50	
26 05 29 00-0309	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	65.26	
			<i>For Up To 0.1, Add</i>	37.75	
			<i>For >0.1 To 0.25, Add</i>	18.88	
			<i>For >0.25 To 0.75, Add</i>	9.44	
			<i>For >2.0, Deduct</i>	-3.78	
			<i>For UV Black, Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	67.75	
For Up To 0.1, Add	37.75	
For >0.1 To 0.25, Add	18.88	
For >0.25 To 0.75, Add	9.44	
For >2.0, Deduct	-3.78	
For UV Black, Add	4.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.33	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	48.68	
For Up To 0.1, Add	35.01	
For >0.1 To 0.25, Add	17.51	
For >0.25 To 0.75, Add	8.75	
For >2.0, Deduct	-3.50	
For UV Black, Add	2.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.50	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	46.48	
For Up To 0.1, Add	35.01	
For >0.1 To 0.25, Add	17.51	
For >0.25 To 0.75, Add	8.75	
For >2.0, Deduct	-3.50	
For UV Black, Add	1.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.50	
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	65.95	
For Up To 0.1, Add	37.75	
For >0.1 To 0.25, Add	18.88	
For >0.25 To 0.75, Add	9.44	
For >2.0, Deduct	-3.78	
For UV Black, Add	4.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.33	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	74.78	
For Up To 0.1, Add	40.11	
For >0.1 To 0.25, Add	20.06	
For >0.25 To 0.75, Add	10.03	
For >2.0, Deduct	-4.01	
For UV Black, Add	5.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	72.21	
For Up To 0.1, Add	35.01	
For >0.1 To 0.25, Add	17.51	
For >0.25 To 0.75, Add	8.75	
For >2.0, Deduct	-3.50	
For UV Black, Add	5.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.50	
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	78.93	
For Up To 0.1, Add	37.75	
For >0.1 To 0.25, Add	18.88	
For >0.25 To 0.75, Add	9.44	
For >2.0, Deduct	-3.78	
For UV Black, Add	6.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.33	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	94.28	
For Up To 0.1, Add	40.11	
For >0.1 To 0.25, Add	20.06	
For >0.25 To 0.75, Add	10.03	
For >2.0, Deduct	-4.01	
For UV Black, Add	8.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	131.53	
For Up To 0.1, Add	42.78	
For >0.1 To 0.25, Add	21.39	
For >0.25 To 0.75, Add	10.70	
For >2.0, Deduct	-4.28	
For UV Black, Add	13.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	127.74	
For Up To 0.1, Add	42.78	
For >0.1 To 0.25, Add	21.39	
For >0.25 To 0.75, Add	10.70	
For >2.0, Deduct	-4.28	
For UV Black, Add	12.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	153.95	
For Up To 0.1, Add	44.78	
For >0.1 To 0.25, Add	22.39	
For >0.25 To 0.75, Add	11.20	
For >2.0, Deduct	-4.48	
For UV Black, Add	16.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.43	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	177.09	
For Up To 0.1, Add	46.96	
For >0.1 To 0.25, Add	23.48	
For >0.25 To 0.75, Add	11.74	
For >2.0, Deduct	-4.70	
For UV Black, Add	19.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties	239.73	
For Up To 0.1, Add	50.66	
For >0.1 To 0.25, Add	25.33	
For >0.25 To 0.75, Add	12.67	
For >2.0, Deduct	-5.07	
For UV Black, Add	28.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.20	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts	50.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw	101.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie	2.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.23	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie	2.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.19	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie	3.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.19	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie	4.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.19	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	107.27	
Note: Cut to length.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 29 00-0330 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
26 05 29 00-0331 Toggle Bolts <small>(26 05 29 00-0330)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	11.86	
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.98	
For >500, Deduct	-5.68	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.18	
For >50 To 100, Deduct	-1.17	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-4.08	
For >500, Deduct	-5.83	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	12.79	
For >50 To 100, Deduct	-1.20	
For >100 To 250, Deduct	-2.41	
For >250 To 500, Deduct	-4.20	
For >500, Deduct	-6.00	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.11	
For >50 To 100, Deduct	-1.23	
For >100 To 250, Deduct	-2.47	
For >250 To 500, Deduct	-4.31	
For >500, Deduct	-6.14	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.41	
For >50 To 100, Deduct	-1.26	
For >100 To 250, Deduct	-2.52	
For >250 To 500, Deduct	-4.40	
For >500, Deduct	-6.29	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	15.02	
For >50 To 100, Deduct	-1.32	
For >100 To 250, Deduct	-2.65	
For >250 To 500, Deduct	-4.61	
For >500, Deduct	-6.56	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	15.60	
For >50 To 100, Deduct	-1.36	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-4.73	
For >500, Deduct	-6.73	
26 05 29 00-0339 Machine Screws <small>(26 05 29 00-0330)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.51	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.72	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.56	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.72	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.47	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-2.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0343 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.65	
<i>For >50 To 100, Deduct</i>	-0.44	
<i>For >100 To 250, Deduct</i>	-0.87	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-2.18	
26 05 29 00-0344 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	5.72	
<i>For >50 To 100, Deduct</i>	-0.53	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.62	
26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.58	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 250, Deduct</i>	-0.92	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-2.27	
26 05 29 00-0347 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.51	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 250, Deduct</i>	-0.92	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-2.26	
26 05 29 00-0348 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	7.70	
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.15	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.82	
26 05 29 00-0349 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	9.74	
<i>For >50 To 100, Deduct</i>	-0.69	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-2.37	
<i>For >500, Deduct</i>	-3.35	
26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.19	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.72	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.78	
26 05 29 00-0352 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.25	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.72	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.79	
26 05 29 00-0353 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	5.01	
<i>For >50 To 100, Deduct</i>	-0.41	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-2.03	
26 05 29 00-0354 Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.48	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.43	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0356 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.55	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.65	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.33	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.52	
<i>For >250 To 500, Deduct</i>	-0.90	
<i>For >500, Deduct</i>	-1.29	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.48	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.53	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.52	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.30	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.55	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.31	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.77	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.33	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.85	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.34	
26 05 29 00-0364 Lead Screw Anchors (26 05 29 00-0330)		
Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	5.80	
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.68	
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	6.88	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.18	
For >500, Deduct	-3.11	
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	9.25	
For >50 To 100, Deduct	-0.81	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-4.01	
26 05 29 00-0368 Acoustical T-Bar Clips (26 05 29 00-0330)		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	9.30	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.55	
26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	9.75	
For >50 To 100, Deduct	-0.76	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.73	
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip	10.59	
For >50 To 100, Deduct	-0.81	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.97	
26 05 29 00-0372 Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0373 Threaded Rod And Rod Accessories (26 05 29 00-0372)		
26 05 29 00-0374 Carbon Steel Threaded Rod (26 05 29 00-0373)		
Note: Includes plain finish.		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.56	0.97
For Galvanized, Add	1.05	
For Zinc Coated, Add	0.75	
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.24	1.03
For Galvanized, Add	1.68	
For Zinc Coated, Add	1.19	
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.62	1.06
For Galvanized, Add	2.60	
For Zinc Coated, Add	1.85	
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.98	1.09
For Galvanized, Add	4.72	
For Zinc Coated, Add	3.36	
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.23	1.13
For Galvanized, Add	5.18	
For Zinc Coated, Add	3.69	
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	20.77	1.27
For Galvanized, Add	7.28	
For Zinc Coated, Add	5.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Galvanized, Add</i> <i>For Zinc Coated, Add</i>	25.80 9.18 6.54	1.42
26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut	12.08	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut	13.66	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut	16.85	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut	20.28	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut	28.94	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut	34.30	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	63.41	
26 05 29 00-0390 Flat Washers (26 05 29 00-0373)		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.03 0.04	0.38
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.30 0.09	0.38
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.67 0.17	0.38
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	2.02 0.24	0.77
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	2.26 0.28	0.77
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	2.67 0.35	0.77
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	2.99 0.39	0.77
26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373) Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket	14.52	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket	17.37	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket	30.33	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket	43.28	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket	46.10	
26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.00 0.03	0.38
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.25 0.07	0.38
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.67 0.17	0.38
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.96 0.22	0.77
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	2.81 0.42	0.77
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	3.55 0.57	0.77
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	5.72 1.08	0.77
26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373) Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	35.61	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	43.95	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	58.79	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	72.72	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	178.49	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	119.04	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	238.95	
26 05 29 00-0420 Attachments (26 05 29 00-0372)		
26 05 29 00-0421 Welded Beam Attachments (26 05 29 00-0420) Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment	65.43	15.39
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment	69.78	16.15
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment	74.26	17.07
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment	94.25	18.15
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment	112.75	19.22
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment	157.37	22.00
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment	221.76	23.07

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0429		C-Clamp Style Beam Clamps <small>(26 05 29 00-0420)</small>		
Note: Type 23. Top or bottom flange mount.				
26 05 29 00-0430	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	23.49	11.56
26 05 29 00-0431	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	27.87	12.32
26 05 29 00-0432	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	31.55	13.20
26 05 29 00-0433	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	40.25	14.21
26 05 29 00-0434	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	57.84	15.40
26 05 29 00-0435		Bottom Mount I-Beam Clamps <small>(26 05 29 00-0420)</small>		
Note: Type 21. For attaching threaded rod centered under beam flanges.				
26 05 29 00-0436	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	62.90	15.40
26 05 29 00-0437	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	91.79	16.80
26 05 29 00-0438	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	130.54	18.49
26 05 29 00-0439	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	156.07	20.53
26 05 29 00-0440	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	374.97	23.10
26 05 29 00-0441		Steel U-Bolts <small>(26 05 29 00-0420)</small>		
Note: Type 24. Includes plate and nuts.				
26 05 29 00-0442	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	19.14	9.24
26 05 29 00-0443	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	20.72	9.73
26 05 29 00-0444	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	22.28	10.27
26 05 29 00-0445	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	25.24	10.87
26 05 29 00-0446	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	26.10	11.56
26 05 29 00-0447	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	27.93	12.32
26 05 29 00-0448	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	39.74	13.20
26 05 29 00-0449	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	43.76	14.21
26 05 29 00-0450	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	52.67	15.40
26 05 29 00-0451		Stainless Steel Threaded Rod <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.63	0.77
For 316 Stainless Steel, Add			1.25	
26 05 29 00-0453	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.99	0.84
For 316 Stainless Steel, Add			2.14	
26 05 29 00-0454	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.99	0.97
For 316 Stainless Steel, Add			2.86	
26 05 29 00-0455	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.49	0.99
For 316 Stainless Steel, Add			4.25	
26 05 29 00-0456	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	14.98	1.03
For 316 Stainless Steel, Add			5.24	
26 05 29 00-0457	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	22.47	1.04
For 316 Stainless Steel, Add			8.25	
26 05 29 00-0458	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.46	1.06
For 316 Stainless Steel, Add			11.88	
26 05 29 00-0459	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	43.29	1.09
For 316 Stainless Steel, Add			16.65	
26 05 29 00-0460	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	55.63	1.27
For 316 Stainless Steel, Add			21.49	
26 05 29 00-0461	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	117.78	1.54
For 316 Stainless Steel, Add			46.40	
26 05 29 00-0462		Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.				
26 05 29 00-0463		Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0462)</small>		
26 05 29 00-0464		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.43	30.76
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.11	33.53
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.03	36.91
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	105.75	41.07
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	121.77	46.15
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.23	50.76
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	157.69	55.38
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	173.34	59.99
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	183.46	64.60
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	198.10	69.22
26 05 29 00-0475		Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.29	30.76
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.41	33.53
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	98.89	36.91
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.26	41.07
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	123.12	46.15
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.91	50.76
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	162.08	55.38
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	179.16	59.99
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	190.79	64.60



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 29 00-0485	EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	199.07	69.22
26 05 29 00-0486		Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
	26 05 29 00-0487	EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.23	30.45
	26 05 29 00-0488	EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.21	33.23
	26 05 29 00-0489	EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.98	36.91
	26 05 29 00-0490	EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.38	40.61
	26 05 29 00-0491	EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	140.34	46.15
	26 05 29 00-0492	EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	153.92	50.76
26 05 29 00-0493		Polyvinyl Chloride (PVC) Coated Conduit Straps <small>(26 05 29 00-0462)</small>		
26 05 29 00-0494		One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0493)</small>		
	26 05 29 00-0495	EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.46	0.92
	26 05 29 00-0496	EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.16	0.92
	26 05 29 00-0497	EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	13.32	0.92
	26 05 29 00-0498	EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.12	0.92
	26 05 29 00-0499	EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.12	0.92
	26 05 29 00-0500	EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.56	0.92
	26 05 29 00-0501	EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	41.94	0.92
	26 05 29 00-0502	EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	56.07	0.92
	26 05 29 00-0503	EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	98.99	0.92
	26 05 29 00-0504	EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	105.18	0.92
26 05 29 00-0505		Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0493)</small>		
	26 05 29 00-0506	EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.68	1.84
	26 05 29 00-0507	EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.75	1.84
	26 05 29 00-0508	EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.17	1.84
	26 05 29 00-0509	EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.44	1.84
	26 05 29 00-0510	EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.03	1.84
	26 05 29 00-0511	EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.18	1.84
	26 05 29 00-0512	EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.24	1.84
	26 05 29 00-0513	EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.50	1.84
	26 05 29 00-0514	EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.47	1.84
	26 05 29 00-0515	EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	34.08	1.84
26 05 29 00-0516		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer <small>(26 05 29 00-0462)</small>		
26 05 29 00-0517		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer <small>(26 05 29 00-0516)</small>		
	26 05 29 00-0518	EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.18	1.84
	26 05 29 00-0519	EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	17.57	1.84
	26 05 29 00-0520	EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	21.93	1.84
	26 05 29 00-0521	EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	25.56	1.84
	26 05 29 00-0522	EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	34.01	1.84
	26 05 29 00-0523	EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	86.00	1.84
	26 05 29 00-0524	EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	82.66	1.84
	26 05 29 00-0525	EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	112.66	1.84
	26 05 29 00-0526	EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	196.74	1.84
	26 05 29 00-0527	EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	196.74	1.84
26 05 29 00-0528		Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories <small>(26 05 29 00-0462)</small>		
26 05 29 00-0529		Polyvinyl Chloride (PVC) Coated Threaded Rod <small>(26 05 29 00-0528)</small>		
	26 05 29 00-0530	LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.43	1.23
	26 05 29 00-0531	LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	12.81	1.38
26 05 29 00-0532		Attachments <small>(26 05 29 00-0462)</small>		
26 05 29 00-0533		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts <small>(26 05 29 00-0532)</small>		
	26 05 29 00-0534	EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.61	9.24
	26 05 29 00-0535	EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	23.41	9.70
	26 05 29 00-0536	EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.66	10.32
	26 05 29 00-0537	EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	26.23	10.93
	26 05 29 00-0538	EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	27.92	11.56
	26 05 29 00-0539	EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	31.16	12.32
	26 05 29 00-0540	EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	43.48	13.25
	26 05 29 00-0541	EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	45.72	14.17
	26 05 29 00-0542	EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	48.82	15.41
	26 05 29 00-0543	EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	77.16	17.56
	26 05 29 00-0544	EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	95.15	20.33
26 05 29 00-0545		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps <small>(26 05 29 00-0532)</small>		
	26 05 29 00-0546	EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	77.96	30.45
	26 05 29 00-0547	EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	89.52	30.45

26 Electrical
26 05 Common Work Results for Electrical
26 05 29 Hangers and Supports for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0548	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	94.29		30.45
26 05 29 00-0549	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	103.60		32.31
26 05 29 00-0550	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	121.01		36.91
26 05 29 00-0551		Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)			
Note: Includes stainless steel nuts and bolts.					
26 05 29 00-0552	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	33.53		10.15
26 05 29 00-0553	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	35.11		11.08
26 05 29 00-0554	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	38.28		12.00
26 05 29 00-0555	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	42.95		13.84
26 05 29 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	49.22		15.69
26 05 29 00-0557	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	55.06		16.61
26 05 29 00-0558	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	60.80		18.46
26 05 29 00-0559	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	72.97		20.31
26 05 29 00-0560	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	80.16		21.23
26 05 29 00-0561	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	83.92		23.07
26 05 29 00-0562	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	89.22		25.85
26 05 29 00-0563		Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)			
26 05 29 00-0564	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	37.05		4.62
26 05 29 00-0565	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	66.27		6.46
26 05 29 00-0566	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	39.68		4.62
26 05 29 00-0567	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	28.97		4.62
26 05 29 00-0568	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	30.60		4.62
26 05 29 00-0569		Polymer Concrete Pads (26 05 29)			
Note: Excludes excavation and backfill.					
26 05 29 00-0570		Polymer Concrete, Box Pads (26 05 29 00-0569)			
26 05 29 00-0571	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,358.12		122.62
26 05 29 00-0572	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,404.11		122.62
26 05 29 00-0573	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,826.68		122.62
26 05 29 00-0574	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,896.74		122.62
26 05 29 00-0575	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,761.46		122.62
26 05 29 00-0576	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,092.34		122.62
26 05 29 00-0577	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,346.05		122.62
26 05 29 00-0578	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,241.44		153.27
26 05 29 00-0579	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,428.86		153.27
26 05 29 00-0580	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,618.14		153.27
26 05 29 00-0581		Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0569)			
26 05 29 00-0582	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	646.71		63.23
26 05 29 00-0583	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	772.33		63.23
26 05 29 00-0584	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,007.47		91.96
26 05 29 00-0585	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,054.16		91.96
26 05 29 00-0586	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,529.44		91.96
26 05 29 00-0587	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,595.49		91.96
26 05 29 00-0588	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,718.58		91.96
26 05 29 00-0589	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,718.58		91.96
26 05 29 00-0590	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,264.91		91.96
26 05 29 00-0591	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,706.13		91.96
26 05 29 00-0592		Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0569)			
26 05 29 00-0593	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	380.64		63.23
26 05 29 00-0594	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	412.94		63.23
26 05 29 00-0595	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	442.36		63.23
26 05 29 00-0596	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	540.07		63.23
26 05 29 00-0597	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	496.47		63.23
26 05 29 00-0598	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	517.01		63.23
26 05 29 00-0599	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	570.29		63.23
26 05 29 00-0600	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	601.36		63.23
26 05 29 00-0601	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	705.14		63.23
26 05 29 00-0602	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	876.09		63.23
26 05 29 00-0603	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,300.46		91.96
26 05 29 00-0604	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,362.95		91.96
26 05 29 00-0605	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,382.66		91.96
26 05 29 00-0606	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,514.00		91.96
26 05 29 00-0607	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,270.84		91.96
26 05 29 00-0608	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,859.29		91.96

26 05 33 Raceway and Boxes for Electrical Systems (26 05)
26 05 33 13 Conduit for Electrical Systems (26 05 33)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0001	Conduit Assemblies With Wire <small>(26 05 33 13)</small>	
	Note: Includes conduit, fittings and wire. Excludes hangers or supports.	
26 05 33 13-0002	Electrical Metallic Tubing (EMT) Conduit Assemblies <small>(26 05 33 13-0001)</small>	
	Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0599 for larger EMT conduit.	
26 05 33 13-0003	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,145.66
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	294.48
	<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.01
26 05 33 13-0004	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,250.06
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	319.79
	<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.01
26 05 33 13-0005	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,354.45
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	345.08
	<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	4.01
26 05 33 13-0006	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,207.98
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	307.13
	<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.01
26 05 33 13-0007	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,336.51
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	336.65
	<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.51
26 05 33 13-0008	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,465.04
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	366.17
	<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	6.02
26 05 33 13-0009	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,347.04
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	332.43
	<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	5.25
26 05 33 13-0010	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,277.71
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	317.42
	<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.01
26 05 33 13-0011	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,382.10
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	342.72
	<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.01
26 05 33 13-0012	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,486.49
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	368.02
26 05 33 13-0013	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,590.89
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	393.32
	<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	5.02
26 05 33 13-0014	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,340.02
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	330.07
	<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.01
26 05 33 13-0015	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,468.55
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i>	359.59
	<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.51

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,597.08 389.10 6.02	453.98
26 05 33	13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,725.61 418.62 7.52	488.42
26 05 33	13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,658.04 393.32 7.87	458.90
26 05 33	13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,836.99 431.27 10.49	503.18
26 05 33	13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,654.27 380.67 8.67	444.14
26 05 33	13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,895.61 427.05 13.01	498.26
26 05 33	13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,462.66 341.71 2.01	398.60
26 05 33	13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,567.05 367.01 3.01	428.12
26 05 33	13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,671.44 392.31	457.64
26 05 33	13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,775.83 417.61 5.02	487.15
26 05 33	13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,524.98 354.36 3.01	413.36
26 05 33	13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,653.50 383.87 4.51	447.80
26 05 33	13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,782.02 413.39 6.02	482.24
26 05 33	13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,910.55 442.91 7.52	516.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0030 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,842.98 417.61 7.87	487.15
26 05 33 13-0031 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,080.57 451.34 13.01	526.51
26 05 33 13-0032 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,321.90 497.72 17.35	580.61
26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0060 for larger RGS conduit.		
26 05 33 13-0034 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,527.87 335.13 2.01	391.01
26 05 33 13-0035 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,632.27 360.43 3.01	420.53
26 05 33 13-0036 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,590.19 347.78 3.01	405.77
26 05 33 13-0037 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,718.72 377.30 4.51	440.20
26 05 33 13-0038 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,729.24 373.08 5.25	435.29
26 05 33 13-0039 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,684.21 357.40 2.01	417.02
26 05 33 13-0040 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,788.61 382.70 3.01	446.53
26 05 33 13-0041 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,893.00 407.99	476.04
26 05 33 13-0042 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,746.53 370.04 3.01	431.78
26 05 33 13-0043 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,875.06 399.56 4.51	466.20
26 05 33 13-0044 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	2,003.58 429.08 6.02	500.64
26 05 33 13-0045 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	2,064.53 433.29 7.87	505.56

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0046 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	2,243.48 471.24 10.49	549.84
26 05 33 13-0047 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	2,060.78 420.64 8.67	490.80
26 05 33 13-0048 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,302.12 467.03 13.01	544.92
26 05 33 13-0049 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2,172.38 426.84 3.01	497.98
26 05 33 13-0050 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	2,276.77 452.14 5.02	527.49
26 05 33 13-0051 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	2,381.16 477.44 5.02	557.01
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	2,258.83 443.71 4.51	517.65
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	2,387.36 473.22 6.02	552.09
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	2,515.89 502.74 7.52	586.53
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	2,448.31 477.44 7.87	557.01
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,685.90 511.17 13.01	596.36
26 05 33 13-0057 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,927.24 557.55 17.35	650.47
26 05 33 13-0058 Conduit <small>(26 05 33 13)</small> Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059 Conduit Installed Above Grade <small>(26 05 33 13-0058)</small> See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <small>(26 05 33 13-0059)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0060)</small> Note: Includes field bending for conduit up to 1".		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0062 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.11	3.10
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.92	
For Installation In Metal Stud Wall, Add	0.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.93	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
For Work In Restricted Working Space, Add	2.32	
For Elevated Installation >10' To 15', Add	0.77	
For Elevated Installation >15' To 20', Add	1.55	
For Elevated Installation >20' To 25', Add	1.93	
For Elevated Installation >25' To 30', Add	2.71	
For Elevated Installation >30' To 35', Add	3.09	
For Elevated Installation >35' To 40', Add	3.87	
For Elevated Installation >40', Add	4.25	
26 05 33 13-0063 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	13.17	3.38
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.09	
For Installation In Metal Stud Wall, Add	0.90	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.25	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.35	
For Work In Restricted Working Space, Add	2.70	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.80	
For Elevated Installation >20' To 25', Add	2.25	
For Elevated Installation >25' To 30', Add	3.15	
For Elevated Installation >30' To 35', Add	3.60	
For Elevated Installation >35' To 40', Add	4.50	
For Elevated Installation >40', Add	4.95	
26 05 33 13-0064 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	18.53	3.94
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.55	
For Installation In Metal Stud Wall, Add	1.21	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.02	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.81	
For Work In Restricted Working Space, Add	3.62	
For Elevated Installation >10' To 15', Add	1.21	
For Elevated Installation >15' To 20', Add	2.42	
For Elevated Installation >20' To 25', Add	3.02	
For Elevated Installation >25' To 30', Add	4.23	
For Elevated Installation >30' To 35', Add	4.83	
For Elevated Installation >35' To 40', Add	6.04	
For Elevated Installation >40', Add	6.64	
26 05 33 13-0065 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	21.39	4.50
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-1.28	
For >1,000, Deduct	-1.82	
For Installation In Metal Stud Wall, Add	1.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.20	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.92	
For Work In Restricted Working Space, Add	3.84	
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.56	
For Elevated Installation >20' To 25', Add	3.20	
For Elevated Installation >25' To 30', Add	4.48	
For Elevated Installation >30' To 35', Add	5.12	
For Elevated Installation >35' To 40', Add	6.40	
For Elevated Installation >40', Add	7.03	
26 05 33 13-0066 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	24.59	5.06
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.11	
For Installation In Metal Stud Wall, Add	1.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.11	
For Work In Restricted Working Space, Add	4.22	
For Elevated Installation >10' To 15', Add	1.41	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.52	
For Elevated Installation >25' To 30', Add	4.92	
For Elevated Installation >30' To 35', Add	5.62	
For Elevated Installation >35' To 40', Add	7.03	
For Elevated Installation >40', Add	7.73	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	31.37	6.18
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-2.71	
For Installation In Metal Stud Wall, Add	1.73	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.59	
For Work In Restricted Working Space, Add	5.18	
For Elevated Installation >10' To 15', Add	1.73	
For Elevated Installation >15' To 20', Add	3.46	
For Elevated Installation >20' To 25', Add	4.32	
For Elevated Installation >25' To 30', Add	6.05	
For Elevated Installation >30' To 35', Add	6.91	
For Elevated Installation >35' To 40', Add	8.64	
For Elevated Installation >40', Add	9.50	
26 05 33 13-0068 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	46.82	8.44
For >250 To 500, Deduct	-1.17	
For >500 To 1,000, Deduct	-2.92	
For >1,000, Deduct	-4.10	
For Installation In Metal Stud Wall, Add	2.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.87	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.52	
For Work In Restricted Working Space, Add	7.04	
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.69	
For Elevated Installation >20' To 25', Add	5.87	
For Elevated Installation >25' To 30', Add	8.21	
For Elevated Installation >30' To 35', Add	9.39	
For Elevated Installation >35' To 40', Add	11.74	
For Elevated Installation >40', Add	12.91	
26 05 33 13-0069 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	61.33	11.24
For >250 To 500, Deduct	-1.49	
For >500 To 1,000, Deduct	-3.81	
For >1,000, Deduct	-5.34	
For Installation In Metal Stud Wall, Add	3.16	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.74	
For Work In Restricted Working Space, Add	9.49	
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.32	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.07	
For Elevated Installation >30' To 35', Add	12.65	
For Elevated Installation >35' To 40', Add	15.81	
For Elevated Installation >40', Add	17.39	
26 05 33 13-0070 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	73.78	14.06
For >250 To 500, Deduct	-1.81	
For >500 To 1,000, Deduct	-4.60	
For >1,000, Deduct	-6.44	
For Installation In Metal Stud Wall, Add	3.75	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.38	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.63	
For Work In Restricted Working Space, Add	11.26	
For Elevated Installation >10' To 15', Add	3.75	
For Elevated Installation >15' To 20', Add	7.51	
For Elevated Installation >20' To 25', Add	9.38	
For Elevated Installation >25' To 30', Add	13.14	
For Elevated Installation >30' To 35', Add	15.01	
For Elevated Installation >35' To 40', Add	18.77	
For Elevated Installation >40', Add	20.64	
26 05 33 13-0071 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	87.57	16.86
For >250 To 500, Deduct	-2.21	
For >500 To 1,000, Deduct	-5.49	
For >1,000, Deduct	-7.67	
For Installation In Metal Stud Wall, Add	4.33	
For Installation In Wood Stud Wall (Includes Drilling), Add	10.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.49	
For Work In Restricted Working Space, Add	12.99	
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.66	
For Elevated Installation >20' To 25', Add	10.82	
For Elevated Installation >25' To 30', Add	15.15	
For Elevated Installation >30' To 35', Add	17.32	
For Elevated Installation >35' To 40', Add	21.65	
For Elevated Installation >40', Add	23.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0072 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	138.90	21.36
<i>For >250 To 500, Deduct</i>	-4.27	
<i>For >500 To 1,000, Deduct</i>	-9.08	
<i>For >1,000, Deduct</i>	-12.55	
<i>For Installation In Metal Stud Wall, Add</i>	5.34	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	13.35	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	8.01	
<i>For Work In Restricted Working Space, Add</i>	16.02	
<i>For Elevated Installation >10' To 15', Add</i>	5.34	
<i>For Elevated Installation >15' To 20', Add</i>	10.68	
<i>For Elevated Installation >20' To 25', Add</i>	13.35	
<i>For Elevated Installation >25' To 30', Add</i>	18.69	
<i>For Elevated Installation >30' To 35', Add</i>	21.36	
<i>For Elevated Installation >35' To 40', Add</i>	26.71	
<i>For Elevated Installation >40', Add</i>	29.38	
26 05 33 13-0073 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	187.62	26.98
<i>For >250 To 500, Deduct</i>	-6.01	
<i>For >500 To 1,000, Deduct</i>	-12.38	
<i>For >1,000, Deduct</i>	-17.08	
<i>For Installation In Metal Stud Wall, Add</i>	6.75	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	16.87	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	20.24	
<i>For Elevated Installation >10' To 15', Add</i>	6.75	
<i>For Elevated Installation >15' To 20', Add</i>	13.49	
<i>For Elevated Installation >20' To 25', Add</i>	16.87	
<i>For Elevated Installation >25' To 30', Add</i>	23.61	
<i>For Elevated Installation >30' To 35', Add</i>	26.99	
<i>For Elevated Installation >35' To 40', Add</i>	33.74	
<i>For Elevated Installation >40', Add</i>	37.11	
26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0060)</small>		
<i>See CSI section 26 05 33 13-2319 for conduit field bending.</i>		
26 05 33 13-0075 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	40.40	13.92
<i>For Work In Restricted Working Space, Add</i>	10.47	
<i>For Elevated Installation >10' To 15', Add</i>	3.49	
<i>For Elevated Installation >15' To 20', Add</i>	6.98	
<i>For Elevated Installation >20' To 25', Add</i>	8.73	
<i>For Elevated Installation >25' To 30', Add</i>	12.22	
<i>For Elevated Installation >30' To 35', Add</i>	13.96	
<i>For Elevated Installation >35' To 40', Add</i>	17.45	
<i>For Elevated Installation >40', Add</i>	19.20	
26 05 33 13-0076 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	50.64	17.28
<i>For Work In Restricted Working Space, Add</i>	13.02	
<i>For Elevated Installation >10' To 15', Add</i>	4.34	
<i>For Elevated Installation >15' To 20', Add</i>	8.68	
<i>For Elevated Installation >20' To 25', Add</i>	10.85	
<i>For Elevated Installation >25' To 30', Add</i>	15.19	
<i>For Elevated Installation >30' To 35', Add</i>	17.36	
<i>For Elevated Installation >35' To 40', Add</i>	21.70	
<i>For Elevated Installation >40', Add</i>	23.86	
26 05 33 13-0077 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	64.07	21.22
<i>For Work In Restricted Working Space, Add</i>	15.87	
<i>For Elevated Installation >10' To 15', Add</i>	5.29	
<i>For Elevated Installation >15' To 20', Add</i>	10.58	
<i>For Elevated Installation >20' To 25', Add</i>	13.23	
<i>For Elevated Installation >25' To 30', Add</i>	18.52	
<i>For Elevated Installation >30' To 35', Add</i>	21.16	
<i>For Elevated Installation >35' To 40', Add</i>	26.46	
<i>For Elevated Installation >40', Add</i>	29.10	
26 05 33 13-0078 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	80.53	24.60
<i>For Work In Restricted Working Space, Add</i>	18.43	
<i>For Elevated Installation >10' To 15', Add</i>	6.14	
<i>For Elevated Installation >15' To 20', Add</i>	12.29	
<i>For Elevated Installation >20' To 25', Add</i>	15.36	
<i>For Elevated Installation >25' To 30', Add</i>	21.50	
<i>For Elevated Installation >30' To 35', Add</i>	24.58	
<i>For Elevated Installation >35' To 40', Add</i>	30.72	
<i>For Elevated Installation >40', Add</i>	33.79	
26 05 33 13-0079 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	93.28	28.25
<i>For Work In Restricted Working Space, Add</i>	21.16	
<i>For Elevated Installation >10' To 15', Add</i>	7.05	
<i>For Elevated Installation >15' To 20', Add</i>	14.10	
<i>For Elevated Installation >20' To 25', Add</i>	17.63	
<i>For Elevated Installation >25' To 30', Add</i>	24.68	
<i>For Elevated Installation >30' To 35', Add</i>	28.21	
<i>For Elevated Installation >35' To 40', Add</i>	35.26	
<i>For Elevated Installation >40', Add</i>	38.79	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	108.86	31.06
For Work In Restricted Working Space, Add	23.27	
For Elevated Installation >10' To 15', Add	7.76	
For Elevated Installation >15' To 20', Add	15.51	
For Elevated Installation >20' To 25', Add	19.39	
For Elevated Installation >25' To 30', Add	27.15	
For Elevated Installation >30' To 35', Add	31.03	
For Elevated Installation >35' To 40', Add	38.79	
For Elevated Installation >40', Add	42.66	
26 05 33 13-0081 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	152.73	38.79
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
26 05 33 13-0082 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	215.12	52.85
For Work In Restricted Working Space, Add	39.63	
For Elevated Installation >10' To 15', Add	13.21	
For Elevated Installation >15' To 20', Add	26.42	
For Elevated Installation >20' To 25', Add	33.03	
For Elevated Installation >25' To 30', Add	46.24	
For Elevated Installation >30' To 35', Add	52.84	
For Elevated Installation >35' To 40', Add	66.05	
For Elevated Installation >40', Add	72.66	
26 05 33 13-0083 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	278.79	59.59
For Work In Restricted Working Space, Add	44.70	
For Elevated Installation >10' To 15', Add	14.90	
For Elevated Installation >15' To 20', Add	29.80	
For Elevated Installation >20' To 25', Add	37.25	
For Elevated Installation >25' To 30', Add	52.15	
For Elevated Installation >30' To 35', Add	59.60	
For Elevated Installation >35' To 40', Add	74.50	
For Elevated Installation >40', Add	81.95	
26 05 33 13-0084 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	343.49	77.59
For Work In Restricted Working Space, Add	58.18	
For Elevated Installation >10' To 15', Add	19.39	
For Elevated Installation >15' To 20', Add	38.78	
For Elevated Installation >20' To 25', Add	48.48	
For Elevated Installation >25' To 30', Add	67.87	
For Elevated Installation >30' To 35', Add	77.57	
For Elevated Installation >35' To 40', Add	96.96	
For Elevated Installation >40', Add	106.66	
26 05 33 13-0085 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	561.67	126.49
For Work In Restricted Working Space, Add	94.88	
For Elevated Installation >10' To 15', Add	31.63	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.69	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.13	
For Elevated Installation >40', Add	173.94	
26 05 33 13-0086 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	844.31	190.02
For Work In Restricted Working Space, Add	142.51	
For Elevated Installation >10' To 15', Add	47.50	
For Elevated Installation >15' To 20', Add	95.01	
For Elevated Installation >20' To 25', Add	118.76	
For Elevated Installation >25' To 30', Add	166.26	
For Elevated Installation >30' To 35', Add	190.01	
For Elevated Installation >35' To 40', Add	237.52	
For Elevated Installation >40', Add	261.27	
26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0088 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	40.40	13.92
For Work In Restricted Working Space, Add	10.47	
For Elevated Installation >10' To 15', Add	3.49	
For Elevated Installation >15' To 20', Add	6.98	
For Elevated Installation >20' To 25', Add	8.73	
For Elevated Installation >25' To 30', Add	12.22	
For Elevated Installation >30' To 35', Add	13.96	
For Elevated Installation >35' To 40', Add	17.45	
For Elevated Installation >40', Add	19.20	
26 05 33 13-0089 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	50.64	17.28
For Work In Restricted Working Space, Add	13.02	
For Elevated Installation >10' To 15', Add	4.34	
For Elevated Installation >15' To 20', Add	8.68	
For Elevated Installation >20' To 25', Add	10.85	
For Elevated Installation >25' To 30', Add	15.19	
For Elevated Installation >30' To 35', Add	17.36	
For Elevated Installation >35' To 40', Add	21.70	
For Elevated Installation >40', Add	23.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	64.07	21.22
For Work In Restricted Working Space, Add	15.87	
For Elevated Installation >10' To 15', Add	5.29	
For Elevated Installation >15' To 20', Add	10.58	
For Elevated Installation >20' To 25', Add	13.23	
For Elevated Installation >25' To 30', Add	18.52	
For Elevated Installation >30' To 35', Add	21.16	
For Elevated Installation >35' To 40', Add	26.46	
For Elevated Installation >40', Add	29.10	
26 05 33 13-0091 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	80.53	24.60
For Work In Restricted Working Space, Add	18.43	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.29	
For Elevated Installation >20' To 25', Add	15.36	
For Elevated Installation >25' To 30', Add	21.50	
For Elevated Installation >30' To 35', Add	24.58	
For Elevated Installation >35' To 40', Add	30.72	
For Elevated Installation >40', Add	33.79	
26 05 33 13-0092 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	93.28	28.25
For Work In Restricted Working Space, Add	21.16	
For Elevated Installation >10' To 15', Add	7.05	
For Elevated Installation >15' To 20', Add	14.10	
For Elevated Installation >20' To 25', Add	17.63	
For Elevated Installation >25' To 30', Add	24.68	
For Elevated Installation >30' To 35', Add	28.21	
For Elevated Installation >35' To 40', Add	35.26	
For Elevated Installation >40', Add	38.79	
26 05 33 13-0093 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	108.86	31.06
For Work In Restricted Working Space, Add	23.27	
For Elevated Installation >10' To 15', Add	7.76	
For Elevated Installation >15' To 20', Add	15.51	
For Elevated Installation >20' To 25', Add	19.39	
For Elevated Installation >25' To 30', Add	27.15	
For Elevated Installation >30' To 35', Add	31.03	
For Elevated Installation >35' To 40', Add	38.79	
For Elevated Installation >40', Add	42.66	
26 05 33 13-0094 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	150.47	38.79
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
26 05 33 13-0095 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	206.30	52.85
For Work In Restricted Working Space, Add	39.63	
For Elevated Installation >10' To 15', Add	13.21	
For Elevated Installation >15' To 20', Add	26.42	
For Elevated Installation >20' To 25', Add	33.03	
For Elevated Installation >25' To 30', Add	46.24	
For Elevated Installation >30' To 35', Add	52.84	
For Elevated Installation >35' To 40', Add	66.05	
For Elevated Installation >40', Add	72.66	
26 05 33 13-0096 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	266.39	59.59
For Work In Restricted Working Space, Add	44.70	
For Elevated Installation >10' To 15', Add	14.90	
For Elevated Installation >15' To 20', Add	29.80	
For Elevated Installation >20' To 25', Add	37.25	
For Elevated Installation >25' To 30', Add	52.15	
For Elevated Installation >30' To 35', Add	59.60	
For Elevated Installation >35' To 40', Add	74.50	
For Elevated Installation >40', Add	81.95	
26 05 33 13-0097 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	327.00	77.59
For Work In Restricted Working Space, Add	58.18	
For Elevated Installation >10' To 15', Add	19.39	
For Elevated Installation >15' To 20', Add	38.78	
For Elevated Installation >20' To 25', Add	48.48	
For Elevated Installation >25' To 30', Add	67.87	
For Elevated Installation >30' To 35', Add	77.57	
For Elevated Installation >35' To 40', Add	96.96	
For Elevated Installation >40', Add	106.66	
26 05 33 13-0098 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	561.67	126.49
For Work In Restricted Working Space, Add	94.88	
For Elevated Installation >10' To 15', Add	31.63	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.69	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.13	
For Elevated Installation >40', Add	173.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0099 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	844.31	190.02
For Work In Restricted Working Space, Add	142.51	
For Elevated Installation >10' To 15', Add	47.50	
For Elevated Installation >15' To 20', Add	95.01	
For Elevated Installation >20' To 25', Add	118.76	
For Elevated Installation >25' To 30', Add	166.26	
For Elevated Installation >30' To 35', Add	190.01	
For Elevated Installation >35' To 40', Add	237.52	
For Elevated Installation >40', Add	261.27	
26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0101 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	96.01	34.72
For Work In Restricted Working Space, Add	20.83	
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
26 05 33 13-0102 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	110.73	40.20
For Work In Restricted Working Space, Add	24.12	
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
26 05 33 13-0103 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	127.70	45.68
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
26 05 33 13-0104 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	143.31	50.25
For Work In Restricted Working Space, Add	30.15	
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0106 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	102.90	34.72
For Work In Restricted Working Space, Add	20.83	
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
26 05 33 13-0107 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	119.59	40.20
For Work In Restricted Working Space, Add	24.12	
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
26 05 33 13-0108 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	131.74	45.68
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0109 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	147.82	50.25
For Work In Restricted Working Space, Add	30.15	
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
26 05 33 13-0110 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	194.76	63.04
For Work In Restricted Working Space, Add	37.82	
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
26 05 33 13-0111 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	262.60	85.87
For Work In Restricted Working Space, Add	51.53	
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0113 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	103.23	34.72
For Work In Restricted Working Space, Add	20.83	
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
26 05 33 13-0114 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	118.71	40.20
For Work In Restricted Working Space, Add	24.12	
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
26 05 33 13-0115 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	136.10	45.68
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
26 05 33 13-0116 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	157.58	50.25
For Work In Restricted Working Space, Add	30.15	
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
26 05 33 13-0117 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	203.86	63.04
For Work In Restricted Working Space, Add	37.82	
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
26 05 33 13-0118 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	269.93	85.87
For Work In Restricted Working Space, Add	51.53	
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0119 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	332.46	96.84
For Work In Restricted Working Space, Add	58.10	
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
26 05 33 13-0120 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	407.23	126.07
For Work In Restricted Working Space, Add	75.65	
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.26	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.69	
26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0122 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	114.22	34.72
For Work In Restricted Working Space, Add	20.83	
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
26 05 33 13-0123 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	129.50	40.20
For Work In Restricted Working Space, Add	24.12	
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
26 05 33 13-0124 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	144.18	45.68
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
26 05 33 13-0125 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	169.49	50.25
For Work In Restricted Working Space, Add	30.15	
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
26 05 33 13-0126 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	220.10	63.04
For Work In Restricted Working Space, Add	37.82	
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
26 05 33 13-0127 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	295.39	85.87
For Work In Restricted Working Space, Add	51.53	
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
26 05 33 13-0128 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	357.21	96.84
For Work In Restricted Working Space, Add	58.10	
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	426.96	126.07
<i>For Work In Restricted Working Space, Add</i>	75.65	
<i>For Elevated Installation >10' To 15', Add</i>	25.22	
<i>For Elevated Installation >15' To 20', Add</i>	50.43	
<i>For Elevated Installation >20' To 25', Add</i>	63.04	
<i>For Elevated Installation >25' To 30', Add</i>	88.26	
<i>For Elevated Installation >30' To 35', Add</i>	100.86	
<i>For Elevated Installation >35' To 40', Add</i>	126.08	
<i>For Elevated Installation >40', Add</i>	138.69	
26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0131 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	113.55	34.72
<i>For Work In Restricted Working Space, Add</i>	20.83	
<i>For Elevated Installation >10' To 15', Add</i>	6.94	
<i>For Elevated Installation >15' To 20', Add</i>	13.89	
<i>For Elevated Installation >20' To 25', Add</i>	17.36	
<i>For Elevated Installation >25' To 30', Add</i>	24.30	
<i>For Elevated Installation >30' To 35', Add</i>	27.77	
<i>For Elevated Installation >35' To 40', Add</i>	34.72	
<i>For Elevated Installation >40', Add</i>	38.19	
26 05 33 13-0132 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	137.51	40.20
<i>For Work In Restricted Working Space, Add</i>	24.12	
<i>For Elevated Installation >10' To 15', Add</i>	8.04	
<i>For Elevated Installation >15' To 20', Add</i>	16.08	
<i>For Elevated Installation >20' To 25', Add</i>	20.10	
<i>For Elevated Installation >25' To 30', Add</i>	28.14	
<i>For Elevated Installation >30' To 35', Add</i>	32.16	
<i>For Elevated Installation >35' To 40', Add</i>	40.20	
<i>For Elevated Installation >40', Add</i>	44.21	
26 05 33 13-0133 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	152.86	45.68
<i>For Work In Restricted Working Space, Add</i>	27.41	
<i>For Elevated Installation >10' To 15', Add</i>	9.14	
<i>For Elevated Installation >15' To 20', Add</i>	18.27	
<i>For Elevated Installation >20' To 25', Add</i>	22.84	
<i>For Elevated Installation >25' To 30', Add</i>	31.98	
<i>For Elevated Installation >30' To 35', Add</i>	36.54	
<i>For Elevated Installation >35' To 40', Add</i>	45.68	
<i>For Elevated Installation >40', Add</i>	50.25	
26 05 33 13-0134 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	180.83	50.25
<i>For Work In Restricted Working Space, Add</i>	30.15	
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.12	
<i>For Elevated Installation >25' To 30', Add</i>	35.17	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.27	
26 05 33 13-0135 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	235.67	63.04
<i>For Work In Restricted Working Space, Add</i>	37.82	
<i>For Elevated Installation >10' To 15', Add</i>	12.61	
<i>For Elevated Installation >15' To 20', Add</i>	25.21	
<i>For Elevated Installation >20' To 25', Add</i>	31.52	
<i>For Elevated Installation >25' To 30', Add</i>	44.12	
<i>For Elevated Installation >30' To 35', Add</i>	50.43	
<i>For Elevated Installation >35' To 40', Add</i>	63.04	
<i>For Elevated Installation >40', Add</i>	69.34	
26 05 33 13-0136 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	315.49	85.87
<i>For Work In Restricted Working Space, Add</i>	51.53	
<i>For Elevated Installation >10' To 15', Add</i>	17.18	
<i>For Elevated Installation >15' To 20', Add</i>	34.35	
<i>For Elevated Installation >20' To 25', Add</i>	42.94	
<i>For Elevated Installation >25' To 30', Add</i>	60.11	
<i>For Elevated Installation >30' To 35', Add</i>	68.70	
<i>For Elevated Installation >35' To 40', Add</i>	85.88	
<i>For Elevated Installation >40', Add</i>	94.46	
26 05 33 13-0137 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	381.67	96.84
<i>For Work In Restricted Working Space, Add</i>	58.10	
<i>For Elevated Installation >10' To 15', Add</i>	19.37	
<i>For Elevated Installation >15' To 20', Add</i>	38.74	
<i>For Elevated Installation >20' To 25', Add</i>	48.42	
<i>For Elevated Installation >25' To 30', Add</i>	67.79	
<i>For Elevated Installation >30' To 35', Add</i>	77.47	
<i>For Elevated Installation >35' To 40', Add</i>	96.84	
<i>For Elevated Installation >40', Add</i>	106.52	
26 05 33 13-0138 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	463.17	126.07
<i>For Work In Restricted Working Space, Add</i>	75.65	
<i>For Elevated Installation >10' To 15', Add</i>	25.22	
<i>For Elevated Installation >15' To 20', Add</i>	50.43	
<i>For Elevated Installation >20' To 25', Add</i>	63.04	
<i>For Elevated Installation >25' To 30', Add</i>	88.26	
<i>For Elevated Installation >30' To 35', Add</i>	100.86	
<i>For Elevated Installation >35' To 40', Add</i>	126.08	
<i>For Elevated Installation >40', Add</i>	138.69	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0139 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	682.14 123.33 41.11 82.22 102.78 143.89 164.44 205.56 226.11	205.55
26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0060)</small> See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0141 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	119.42 20.83 6.94 13.89 17.36 24.30 27.77 34.72 38.19	34.72
26 05 33 13-0142 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	141.46 24.12 8.04 16.08 20.10 28.14 32.16 40.20 44.21	40.20
26 05 33 13-0143 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	168.07 27.41 9.14 18.27 22.84 31.98 36.54 45.68 50.25	45.68
26 05 33 13-0144 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	189.69 30.15 10.05 20.10 25.12 35.17 40.20 50.25 55.27	50.25
26 05 33 13-0145 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	254.15 37.82 12.61 25.21 31.52 44.12 50.43 63.04 69.34	63.04
26 05 33 13-0146 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	332.68 51.53 17.18 34.35 42.94 60.11 68.70 85.88 94.46	85.87
26 05 33 13-0147 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	413.27 58.10 19.37 38.74 48.42 67.79 77.47 96.84 106.52	96.84
26 05 33 13-0148 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	480.21 75.65 25.22 50.43 63.04 88.26 100.86 126.08 138.69	126.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0149 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	821.13	205.55
For Work In Restricted Working Space, Add	123.33	
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
26 05 33 13-0150 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,068.04	308.79
For Work In Restricted Working Space, Add	185.27	
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0152 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	128.02	34.72
For Work In Restricted Working Space, Add	20.83	
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
26 05 33 13-0153 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	151.97	40.20
For Work In Restricted Working Space, Add	24.12	
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.22	
26 05 33 13-0154 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	179.23	45.68
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
26 05 33 13-0155 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	201.36	50.25
For Work In Restricted Working Space, Add	30.15	
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
26 05 33 13-0156 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	268.27	63.04
For Work In Restricted Working Space, Add	37.82	
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
26 05 33 13-0157 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	357.87	85.87
For Work In Restricted Working Space, Add	51.53	
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
26 05 33 13-0158 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	438.53	96.84
For Work In Restricted Working Space, Add	58.10	
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0159 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	552.89	126.07
For Work In Restricted Working Space, Add	75.65	
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.26	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.69	
26 05 33 13-0160 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	921.40	205.55
For Work In Restricted Working Space, Add	123.33	
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
26 05 33 13-0161 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,154.86	308.79
For Work In Restricted Working Space, Add	185.27	
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0163 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	135.18	34.72
For Work In Restricted Working Space, Add	20.83	
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
26 05 33 13-0164 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	160.06	40.20
For Work In Restricted Working Space, Add	24.12	
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.22	
26 05 33 13-0165 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	186.29	45.68
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
26 05 33 13-0166 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	223.17	50.25
For Work In Restricted Working Space, Add	30.15	
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
26 05 33 13-0167 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	294.33	63.04
For Work In Restricted Working Space, Add	37.82	
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
26 05 33 13-0168 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	383.25	85.87
For Work In Restricted Working Space, Add	51.53	
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0169 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	470.29	96.84
For Work In Restricted Working Space, Add	58.10	
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
26 05 33 13-0170 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	591.47	126.07
For Work In Restricted Working Space, Add	75.65	
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.26	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.69	
26 05 33 13-0171 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	952.80	205.55
For Work In Restricted Working Space, Add	123.33	
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
26 05 33 13-0172 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,172.43	308.79
For Work In Restricted Working Space, Add	185.27	
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0060)</small>		
26 05 33 13-0174 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	18.31	8.96
For Work In Restricted Working Space, Add	5.38	
For Elevated Installation >10' To 15', Add	1.79	
For Elevated Installation >15' To 20', Add	3.58	
For Elevated Installation >20' To 25', Add	4.48	
For Elevated Installation >25' To 30', Add	6.27	
For Elevated Installation >30' To 35', Add	7.17	
For Elevated Installation >35' To 40', Add	8.96	
For Elevated Installation >40', Add	9.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.38	
26 05 33 13-0175 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	19.63	9.56
For Work In Restricted Working Space, Add	5.74	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.82	
For Elevated Installation >20' To 25', Add	4.78	
For Elevated Installation >25' To 30', Add	6.69	
For Elevated Installation >30' To 35', Add	7.65	
For Elevated Installation >35' To 40', Add	9.56	
For Elevated Installation >40', Add	10.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-0176 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	22.28	10.75
For Work In Restricted Working Space, Add	6.45	
For Elevated Installation >10' To 15', Add	2.15	
For Elevated Installation >15' To 20', Add	4.30	
For Elevated Installation >20' To 25', Add	5.38	
For Elevated Installation >25' To 30', Add	7.53	
For Elevated Installation >30' To 35', Add	8.60	
For Elevated Installation >35' To 40', Add	10.75	
For Elevated Installation >40', Add	11.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-0177 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	25.02	11.94
For Work In Restricted Working Space, Add	7.17	
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.56	
For Elevated Installation >35' To 40', Add	11.95	
For Elevated Installation >40', Add	13.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0178 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	31.41	14.93
For Work In Restricted Working Space, Add	8.96	
For Elevated Installation >10' To 15', Add	2.99	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.47	
For Elevated Installation >25' To 30', Add	10.45	
For Elevated Installation >30' To 35', Add	11.95	
For Elevated Installation >35' To 40', Add	14.94	
For Elevated Installation >40', Add	16.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.96	
26 05 33 13-0179 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	38.69	17.92
For Work In Restricted Working Space, Add	10.75	
For Elevated Installation >10' To 15', Add	3.58	
For Elevated Installation >15' To 20', Add	7.17	
For Elevated Installation >20' To 25', Add	8.96	
For Elevated Installation >25' To 30', Add	12.54	
For Elevated Installation >30' To 35', Add	14.34	
For Elevated Installation >35' To 40', Add	17.92	
For Elevated Installation >40', Add	19.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.75	
26 05 33 13-0180 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	48.11	20.91
For Work In Restricted Working Space, Add	12.54	
For Elevated Installation >10' To 15', Add	4.18	
For Elevated Installation >15' To 20', Add	8.36	
For Elevated Installation >20' To 25', Add	10.45	
For Elevated Installation >25' To 30', Add	14.63	
For Elevated Installation >30' To 35', Add	16.72	
For Elevated Installation >35' To 40', Add	20.91	
For Elevated Installation >40', Add	23.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-0181 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	54.43	23.90
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	
26 05 33 13-0182 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	62.98	22.49
For Work In Restricted Working Space, Add	16.13	
For Elevated Installation >10' To 15', Add	5.38	
For Elevated Installation >15' To 20', Add	10.75	
For Elevated Installation >20' To 25', Add	13.44	
For Elevated Installation >25' To 30', Add	18.82	
For Elevated Installation >30' To 35', Add	21.50	
For Elevated Installation >35' To 40', Add	26.88	
For Elevated Installation >40', Add	29.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.13	
26 05 33 13-0183 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	69.89	29.87
For Work In Restricted Working Space, Add	17.92	
For Elevated Installation >10' To 15', Add	5.97	
For Elevated Installation >15' To 20', Add	11.95	
For Elevated Installation >20' To 25', Add	14.93	
For Elevated Installation >25' To 30', Add	20.91	
For Elevated Installation >30' To 35', Add	23.89	
For Elevated Installation >35' To 40', Add	29.87	
For Elevated Installation >40', Add	32.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.92	
26 05 33 13-0184 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	83.03	32.86
For Work In Restricted Working Space, Add	19.71	
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.14	
For Elevated Installation >20' To 25', Add	16.43	
For Elevated Installation >25' To 30', Add	23.00	
For Elevated Installation >30' To 35', Add	26.28	
For Elevated Installation >35' To 40', Add	32.86	
For Elevated Installation >40', Add	36.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.71	
26 05 33 13-0185 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	115.55	35.84
For Work In Restricted Working Space, Add	21.50	
For Elevated Installation >10' To 15', Add	7.17	
For Elevated Installation >15' To 20', Add	14.34	
For Elevated Installation >20' To 25', Add	17.92	
For Elevated Installation >25' To 30', Add	25.09	
For Elevated Installation >30' To 35', Add	28.67	
For Elevated Installation >35' To 40', Add	35.84	
For Elevated Installation >40', Add	39.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.50	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0187 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	22.04	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0188 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	23.90	11.24
For Work In Restricted Working Space, Add	6.75	
For Elevated Installation >10' To 15', Add	2.25	
For Elevated Installation >15' To 20', Add	4.50	
For Elevated Installation >20' To 25', Add	5.62	
For Elevated Installation >25' To 30', Add	7.87	
For Elevated Installation >30' To 35', Add	9.00	
For Elevated Installation >35' To 40', Add	11.25	
For Elevated Installation >40', Add	12.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0189 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	27.74	12.65
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.59	
26 05 33 13-0190 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	31.13	14.06
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 05 33 13-0191 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	39.60	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0192 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	46.96	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0193 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	64.27	24.60
For Work In Restricted Working Space, Add	14.76	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-0194 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing	76.01	28.11
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0195 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	109.46	31.62
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-0196 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing.....	145.22	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0197 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing.....	190.98	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-0198 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing.....	276.19	42.16
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0060)</small>		
26 05 33 13-0200 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	23.18	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0201 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	25.61	11.24
For Work In Restricted Working Space, Add	6.75	
For Elevated Installation >10' To 15', Add	2.25	
For Elevated Installation >15' To 20', Add	4.50	
For Elevated Installation >20' To 25', Add	5.62	
For Elevated Installation >25' To 30', Add	7.87	
For Elevated Installation >30' To 35', Add	9.00	
For Elevated Installation >35' To 40', Add	11.25	
For Elevated Installation >40', Add	12.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0202 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	29.90	12.65
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.59	
26 05 33 13-0203 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	34.77	14.06
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	43.40	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0205 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	53.69	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0206 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	73.40	24.60
For Work In Restricted Working Space, Add	14.76	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-0207 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	86.71	28.11
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.87	
26 05 33 13-0208 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	111.45	31.62
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-0209 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	154.13	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0210 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	200.69	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-0211 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	279.62	42.16
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0060)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	33.77	12.65
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.59	
26 05 33 13-0214 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	37.78	14.06
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 05 33 13-0215 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	42.98	15.46
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.28	
26 05 33 13-0216 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	50.74	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0217 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	61.57	21.78
For Work In Restricted Working Space, Add	13.07	
For Elevated Installation >10' To 15', Add	4.36	
For Elevated Installation >15' To 20', Add	8.71	
For Elevated Installation >20' To 25', Add	10.89	
For Elevated Installation >25' To 30', Add	15.25	
For Elevated Installation >30' To 35', Add	17.43	
For Elevated Installation >35' To 40', Add	21.79	
For Elevated Installation >40', Add	23.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.07	
26 05 33 13-0218 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	77.01	26.00
For Work In Restricted Working Space, Add	15.60	
For Elevated Installation >10' To 15', Add	5.20	
For Elevated Installation >15' To 20', Add	10.40	
For Elevated Installation >20' To 25', Add	13.00	
For Elevated Installation >25' To 30', Add	18.20	
For Elevated Installation >30' To 35', Add	20.80	
For Elevated Installation >35' To 40', Add	26.00	
For Elevated Installation >40', Add	28.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.60	
26 05 33 13-0219 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	101.30	30.22
For Work In Restricted Working Space, Add	18.13	
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 05 33 13-0220 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	112.42	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0221 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	126.98	39.36
For Work In Restricted Working Space, Add	23.61	
For Elevated Installation >10' To 15', Add	7.87	
For Elevated Installation >15' To 20', Add	15.74	
For Elevated Installation >20' To 25', Add	19.68	
For Elevated Installation >25' To 30', Add	27.55	
For Elevated Installation >30' To 35', Add	31.48	
For Elevated Installation >35' To 40', Add	39.36	
For Elevated Installation >40', Add	43.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.61	
26 05 33 13-0222 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	161.03	43.57
For Work In Restricted Working Space, Add	26.14	
For Elevated Installation >10' To 15', Add	8.71	
For Elevated Installation >15' To 20', Add	17.43	
For Elevated Installation >20' To 25', Add	21.79	
For Elevated Installation >25' To 30', Add	30.50	
For Elevated Installation >30' To 35', Add	34.86	
For Elevated Installation >35' To 40', Add	43.57	
For Elevated Installation >40', Add	47.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.14	
26 05 33 13-0223 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	222.76	47.79
For Work In Restricted Working Space, Add	28.67	
For Elevated Installation >10' To 15', Add	9.56	
For Elevated Installation >15' To 20', Add	19.11	
For Elevated Installation >20' To 25', Add	23.89	
For Elevated Installation >25' To 30', Add	33.45	
For Elevated Installation >30' To 35', Add	38.23	
For Elevated Installation >35' To 40', Add	47.79	
For Elevated Installation >40', Add	52.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.67	
26 05 33 13-0224 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	301.47	52.71
For Work In Restricted Working Space, Add	31.62	
For Elevated Installation >10' To 15', Add	10.54	
For Elevated Installation >15' To 20', Add	21.08	
For Elevated Installation >20' To 25', Add	26.35	
For Elevated Installation >25' To 30', Add	36.89	
For Elevated Installation >30' To 35', Add	42.16	
For Elevated Installation >35' To 40', Add	52.71	
For Elevated Installation >40', Add	57.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.62	
26 05 33 13-0225 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0060)</small>		
26 05 33 13-0226 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	21.46	6.46
For Work In Restricted Working Space, Add	4.81	
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.21	
For Elevated Installation >20' To 25', Add	4.01	
For Elevated Installation >25' To 30', Add	5.61	
For Elevated Installation >30' To 35', Add	6.42	
For Elevated Installation >35' To 40', Add	8.02	
For Elevated Installation >40', Add	8.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0227 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	26.10	7.44
For Work In Restricted Working Space, Add	5.57	
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.71	
For Elevated Installation >20' To 25', Add	4.64	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-0228 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	34.40	9.00
For Work In Restricted Working Space, Add	6.72	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.48	
For Elevated Installation >20' To 25', Add	5.60	
For Elevated Installation >25' To 30', Add	7.84	
For Elevated Installation >30' To 35', Add	8.96	
For Elevated Installation >35' To 40', Add	11.20	
For Elevated Installation >40', Add	12.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 05 33 13-0229 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	51.39	11.10
For Work In Restricted Working Space, Add	8.36	
For Elevated Installation >10' To 15', Add	2.79	
For Elevated Installation >15' To 20', Add	5.57	
For Elevated Installation >20' To 25', Add	6.96	
For Elevated Installation >25' To 30', Add	9.75	
For Elevated Installation >30' To 35', Add	11.14	
For Elevated Installation >35' To 40', Add	13.93	
For Elevated Installation >40', Add	15.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0230 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	69.61	14.90
For Work In Restricted Working Space, Add	11.18	
For Elevated Installation >10' To 15', Add	3.73	
For Elevated Installation >15' To 20', Add	7.46	
For Elevated Installation >20' To 25', Add	9.32	
For Elevated Installation >25' To 30', Add	13.05	
For Elevated Installation >30' To 35', Add	14.91	
For Elevated Installation >35' To 40', Add	18.64	
For Elevated Installation >40', Add	20.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.18	
26 05 33 13-0231 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	119.24	22.34
For Work In Restricted Working Space, Add	16.75	
For Elevated Installation >10' To 15', Add	5.58	
For Elevated Installation >15' To 20', Add	11.17	
For Elevated Installation >20' To 25', Add	13.96	
For Elevated Installation >25' To 30', Add	19.54	
For Elevated Installation >30' To 35', Add	22.34	
For Elevated Installation >35' To 40', Add	27.92	
For Elevated Installation >40', Add	30.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.75	
26 05 33 13-0232 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	218.73	24.74
For Work In Restricted Working Space, Add	18.55	
For Elevated Installation >10' To 15', Add	6.18	
For Elevated Installation >15' To 20', Add	12.37	
For Elevated Installation >20' To 25', Add	15.46	
For Elevated Installation >25' To 30', Add	21.64	
For Elevated Installation >30' To 35', Add	24.74	
For Elevated Installation >35' To 40', Add	30.92	
For Elevated Installation >40', Add	34.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.55	
26 05 33 13-0233 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	260.60	29.94
For Work In Restricted Working Space, Add	22.47	
For Elevated Installation >10' To 15', Add	7.49	
For Elevated Installation >15' To 20', Add	14.98	
For Elevated Installation >20' To 25', Add	18.73	
For Elevated Installation >25' To 30', Add	26.22	
For Elevated Installation >30' To 35', Add	29.96	
For Elevated Installation >35' To 40', Add	37.45	
For Elevated Installation >40', Add	41.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.47	
26 05 33 13-0234 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	353.11	37.53
For Work In Restricted Working Space, Add	28.13	
For Elevated Installation >10' To 15', Add	9.38	
For Elevated Installation >15' To 20', Add	18.75	
For Elevated Installation >20' To 25', Add	23.44	
For Elevated Installation >25' To 30', Add	32.82	
For Elevated Installation >30' To 35', Add	37.51	
For Elevated Installation >35' To 40', Add	46.89	
For Elevated Installation >40', Add	51.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.13	
26 05 33 13-0235 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	413.42	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-0236 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	733.29	50.04
For Work In Restricted Working Space, Add	37.49	
For Elevated Installation >10' To 15', Add	12.50	
For Elevated Installation >15' To 20', Add	24.99	
For Elevated Installation >20' To 25', Add	31.24	
For Elevated Installation >25' To 30', Add	43.73	
For Elevated Installation >30' To 35', Add	49.98	
For Elevated Installation >35' To 40', Add	62.48	
For Elevated Installation >40', Add	68.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.49	
26 05 33 13-0237 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	876.93	56.22
For Work In Restricted Working Space, Add	42.16	
For Elevated Installation >10' To 15', Add	14.05	
For Elevated Installation >15' To 20', Add	28.10	
For Elevated Installation >20' To 25', Add	35.13	
For Elevated Installation >25' To 30', Add	49.18	
For Elevated Installation >30' To 35', Add	56.21	
For Elevated Installation >35' To 40', Add	70.26	
For Elevated Installation >40', Add	77.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.16	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0239 EA 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.04	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0240 EA 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.08	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0241 EA 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.49	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0242 EA 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.46	15.46
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.28	
26 05 33 13-0243 EA 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	39.33	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0244 EA 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.19	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0245 EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.30	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0246 EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.73	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.80	15.46
			<i>For Work In Restricted Working Space, Add</i>	9.28	
			<i>For Elevated Installation >10' To 15', Add</i>	3.09	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Elevated Installation >20' To 25', Add</i>	7.73	
			<i>For Elevated Installation >25' To 30', Add</i>	10.82	
			<i>For Elevated Installation >30' To 35', Add</i>	12.37	
			<i>For Elevated Installation >35' To 40', Add</i>	15.46	
			<i>For Elevated Installation >40', Add</i>	17.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33	13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	39.87	17.57
			<i>For Work In Restricted Working Space, Add</i>	10.54	
			<i>For Elevated Installation >10' To 15', Add</i>	3.51	
			<i>For Elevated Installation >15' To 20', Add</i>	7.03	
			<i>For Elevated Installation >20' To 25', Add</i>	8.78	
			<i>For Elevated Installation >25' To 30', Add</i>	12.30	
			<i>For Elevated Installation >30' To 35', Add</i>	14.05	
			<i>For Elevated Installation >35' To 40', Add</i>	17.57	
			<i>For Elevated Installation >40', Add</i>	19.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33	13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	45.09	19.68
			<i>For Work In Restricted Working Space, Add</i>	11.81	
			<i>For Elevated Installation >10' To 15', Add</i>	3.94	
			<i>For Elevated Installation >15' To 20', Add</i>	7.87	
			<i>For Elevated Installation >20' To 25', Add</i>	9.84	
			<i>For Elevated Installation >25' To 30', Add</i>	13.78	
			<i>For Elevated Installation >30' To 35', Add</i>	15.74	
			<i>For Elevated Installation >35' To 40', Add</i>	19.68	
			<i>For Elevated Installation >40', Add</i>	21.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33	13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.34	9.14
			<i>For Work In Restricted Working Space, Add</i>	5.48	
			<i>For Elevated Installation >10' To 15', Add</i>	1.83	
			<i>For Elevated Installation >15' To 20', Add</i>	3.65	
			<i>For Elevated Installation >20' To 25', Add</i>	4.57	
			<i>For Elevated Installation >25' To 30', Add</i>	6.39	
			<i>For Elevated Installation >30' To 35', Add</i>	7.31	
			<i>For Elevated Installation >35' To 40', Add</i>	9.14	
			<i>For Elevated Installation >40', Add</i>	10.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33	13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.50	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.32	
			<i>For Elevated Installation >10' To 15', Add</i>	2.11	
			<i>For Elevated Installation >15' To 20', Add</i>	4.22	
			<i>For Elevated Installation >20' To 25', Add</i>	5.27	
			<i>For Elevated Installation >25' To 30', Add</i>	7.38	
			<i>For Elevated Installation >30' To 35', Add</i>	8.43	
			<i>For Elevated Installation >35' To 40', Add</i>	10.54	
			<i>For Elevated Installation >40', Add</i>	11.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33	13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.08	13.36
			<i>For Work In Restricted Working Space, Add</i>	8.01	
			<i>For Elevated Installation >10' To 15', Add</i>	2.67	
			<i>For Elevated Installation >15' To 20', Add</i>	5.34	
			<i>For Elevated Installation >20' To 25', Add</i>	6.68	
			<i>For Elevated Installation >25' To 30', Add</i>	9.35	
			<i>For Elevated Installation >30' To 35', Add</i>	10.68	
			<i>For Elevated Installation >35' To 40', Add</i>	13.35	
			<i>For Elevated Installation >40', Add</i>	14.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33	13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.11	15.46
			<i>For Work In Restricted Working Space, Add</i>	9.28	
			<i>For Elevated Installation >10' To 15', Add</i>	3.09	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Elevated Installation >20' To 25', Add</i>	7.73	
			<i>For Elevated Installation >25' To 30', Add</i>	10.82	
			<i>For Elevated Installation >30' To 35', Add</i>	12.37	
			<i>For Elevated Installation >35' To 40', Add</i>	15.46	
			<i>For Elevated Installation >40', Add</i>	17.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33	13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	40.23	17.57
			<i>For Work In Restricted Working Space, Add</i>	10.54	
			<i>For Elevated Installation >10' To 15', Add</i>	3.51	
			<i>For Elevated Installation >15' To 20', Add</i>	7.03	
			<i>For Elevated Installation >20' To 25', Add</i>	8.78	
			<i>For Elevated Installation >25' To 30', Add</i>	12.30	
			<i>For Elevated Installation >30' To 35', Add</i>	14.05	
			<i>For Elevated Installation >35' To 40', Add</i>	17.57	
			<i>For Elevated Installation >40', Add</i>	19.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255 EA 2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	45.97	19.68
<i>For Work In Restricted Working Space, Add</i>	11.81	
<i>For Elevated Installation >10' To 15', Add</i>	3.94	
<i>For Elevated Installation >15' To 20', Add</i>	7.87	
<i>For Elevated Installation >20' To 25', Add</i>	9.84	
<i>For Elevated Installation >25' To 30', Add</i>	13.77	
<i>For Elevated Installation >30' To 35', Add</i>	15.74	
<i>For Elevated Installation >35' To 40', Add</i>	19.68	
<i>For Elevated Installation >40', Add</i>	21.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-0256 EA 2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	61.47	23.90
<i>For Work In Restricted Working Space, Add</i>	14.34	
<i>For Elevated Installation >10' To 15', Add</i>	4.78	
<i>For Elevated Installation >15' To 20', Add</i>	9.56	
<i>For Elevated Installation >20' To 25', Add</i>	11.95	
<i>For Elevated Installation >25' To 30', Add</i>	16.73	
<i>For Elevated Installation >30' To 35', Add</i>	19.12	
<i>For Elevated Installation >35' To 40', Add</i>	23.90	
<i>For Elevated Installation >40', Add</i>	26.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-0257 EA 3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	82.86	33.03
<i>For Work In Restricted Working Space, Add</i>	19.82	
<i>For Elevated Installation >10' To 15', Add</i>	6.61	
<i>For Elevated Installation >15' To 20', Add</i>	13.21	
<i>For Elevated Installation >20' To 25', Add</i>	16.51	
<i>For Elevated Installation >25' To 30', Add</i>	23.12	
<i>For Elevated Installation >30' To 35', Add</i>	26.42	
<i>For Elevated Installation >35' To 40', Add</i>	33.03	
<i>For Elevated Installation >40', Add</i>	36.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-0258 EA 1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.54	9.14
<i>For Work In Restricted Working Space, Add</i>	5.48	
<i>For Elevated Installation >10' To 15', Add</i>	1.83	
<i>For Elevated Installation >15' To 20', Add</i>	3.65	
<i>For Elevated Installation >20' To 25', Add</i>	4.57	
<i>For Elevated Installation >25' To 30', Add</i>	6.39	
<i>For Elevated Installation >30' To 35', Add</i>	7.31	
<i>For Elevated Installation >35' To 40', Add</i>	9.14	
<i>For Elevated Installation >40', Add</i>	10.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-0259 EA 3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.60	10.54
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Elevated Installation >10' To 15', Add</i>	2.11	
<i>For Elevated Installation >15' To 20', Add</i>	4.22	
<i>For Elevated Installation >20' To 25', Add</i>	5.27	
<i>For Elevated Installation >25' To 30', Add</i>	7.38	
<i>For Elevated Installation >30' To 35', Add</i>	8.43	
<i>For Elevated Installation >35' To 40', Add</i>	10.54	
<i>For Elevated Installation >40', Add</i>	11.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0260 EA 1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.53	13.36
<i>For Work In Restricted Working Space, Add</i>	8.01	
<i>For Elevated Installation >10' To 15', Add</i>	2.67	
<i>For Elevated Installation >15' To 20', Add</i>	5.34	
<i>For Elevated Installation >20' To 25', Add</i>	6.68	
<i>For Elevated Installation >25' To 30', Add</i>	9.35	
<i>For Elevated Installation >30' To 35', Add</i>	10.68	
<i>For Elevated Installation >35' To 40', Add</i>	13.35	
<i>For Elevated Installation >40', Add</i>	14.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-0261 EA 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.68	15.46
<i>For Work In Restricted Working Space, Add</i>	9.28	
<i>For Elevated Installation >10' To 15', Add</i>	3.09	
<i>For Elevated Installation >15' To 20', Add</i>	6.18	
<i>For Elevated Installation >20' To 25', Add</i>	7.73	
<i>For Elevated Installation >25' To 30', Add</i>	10.82	
<i>For Elevated Installation >30' To 35', Add</i>	12.37	
<i>For Elevated Installation >35' To 40', Add</i>	15.46	
<i>For Elevated Installation >40', Add</i>	17.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-0262 EA 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	40.99	17.57
<i>For Work In Restricted Working Space, Add</i>	10.54	
<i>For Elevated Installation >10' To 15', Add</i>	3.51	
<i>For Elevated Installation >15' To 20', Add</i>	7.03	
<i>For Elevated Installation >20' To 25', Add</i>	8.78	
<i>For Elevated Installation >25' To 30', Add</i>	12.30	
<i>For Elevated Installation >30' To 35', Add</i>	14.05	
<i>For Elevated Installation >35' To 40', Add</i>	17.57	
<i>For Elevated Installation >40', Add</i>	19.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263 EA 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	46.89	19.68
For Work In Restricted Working Space, Add	11.81	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.84	
For Elevated Installation >25' To 30', Add	13.77	
For Elevated Installation >30' To 35', Add	15.74	
For Elevated Installation >35' To 40', Add	19.68	
For Elevated Installation >40', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.81	
26 05 33 13-0264 EA 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	63.96	23.90
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	
26 05 33 13-0265 EA 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	85.02	33.03
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.21	
For Elevated Installation >20' To 25', Add	16.51	
For Elevated Installation >25' To 30', Add	23.12	
For Elevated Installation >30' To 35', Add	26.42	
For Elevated Installation >35' To 40', Add	33.03	
For Elevated Installation >40', Add	36.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.82	
26 05 33 13-0266 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	20.73	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0267 EA 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	23.95	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0268 EA 1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	30.81	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0269 EA 1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.96	15.46
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.28	
26 05 33 13-0270 EA 1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.51	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271 EA 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	47.68	19.68
For Work In Restricted Working Space, Add	11.81	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.84	
For Elevated Installation >25' To 30', Add	13.77	
For Elevated Installation >30' To 35', Add	15.74	
For Elevated Installation >35' To 40', Add	19.68	
For Elevated Installation >40', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.81	
26 05 33 13-0272 EA 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	64.72	23.90
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	
26 05 33 13-0273 EA 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	86.62	33.03
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.21	
For Elevated Installation >20' To 25', Add	16.51	
For Elevated Installation >25' To 30', Add	23.12	
For Elevated Installation >30' To 35', Add	26.42	
For Elevated Installation >35' To 40', Add	33.03	
For Elevated Installation >40', Add	36.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.82	
26 05 33 13-0274 EA 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	99.52	37.24
For Work In Restricted Working Space, Add	22.35	
For Elevated Installation >10' To 15', Add	7.45	
For Elevated Installation >15' To 20', Add	14.90	
For Elevated Installation >20' To 25', Add	18.62	
For Elevated Installation >25' To 30', Add	26.07	
For Elevated Installation >30' To 35', Add	29.80	
For Elevated Installation >35' To 40', Add	37.25	
For Elevated Installation >40', Add	40.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.35	
26 05 33 13-0275 EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	125.07	48.49
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.09	
26 05 33 13-0276 EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.02	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0277 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.38	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0278 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.36	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.76	15.46
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.28	
26 05 33 13-0280 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	42.29	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0281 EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	49.07	19.68
For Work In Restricted Working Space, Add	11.81	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.84	
For Elevated Installation >25' To 30', Add	13.77	
For Elevated Installation >30' To 35', Add	15.74	
For Elevated Installation >35' To 40', Add	19.68	
For Elevated Installation >40', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.81	
26 05 33 13-0282 EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	67.80	23.90
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	
26 05 33 13-0283 EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	89.96	33.03
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.21	
For Elevated Installation >20' To 25', Add	16.51	
For Elevated Installation >25' To 30', Add	23.12	
For Elevated Installation >30' To 35', Add	26.42	
For Elevated Installation >35' To 40', Add	33.03	
For Elevated Installation >40', Add	36.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.82	
26 05 33 13-0284 EA 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	102.84	37.24
For Work In Restricted Working Space, Add	22.35	
For Elevated Installation >10' To 15', Add	7.45	
For Elevated Installation >15' To 20', Add	14.90	
For Elevated Installation >20' To 25', Add	18.62	
For Elevated Installation >25' To 30', Add	26.07	
For Elevated Installation >30' To 35', Add	29.80	
For Elevated Installation >35' To 40', Add	37.25	
For Elevated Installation >40', Add	40.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.35	
26 05 33 13-0285 EA 4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	129.92	48.49
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.09	
26 05 33 13-0286 EA 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	197.48	66.76
For Work In Restricted Working Space, Add	40.06	
For Elevated Installation >10' To 15', Add	13.35	
For Elevated Installation >15' To 20', Add	26.70	
For Elevated Installation >20' To 25', Add	33.38	
For Elevated Installation >25' To 30', Add	46.73	
For Elevated Installation >30' To 35', Add	53.41	
For Elevated Installation >35' To 40', Add	66.76	
For Elevated Installation >40', Add	73.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0287 EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	251.01	85.59
For Work In Restricted Working Space, Add	51.39	
For Elevated Installation >10' To 15', Add	17.13	
For Elevated Installation >15' To 20', Add	34.26	
For Elevated Installation >20' To 25', Add	42.83	
For Elevated Installation >25' To 30', Add	59.96	
For Elevated Installation >30' To 35', Add	68.52	
For Elevated Installation >35' To 40', Add	85.65	
For Elevated Installation >40', Add	94.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.39	
26 05 33 13-0288 EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.56	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0289 EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.92	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0290 EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.79	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0291 EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	37.49	15.46
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.28	
26 05 33 13-0292 EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	43.93	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0293 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	50.46	19.68
For Work In Restricted Working Space, Add	11.81	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.84	
For Elevated Installation >25' To 30', Add	13.77	
For Elevated Installation >30' To 35', Add	15.74	
For Elevated Installation >35' To 40', Add	19.68	
For Elevated Installation >40', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.81	
26 05 33 13-0294 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	70.50	23.90
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	93.35	33.03
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.21	
For Elevated Installation >20' To 25', Add	16.51	
For Elevated Installation >25' To 30', Add	23.12	
For Elevated Installation >30' To 35', Add	26.42	
For Elevated Installation >35' To 40', Add	33.03	
For Elevated Installation >40', Add	36.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.82	
26 05 33 13-0296 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	106.89	37.24
For Work In Restricted Working Space, Add	22.35	
For Elevated Installation >10' To 15', Add	7.45	
For Elevated Installation >15' To 20', Add	14.90	
For Elevated Installation >20' To 25', Add	18.62	
For Elevated Installation >25' To 30', Add	26.07	
For Elevated Installation >30' To 35', Add	29.80	
For Elevated Installation >35' To 40', Add	37.25	
For Elevated Installation >40', Add	40.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.35	
26 05 33 13-0297 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	133.77	48.49
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.09	
26 05 33 13-0298 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	203.12	66.76
For Work In Restricted Working Space, Add	40.06	
For Elevated Installation >10' To 15', Add	13.35	
For Elevated Installation >15' To 20', Add	26.70	
For Elevated Installation >20' To 25', Add	33.38	
For Elevated Installation >25' To 30', Add	46.73	
For Elevated Installation >30' To 35', Add	53.41	
For Elevated Installation >35' To 40', Add	66.76	
For Elevated Installation >40', Add	73.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.06	
26 05 33 13-0299 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	259.27	85.59
For Work In Restricted Working Space, Add	51.39	
For Elevated Installation >10' To 15', Add	17.13	
For Elevated Installation >15' To 20', Add	34.26	
For Elevated Installation >20' To 25', Add	42.83	
For Elevated Installation >25' To 30', Add	59.96	
For Elevated Installation >30' To 35', Add	68.52	
For Elevated Installation >35' To 40', Add	85.65	
For Elevated Installation >40', Add	94.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.39	
26 05 33 13-0300 EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	23.51	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0301 EA 3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	27.42	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0302 EA 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	34.73	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303 EA 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.67	15.46
<i>For Work In Restricted Working Space, Add</i>	9.28	
<i>For Elevated Installation >10' To 15', Add</i>	3.09	
<i>For Elevated Installation >15' To 20', Add</i>	6.18	
<i>For Elevated Installation >20' To 25', Add</i>	7.73	
<i>For Elevated Installation >25' To 30', Add</i>	10.82	
<i>For Elevated Installation >30' To 35', Add</i>	12.37	
<i>For Elevated Installation >35' To 40', Add</i>	15.46	
<i>For Elevated Installation >40', Add</i>	17.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-0304 EA 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	48.60	17.57
<i>For Work In Restricted Working Space, Add</i>	10.54	
<i>For Elevated Installation >10' To 15', Add</i>	3.51	
<i>For Elevated Installation >15' To 20', Add</i>	7.03	
<i>For Elevated Installation >20' To 25', Add</i>	8.78	
<i>For Elevated Installation >25' To 30', Add</i>	12.30	
<i>For Elevated Installation >30' To 35', Add</i>	14.05	
<i>For Elevated Installation >35' To 40', Add</i>	17.57	
<i>For Elevated Installation >40', Add</i>	19.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-0305 EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	55.38	19.68
<i>For Work In Restricted Working Space, Add</i>	11.81	
<i>For Elevated Installation >10' To 15', Add</i>	3.94	
<i>For Elevated Installation >15' To 20', Add</i>	7.87	
<i>For Elevated Installation >20' To 25', Add</i>	9.84	
<i>For Elevated Installation >25' To 30', Add</i>	13.77	
<i>For Elevated Installation >30' To 35', Add</i>	15.74	
<i>For Elevated Installation >35' To 40', Add</i>	19.68	
<i>For Elevated Installation >40', Add</i>	21.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-0306 EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	77.66	23.90
<i>For Work In Restricted Working Space, Add</i>	14.34	
<i>For Elevated Installation >10' To 15', Add</i>	4.78	
<i>For Elevated Installation >15' To 20', Add</i>	9.56	
<i>For Elevated Installation >20' To 25', Add</i>	11.95	
<i>For Elevated Installation >25' To 30', Add</i>	16.73	
<i>For Elevated Installation >30' To 35', Add</i>	19.12	
<i>For Elevated Installation >35' To 40', Add</i>	23.90	
<i>For Elevated Installation >40', Add</i>	26.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-0307 EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	101.57	33.03
<i>For Work In Restricted Working Space, Add</i>	19.82	
<i>For Elevated Installation >10' To 15', Add</i>	6.61	
<i>For Elevated Installation >15' To 20', Add</i>	13.21	
<i>For Elevated Installation >20' To 25', Add</i>	16.51	
<i>For Elevated Installation >25' To 30', Add</i>	23.12	
<i>For Elevated Installation >30' To 35', Add</i>	26.42	
<i>For Elevated Installation >35' To 40', Add</i>	33.03	
<i>For Elevated Installation >40', Add</i>	36.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-0308 EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	115.09	37.24
<i>For Work In Restricted Working Space, Add</i>	22.35	
<i>For Elevated Installation >10' To 15', Add</i>	7.45	
<i>For Elevated Installation >15' To 20', Add</i>	14.90	
<i>For Elevated Installation >20' To 25', Add</i>	18.62	
<i>For Elevated Installation >25' To 30', Add</i>	26.07	
<i>For Elevated Installation >30' To 35', Add</i>	29.80	
<i>For Elevated Installation >35' To 40', Add</i>	37.25	
<i>For Elevated Installation >40', Add</i>	40.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33 13-0309 EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	142.83	48.49
<i>For Work In Restricted Working Space, Add</i>	29.09	
<i>For Elevated Installation >10' To 15', Add</i>	9.70	
<i>For Elevated Installation >15' To 20', Add</i>	19.39	
<i>For Elevated Installation >20' To 25', Add</i>	24.24	
<i>For Elevated Installation >25' To 30', Add</i>	33.94	
<i>For Elevated Installation >30' To 35', Add</i>	38.79	
<i>For Elevated Installation >35' To 40', Add</i>	48.49	
<i>For Elevated Installation >40', Add</i>	53.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33 13-0310 EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	216.19	66.76
<i>For Work In Restricted Working Space, Add</i>	40.06	
<i>For Elevated Installation >10' To 15', Add</i>	13.35	
<i>For Elevated Installation >15' To 20', Add</i>	26.70	
<i>For Elevated Installation >20' To 25', Add</i>	33.38	
<i>For Elevated Installation >25' To 30', Add</i>	46.73	
<i>For Elevated Installation >30' To 35', Add</i>	53.41	
<i>For Elevated Installation >35' To 40', Add</i>	66.76	
<i>For Elevated Installation >40', Add</i>	73.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0311 EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	273.94	85.59
For Work In Restricted Working Space, Add	51.39	
For Elevated Installation >10' To 15', Add	17.13	
For Elevated Installation >15' To 20', Add	34.26	
For Elevated Installation >20' To 25', Add	42.83	
For Elevated Installation >25' To 30', Add	59.96	
For Elevated Installation >30' To 35', Add	68.52	
For Elevated Installation >35' To 40', Add	85.65	
For Elevated Installation >40', Add	94.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.39	
26 05 33 13-0312 EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	24.83	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0313 EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	28.70	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0314 EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	37.06	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0315 EA 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	44.45	15.46
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.28	
26 05 33 13-0316 EA 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	51.33	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.05	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0317 EA 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	58.55	19.68
For Work In Restricted Working Space, Add	11.81	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.84	
For Elevated Installation >25' To 30', Add	13.77	
For Elevated Installation >30' To 35', Add	15.74	
For Elevated Installation >35' To 40', Add	19.68	
For Elevated Installation >40', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.81	
26 05 33 13-0318 EA 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	82.48	23.90
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319 EA 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	108.03	33.03
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.21	
For Elevated Installation >20' To 25', Add	16.51	
For Elevated Installation >25' To 30', Add	23.12	
For Elevated Installation >30' To 35', Add	26.42	
For Elevated Installation >35' To 40', Add	33.03	
For Elevated Installation >40', Add	36.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.82	
26 05 33 13-0320 EA 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	123.60	37.24
For Work In Restricted Working Space, Add	22.35	
For Elevated Installation >10' To 15', Add	7.45	
For Elevated Installation >15' To 20', Add	14.90	
For Elevated Installation >20' To 25', Add	18.62	
For Elevated Installation >25' To 30', Add	26.07	
For Elevated Installation >30' To 35', Add	29.80	
For Elevated Installation >35' To 40', Add	37.25	
For Elevated Installation >40', Add	40.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.35	
26 05 33 13-0321 EA 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	153.61	48.49
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.09	
26 05 33 13-0322 EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	230.44	66.76
For Work In Restricted Working Space, Add	40.06	
For Elevated Installation >10' To 15', Add	13.35	
For Elevated Installation >15' To 20', Add	26.70	
For Elevated Installation >20' To 25', Add	33.38	
For Elevated Installation >25' To 30', Add	46.73	
For Elevated Installation >30' To 35', Add	53.41	
For Elevated Installation >35' To 40', Add	66.76	
For Elevated Installation >40', Add	73.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.06	
26 05 33 13-0323 EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	299.58	85.59
For Work In Restricted Working Space, Add	51.39	
For Elevated Installation >10' To 15', Add	17.13	
For Elevated Installation >15' To 20', Add	34.26	
For Elevated Installation >20' To 25', Add	42.83	
For Elevated Installation >25' To 30', Add	59.96	
For Elevated Installation >30' To 35', Add	68.52	
For Elevated Installation >35' To 40', Add	85.65	
For Elevated Installation >40', Add	94.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.39	
26 05 33 13-0324 EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	25.83	9.14
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.65	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.39	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-0325 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	29.64	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0326 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	38.47	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	46.67	15.46
			<i>For Work In Restricted Working Space, Add</i>	9.28	
			<i>For Elevated Installation >10' To 15', Add</i>	3.09	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Elevated Installation >20' To 25', Add</i>	7.73	
			<i>For Elevated Installation >25' To 30', Add</i>	10.82	
			<i>For Elevated Installation >30' To 35', Add</i>	12.37	
			<i>For Elevated Installation >35' To 40', Add</i>	15.46	
			<i>For Elevated Installation >40', Add</i>	17.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33	13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	52.70	17.57
			<i>For Work In Restricted Working Space, Add</i>	10.54	
			<i>For Elevated Installation >10' To 15', Add</i>	3.51	
			<i>For Elevated Installation >15' To 20', Add</i>	7.03	
			<i>For Elevated Installation >20' To 25', Add</i>	8.78	
			<i>For Elevated Installation >25' To 30', Add</i>	12.30	
			<i>For Elevated Installation >30' To 35', Add</i>	14.05	
			<i>For Elevated Installation >35' To 40', Add</i>	17.57	
			<i>For Elevated Installation >40', Add</i>	19.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33	13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	61.21	19.68
			<i>For Work In Restricted Working Space, Add</i>	11.81	
			<i>For Elevated Installation >10' To 15', Add</i>	3.94	
			<i>For Elevated Installation >15' To 20', Add</i>	7.87	
			<i>For Elevated Installation >20' To 25', Add</i>	9.84	
			<i>For Elevated Installation >25' To 30', Add</i>	13.77	
			<i>For Elevated Installation >30' To 35', Add</i>	15.74	
			<i>For Elevated Installation >35' To 40', Add</i>	19.68	
			<i>For Elevated Installation >40', Add</i>	21.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33	13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	88.14	23.90
			<i>For Work In Restricted Working Space, Add</i>	14.34	
			<i>For Elevated Installation >10' To 15', Add</i>	4.78	
			<i>For Elevated Installation >15' To 20', Add</i>	9.56	
			<i>For Elevated Installation >20' To 25', Add</i>	11.95	
			<i>For Elevated Installation >25' To 30', Add</i>	16.73	
			<i>For Elevated Installation >30' To 35', Add</i>	19.12	
			<i>For Elevated Installation >35' To 40', Add</i>	23.90	
			<i>For Elevated Installation >40', Add</i>	26.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33	13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	117.03	33.03
			<i>For Work In Restricted Working Space, Add</i>	19.82	
			<i>For Elevated Installation >10' To 15', Add</i>	6.61	
			<i>For Elevated Installation >15' To 20', Add</i>	13.21	
			<i>For Elevated Installation >20' To 25', Add</i>	16.51	
			<i>For Elevated Installation >25' To 30', Add</i>	23.12	
			<i>For Elevated Installation >30' To 35', Add</i>	26.42	
			<i>For Elevated Installation >35' To 40', Add</i>	33.03	
			<i>For Elevated Installation >40', Add</i>	36.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33	13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	131.89	37.24
			<i>For Work In Restricted Working Space, Add</i>	22.35	
			<i>For Elevated Installation >10' To 15', Add</i>	7.45	
			<i>For Elevated Installation >15' To 20', Add</i>	14.90	
			<i>For Elevated Installation >20' To 25', Add</i>	18.62	
			<i>For Elevated Installation >25' To 30', Add</i>	26.07	
			<i>For Elevated Installation >30' To 35', Add</i>	29.80	
			<i>For Elevated Installation >35' To 40', Add</i>	37.25	
			<i>For Elevated Installation >40', Add</i>	40.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33	13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	164.41	48.49
			<i>For Work In Restricted Working Space, Add</i>	29.09	
			<i>For Elevated Installation >10' To 15', Add</i>	9.70	
			<i>For Elevated Installation >15' To 20', Add</i>	19.39	
			<i>For Elevated Installation >20' To 25', Add</i>	24.24	
			<i>For Elevated Installation >25' To 30', Add</i>	33.94	
			<i>For Elevated Installation >30' To 35', Add</i>	38.79	
			<i>For Elevated Installation >35' To 40', Add</i>	48.49	
			<i>For Elevated Installation >40', Add</i>	53.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33	13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	250.92	66.76
			<i>For Work In Restricted Working Space, Add</i>	40.06	
			<i>For Elevated Installation >10' To 15', Add</i>	13.35	
			<i>For Elevated Installation >15' To 20', Add</i>	26.70	
			<i>For Elevated Installation >20' To 25', Add</i>	33.38	
			<i>For Elevated Installation >25' To 30', Add</i>	46.73	
			<i>For Elevated Installation >30' To 35', Add</i>	53.41	
			<i>For Elevated Installation >35' To 40', Add</i>	66.76	
			<i>For Elevated Installation >40', Add</i>	73.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0335 EA 6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	313.83	85.59
For Work In Restricted Working Space, Add	51.39	
For Elevated Installation >10' To 15', Add	17.13	
For Elevated Installation >15' To 20', Add	34.26	
For Elevated Installation >20' To 25', Add	42.83	
For Elevated Installation >25' To 30', Add	59.96	
For Elevated Installation >30' To 35', Add	68.52	
For Elevated Installation >35' To 40', Add	85.65	
For Elevated Installation >40', Add	94.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.39	
26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0060)		
26 05 33 13-0337 EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	21.31	7.30
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.21	
For Elevated Installation >40', Add	10.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0338 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	25.38	8.44
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0339 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	31.87	10.68
For Work In Restricted Working Space, Add	8.04	
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.41	
For Elevated Installation >40', Add	14.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0340 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	40.29	12.79
For Work In Restricted Working Space, Add	9.64	
For Elevated Installation >10' To 15', Add	3.21	
For Elevated Installation >15' To 20', Add	6.43	
For Elevated Installation >20' To 25', Add	8.03	
For Elevated Installation >25' To 30', Add	11.25	
For Elevated Installation >30' To 35', Add	12.85	
For Elevated Installation >35' To 40', Add	16.07	
For Elevated Installation >40', Add	17.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.64	
26 05 33 13-0341 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	44.11	14.06
For Work In Restricted Working Space, Add	10.55	
For Elevated Installation >10' To 15', Add	3.52	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.31	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.58	
For Elevated Installation >40', Add	19.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.55	
26 05 33 13-0342 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	57.54	17.28
For Work In Restricted Working Space, Add	13.00	
For Elevated Installation >10' To 15', Add	4.33	
For Elevated Installation >15' To 20', Add	8.66	
For Elevated Installation >20' To 25', Add	10.83	
For Elevated Installation >25' To 30', Add	15.16	
For Elevated Installation >30' To 35', Add	17.33	
For Elevated Installation >35' To 40', Add	21.66	
For Elevated Installation >40', Add	23.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.00	
26 05 33 13-0343 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	93.97	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0344 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	150.79	38.79
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.09	
26 05 33 13-0345 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	186.59	45.82
For Work In Restricted Working Space, Add	34.18	
For Elevated Installation >10' To 15', Add	11.39	
For Elevated Installation >15' To 20', Add	22.78	
For Elevated Installation >20' To 25', Add	28.48	
For Elevated Installation >25' To 30', Add	39.87	
For Elevated Installation >30' To 35', Add	45.57	
For Elevated Installation >35' To 40', Add	56.96	
For Elevated Installation >40', Add	62.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.18	
26 05 33 13-0346 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	223.55	52.85
For Work In Restricted Working Space, Add	39.64	
For Elevated Installation >10' To 15', Add	13.21	
For Elevated Installation >15' To 20', Add	26.43	
For Elevated Installation >20' To 25', Add	33.03	
For Elevated Installation >25' To 30', Add	46.25	
For Elevated Installation >30' To 35', Add	52.85	
For Elevated Installation >35' To 40', Add	66.07	
For Elevated Installation >40', Add	72.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.64	
26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0060)		
Note: Erickson fittings.		
26 05 33 13-0348 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	58.93	22.49
For Work In Restricted Working Space, Add	16.89	
For Elevated Installation >10' To 15', Add	5.63	
For Elevated Installation >15' To 20', Add	11.26	
For Elevated Installation >20' To 25', Add	14.07	
For Elevated Installation >25' To 30', Add	19.70	
For Elevated Installation >30' To 35', Add	22.52	
For Elevated Installation >35' To 40', Add	28.15	
For Elevated Installation >40', Add	30.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.89	
26 05 33 13-0349 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	66.21	25.16
For Work In Restricted Working Space, Add	18.85	
For Elevated Installation >10' To 15', Add	6.28	
For Elevated Installation >15' To 20', Add	12.56	
For Elevated Installation >20' To 25', Add	15.71	
For Elevated Installation >25' To 30', Add	21.99	
For Elevated Installation >30' To 35', Add	25.13	
For Elevated Installation >35' To 40', Add	31.41	
For Elevated Installation >40', Add	34.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.85	
26 05 33 13-0350 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	76.24	27.97
For Work In Restricted Working Space, Add	20.99	
For Elevated Installation >10' To 15', Add	7.00	
For Elevated Installation >15' To 20', Add	14.00	
For Elevated Installation >20' To 25', Add	17.50	
For Elevated Installation >25' To 30', Add	24.49	
For Elevated Installation >30' To 35', Add	27.99	
For Elevated Installation >35' To 40', Add	34.99	
For Elevated Installation >40', Add	38.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.99	
26 05 33 13-0351 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	89.91	30.64
For Work In Restricted Working Space, Add	22.97	
For Elevated Installation >10' To 15', Add	7.66	
For Elevated Installation >15' To 20', Add	15.31	
For Elevated Installation >20' To 25', Add	19.14	
For Elevated Installation >25' To 30', Add	26.80	
For Elevated Installation >30' To 35', Add	30.63	
For Elevated Installation >35' To 40', Add	38.29	
For Elevated Installation >40', Add	42.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.97	
26 05 33 13-0352 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	99.77	33.45
For Work In Restricted Working Space, Add	25.13	
For Elevated Installation >10' To 15', Add	8.38	
For Elevated Installation >15' To 20', Add	16.76	
For Elevated Installation >20' To 25', Add	20.95	
For Elevated Installation >25' To 30', Add	29.32	
For Elevated Installation >30' To 35', Add	33.51	
For Elevated Installation >35' To 40', Add	41.89	
For Elevated Installation >40', Add	46.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	122.75	36.26
For Work In Restricted Working Space, Add	27.22	
For Elevated Installation >10' To 15', Add	9.07	
For Elevated Installation >15' To 20', Add	18.15	
For Elevated Installation >20' To 25', Add	22.68	
For Elevated Installation >25' To 30', Add	31.76	
For Elevated Installation >30' To 35', Add	36.29	
For Elevated Installation >35' To 40', Add	45.37	
For Elevated Installation >40', Add	49.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.22	
26 05 33 13-0354 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	186.63	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-0355 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	253.14	56.22
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.17	
26 05 33 13-0356 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	356.25	67.47
For Work In Restricted Working Space, Add	50.62	
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.74	
For Elevated Installation >20' To 25', Add	42.18	
For Elevated Installation >25' To 30', Add	59.05	
For Elevated Installation >30' To 35', Add	67.49	
For Elevated Installation >35' To 40', Add	84.36	
For Elevated Installation >40', Add	92.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.62	
26 05 33 13-0357 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	403.24	73.09
For Work In Restricted Working Space, Add	54.81	
For Elevated Installation >10' To 15', Add	18.27	
For Elevated Installation >15' To 20', Add	36.54	
For Elevated Installation >20' To 25', Add	45.68	
For Elevated Installation >25' To 30', Add	63.95	
For Elevated Installation >30' To 35', Add	73.08	
For Elevated Installation >35' To 40', Add	91.35	
For Elevated Installation >40', Add	100.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.81	
26 05 33 13-0358 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	677.48	89.95
For Work In Restricted Working Space, Add	67.46	
For Elevated Installation >10' To 15', Add	22.49	
For Elevated Installation >15' To 20', Add	44.97	
For Elevated Installation >20' To 25', Add	56.22	
For Elevated Installation >25' To 30', Add	78.70	
For Elevated Installation >30' To 35', Add	89.94	
For Elevated Installation >35' To 40', Add	112.43	
For Elevated Installation >40', Add	123.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.46	
26 05 33 13-0359 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	863.29	104.01
For Work In Restricted Working Space, Add	78.00	
For Elevated Installation >10' To 15', Add	26.00	
For Elevated Installation >15' To 20', Add	52.00	
For Elevated Installation >20' To 25', Add	65.00	
For Elevated Installation >25' To 30', Add	91.00	
For Elevated Installation >30' To 35', Add	104.00	
For Elevated Installation >35' To 40', Add	130.00	
For Elevated Installation >40', Add	142.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.00	
26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors		
<small>(26 05 33 13-0060)</small>		
26 05 33 13-0361 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	35.87	11.24
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	40.10	12.36
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
26 05 33 13-0363 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	46.07	14.06
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0364 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	52.38	15.18
For Work In Restricted Working Space, Add	11.39	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.59	
For Elevated Installation >20' To 25', Add	9.49	
For Elevated Installation >25' To 30', Add	13.28	
For Elevated Installation >30' To 35', Add	15.18	
For Elevated Installation >35' To 40', Add	18.98	
For Elevated Installation >40', Add	20.87	
26 05 33 13-0365 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	62.28	16.86
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0366 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	76.12	18.56
For Work In Restricted Working Space, Add	13.91	
For Elevated Installation >10' To 15', Add	4.64	
For Elevated Installation >15' To 20', Add	9.28	
For Elevated Installation >20' To 25', Add	11.60	
For Elevated Installation >25' To 30', Add	16.23	
For Elevated Installation >30' To 35', Add	18.55	
For Elevated Installation >35' To 40', Add	23.19	
For Elevated Installation >40', Add	25.51	
26 05 33 13-0367 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	103.88	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
26 05 33 13-0368 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	128.43	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0369 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	154.30	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0370 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	174.44	36.54
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	29.96	12.65
For Work In Restricted Working Space, Add	7.99	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.99	
26 05 33 13-0373 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	33.37	14.06
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 05 33 13-0374 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	41.31	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0375 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	50.54	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0376 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	65.43	28.11
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.87	
26 05 33 13-0377 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	75.56	31.62
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-0378 EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	91.17	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0379 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	121.31	44.27
For Work In Restricted Working Space, Add	26.57	
For Elevated Installation >10' To 15', Add	8.86	
For Elevated Installation >15' To 20', Add	17.71	
For Elevated Installation >20' To 25', Add	22.14	
For Elevated Installation >25' To 30', Add	30.99	
For Elevated Installation >30' To 35', Add	35.42	
For Elevated Installation >35' To 40', Add	44.28	
For Elevated Installation >40', Add	48.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.57	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	144.42	53.41
For Work In Restricted Working Space, Add	32.04	
For Elevated Installation >10' To 15', Add	10.68	
For Elevated Installation >15' To 20', Add	21.36	
For Elevated Installation >20' To 25', Add	26.70	
For Elevated Installation >25' To 30', Add	37.38	
For Elevated Installation >30' To 35', Add	42.72	
For Elevated Installation >35' To 40', Add	53.41	
For Elevated Installation >40', Add	58.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.04	
26 05 33 13-0381 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	176.08	63.25
For Work In Restricted Working Space, Add	37.95	
For Elevated Installation >10' To 15', Add	12.65	
For Elevated Installation >15' To 20', Add	25.30	
For Elevated Installation >20' To 25', Add	31.62	
For Elevated Installation >25' To 30', Add	44.27	
For Elevated Installation >30' To 35', Add	50.60	
For Elevated Installation >35' To 40', Add	63.25	
For Elevated Installation >40', Add	69.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.95	
26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement <small>(26 05 33 13-0060)</small>		
Note: Type AX		
26 05 33 13-0383 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	115.59	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.25	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.12	
For Elevated Installation >40', Add	30.93	
26 05 33 13-0384 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	131.02	25.30
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
26 05 33 13-0385 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	153.65	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.06	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.60	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0386 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	185.29	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0387 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	228.64	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0388 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	307.82	36.54
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.97	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	462.38	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
26 05 33 13-0390 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	591.25	56.22
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
26 05 33 13-0391 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	851.19	67.47
For Work In Restricted Working Space, Add	50.60	
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.74	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.04	
For Elevated Installation >30' To 35', Add	67.47	
For Elevated Installation >35' To 40', Add	84.34	
For Elevated Installation >40', Add	92.77	
26 05 33 13-0392 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	908.30	73.09
For Work In Restricted Working Space, Add	54.81	
For Elevated Installation >10' To 15', Add	18.27	
For Elevated Installation >15' To 20', Add	36.54	
For Elevated Installation >20' To 25', Add	45.68	
For Elevated Installation >25' To 30', Add	63.95	
For Elevated Installation >30' To 35', Add	73.08	
For Elevated Installation >35' To 40', Add	91.35	
For Elevated Installation >40', Add	100.49	
26 05 33 13-0393 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,373.25	89.95
For Work In Restricted Working Space, Add	67.46	
For Elevated Installation >10' To 15', Add	22.49	
For Elevated Installation >15' To 20', Add	44.98	
For Elevated Installation >20' To 25', Add	56.22	
For Elevated Installation >25' To 30', Add	78.71	
For Elevated Installation >30' To 35', Add	89.95	
For Elevated Installation >35' To 40', Add	112.44	
For Elevated Installation >40', Add	123.68	
26 05 33 13-0394 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,678.22	99.79
For Work In Restricted Working Space, Add	74.89	
For Elevated Installation >10' To 15', Add	24.96	
For Elevated Installation >15' To 20', Add	49.92	
For Elevated Installation >20' To 25', Add	62.41	
For Elevated Installation >25' To 30', Add	87.37	
For Elevated Installation >30' To 35', Add	99.85	
For Elevated Installation >35' To 40', Add	124.81	
For Elevated Installation >40', Add	137.29	
26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0395)</small>		
Note: Type AX-8		
26 05 33 13-0396 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	125.52	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.25	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.12	
For Elevated Installation >40', Add	30.93	
26 05 33 13-0397 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	139.81	25.30
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
26 05 33 13-0398 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	167.45	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.06	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.60	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	207.01	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0400 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	271.82	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0401 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	328.45	36.54
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.97	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.24	
26 05 33 13-0402 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	596.13	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
26 05 33 13-0403 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	682.58	56.22
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
26 05 33 13-0404 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,031.67	67.47
For Work In Restricted Working Space, Add	50.60	
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.74	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.04	
For Elevated Installation >30' To 35', Add	67.47	
For Elevated Installation >35' To 40', Add	84.34	
For Elevated Installation >40', Add	92.77	
26 05 33 13-0405 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,116.91	73.09
For Work In Restricted Working Space, Add	54.81	
For Elevated Installation >10' To 15', Add	18.27	
For Elevated Installation >15' To 20', Add	36.54	
For Elevated Installation >20' To 25', Add	45.68	
For Elevated Installation >25' To 30', Add	63.95	
For Elevated Installation >30' To 35', Add	73.08	
For Elevated Installation >35' To 40', Add	91.35	
For Elevated Installation >40', Add	100.49	
26 05 33 13-0406 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,549.10	89.95
For Work In Restricted Working Space, Add	67.46	
For Elevated Installation >10' To 15', Add	22.49	
For Elevated Installation >15' To 20', Add	44.98	
For Elevated Installation >20' To 25', Add	56.22	
For Elevated Installation >25' To 30', Add	78.71	
For Elevated Installation >30' To 35', Add	89.95	
For Elevated Installation >35' To 40', Add	112.44	
For Elevated Installation >40', Add	123.68	
26 05 33 13-0407 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,904.46	99.79
For Work In Restricted Working Space, Add	74.89	
For Elevated Installation >10' To 15', Add	24.96	
For Elevated Installation >15' To 20', Add	49.92	
For Elevated Installation >20' To 25', Add	62.41	
For Elevated Installation >25' To 30', Add	87.37	
For Elevated Installation >30' To 35', Add	99.85	
For Elevated Installation >35' To 40', Add	124.81	
For Elevated Installation >40', Add	137.29	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0060)
 Note: Type EX



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	140.04	22.49
<i>For Work In Restricted Working Space, Add</i>	16.87	
<i>For Elevated Installation >10' To 15', Add</i>	5.62	
<i>For Elevated Installation >15' To 20', Add</i>	11.25	
<i>For Elevated Installation >20' To 25', Add</i>	14.06	
<i>For Elevated Installation >25' To 30', Add</i>	19.68	
<i>For Elevated Installation >30' To 35', Add</i>	22.49	
<i>For Elevated Installation >35' To 40', Add</i>	28.12	
<i>For Elevated Installation >40', Add</i>	30.93	
26 05 33 13-0410 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	174.06	25.30
<i>For Work In Restricted Working Space, Add</i>	18.98	
<i>For Elevated Installation >10' To 15', Add</i>	6.33	
<i>For Elevated Installation >15' To 20', Add</i>	12.65	
<i>For Elevated Installation >20' To 25', Add</i>	15.81	
<i>For Elevated Installation >25' To 30', Add</i>	22.14	
<i>For Elevated Installation >30' To 35', Add</i>	25.30	
<i>For Elevated Installation >35' To 40', Add</i>	31.63	
<i>For Elevated Installation >40', Add</i>	34.79	
26 05 33 13-0411 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	213.71	28.11
<i>For Work In Restricted Working Space, Add</i>	21.08	
<i>For Elevated Installation >10' To 15', Add</i>	7.03	
<i>For Elevated Installation >15' To 20', Add</i>	14.06	
<i>For Elevated Installation >20' To 25', Add</i>	17.57	
<i>For Elevated Installation >25' To 30', Add</i>	24.60	
<i>For Elevated Installation >30' To 35', Add</i>	28.11	
<i>For Elevated Installation >35' To 40', Add</i>	35.14	
<i>For Elevated Installation >40', Add</i>	38.65	
26 05 33 13-0412 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	257.11	30.92
<i>For Work In Restricted Working Space, Add</i>	23.19	
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
26 05 33 13-0413 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	339.65	33.73
<i>For Work In Restricted Working Space, Add</i>	25.30	
<i>For Elevated Installation >10' To 15', Add</i>	8.43	
<i>For Elevated Installation >15' To 20', Add</i>	16.87	
<i>For Elevated Installation >20' To 25', Add</i>	21.08	
<i>For Elevated Installation >25' To 30', Add</i>	29.52	
<i>For Elevated Installation >30' To 35', Add</i>	33.73	
<i>For Elevated Installation >35' To 40', Add</i>	42.17	
<i>For Elevated Installation >40', Add</i>	46.38	
26 05 33 13-0414 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	459.53	36.54
<i>For Work In Restricted Working Space, Add</i>	27.41	
<i>For Elevated Installation >10' To 15', Add</i>	9.14	
<i>For Elevated Installation >15' To 20', Add</i>	18.27	
<i>For Elevated Installation >20' To 25', Add</i>	22.84	
<i>For Elevated Installation >25' To 30', Add</i>	31.97	
<i>For Elevated Installation >30' To 35', Add</i>	36.54	
<i>For Elevated Installation >35' To 40', Add</i>	45.68	
<i>For Elevated Installation >40', Add</i>	50.24	
26 05 33 13-0415 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	704.04	44.98
<i>For Work In Restricted Working Space, Add</i>	33.74	
<i>For Elevated Installation >10' To 15', Add</i>	11.25	
<i>For Elevated Installation >15' To 20', Add</i>	22.49	
<i>For Elevated Installation >20' To 25', Add</i>	28.11	
<i>For Elevated Installation >25' To 30', Add</i>	39.36	
<i>For Elevated Installation >30' To 35', Add</i>	44.98	
<i>For Elevated Installation >35' To 40', Add</i>	56.23	
<i>For Elevated Installation >40', Add</i>	61.85	
26 05 33 13-0416 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	945.32	56.22
<i>For Work In Restricted Working Space, Add</i>	42.17	
<i>For Elevated Installation >10' To 15', Add</i>	14.06	
<i>For Elevated Installation >15' To 20', Add</i>	28.11	
<i>For Elevated Installation >20' To 25', Add</i>	35.14	
<i>For Elevated Installation >25' To 30', Add</i>	49.19	
<i>For Elevated Installation >30' To 35', Add</i>	56.22	
<i>For Elevated Installation >35' To 40', Add</i>	70.28	
<i>For Elevated Installation >40', Add</i>	77.30	
26 05 33 13-0417 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,405.38	67.47
<i>For Work In Restricted Working Space, Add</i>	50.60	
<i>For Elevated Installation >10' To 15', Add</i>	16.87	
<i>For Elevated Installation >15' To 20', Add</i>	33.74	
<i>For Elevated Installation >20' To 25', Add</i>	42.17	
<i>For Elevated Installation >25' To 30', Add</i>	59.04	
<i>For Elevated Installation >30' To 35', Add</i>	67.47	
<i>For Elevated Installation >35' To 40', Add</i>	84.34	
<i>For Elevated Installation >40', Add</i>	92.77	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,457.30	73.09
For Work In Restricted Working Space, Add	54.81	
For Elevated Installation >10' To 15', Add	18.27	
For Elevated Installation >15' To 20', Add	36.54	
For Elevated Installation >20' To 25', Add	45.68	
For Elevated Installation >25' To 30', Add	63.95	
For Elevated Installation >30' To 35', Add	73.08	
For Elevated Installation >35' To 40', Add	91.35	
For Elevated Installation >40', Add	100.49	
26 05 33 13-0419 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,176.55	89.95
For Work In Restricted Working Space, Add	67.46	
For Elevated Installation >10' To 15', Add	22.49	
For Elevated Installation >15' To 20', Add	44.98	
For Elevated Installation >20' To 25', Add	56.22	
For Elevated Installation >25' To 30', Add	78.71	
For Elevated Installation >30' To 35', Add	89.95	
For Elevated Installation >35' To 40', Add	112.44	
For Elevated Installation >40', Add	123.68	
26 05 33 13-0420 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,688.58	99.79
For Work In Restricted Working Space, Add	74.89	
For Elevated Installation >10' To 15', Add	24.96	
For Elevated Installation >15' To 20', Add	49.92	
For Elevated Installation >20' To 25', Add	62.41	
For Elevated Installation >25' To 30', Add	87.37	
For Elevated Installation >30' To 35', Add	99.85	
For Elevated Installation >35' To 40', Add	124.81	
For Elevated Installation >40', Add	137.29	
26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings (26 05 33 13-0060)		
Note: Type DX		
26 05 33 13-0422 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	229.61	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.25	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.12	
For Elevated Installation >40', Add	30.93	
26 05 33 13-0423 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	272.28	25.30
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
26 05 33 13-0424 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	327.06	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.06	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.60	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0425 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	382.70	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0426 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	422.83	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0427 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	518.26	36.54
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.97	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0428 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	682.23	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
26 05 33 13-0429 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	864.51	56.22
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
26 05 33 13-0430 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	976.27	67.47
For Work In Restricted Working Space, Add	50.60	
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.74	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.04	
For Elevated Installation >30' To 35', Add	67.47	
For Elevated Installation >35' To 40', Add	84.34	
For Elevated Installation >40', Add	92.77	
26 05 33 13-0431 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,176.53	73.09
For Work In Restricted Working Space, Add	54.81	
For Elevated Installation >10' To 15', Add	18.27	
For Elevated Installation >15' To 20', Add	36.54	
For Elevated Installation >20' To 25', Add	45.68	
For Elevated Installation >25' To 30', Add	63.95	
For Elevated Installation >30' To 35', Add	73.08	
For Elevated Installation >35' To 40', Add	91.35	
For Elevated Installation >40', Add	100.49	
26 05 33 13-0432 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,982.94	89.95
For Work In Restricted Working Space, Add	67.46	
For Elevated Installation >10' To 15', Add	22.49	
For Elevated Installation >15' To 20', Add	44.98	
For Elevated Installation >20' To 25', Add	56.22	
For Elevated Installation >25' To 30', Add	78.71	
For Elevated Installation >30' To 35', Add	89.95	
For Elevated Installation >35' To 40', Add	112.44	
For Elevated Installation >40', Add	123.68	
26 05 33 13-0433 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,116.76	99.79
For Work In Restricted Working Space, Add	74.89	
For Elevated Installation >10' To 15', Add	24.96	
For Elevated Installation >15' To 20', Add	49.92	
For Elevated Installation >20' To 25', Add	62.41	
For Elevated Installation >25' To 30', Add	87.37	
For Elevated Installation >30' To 35', Add	99.85	
For Elevated Installation >35' To 40', Add	124.81	
For Elevated Installation >40', Add	137.29	
26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0060)		
26 05 33 13-0435 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper	63.87	11.24
For Work In Restricted Working Space, Add	8.44	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.25	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.47	
26 05 33 13-0436 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper	74.50	14.06
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0437 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper	91.45	16.86
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper	127.45	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
26 05 33 13-0439 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	192.81	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.09	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.74	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.39	
26 05 33 13-0440 EA 5" To 6" Conduit, 14" Bonding Jumper	318.54	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
26 05 33 13-0441 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper	69.99	11.24
For Work In Restricted Working Space, Add	8.44	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.25	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.47	
26 05 33 13-0442 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper	82.23	14.06
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0443 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper	98.53	16.86
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0444 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper	136.85	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
26 05 33 13-0445 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	205.29	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.09	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.74	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.39	
26 05 33 13-0446 EA 5" To 6" Conduit, 24" Bonding Jumper	358.79	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0448 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	124.12	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0449 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	147.57	42.16
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-0450 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	179.66	49.19
For Work In Restricted Working Space, Add	29.52	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.52	
26 05 33 13-0451 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	211.15	56.22
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-0452 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	275.08	63.25
For Work In Restricted Working Space, Add	37.95	
For Elevated Installation >10' To 15', Add	12.65	
For Elevated Installation >15' To 20', Add	25.30	
For Elevated Installation >20' To 25', Add	31.62	
For Elevated Installation >25' To 30', Add	44.27	
For Elevated Installation >30' To 35', Add	50.60	
For Elevated Installation >35' To 40', Add	63.25	
For Elevated Installation >40', Add	69.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.95	
26 05 33 13-0453 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	333.07	70.27
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.17	
26 05 33 13-0454 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal.....	467.77	84.33
For Work In Restricted Working Space, Add	50.60	
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.60	
26 05 33 13-0455 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	562.15	98.39
For Work In Restricted Working Space, Add	59.03	
For Elevated Installation >10' To 15', Add	19.68	
For Elevated Installation >15' To 20', Add	39.35	
For Elevated Installation >20' To 25', Add	49.19	
For Elevated Installation >25' To 30', Add	68.87	
For Elevated Installation >30' To 35', Add	78.71	
For Elevated Installation >35' To 40', Add	98.39	
For Elevated Installation >40', Add	108.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.03	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,278.66	112.45
For Work In Restricted Working Space, Add	67.46	
For Elevated Installation >10' To 15', Add	22.49	
For Elevated Installation >15' To 20', Add	44.98	
For Elevated Installation >20' To 25', Add	56.22	
For Elevated Installation >25' To 30', Add	78.71	
For Elevated Installation >30' To 35', Add	89.95	
For Elevated Installation >35' To 40', Add	112.44	
For Elevated Installation >40', Add	123.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.46	
26 05 33 13-0457 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,472.59	126.49
For Work In Restricted Working Space, Add	75.90	
For Elevated Installation >10' To 15', Add	25.30	
For Elevated Installation >15' To 20', Add	50.60	
For Elevated Installation >20' To 25', Add	63.25	
For Elevated Installation >25' To 30', Add	88.55	
For Elevated Installation >30' To 35', Add	101.20	
For Elevated Installation >35' To 40', Add	126.50	
For Elevated Installation >40', Add	139.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.90	
26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings <small>(26 05 33 13-0060)</small>		
26 05 33 13-0459 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	18.25	8.44
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
26 05 33 13-0460 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	25.63	11.94
For Work In Restricted Working Space, Add	7.17	
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.56	
For Elevated Installation >35' To 40', Add	11.95	
For Elevated Installation >40', Add	13.15	
26 05 33 13-0461 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	33.57	15.46
For Work In Restricted Working Space, Add	9.28	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.73	
For Elevated Installation >25' To 30', Add	10.82	
For Elevated Installation >30' To 35', Add	12.37	
For Elevated Installation >35' To 40', Add	15.46	
For Elevated Installation >40', Add	17.01	
26 05 33 13-0462 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	38.48	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0463 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	46.34	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0464 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	54.02	23.90
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.90	
For Elevated Installation >40', Add	26.28	
26 05 33 13-0465 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	67.40	26.70
For Work In Restricted Working Space, Add	16.02	
For Elevated Installation >10' To 15', Add	5.34	
For Elevated Installation >15' To 20', Add	10.68	
For Elevated Installation >20' To 25', Add	13.35	
For Elevated Installation >25' To 30', Add	18.69	
For Elevated Installation >30' To 35', Add	21.36	
For Elevated Installation >35' To 40', Add	26.71	
For Elevated Installation >40', Add	29.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0466 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	78.63	30.22
For Work In Restricted Working Space, Add	18.13	
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
26 05 33 13-0467 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	90.64	33.03
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.21	
For Elevated Installation >20' To 25', Add	16.52	
For Elevated Installation >25' To 30', Add	23.12	
For Elevated Installation >30' To 35', Add	26.42	
For Elevated Installation >35' To 40', Add	33.03	
For Elevated Installation >40', Add	36.33	
26 05 33 13-0468 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	95.87	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut <small>(26 05 33 13-0060)</small>		
26 05 33 13-0470 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.04	1.40
26 05 33 13-0471 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.63	2.10
26 05 33 13-0472 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.35	3.52
26 05 33 13-0473 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	13.48	4.92
26 05 33 13-0474 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	16.04	5.62
26 05 33 13-0475 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	18.77	6.32
26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings <small>(26 05 33 13-0060)</small>		
26 05 33 13-0477 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	257.17	17.06
For Work In Restricted Working Space, Add	12.80	
For Elevated Installation >10' To 15', Add	4.27	
For Elevated Installation >15' To 20', Add	8.53	
For Elevated Installation >20' To 25', Add	10.66	
For Elevated Installation >25' To 30', Add	14.93	
For Elevated Installation >30' To 35', Add	17.06	
For Elevated Installation >35' To 40', Add	21.33	
For Elevated Installation >40', Add	23.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 05 33 13-0478 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	261.28	18.70
For Work In Restricted Working Space, Add	14.03	
For Elevated Installation >10' To 15', Add	4.68	
For Elevated Installation >15' To 20', Add	9.35	
For Elevated Installation >20' To 25', Add	11.69	
For Elevated Installation >25' To 30', Add	16.37	
For Elevated Installation >30' To 35', Add	18.70	
For Elevated Installation >35' To 40', Add	23.38	
For Elevated Installation >40', Add	25.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 05 33 13-0479 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	313.75	20.52
For Work In Restricted Working Space, Add	15.36	
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.24	
For Elevated Installation >20' To 25', Add	12.80	
For Elevated Installation >25' To 30', Add	17.92	
For Elevated Installation >30' To 35', Add	20.48	
For Elevated Installation >35' To 40', Add	25.60	
For Elevated Installation >40', Add	28.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.36	
26 05 33 13-0480 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	344.43	22.49
For Work In Restricted Working Space, Add	16.88	
For Elevated Installation >10' To 15', Add	5.63	
For Elevated Installation >15' To 20', Add	11.25	
For Elevated Installation >20' To 25', Add	14.07	
For Elevated Installation >25' To 30', Add	19.69	
For Elevated Installation >30' To 35', Add	22.51	
For Elevated Installation >35' To 40', Add	28.14	
For Elevated Installation >40', Add	30.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	393.03	25.30
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-0482 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	582.59	28.11
For Work In Restricted Working Space, Add	21.09	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.06	
For Elevated Installation >20' To 25', Add	17.58	
For Elevated Installation >25' To 30', Add	24.61	
For Elevated Installation >30' To 35', Add	28.12	
For Elevated Installation >35' To 40', Add	35.16	
For Elevated Installation >40', Add	38.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.09	
26 05 33 13-0483 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	670.08	37.53
For Work In Restricted Working Space, Add	28.13	
For Elevated Installation >10' To 15', Add	9.38	
For Elevated Installation >15' To 20', Add	18.75	
For Elevated Installation >20' To 25', Add	23.44	
For Elevated Installation >25' To 30', Add	32.82	
For Elevated Installation >30' To 35', Add	37.50	
For Elevated Installation >35' To 40', Add	46.88	
For Elevated Installation >40', Add	51.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.13	
26 05 33 13-0484 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	743.39	41.18
For Work In Restricted Working Space, Add	30.91	
For Elevated Installation >10' To 15', Add	10.30	
For Elevated Installation >15' To 20', Add	20.61	
For Elevated Installation >20' To 25', Add	25.76	
For Elevated Installation >25' To 30', Add	36.06	
For Elevated Installation >30' To 35', Add	41.21	
For Elevated Installation >35' To 40', Add	51.52	
For Elevated Installation >40', Add	56.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.91	
26 05 33 13-0485 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	864.89	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.12	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.99	
For Elevated Installation >35' To 40', Add	56.24	
For Elevated Installation >40', Add	61.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-0486 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	974.96	50.60
For Work In Restricted Working Space, Add	37.95	
For Elevated Installation >10' To 15', Add	12.65	
For Elevated Installation >15' To 20', Add	25.30	
For Elevated Installation >20' To 25', Add	31.62	
For Elevated Installation >25' To 30', Add	44.27	
For Elevated Installation >30' To 35', Add	50.60	
For Elevated Installation >35' To 40', Add	63.25	
For Elevated Installation >40', Add	69.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.95	
26 05 33 13-0487 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,309.20	56.22
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.17	
26 05 33 13-0488 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,628.83	62.41
For Work In Restricted Working Space, Add	46.80	
For Elevated Installation >10' To 15', Add	15.60	
For Elevated Installation >15' To 20', Add	31.20	
For Elevated Installation >20' To 25', Add	39.00	
For Elevated Installation >25' To 30', Add	54.60	
For Elevated Installation >30' To 35', Add	62.40	
For Elevated Installation >35' To 40', Add	78.01	
For Elevated Installation >40', Add	85.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.80	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0060)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.73 6.53 2.18 4.36 5.45 7.62 8.71 10.89 11.98 6.53	10.89
26 05 33	13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.93 6.96 2.32 4.64 5.80 8.12 9.28 11.60 12.75 6.96	11.59
26 05 33	13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64 7.17 2.39 4.78 5.98 8.37 9.56 11.95 13.15 7.17	11.94
26 05 33	13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.11 7.38 2.46 4.92 6.15 8.61 9.84 12.30 13.53 7.38	12.29
26 05 33	13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.81 7.59 2.53 5.06 6.33 8.86 10.12 12.65 13.92 7.59	12.65
26 05 33	13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.21 8.01 2.67 5.34 6.68 9.35 10.68 13.35 14.69 8.01	13.36
26 05 33	13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.57 8.43 2.81 5.62 7.03 9.84 11.24 14.06 15.46 8.43	14.06
26 05 33	13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.28 8.65 2.88 5.76 7.21 10.09 11.53 14.41 15.85 8.65	14.41

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0498 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	35.68	15.11
For Work In Restricted Working Space, Add	9.07	
For Elevated Installation >10' To 15', Add	3.02	
For Elevated Installation >15' To 20', Add	6.04	
For Elevated Installation >20' To 25', Add	7.56	
For Elevated Installation >25' To 30', Add	10.58	
For Elevated Installation >30' To 35', Add	12.09	
For Elevated Installation >35' To 40', Add	15.11	
For Elevated Installation >40', Add	16.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.07	
26 05 33 13-0499 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	37.08	15.81
For Work In Restricted Working Space, Add	9.49	
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.32	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.07	
For Elevated Installation >30' To 35', Add	12.65	
For Elevated Installation >35' To 40', Add	15.81	
For Elevated Installation >40', Add	17.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 05 33 13-0500 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	43.61	15.81
For Work In Restricted Working Space, Add	9.49	
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.32	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.07	
For Elevated Installation >30' To 35', Add	12.65	
For Elevated Installation >35' To 40', Add	15.81	
For Elevated Installation >40', Add	17.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 05 33 13-0501 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	44.31	16.16
For Work In Restricted Working Space, Add	9.70	
For Elevated Installation >10' To 15', Add	3.23	
For Elevated Installation >15' To 20', Add	6.46	
For Elevated Installation >20' To 25', Add	8.08	
For Elevated Installation >25' To 30', Add	11.31	
For Elevated Installation >30' To 35', Add	12.93	
For Elevated Installation >35' To 40', Add	16.16	
For Elevated Installation >40', Add	17.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.70	
26 05 33 13-0502 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	45.72	16.86
For Work In Restricted Working Space, Add	10.12	
For Elevated Installation >10' To 15', Add	3.37	
For Elevated Installation >15' To 20', Add	6.75	
For Elevated Installation >20' To 25', Add	8.43	
For Elevated Installation >25' To 30', Add	11.81	
For Elevated Installation >30' To 35', Add	13.49	
For Elevated Installation >35' To 40', Add	16.87	
For Elevated Installation >40', Add	18.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.12	
26 05 33 13-0503 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	47.13	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0504 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	50.64	19.33
For Work In Restricted Working Space, Add	11.60	
For Elevated Installation >10' To 15', Add	3.87	
For Elevated Installation >15' To 20', Add	7.73	
For Elevated Installation >20' To 25', Add	9.66	
For Elevated Installation >25' To 30', Add	13.53	
For Elevated Installation >30' To 35', Add	15.46	
For Elevated Installation >35' To 40', Add	19.33	
For Elevated Installation >40', Add	21.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 33 13-0505 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	63.45	22.84
For Work In Restricted Working Space, Add	13.70	
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0507 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts.....	2.91	1.40
For Work In Restricted Working Space, Add	0.85	
For Elevated Installation >10' To 15', Add	0.28	
For Elevated Installation >15' To 20', Add	0.56	
For Elevated Installation >20' To 25', Add	0.71	
For Elevated Installation >25' To 30', Add	0.99	
For Elevated Installation >30' To 35', Add	1.13	
For Elevated Installation >35' To 40', Add	1.41	
For Elevated Installation >40', Add	1.55	
26 05 33 13-0508 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts.....	4.34	2.10
For Work In Restricted Working Space, Add	1.27	
For Elevated Installation >10' To 15', Add	0.42	
For Elevated Installation >15' To 20', Add	0.84	
For Elevated Installation >20' To 25', Add	1.06	
For Elevated Installation >25' To 30', Add	1.48	
For Elevated Installation >30' To 35', Add	1.69	
For Elevated Installation >35' To 40', Add	2.11	
For Elevated Installation >40', Add	2.32	
26 05 33 13-0509 EA 1" Rigid Galvanized Steel (RGS) Locknuts.....	7.22	3.52
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
26 05 33 13-0510 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	10.17	4.92
For Work In Restricted Working Space, Add	2.95	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.44	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.92	
For Elevated Installation >40', Add	5.41	
26 05 33 13-0511 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	11.67	5.62
For Work In Restricted Working Space, Add	3.37	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.25	
For Elevated Installation >20' To 25', Add	2.81	
For Elevated Installation >25' To 30', Add	3.93	
For Elevated Installation >30' To 35', Add	4.50	
For Elevated Installation >35' To 40', Add	5.62	
For Elevated Installation >40', Add	6.18	
26 05 33 13-0512 EA 2" Rigid Galvanized Steel (RGS) Locknuts.....	13.18	6.32
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.53	
For Elevated Installation >20' To 25', Add	3.16	
For Elevated Installation >25' To 30', Add	4.43	
For Elevated Installation >30' To 35', Add	5.06	
For Elevated Installation >35' To 40', Add	6.33	
For Elevated Installation >40', Add	6.96	
26 05 33 13-0513 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	18.28	8.44
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
26 05 33 13-0514 EA 3" Rigid Galvanized Steel (RGS) Locknuts.....	22.65	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
26 05 33 13-0515 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	26.51	11.94
For Work In Restricted Working Space, Add	7.17	
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.56	
For Elevated Installation >35' To 40', Add	11.95	
For Elevated Installation >40', Add	13.15	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0516	EA 4" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	29.70 8.01 2.67 5.34 6.68 9.35 10.68 13.35 14.69	13.36
26 05 33 13-0517	Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0060)</small>		
26 05 33 13-0518	EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	4.12 0.85 0.28 0.56 0.71 0.99 1.13 1.41 1.55	1.40
26 05 33 13-0519	EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	5.78 1.27 0.42 0.84 1.06 1.48 1.69 2.11 2.32	2.10
26 05 33 13-0520	EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	9.25 2.11 0.70 1.40 1.76 2.46 2.81 3.51 3.86	3.52
26 05 33 13-0521	EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	12.95 2.95 0.98 1.97 2.46 3.44 3.94 4.92 5.41	4.92
26 05 33 13-0522	EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	14.64 3.37 1.12 2.25 2.81 3.93 4.50 5.62 6.18	5.62
26 05 33 13-0523	EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	17.08 3.80 1.27 2.53 3.16 4.43 5.06 6.33 6.96	6.32
26 05 33 13-0524	EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	25.10 5.06 1.69 3.37 4.22 5.90 6.74 8.43 9.27	8.44
26 05 33 13-0525	EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	31.54 6.32 2.11 4.22 5.27 7.38 8.43 10.54 11.59	10.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	40.89	11.94
<i>For Work In Restricted Working Space, Add</i>	7.17	
<i>For Elevated Installation >10' To 15', Add</i>	2.39	
<i>For Elevated Installation >15' To 20', Add</i>	4.78	
<i>For Elevated Installation >20' To 25', Add</i>	5.98	
<i>For Elevated Installation >25' To 30', Add</i>	8.37	
<i>For Elevated Installation >30' To 35', Add</i>	9.56	
<i>For Elevated Installation >35' To 40', Add</i>	11.95	
<i>For Elevated Installation >40', Add</i>	13.15	
26 05 33 13-0527 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	48.61	13.36
<i>For Work In Restricted Working Space, Add</i>	8.01	
<i>For Elevated Installation >10' To 15', Add</i>	2.67	
<i>For Elevated Installation >15' To 20', Add</i>	5.34	
<i>For Elevated Installation >20' To 25', Add</i>	6.68	
<i>For Elevated Installation >25' To 30', Add</i>	9.35	
<i>For Elevated Installation >30' To 35', Add</i>	10.68	
<i>For Elevated Installation >35' To 40', Add</i>	13.35	
<i>For Elevated Installation >40', Add</i>	14.69	
26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0060)		
26 05 33 13-0529 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	11.69	4.22
<i>For Work In Restricted Working Space, Add</i>	2.53	
<i>For Elevated Installation >10' To 15', Add</i>	0.84	
<i>For Elevated Installation >15' To 20', Add</i>	1.69	
<i>For Elevated Installation >20' To 25', Add</i>	2.11	
<i>For Elevated Installation >25' To 30', Add</i>	2.95	
<i>For Elevated Installation >30' To 35', Add</i>	3.38	
<i>For Elevated Installation >35' To 40', Add</i>	4.22	
<i>For Elevated Installation >40', Add</i>	4.64	
26 05 33 13-0530 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	14.77	5.62
<i>For Work In Restricted Working Space, Add</i>	3.37	
<i>For Elevated Installation >10' To 15', Add</i>	1.12	
<i>For Elevated Installation >15' To 20', Add</i>	2.25	
<i>For Elevated Installation >20' To 25', Add</i>	2.81	
<i>For Elevated Installation >25' To 30', Add</i>	3.93	
<i>For Elevated Installation >30' To 35', Add</i>	4.50	
<i>For Elevated Installation >35' To 40', Add</i>	5.62	
<i>For Elevated Installation >40', Add</i>	6.18	
26 05 33 13-0531 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	18.81	7.02
<i>For Work In Restricted Working Space, Add</i>	4.22	
<i>For Elevated Installation >10' To 15', Add</i>	1.41	
<i>For Elevated Installation >15' To 20', Add</i>	2.81	
<i>For Elevated Installation >20' To 25', Add</i>	3.52	
<i>For Elevated Installation >25' To 30', Add</i>	4.92	
<i>For Elevated Installation >30' To 35', Add</i>	5.62	
<i>For Elevated Installation >35' To 40', Add</i>	7.03	
<i>For Elevated Installation >40', Add</i>	7.73	
26 05 33 13-0532 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	27.79	11.24
<i>For Work In Restricted Working Space, Add</i>	6.75	
<i>For Elevated Installation >10' To 15', Add</i>	2.25	
<i>For Elevated Installation >15' To 20', Add</i>	4.50	
<i>For Elevated Installation >20' To 25', Add</i>	5.62	
<i>For Elevated Installation >25' To 30', Add</i>	7.87	
<i>For Elevated Installation >30' To 35', Add</i>	9.00	
<i>For Elevated Installation >35' To 40', Add</i>	11.25	
<i>For Elevated Installation >40', Add</i>	12.37	
26 05 33 13-0533 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	31.30	12.65
<i>For Work In Restricted Working Space, Add</i>	7.59	
<i>For Elevated Installation >10' To 15', Add</i>	2.53	
<i>For Elevated Installation >15' To 20', Add</i>	5.06	
<i>For Elevated Installation >20' To 25', Add</i>	6.33	
<i>For Elevated Installation >25' To 30', Add</i>	8.86	
<i>For Elevated Installation >30' To 35', Add</i>	10.12	
<i>For Elevated Installation >35' To 40', Add</i>	12.65	
<i>For Elevated Installation >40', Add</i>	13.92	
26 05 33 13-0534 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	35.47	14.06
<i>For Work In Restricted Working Space, Add</i>	8.43	
<i>For Elevated Installation >10' To 15', Add</i>	2.81	
<i>For Elevated Installation >15' To 20', Add</i>	5.62	
<i>For Elevated Installation >20' To 25', Add</i>	7.03	
<i>For Elevated Installation >25' To 30', Add</i>	9.84	
<i>For Elevated Installation >30' To 35', Add</i>	11.24	
<i>For Elevated Installation >35' To 40', Add</i>	14.06	
<i>For Elevated Installation >40', Add</i>	15.46	
26 05 33 13-0535 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	47.95	16.86
<i>For Work In Restricted Working Space, Add</i>	10.12	
<i>For Elevated Installation >10' To 15', Add</i>	3.37	
<i>For Elevated Installation >15' To 20', Add</i>	6.75	
<i>For Elevated Installation >20' To 25', Add</i>	8.43	
<i>For Elevated Installation >25' To 30', Add</i>	11.81	
<i>For Elevated Installation >30' To 35', Add</i>	13.49	
<i>For Elevated Installation >35' To 40', Add</i>	16.87	
<i>For Elevated Installation >40', Add</i>	18.55	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0536 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	58.45	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0537 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	73.05	28.11
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
26 05 33 13-0538 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	89.30	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0060)</small>		
26 05 33 13-0540 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	28.88	12.65
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
26 05 33 13-0541 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	33.88	14.06
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
26 05 33 13-0542 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	44.15	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0543 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	59.11	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0544 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	79.69	28.11
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
26 05 33 13-0545 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	115.31	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	188.23	42.16
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0547 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	236.13	49.19
For Work In Restricted Working Space, Add	29.52	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
26 05 33 13-0548 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	299.47	59.73
For Work In Restricted Working Space, Add	35.84	
For Elevated Installation >10' To 15', Add	11.95	
For Elevated Installation >15' To 20', Add	23.89	
For Elevated Installation >20' To 25', Add	29.87	
For Elevated Installation >25' To 30', Add	41.81	
For Elevated Installation >30' To 35', Add	47.79	
For Elevated Installation >35' To 40', Add	59.74	
For Elevated Installation >40', Add	65.71	
26 05 33 13-0549 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	360.91	70.27
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0060)</small>		
26 05 33 13-0551 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	40.92	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0552 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling.....	51.43	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0553 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling.....	72.38	28.11
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
26 05 33 13-0554 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling.....	94.19	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0555 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	115.47	42.16
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0556 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling	166.50	49.19
For Work In Restricted Working Space, Add	29.52	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
26 05 33 13-0557 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	255.92	56.22
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
26 05 33 13-0558 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling	287.06	48.49
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.40	
For Elevated Installation >20' To 25', Add	24.25	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.34	
26 05 33 13-0559 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	397.81	73.79
For Work In Restricted Working Space, Add	44.27	
For Elevated Installation >10' To 15', Add	14.76	
For Elevated Installation >15' To 20', Add	29.52	
For Elevated Installation >20' To 25', Add	36.90	
For Elevated Installation >25' To 30', Add	51.65	
For Elevated Installation >30' To 35', Add	59.03	
For Elevated Installation >35' To 40', Add	73.79	
For Elevated Installation >40', Add	81.17	
26 05 33 13-0560 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling	488.84	84.33
For Work In Restricted Working Space, Add	50.60	
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal <small>(26 05 33 13-0060)</small>		
26 05 33 13-0562 EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal	7.30	3.52
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
26 05 33 13-0563 EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal	8.80	4.22
For Work In Restricted Working Space, Add	2.53	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.11	
For Elevated Installation >25' To 30', Add	2.95	
For Elevated Installation >30' To 35', Add	3.38	
For Elevated Installation >35' To 40', Add	4.22	
For Elevated Installation >40', Add	4.64	
26 05 33 13-0564 EA 1" Zinc Plated Steel Snap-in Knock Out Seal	10.41	4.92
For Work In Restricted Working Space, Add	2.95	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.44	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.92	
For Elevated Installation >40', Add	5.41	
26 05 33 13-0565 EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	13.40	6.32
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.53	
For Elevated Installation >20' To 25', Add	3.16	
For Elevated Installation >25' To 30', Add	4.43	
For Elevated Installation >30' To 35', Add	5.06	
For Elevated Installation >35' To 40', Add	6.33	
For Elevated Installation >40', Add	6.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0566 EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	15.11	7.02
For Work In Restricted Working Space, Add	4.22	
For Elevated Installation >10' To 15', Add	1.41	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.52	
For Elevated Installation >25' To 30', Add	4.92	
For Elevated Installation >30' To 35', Add	5.62	
For Elevated Installation >35' To 40', Add	7.03	
For Elevated Installation >40', Add	7.73	
26 05 33 13-0567 EA 2" Zinc Plated Steel Snap-in Knock Out Seal	18.33	8.44
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal <small>(26 05 33 13-0060)</small>		
26 05 33 13-0569 EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal	8.67	3.52
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
26 05 33 13-0570 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal	10.36	4.22
For Work In Restricted Working Space, Add	2.53	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.11	
For Elevated Installation >25' To 30', Add	2.95	
For Elevated Installation >30' To 35', Add	3.38	
For Elevated Installation >35' To 40', Add	4.22	
For Elevated Installation >40', Add	4.64	
26 05 33 13-0571 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal	12.49	4.92
For Work In Restricted Working Space, Add	2.95	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.44	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.92	
For Elevated Installation >40', Add	5.41	
26 05 33 13-0572 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	16.06	6.32
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.53	
For Elevated Installation >20' To 25', Add	3.16	
For Elevated Installation >25' To 30', Add	4.43	
For Elevated Installation >30' To 35', Add	5.06	
For Elevated Installation >35' To 40', Add	6.33	
For Elevated Installation >40', Add	6.96	
26 05 33 13-0573 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	19.50	7.02
For Work In Restricted Working Space, Add	4.22	
For Elevated Installation >10' To 15', Add	1.41	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.52	
For Elevated Installation >25' To 30', Add	4.92	
For Elevated Installation >30' To 35', Add	5.62	
For Elevated Installation >35' To 40', Add	7.03	
For Elevated Installation >40', Add	7.73	
26 05 33 13-0574 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal	23.56	8.44
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
26 05 33 13-0575 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	28.96	10.54
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0576 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal	33.74	11.94
For Work In Restricted Working Space, Add	7.17	
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.56	
For Elevated Installation >35' To 40', Add	11.95	
For Elevated Installation >40', Add	13.15	
26 05 33 13-0577 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	40.56	13.36
For Work In Restricted Working Space, Add	8.01	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.68	
For Elevated Installation >25' To 30', Add	9.35	
For Elevated Installation >30' To 35', Add	10.68	
For Elevated Installation >35' To 40', Add	13.35	
For Elevated Installation >40', Add	14.69	
26 05 33 13-0578 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal	47.30	14.76
For Work In Restricted Working Space, Add	8.86	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.90	
For Elevated Installation >20' To 25', Add	7.38	
For Elevated Installation >25' To 30', Add	10.33	
For Elevated Installation >30' To 35', Add	11.81	
For Elevated Installation >35' To 40', Add	14.76	
For Elevated Installation >40', Add	16.24	
26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0060)		
26 05 33 13-0580 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.28	8.44
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.06	
26 05 33 13-0581 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	20.39	9.84
For Work In Restricted Working Space, Add	5.90	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.94	
For Elevated Installation >20' To 25', Add	4.92	
For Elevated Installation >25' To 30', Add	6.89	
For Elevated Installation >30' To 35', Add	7.87	
For Elevated Installation >35' To 40', Add	9.84	
For Elevated Installation >40', Add	10.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-0582 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	25.44	11.94
For Work In Restricted Working Space, Add	7.17	
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.56	
For Elevated Installation >35' To 40', Add	11.95	
For Elevated Installation >40', Add	13.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.17	
26 05 33 13-0583 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	30.78	14.06
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 05 33 13-0584 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	38.58	17.57
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0585 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	47.74	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0586 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	59.80	24.60
For Work In Restricted Working Space, Add	14.76	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-0587 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	67.11	28.11
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.87	
26 05 33 13-0588 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	82.50	31.62
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-0589 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	110.61	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0060)</small>		
26 05 33 13-0591 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	32.62	12.65
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
26 05 33 13-0592 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	37.92	14.76
For Work In Restricted Working Space, Add	8.86	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.90	
For Elevated Installation >20' To 25', Add	7.38	
For Elevated Installation >25' To 30', Add	10.33	
For Elevated Installation >30' To 35', Add	11.81	
For Elevated Installation >35' To 40', Add	14.76	
For Elevated Installation >40', Add	16.24	
26 05 33 13-0593 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	47.68	16.86
For Work In Restricted Working Space, Add	10.12	
For Elevated Installation >10' To 15', Add	3.37	
For Elevated Installation >15' To 20', Add	6.75	
For Elevated Installation >20' To 25', Add	8.43	
For Elevated Installation >25' To 30', Add	11.81	
For Elevated Installation >30' To 35', Add	13.49	
For Elevated Installation >35' To 40', Add	16.87	
For Elevated Installation >40', Add	18.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0594 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	60.94	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0595 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	80.41	25.30
For Work In Restricted Working Space, Add	15.18	
For Elevated Installation >10' To 15', Add	5.06	
For Elevated Installation >15' To 20', Add	10.12	
For Elevated Installation >20' To 25', Add	12.65	
For Elevated Installation >25' To 30', Add	17.71	
For Elevated Installation >30' To 35', Add	20.24	
For Elevated Installation >35' To 40', Add	25.30	
For Elevated Installation >40', Add	27.83	
26 05 33 13-0596 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	106.21	29.52
For Work In Restricted Working Space, Add	17.71	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.81	
For Elevated Installation >20' To 25', Add	14.76	
For Elevated Installation >25' To 30', Add	20.66	
For Elevated Installation >30' To 35', Add	23.61	
For Elevated Installation >35' To 40', Add	29.52	
For Elevated Installation >40', Add	32.47	
26 05 33 13-0597 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	145.36	33.73
For Work In Restricted Working Space, Add	20.24	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.49	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.61	
For Elevated Installation >30' To 35', Add	26.99	
For Elevated Installation >35' To 40', Add	33.74	
For Elevated Installation >40', Add	37.11	
26 05 33 13-0598 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	249.34	42.16
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0599)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0599)		
Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0601 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	7.26	2.53
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.57	
For Installation In Metal Stud Wall, Add	0.63	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.58	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.95	
For Work In Restricted Working Space, Add	1.90	
For Elevated Installation >10' To 15', Add	0.63	
For Elevated Installation >15' To 20', Add	1.26	
For Elevated Installation >20' To 25', Add	1.58	
For Elevated Installation >25' To 30', Add	2.21	
For Elevated Installation >30' To 35', Add	2.53	
For Elevated Installation >35' To 40', Add	3.16	
For Elevated Installation >40', Add	3.48	
For Factory Applied Color Coating, Add	0.28	
26 05 33 13-0602 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	8.49	2.82
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.46	
For >1,000, Deduct	-0.67	
For Installation In Metal Stud Wall, Add	0.70	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.76	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
For Factory Applied Color Coating, Add	0.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0603 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	10.19	3.10
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.57	
For >1,000, Deduct	-0.83	
For Installation In Metal Stud Wall, Add	0.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.93	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
For Work In Restricted Working Space, Add	2.32	
For Elevated Installation >10' To 15', Add	0.77	
For Elevated Installation >15' To 20', Add	1.55	
For Elevated Installation >20' To 25', Add	1.93	
For Elevated Installation >25' To 30', Add	2.71	
For Elevated Installation >30' To 35', Add	3.09	
For Elevated Installation >35' To 40', Add	3.87	
For Elevated Installation >40', Add	4.25	
For Factory Applied Color Coating, Add	0.74	
26 05 33 13-0604 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit	12.59	3.49
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.73	
For >1,000, Deduct	-1.04	
For Installation In Metal Stud Wall, Add	0.87	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.18	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.31	
For Work In Restricted Working Space, Add	2.62	
For Elevated Installation >10' To 15', Add	0.87	
For Elevated Installation >15' To 20', Add	1.74	
For Elevated Installation >20' To 25', Add	2.18	
For Elevated Installation >25' To 30', Add	3.05	
For Elevated Installation >30' To 35', Add	3.49	
For Elevated Installation >35' To 40', Add	4.36	
For Elevated Installation >40', Add	4.80	
For Factory Applied Color Coating, Add	1.16	
26 05 33 13-0605 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit	14.66	3.94
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.22	
For Installation In Metal Stud Wall, Add	0.98	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.46	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.48	
For Work In Restricted Working Space, Add	2.95	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.44	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.92	
For Elevated Installation >40', Add	5.41	
For Factory Applied Color Coating, Add	1.45	
26 05 33 13-0606 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	16.96	4.50
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.42	
For Installation In Metal Stud Wall, Add	1.12	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.81	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
For Work In Restricted Working Space, Add	3.37	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.25	
For Elevated Installation >20' To 25', Add	2.81	
For Elevated Installation >25' To 30', Add	3.93	
For Elevated Installation >30' To 35', Add	4.50	
For Elevated Installation >35' To 40', Add	5.62	
For Elevated Installation >40', Add	6.18	
For Factory Applied Color Coating, Add	1.72	
26 05 33 13-0607 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit	21.83	5.34
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-1.30	
For >1,000, Deduct	-1.85	
For Installation In Metal Stud Wall, Add	1.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.34	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.00	
For Work In Restricted Working Space, Add	4.01	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.67	
For Elevated Installation >20' To 25', Add	3.34	
For Elevated Installation >25' To 30', Add	4.68	
For Elevated Installation >30' To 35', Add	5.34	
For Elevated Installation >35' To 40', Add	6.68	
For Elevated Installation >40', Add	7.35	
For Factory Applied Color Coating, Add	2.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	26.07	6.18
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-1.57	
For >1,000, Deduct	-2.22	
For Installation In Metal Stud Wall, Add	1.55	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.87	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.32	
For Work In Restricted Working Space, Add	4.64	
For Elevated Installation >10' To 15', Add	1.55	
For Elevated Installation >15' To 20', Add	3.09	
For Elevated Installation >20' To 25', Add	3.87	
For Elevated Installation >25' To 30', Add	5.41	
For Elevated Installation >30' To 35', Add	6.18	
For Elevated Installation >35' To 40', Add	7.73	
For Elevated Installation >40', Add	8.50	
For Factory Applied Color Coating, Add	3.18	
26 05 33 13-0609 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	32.45	7.30
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.79	
For Installation In Metal Stud Wall, Add	1.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.57	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.74	
For Work In Restricted Working Space, Add	5.48	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.40	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Factory Applied Color Coating, Add	4.25	
26 05 33 13-0610 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	42.76	10.71
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-2.54	
For >1,000, Deduct	-3.61	
For Installation In Metal Stud Wall, Add	2.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.02	
For Work In Restricted Working Space, Add	8.04	
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.40	
For Elevated Installation >40', Add	14.73	
For Factory Applied Color Coating, Add	4.79	
26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0599)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0612 EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	18.31	6.18
For Work In Restricted Working Space, Add	4.64	
For Elevated Installation >10' To 15', Add	1.55	
For Elevated Installation >15' To 20', Add	3.09	
For Elevated Installation >20' To 25', Add	3.87	
For Elevated Installation >25' To 30', Add	5.41	
For Elevated Installation >30' To 35', Add	6.18	
For Elevated Installation >35' To 40', Add	7.73	
For Elevated Installation >40', Add	8.50	
26 05 33 13-0613 EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	19.39	6.74
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
26 05 33 13-0614 EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	23.65	7.88
For Work In Restricted Working Space, Add	5.90	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.94	
For Elevated Installation >20' To 25', Add	4.92	
For Elevated Installation >25' To 30', Add	6.89	
For Elevated Installation >30' To 35', Add	7.87	
For Elevated Installation >35' To 40', Add	9.84	
For Elevated Installation >40', Add	10.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615 EA 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	26.02	8.44
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Elevated Installation >10' To 15', Add</i>	2.11	
<i>For Elevated Installation >15' To 20', Add</i>	4.22	
<i>For Elevated Installation >20' To 25', Add</i>	5.27	
<i>For Elevated Installation >25' To 30', Add</i>	7.38	
<i>For Elevated Installation >30' To 35', Add</i>	8.43	
<i>For Elevated Installation >35' To 40', Add</i>	10.54	
<i>For Elevated Installation >40', Add</i>	11.59	
26 05 33 13-0616 EA 1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	30.85	10.12
<i>For Work In Restricted Working Space, Add</i>	7.59	
<i>For Elevated Installation >10' To 15', Add</i>	2.53	
<i>For Elevated Installation >15' To 20', Add</i>	5.06	
<i>For Elevated Installation >20' To 25', Add</i>	6.33	
<i>For Elevated Installation >25' To 30', Add</i>	8.86	
<i>For Elevated Installation >30' To 35', Add</i>	10.12	
<i>For Elevated Installation >35' To 40', Add</i>	12.65	
<i>For Elevated Installation >40', Add</i>	13.92	
26 05 33 13-0617 EA 2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	40.53	12.93
<i>For Work In Restricted Working Space, Add</i>	9.70	
<i>For Elevated Installation >10' To 15', Add</i>	3.23	
<i>For Elevated Installation >15' To 20', Add</i>	6.46	
<i>For Elevated Installation >20' To 25', Add</i>	8.08	
<i>For Elevated Installation >25' To 30', Add</i>	11.31	
<i>For Elevated Installation >30' To 35', Add</i>	12.93	
<i>For Elevated Installation >35' To 40', Add</i>	16.16	
<i>For Elevated Installation >40', Add</i>	17.78	
26 05 33 13-0618 EA 2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	54.67	14.62
<i>For Work In Restricted Working Space, Add</i>	10.96	
<i>For Elevated Installation >10' To 15', Add</i>	3.65	
<i>For Elevated Installation >15' To 20', Add</i>	7.31	
<i>For Elevated Installation >20' To 25', Add</i>	9.14	
<i>For Elevated Installation >25' To 30', Add</i>	12.79	
<i>For Elevated Installation >30' To 35', Add</i>	14.62	
<i>For Elevated Installation >35' To 40', Add</i>	18.27	
<i>For Elevated Installation >40', Add</i>	20.10	
26 05 33 13-0619 EA 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	70.04	16.30
<i>For Work In Restricted Working Space, Add</i>	12.23	
<i>For Elevated Installation >10' To 15', Add</i>	4.08	
<i>For Elevated Installation >15' To 20', Add</i>	8.15	
<i>For Elevated Installation >20' To 25', Add</i>	10.19	
<i>For Elevated Installation >25' To 30', Add</i>	14.27	
<i>For Elevated Installation >30' To 35', Add</i>	16.30	
<i>For Elevated Installation >35' To 40', Add</i>	20.38	
<i>For Elevated Installation >40', Add</i>	22.42	
26 05 33 13-0620 EA 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	79.62	17.99
<i>For Work In Restricted Working Space, Add</i>	13.49	
<i>For Elevated Installation >10' To 15', Add</i>	4.50	
<i>For Elevated Installation >15' To 20', Add</i>	9.00	
<i>For Elevated Installation >20' To 25', Add</i>	11.25	
<i>For Elevated Installation >25' To 30', Add</i>	15.74	
<i>For Elevated Installation >30' To 35', Add</i>	17.99	
<i>For Elevated Installation >35' To 40', Add</i>	22.49	
<i>For Elevated Installation >40', Add</i>	24.74	
26 05 33 13-0621 EA 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	164.29	46.88
<i>For Work In Restricted Working Space, Add</i>	35.16	
<i>For Elevated Installation >10' To 15', Add</i>	11.72	
<i>For Elevated Installation >15' To 20', Add</i>	23.44	
<i>For Elevated Installation >20' To 25', Add</i>	29.30	
<i>For Elevated Installation >25' To 30', Add</i>	41.02	
<i>For Elevated Installation >30' To 35', Add</i>	46.88	
<i>For Elevated Installation >35' To 40', Add</i>	58.61	
<i>For Elevated Installation >40', Add</i>	64.47	
26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows <small>(26 05 33 13-0599)</small>		
<small>See CSI section 26 05 33 13-2319 for conduit field bending.</small>		
26 05 33 13-0623 EA 1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	18.00	6.18
<i>For Work In Restricted Working Space, Add</i>	4.64	
<i>For Elevated Installation >10' To 15', Add</i>	1.55	
<i>For Elevated Installation >15' To 20', Add</i>	3.09	
<i>For Elevated Installation >20' To 25', Add</i>	3.87	
<i>For Elevated Installation >25' To 30', Add</i>	5.41	
<i>For Elevated Installation >30' To 35', Add</i>	6.18	
<i>For Elevated Installation >35' To 40', Add</i>	7.73	
<i>For Elevated Installation >40', Add</i>	8.50	
26 05 33 13-0624 EA 3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	19.57	6.74
<i>For Work In Restricted Working Space, Add</i>	5.06	
<i>For Elevated Installation >10' To 15', Add</i>	1.69	
<i>For Elevated Installation >15' To 20', Add</i>	3.37	
<i>For Elevated Installation >20' To 25', Add</i>	4.22	
<i>For Elevated Installation >25' To 30', Add</i>	5.90	
<i>For Elevated Installation >30' To 35', Add</i>	6.74	
<i>For Elevated Installation >35' To 40', Add</i>	8.43	
<i>For Elevated Installation >40', Add</i>	9.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625 EA 1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	24.05	7.88
For Work In Restricted Working Space, Add	5.90	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.94	
For Elevated Installation >20' To 25', Add	4.92	
For Elevated Installation >25' To 30', Add	6.89	
For Elevated Installation >30' To 35', Add	7.87	
For Elevated Installation >35' To 40', Add	9.84	
For Elevated Installation >40', Add	10.82	
26 05 33 13-0626 EA 1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	26.77	8.44
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
26 05 33 13-0627 EA 1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	31.81	10.12
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
26 05 33 13-0628 EA 2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	40.22	12.93
For Work In Restricted Working Space, Add	9.70	
For Elevated Installation >10' To 15', Add	3.23	
For Elevated Installation >15' To 20', Add	6.46	
For Elevated Installation >20' To 25', Add	8.08	
For Elevated Installation >25' To 30', Add	11.31	
For Elevated Installation >30' To 35', Add	12.93	
For Elevated Installation >35' To 40', Add	16.16	
For Elevated Installation >40', Add	17.78	
26 05 33 13-0629 EA 2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	57.45	14.62
For Work In Restricted Working Space, Add	10.96	
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.31	
For Elevated Installation >20' To 25', Add	9.14	
For Elevated Installation >25' To 30', Add	12.79	
For Elevated Installation >30' To 35', Add	14.62	
For Elevated Installation >35' To 40', Add	18.27	
For Elevated Installation >40', Add	20.10	
26 05 33 13-0630 EA 3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	72.25	16.30
For Work In Restricted Working Space, Add	12.23	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
26 05 33 13-0631 EA 3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	85.61	17.99
For Work In Restricted Working Space, Add	13.49	
For Elevated Installation >10' To 15', Add	4.50	
For Elevated Installation >15' To 20', Add	9.00	
For Elevated Installation >20' To 25', Add	11.25	
For Elevated Installation >25' To 30', Add	15.74	
For Elevated Installation >30' To 35', Add	17.99	
For Elevated Installation >35' To 40', Add	22.49	
For Elevated Installation >40', Add	24.74	
26 05 33 13-0632 EA 4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	160.10	46.88
For Work In Restricted Working Space, Add	35.16	
For Elevated Installation >10' To 15', Add	11.72	
For Elevated Installation >15' To 20', Add	23.44	
For Elevated Installation >20' To 25', Add	29.30	
For Elevated Installation >25' To 30', Add	41.02	
For Elevated Installation >30' To 35', Add	46.88	
For Elevated Installation >35' To 40', Add	58.61	
For Elevated Installation >40', Add	64.47	
26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0599)</small>		
26 05 33 13-0634 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.35	3.38
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.91	3.38
For Work In Restricted Working Space, Add	2.53	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.11	
For Elevated Installation >25' To 30', Add	2.95	
For Elevated Installation >30' To 35', Add	3.37	
For Elevated Installation >35' To 40', Add	4.22	
For Elevated Installation >40', Add	4.64	
26 05 33 13-0636 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	10.57	3.94
For Work In Restricted Working Space, Add	2.95	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.44	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.92	
For Elevated Installation >40', Add	5.41	
26 05 33 13-0637 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.25	5.06
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.53	
For Elevated Installation >20' To 25', Add	3.16	
For Elevated Installation >25' To 30', Add	4.43	
For Elevated Installation >30' To 35', Add	5.06	
For Elevated Installation >35' To 40', Add	6.33	
For Elevated Installation >40', Add	6.96	
26 05 33 13-0638 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	17.57	6.18
For Work In Restricted Working Space, Add	4.64	
For Elevated Installation >10' To 15', Add	1.55	
For Elevated Installation >15' To 20', Add	3.09	
For Elevated Installation >20' To 25', Add	3.87	
For Elevated Installation >25' To 30', Add	5.41	
For Elevated Installation >30' To 35', Add	6.18	
For Elevated Installation >35' To 40', Add	7.73	
For Elevated Installation >40', Add	8.50	
26 05 33 13-0639 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	23.90	8.44
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
26 05 33 13-0640 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	33.05	11.24
For Work In Restricted Working Space, Add	8.44	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.25	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.47	
26 05 33 13-0641 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	42.80	12.93
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0642 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	48.23	14.06
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0643 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	136.55	38.84
For Work In Restricted Working Space, Add	37.72	
For Elevated Installation >10' To 15', Add	12.57	
For Elevated Installation >15' To 20', Add	25.15	
For Elevated Installation >20' To 25', Add	31.44	
For Elevated Installation >25' To 30', Add	44.01	
For Elevated Installation >30' To 35', Add	50.30	
For Elevated Installation >35' To 40', Add	62.87	
For Elevated Installation >40', Add	69.16	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0599)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0645 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling	9.25	3.38
For Work In Restricted Working Space, Add	2.53	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.11	
For Elevated Installation >25' To 30', Add	2.95	
For Elevated Installation >30' To 35', Add	3.38	
For Elevated Installation >35' To 40', Add	4.22	
For Elevated Installation >40', Add	4.64	
26 05 33 13-0646 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling	10.73	3.94
For Work In Restricted Working Space, Add	2.95	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.44	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.92	
For Elevated Installation >40', Add	5.41	
26 05 33 13-0647 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling	15.30	5.62
For Work In Restricted Working Space, Add	4.22	
For Elevated Installation >10' To 15', Add	1.41	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.52	
For Elevated Installation >25' To 30', Add	4.92	
For Elevated Installation >30' To 35', Add	5.62	
For Elevated Installation >35' To 40', Add	7.03	
For Elevated Installation >40', Add	7.73	
26 05 33 13-0648 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	19.45	6.74
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
26 05 33 13-0649 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	23.32	7.88
For Work In Restricted Working Space, Add	5.90	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.94	
For Elevated Installation >20' To 25', Add	4.92	
For Elevated Installation >25' To 30', Add	6.89	
For Elevated Installation >30' To 35', Add	7.87	
For Elevated Installation >35' To 40', Add	9.84	
For Elevated Installation >40', Add	10.82	
26 05 33 13-0650 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling	31.03	10.12
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.06	
For Elevated Installation >20' To 25', Add	6.33	
For Elevated Installation >25' To 30', Add	8.86	
For Elevated Installation >30' To 35', Add	10.12	
For Elevated Installation >35' To 40', Add	12.65	
For Elevated Installation >40', Add	13.92	
26 05 33 13-0651 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	48.70	13.50
For Work In Restricted Working Space, Add	10.12	
For Elevated Installation >10' To 15', Add	3.37	
For Elevated Installation >15' To 20', Add	6.75	
For Elevated Installation >20' To 25', Add	8.43	
For Elevated Installation >25' To 30', Add	11.81	
For Elevated Installation >30' To 35', Add	13.49	
For Elevated Installation >35' To 40', Add	16.87	
For Elevated Installation >40', Add	18.55	
26 05 33 13-0652 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling	56.37	15.74
For Work In Restricted Working Space, Add	11.81	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.84	
For Elevated Installation >25' To 30', Add	13.78	
For Elevated Installation >30' To 35', Add	15.74	
For Elevated Installation >35' To 40', Add	19.68	
For Elevated Installation >40', Add	21.65	
26 05 33 13-0653 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	70.47	19.68
For Work In Restricted Working Space, Add	14.76	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	90.39 18.98 6.33 12.65 15.81 22.14 25.30 31.63 34.79	25.30
26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings <small>(26 05 33 13-0599)</small>					
26 05 33	13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42 2.53 0.84 1.69 2.11 2.95 3.38 4.22 4.64 2.53	3.38
26 05 33	13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.01 2.95 0.98 1.97 2.46 3.44 3.94 4.92 5.41 2.95	3.94
26 05 33	13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.72 4.22 1.41 2.81 3.52 4.92 5.62 7.03 7.73 4.22	5.62
26 05 33	13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39 5.06 1.69 3.37 4.22 5.90 6.74 8.43 9.27 5.06	6.74
26 05 33	13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.55 5.90 1.97 3.94 4.92 6.89 7.87 9.84 10.82 5.90	7.88
26 05 33	13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.80 7.17 2.39 4.78 5.98 8.37 9.56 11.95 13.15 7.17	9.56
26 05 33	13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.82 9.70 3.23 6.46 8.08 11.31 12.93 16.16 17.78 9.70	12.93

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0663 EA 3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	59.05	15.74
For Work In Restricted Working Space, Add	11.81	
For Elevated Installation >10' To 15', Add	3.94	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.84	
For Elevated Installation >25' To 30', Add	13.78	
For Elevated Installation >30' To 35', Add	15.74	
For Elevated Installation >35' To 40', Add	19.68	
For Elevated Installation >40', Add	21.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.81	
26 05 33 13-0664 EA 3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	77.69	19.68
For Work In Restricted Working Space, Add	14.76	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-0665 EA 4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	95.10	25.30
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0599)		
26 05 33 13-0667 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	9.53	3.80
For Work In Restricted Working Space, Add	2.83	
For Elevated Installation >10' To 15', Add	0.94	
For Elevated Installation >15' To 20', Add	1.88	
For Elevated Installation >20' To 25', Add	2.36	
For Elevated Installation >25' To 30', Add	3.30	
For Elevated Installation >30' To 35', Add	3.77	
For Elevated Installation >35' To 40', Add	4.71	
For Elevated Installation >40', Add	5.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.83	
26 05 33 13-0668 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	10.43	4.08
For Work In Restricted Working Space, Add	3.08	
For Elevated Installation >10' To 15', Add	1.03	
For Elevated Installation >15' To 20', Add	2.05	
For Elevated Installation >20' To 25', Add	2.57	
For Elevated Installation >25' To 30', Add	3.59	
For Elevated Installation >30' To 35', Add	4.10	
For Elevated Installation >35' To 40', Add	5.13	
For Elevated Installation >40', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33 13-0669 EA 1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	13.06	5.06
For Work In Restricted Working Space, Add	3.75	
For Elevated Installation >10' To 15', Add	1.25	
For Elevated Installation >15' To 20', Add	2.50	
For Elevated Installation >20' To 25', Add	3.13	
For Elevated Installation >25' To 30', Add	4.38	
For Elevated Installation >30' To 35', Add	5.00	
For Elevated Installation >35' To 40', Add	6.26	
For Elevated Installation >40', Add	6.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.75	
26 05 33 13-0670 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	16.69	6.46
For Work In Restricted Working Space, Add	4.81	
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.20	
For Elevated Installation >20' To 25', Add	4.01	
For Elevated Installation >25' To 30', Add	5.61	
For Elevated Installation >30' To 35', Add	6.41	
For Elevated Installation >35' To 40', Add	8.01	
For Elevated Installation >40', Add	8.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0671 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	19.76	7.44
For Work In Restricted Working Space, Add	5.61	
For Elevated Installation >10' To 15', Add	1.87	
For Elevated Installation >15' To 20', Add	3.74	
For Elevated Installation >20' To 25', Add	4.68	
For Elevated Installation >25' To 30', Add	6.55	
For Elevated Installation >30' To 35', Add	7.48	
For Elevated Installation >35' To 40', Add	9.35	
For Elevated Installation >40', Add	10.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0672 EA 2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	24.27	9.00
<i>For Work In Restricted Working Space, Add</i>	6.75	
<i>For Elevated Installation >10' To 15', Add</i>	2.25	
<i>For Elevated Installation >15' To 20', Add</i>	4.50	
<i>For Elevated Installation >20' To 25', Add</i>	5.62	
<i>For Elevated Installation >25' To 30', Add</i>	7.87	
<i>For Elevated Installation >30' To 35', Add</i>	9.00	
<i>For Elevated Installation >35' To 40', Add</i>	11.25	
<i>For Elevated Installation >40', Add</i>	12.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-0673 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	35.04	12.51
<i>For Work In Restricted Working Space, Add</i>	9.36	
<i>For Elevated Installation >10' To 15', Add</i>	3.12	
<i>For Elevated Installation >15' To 20', Add</i>	6.24	
<i>For Elevated Installation >20' To 25', Add</i>	7.80	
<i>For Elevated Installation >25' To 30', Add</i>	10.92	
<i>For Elevated Installation >30' To 35', Add</i>	12.48	
<i>For Elevated Installation >35' To 40', Add</i>	15.60	
<i>For Elevated Installation >40', Add</i>	17.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.36	
26 05 33 13-0674 EA 3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	46.49	16.58
<i>For Work In Restricted Working Space, Add</i>	12.48	
<i>For Elevated Installation >10' To 15', Add</i>	4.16	
<i>For Elevated Installation >15' To 20', Add</i>	8.32	
<i>For Elevated Installation >20' To 25', Add</i>	10.40	
<i>For Elevated Installation >25' To 30', Add</i>	14.56	
<i>For Elevated Installation >30' To 35', Add</i>	16.64	
<i>For Elevated Installation >35' To 40', Add</i>	20.80	
<i>For Elevated Installation >40', Add</i>	22.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.48	
26 05 33 13-0675 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	59.58	21.36
<i>For Work In Restricted Working Space, Add</i>	16.07	
<i>For Elevated Installation >10' To 15', Add</i>	5.36	
<i>For Elevated Installation >15' To 20', Add</i>	10.71	
<i>For Elevated Installation >20' To 25', Add</i>	13.39	
<i>For Elevated Installation >25' To 30', Add</i>	18.74	
<i>For Elevated Installation >30' To 35', Add</i>	21.42	
<i>For Elevated Installation >35' To 40', Add</i>	26.78	
<i>For Elevated Installation >40', Add</i>	29.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.07	
26 05 33 13-0676 EA 4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	76.99	28.11
<i>For Work In Restricted Working Space, Add</i>	21.08	
<i>For Elevated Installation >10' To 15', Add</i>	7.03	
<i>For Elevated Installation >15' To 20', Add</i>	14.05	
<i>For Elevated Installation >20' To 25', Add</i>	17.57	
<i>For Elevated Installation >25' To 30', Add</i>	24.59	
<i>For Elevated Installation >30' To 35', Add</i>	28.11	
<i>For Elevated Installation >35' To 40', Add</i>	35.14	
<i>For Elevated Installation >40', Add</i>	38.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.08	
26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw⁽²⁶⁾		
<small>05 33 13-0599</small>		
26 05 33 13-0678 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.28	2.82
<i>For Work In Restricted Working Space, Add</i>	2.11	
<i>For Elevated Installation >10' To 15', Add</i>	0.70	
<i>For Elevated Installation >15' To 20', Add</i>	1.40	
<i>For Elevated Installation >20' To 25', Add</i>	1.76	
<i>For Elevated Installation >25' To 30', Add</i>	2.46	
<i>For Elevated Installation >30' To 35', Add</i>	2.81	
<i>For Elevated Installation >35' To 40', Add</i>	3.51	
<i>For Elevated Installation >40', Add</i>	3.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33 13-0679 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	8.86	3.38
<i>For Work In Restricted Working Space, Add</i>	2.53	
<i>For Elevated Installation >10' To 15', Add</i>	0.84	
<i>For Elevated Installation >15' To 20', Add</i>	1.69	
<i>For Elevated Installation >20' To 25', Add</i>	2.11	
<i>For Elevated Installation >25' To 30', Add</i>	2.95	
<i>For Elevated Installation >30' To 35', Add</i>	3.38	
<i>For Elevated Installation >35' To 40', Add</i>	4.22	
<i>For Elevated Installation >40', Add</i>	4.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.53	
26 05 33 13-0680 EA 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	10.57	3.94
<i>For Work In Restricted Working Space, Add</i>	2.95	
<i>For Elevated Installation >10' To 15', Add</i>	0.98	
<i>For Elevated Installation >15' To 20', Add</i>	1.97	
<i>For Elevated Installation >20' To 25', Add</i>	2.46	
<i>For Elevated Installation >25' To 30', Add</i>	3.44	
<i>For Elevated Installation >30' To 35', Add</i>	3.94	
<i>For Elevated Installation >35' To 40', Add</i>	4.92	
<i>For Elevated Installation >40', Add</i>	5.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.95	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0681 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	15.41	5.62
For Work In Restricted Working Space, Add	4.22	
For Elevated Installation >10' To 15', Add	1.41	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.52	
For Elevated Installation >25' To 30', Add	4.92	
For Elevated Installation >30' To 35', Add	5.62	
For Elevated Installation >35' To 40', Add	7.03	
For Elevated Installation >40', Add	7.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 33 13-0682 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	18.82	6.74
For Work In Restricted Working Space, Add	5.06	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.06	
26 05 33 13-0683 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	23.98	8.44
For Work In Restricted Working Space, Add	6.32	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0684 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	36.20	11.24
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 05 33 13-0685 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	45.03	14.06
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0686 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	53.27	16.86
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0687 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	62.05	19.68
For Work In Restricted Working Space, Add	14.76	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw <small>(26 05 33 13-0599)</small>		
26 05 33 13-0689 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.85	3.80
For Work In Restricted Working Space, Add	2.83	
For Elevated Installation >10' To 15', Add	0.94	
For Elevated Installation >15' To 20', Add	1.88	
For Elevated Installation >20' To 25', Add	2.36	
For Elevated Installation >25' To 30', Add	3.30	
For Elevated Installation >30' To 35', Add	3.77	
For Elevated Installation >35' To 40', Add	4.71	
For Elevated Installation >40', Add	5.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0690 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.95	4.08
For Work In Restricted Working Space, Add	3.08	
For Elevated Installation >10' To 15', Add	1.03	
For Elevated Installation >15' To 20', Add	2.05	
For Elevated Installation >20' To 25', Add	2.57	
For Elevated Installation >25' To 30', Add	3.59	
For Elevated Installation >30' To 35', Add	4.10	
For Elevated Installation >35' To 40', Add	5.13	
For Elevated Installation >40', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33 13-0691 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	13.74	5.06
For Work In Restricted Working Space, Add	3.75	
For Elevated Installation >10' To 15', Add	1.25	
For Elevated Installation >15' To 20', Add	2.50	
For Elevated Installation >20' To 25', Add	3.13	
For Elevated Installation >25' To 30', Add	4.38	
For Elevated Installation >30' To 35', Add	5.00	
For Elevated Installation >35' To 40', Add	6.26	
For Elevated Installation >40', Add	6.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.75	
26 05 33 13-0692 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	18.07	6.46
For Work In Restricted Working Space, Add	4.81	
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.20	
For Elevated Installation >20' To 25', Add	4.01	
For Elevated Installation >25' To 30', Add	5.61	
For Elevated Installation >30' To 35', Add	6.41	
For Elevated Installation >35' To 40', Add	8.01	
For Elevated Installation >40', Add	8.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0693 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	21.42	7.44
For Work In Restricted Working Space, Add	5.61	
For Elevated Installation >10' To 15', Add	1.87	
For Elevated Installation >15' To 20', Add	3.74	
For Elevated Installation >20' To 25', Add	4.68	
For Elevated Installation >25' To 30', Add	6.55	
For Elevated Installation >30' To 35', Add	7.48	
For Elevated Installation >35' To 40', Add	9.35	
For Elevated Installation >40', Add	10.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.61	
26 05 33 13-0694 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	26.23	9.00
For Work In Restricted Working Space, Add	6.75	
For Elevated Installation >10' To 15', Add	2.25	
For Elevated Installation >15' To 20', Add	4.50	
For Elevated Installation >20' To 25', Add	5.62	
For Elevated Installation >25' To 30', Add	7.87	
For Elevated Installation >30' To 35', Add	9.00	
For Elevated Installation >35' To 40', Add	11.25	
For Elevated Installation >40', Add	12.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0695 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	43.45	12.51
For Work In Restricted Working Space, Add	9.36	
For Elevated Installation >10' To 15', Add	3.12	
For Elevated Installation >15' To 20', Add	6.24	
For Elevated Installation >20' To 25', Add	7.80	
For Elevated Installation >25' To 30', Add	10.92	
For Elevated Installation >30' To 35', Add	12.48	
For Elevated Installation >35' To 40', Add	15.60	
For Elevated Installation >40', Add	17.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.36	
26 05 33 13-0696 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	56.25	16.58
For Work In Restricted Working Space, Add	12.48	
For Elevated Installation >10' To 15', Add	4.16	
For Elevated Installation >15' To 20', Add	8.32	
For Elevated Installation >20' To 25', Add	10.40	
For Elevated Installation >25' To 30', Add	14.56	
For Elevated Installation >30' To 35', Add	16.64	
For Elevated Installation >35' To 40', Add	20.80	
For Elevated Installation >40', Add	22.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.48	
26 05 33 13-0697 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	71.86	21.36
For Work In Restricted Working Space, Add	16.07	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.71	
For Elevated Installation >20' To 25', Add	13.39	
For Elevated Installation >25' To 30', Add	18.74	
For Elevated Installation >30' To 35', Add	21.42	
For Elevated Installation >35' To 40', Add	26.78	
For Elevated Installation >40', Add	29.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.07	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI UOM			
26 05 33 13-0698	EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.42 21.08 7.03 14.05 17.57 24.59 28.11 35.14 38.65 21.08	28.11
26 05 33 13-0699	Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0599)</small>		
26 05 33 13-0700	EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86 2.53 0.84 1.69 2.11 2.95 3.38 4.22 4.64 2.53	3.38
26 05 33 13-0701	EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.48 2.95 0.98 1.97 2.46 3.44 3.94 4.92 5.41 2.95	3.94
26 05 33 13-0702	EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.96 4.22 1.41 2.81 3.52 4.92 5.62 7.03 7.73 4.22	5.62
26 05 33 13-0703	EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.56 5.06 1.69 3.37 4.22 5.90 6.74 8.43 9.27 5.06	6.74
26 05 33 13-0704	EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.08 5.90 1.97 3.94 4.92 6.89 7.87 9.84 10.82 5.90	7.88
26 05 33 13-0705	EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.78 7.59 2.53 5.06 6.33 8.86 10.12 12.65 13.92 7.59	10.12
26 05 33 13-0706	EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.20 10.12 3.37 6.75 8.43 11.81 13.49 16.87 18.55 10.12	13.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707 EA 3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	55.85	16.86
<i>For Work In Restricted Working Space, Add</i>	12.65	
<i>For Elevated Installation >10' To 15', Add</i>	4.22	
<i>For Elevated Installation >15' To 20', Add</i>	8.43	
<i>For Elevated Installation >20' To 25', Add</i>	10.54	
<i>For Elevated Installation >25' To 30', Add</i>	14.76	
<i>For Elevated Installation >30' To 35', Add</i>	16.86	
<i>For Elevated Installation >35' To 40', Add</i>	21.08	
<i>For Elevated Installation >40', Add</i>	23.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.65	
26 05 33 13-0708 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	70.29	19.68
<i>For Work In Restricted Working Space, Add</i>	14.76	
<i>For Elevated Installation >10' To 15', Add</i>	4.92	
<i>For Elevated Installation >15' To 20', Add</i>	9.84	
<i>For Elevated Installation >20' To 25', Add</i>	12.30	
<i>For Elevated Installation >25' To 30', Add</i>	17.22	
<i>For Elevated Installation >30' To 35', Add</i>	19.68	
<i>For Elevated Installation >35' To 40', Add</i>	24.60	
<i>For Elevated Installation >40', Add</i>	27.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.76	
26 05 33 13-0709 EA 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	79.11	22.49
<i>For Work In Restricted Working Space, Add</i>	16.87	
<i>For Elevated Installation >10' To 15', Add</i>	5.62	
<i>For Elevated Installation >15' To 20', Add</i>	11.24	
<i>For Elevated Installation >20' To 25', Add</i>	14.06	
<i>For Elevated Installation >25' To 30', Add</i>	19.68	
<i>For Elevated Installation >30' To 35', Add</i>	22.49	
<i>For Elevated Installation >35' To 40', Add</i>	28.11	
<i>For Elevated Installation >40', Add</i>	30.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.87	
26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors <small>(26 05 33 13-0599)</small>		
26 05 33 13-0711 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	10.14	3.80
<i>For Work In Restricted Working Space, Add</i>	2.83	
<i>For Elevated Installation >10' To 15', Add</i>	0.94	
<i>For Elevated Installation >15' To 20', Add</i>	1.88	
<i>For Elevated Installation >20' To 25', Add</i>	2.36	
<i>For Elevated Installation >25' To 30', Add</i>	3.30	
<i>For Elevated Installation >30' To 35', Add</i>	3.77	
<i>For Elevated Installation >35' To 40', Add</i>	4.71	
<i>For Elevated Installation >40', Add</i>	5.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-0712 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	11.25	4.08
<i>For Work In Restricted Working Space, Add</i>	3.08	
<i>For Elevated Installation >10' To 15', Add</i>	1.03	
<i>For Elevated Installation >15' To 20', Add</i>	2.05	
<i>For Elevated Installation >20' To 25', Add</i>	2.57	
<i>For Elevated Installation >25' To 30', Add</i>	3.59	
<i>For Elevated Installation >30' To 35', Add</i>	4.10	
<i>For Elevated Installation >35' To 40', Add</i>	5.13	
<i>For Elevated Installation >40', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-0713 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	13.99	5.06
<i>For Work In Restricted Working Space, Add</i>	3.75	
<i>For Elevated Installation >10' To 15', Add</i>	1.25	
<i>For Elevated Installation >15' To 20', Add</i>	2.50	
<i>For Elevated Installation >20' To 25', Add</i>	3.13	
<i>For Elevated Installation >25' To 30', Add</i>	4.38	
<i>For Elevated Installation >30' To 35', Add</i>	5.00	
<i>For Elevated Installation >35' To 40', Add</i>	6.26	
<i>For Elevated Installation >40', Add</i>	6.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.75	
26 05 33 13-0714 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	18.79	6.46
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Elevated Installation >10' To 15', Add</i>	1.60	
<i>For Elevated Installation >15' To 20', Add</i>	3.20	
<i>For Elevated Installation >20' To 25', Add</i>	4.01	
<i>For Elevated Installation >25' To 30', Add</i>	5.61	
<i>For Elevated Installation >30' To 35', Add</i>	6.41	
<i>For Elevated Installation >35' To 40', Add</i>	8.01	
<i>For Elevated Installation >40', Add</i>	8.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-0715 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	22.62	7.44
<i>For Work In Restricted Working Space, Add</i>	5.61	
<i>For Elevated Installation >10' To 15', Add</i>	1.87	
<i>For Elevated Installation >15' To 20', Add</i>	3.74	
<i>For Elevated Installation >20' To 25', Add</i>	4.68	
<i>For Elevated Installation >25' To 30', Add</i>	6.55	
<i>For Elevated Installation >30' To 35', Add</i>	7.48	
<i>For Elevated Installation >35' To 40', Add</i>	9.35	
<i>For Elevated Installation >40', Add</i>	10.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.61	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	27.96	9.00
For Work In Restricted Working Space, Add	6.75	
For Elevated Installation >10' To 15', Add	2.25	
For Elevated Installation >15' To 20', Add	4.50	
For Elevated Installation >20' To 25', Add	5.62	
For Elevated Installation >25' To 30', Add	7.87	
For Elevated Installation >30' To 35', Add	9.00	
For Elevated Installation >35' To 40', Add	11.25	
For Elevated Installation >40', Add	12.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0717 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	49.76	12.51
For Work In Restricted Working Space, Add	9.36	
For Elevated Installation >10' To 15', Add	3.12	
For Elevated Installation >15' To 20', Add	6.24	
For Elevated Installation >20' To 25', Add	7.80	
For Elevated Installation >25' To 30', Add	10.92	
For Elevated Installation >30' To 35', Add	12.48	
For Elevated Installation >35' To 40', Add	15.60	
For Elevated Installation >40', Add	17.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.36	
26 05 33 13-0718 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	66.85	16.58
For Work In Restricted Working Space, Add	12.48	
For Elevated Installation >10' To 15', Add	4.16	
For Elevated Installation >15' To 20', Add	8.32	
For Elevated Installation >20' To 25', Add	10.40	
For Elevated Installation >25' To 30', Add	14.56	
For Elevated Installation >30' To 35', Add	16.64	
For Elevated Installation >35' To 40', Add	20.80	
For Elevated Installation >40', Add	22.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.48	
26 05 33 13-0719 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	90.46	21.36
For Work In Restricted Working Space, Add	16.07	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.71	
For Elevated Installation >20' To 25', Add	13.39	
For Elevated Installation >25' To 30', Add	18.74	
For Elevated Installation >30' To 35', Add	21.42	
For Elevated Installation >35' To 40', Add	26.78	
For Elevated Installation >40', Add	29.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.07	
26 05 33 13-0720 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	113.44	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0599)		
Note: Excludes jumper.		
26 05 33 13-0722 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	76.05	18.70
For Work In Restricted Working Space, Add	14.03	
For Elevated Installation >10' To 15', Add	4.68	
For Elevated Installation >15' To 20', Add	9.35	
For Elevated Installation >20' To 25', Add	11.69	
For Elevated Installation >25' To 30', Add	16.37	
For Elevated Installation >30' To 35', Add	18.71	
For Elevated Installation >35' To 40', Add	23.39	
For Elevated Installation >40', Add	25.72	
26 05 33 13-0723 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	91.62	22.63
For Work In Restricted Working Space, Add	17.01	
For Elevated Installation >10' To 15', Add	5.67	
For Elevated Installation >15' To 20', Add	11.34	
For Elevated Installation >20' To 25', Add	14.18	
For Elevated Installation >25' To 30', Add	19.85	
For Elevated Installation >30' To 35', Add	22.68	
For Elevated Installation >35' To 40', Add	28.35	
For Elevated Installation >40', Add	31.19	
26 05 33 13-0724 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling	112.56	28.39
For Work In Restricted Working Space, Add	21.26	
For Elevated Installation >10' To 15', Add	7.09	
For Elevated Installation >15' To 20', Add	14.17	
For Elevated Installation >20' To 25', Add	17.72	
For Elevated Installation >25' To 30', Add	24.80	
For Elevated Installation >30' To 35', Add	28.35	
For Elevated Installation >35' To 40', Add	35.44	
For Elevated Installation >40', Add	38.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	145.60	34.86
<i>For Work In Restricted Working Space, Add</i>	26.16	
<i>For Elevated Installation >10' To 15', Add</i>	8.72	
<i>For Elevated Installation >15' To 20', Add</i>	17.44	
<i>For Elevated Installation >20' To 25', Add</i>	21.80	
<i>For Elevated Installation >25' To 30', Add</i>	30.52	
<i>For Elevated Installation >30' To 35', Add</i>	34.88	
<i>For Elevated Installation >35' To 40', Add</i>	43.60	
<i>For Elevated Installation >40', Add</i>	47.95	
26 05 33 13-0726 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	180.97	40.90
<i>For Work In Restricted Working Space, Add</i>	30.68	
<i>For Elevated Installation >10' To 15', Add</i>	10.23	
<i>For Elevated Installation >15' To 20', Add</i>	20.45	
<i>For Elevated Installation >20' To 25', Add</i>	25.56	
<i>For Elevated Installation >25' To 30', Add</i>	35.79	
<i>For Elevated Installation >30' To 35', Add</i>	40.90	
<i>For Elevated Installation >35' To 40', Add</i>	51.13	
<i>For Elevated Installation >40', Add</i>	56.24	
26 05 33 13-0727 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling	226.87	49.76
<i>For Work In Restricted Working Space, Add</i>	37.35	
<i>For Elevated Installation >10' To 15', Add</i>	12.45	
<i>For Elevated Installation >15' To 20', Add</i>	24.90	
<i>For Elevated Installation >20' To 25', Add</i>	31.13	
<i>For Elevated Installation >25' To 30', Add</i>	43.58	
<i>For Elevated Installation >30' To 35', Add</i>	49.80	
<i>For Elevated Installation >35' To 40', Add</i>	62.26	
<i>For Elevated Installation >40', Add</i>	68.48	
26 05 33 13-0728 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	433.92	63.95
<i>For Work In Restricted Working Space, Add</i>	47.98	
<i>For Elevated Installation >10' To 15', Add</i>	15.99	
<i>For Elevated Installation >15' To 20', Add</i>	31.98	
<i>For Elevated Installation >20' To 25', Add</i>	39.98	
<i>For Elevated Installation >25' To 30', Add</i>	55.97	
<i>For Elevated Installation >30' To 35', Add</i>	63.97	
<i>For Elevated Installation >35' To 40', Add</i>	79.96	
<i>For Elevated Installation >40', Add</i>	87.96	
26 05 33 13-0729 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling	530.81	74.77
<i>For Work In Restricted Working Space, Add</i>	56.10	
<i>For Elevated Installation >10' To 15', Add</i>	18.70	
<i>For Elevated Installation >15' To 20', Add</i>	37.40	
<i>For Elevated Installation >20' To 25', Add</i>	46.75	
<i>For Elevated Installation >25' To 30', Add</i>	65.45	
<i>For Elevated Installation >30' To 35', Add</i>	74.80	
<i>For Elevated Installation >35' To 40', Add</i>	93.50	
<i>For Elevated Installation >40', Add</i>	102.84	
26 05 33 13-0730 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	652.18	81.52
<i>For Work In Restricted Working Space, Add</i>	61.16	
<i>For Elevated Installation >10' To 15', Add</i>	20.39	
<i>For Elevated Installation >15' To 20', Add</i>	40.77	
<i>For Elevated Installation >20' To 25', Add</i>	50.97	
<i>For Elevated Installation >25' To 30', Add</i>	71.35	
<i>For Elevated Installation >30' To 35', Add</i>	81.54	
<i>For Elevated Installation >35' To 40', Add</i>	101.93	
<i>For Elevated Installation >40', Add</i>	112.12	
26 05 33 13-0731 EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling	705.85	89.95
<i>For Work In Restricted Working Space, Add</i>	67.49	
<i>For Elevated Installation >10' To 15', Add</i>	22.50	
<i>For Elevated Installation >15' To 20', Add</i>	44.99	
<i>For Elevated Installation >20' To 25', Add</i>	56.24	
<i>For Elevated Installation >25' To 30', Add</i>	78.73	
<i>For Elevated Installation >30' To 35', Add</i>	89.98	
<i>For Elevated Installation >35' To 40', Add</i>	112.48	
<i>For Elevated Installation >40', Add</i>	123.72	
26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters		
<small>(26 05 33 13-0599)</small>		
26 05 33 13-0733 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.25	5.06
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For Elevated Installation >10' To 15', Add</i>	1.25	
<i>For Elevated Installation >15' To 20', Add</i>	2.50	
<i>For Elevated Installation >20' To 25', Add</i>	3.12	
<i>For Elevated Installation >25' To 30', Add</i>	4.37	
<i>For Elevated Installation >30' To 35', Add</i>	4.99	
<i>For Elevated Installation >35' To 40', Add</i>	6.24	
<i>For Elevated Installation >40', Add</i>	6.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.74	
26 05 33 13-0734 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	15.20	5.06
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For Elevated Installation >10' To 15', Add</i>	1.25	
<i>For Elevated Installation >15' To 20', Add</i>	2.50	
<i>For Elevated Installation >20' To 25', Add</i>	3.12	
<i>For Elevated Installation >25' To 30', Add</i>	4.37	
<i>For Elevated Installation >30' To 35', Add</i>	4.99	
<i>For Elevated Installation >35' To 40', Add</i>	6.24	
<i>For Elevated Installation >40', Add</i>	6.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.74	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0735 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	17.00	5.48
For Work In Restricted Working Space, Add	4.16	
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.77	
For Elevated Installation >20' To 25', Add	3.47	
For Elevated Installation >25' To 30', Add	4.85	
For Elevated Installation >30' To 35', Add	5.55	
For Elevated Installation >35' To 40', Add	6.94	
For Elevated Installation >40', Add	7.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.16	
26 05 33 13-0736 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	19.79	6.32
For Work In Restricted Working Space, Add	4.73	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	5.52	
For Elevated Installation >30' To 35', Add	6.31	
For Elevated Installation >35' To 40', Add	7.89	
For Elevated Installation >40', Add	8.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-0737 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	28.18	7.59
For Work In Restricted Working Space, Add	5.73	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.82	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.68	
For Elevated Installation >30' To 35', Add	7.64	
For Elevated Installation >35' To 40', Add	9.55	
For Elevated Installation >40', Add	10.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.73	
26 05 33 13-0738 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	34.45	8.72
For Work In Restricted Working Space, Add	6.54	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.63	
For Elevated Installation >30' To 35', Add	8.72	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0739 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	44.90	10.96
For Work In Restricted Working Space, Add	8.18	
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.82	
For Elevated Installation >25' To 30', Add	9.54	
For Elevated Installation >30' To 35', Add	10.90	
For Elevated Installation >35' To 40', Add	13.63	
For Elevated Installation >40', Add	14.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows <small>(26 05 33 13-0599)</small>		
26 05 33 13-0741 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	29.89	12.65
For Work In Restricted Working Space, Add	7.59	
For Elevated Installation >15' To 20', Add	5.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.59	
26 05 33 13-0742 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	34.84	14.76
For Work In Restricted Working Space, Add	8.86	
For Elevated Installation >15' To 20', Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86	
26 05 33 13-0743 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	43.24	16.86
For Work In Restricted Working Space, Add	10.12	
For Elevated Installation >15' To 20', Add	6.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.12	
26 05 33 13-0744 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	55.24	21.08
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >15' To 20', Add	8.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0745 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0059)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0745)</small>		
Note: Includes field bending conduit up to 1".		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0747 LF 1/2" Intermediate Metal Conduit (IMC) Conduit	9.86	2.82
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.19	
For >1,000, Deduct	-0.26	
For Installation In Metal Stud Wall, Add	0.73	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.83	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.10	
For Work In Restricted Working Space, Add	2.19	
For Elevated Installation >10' To 15', Add	0.73	
For Elevated Installation >15' To 20', Add	1.46	
For Elevated Installation >20' To 25', Add	1.83	
For Elevated Installation >25' To 30', Add	2.56	
For Elevated Installation >30' To 35', Add	2.92	
For Elevated Installation >35' To 40', Add	3.65	
For Elevated Installation >40', Add	4.02	
26 05 33 13-0748 LF 3/4" Intermediate Metal Conduit (IMC) Conduit	11.78	3.10
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.23	
For >1,000, Deduct	-0.31	
For Installation In Metal Stud Wall, Add	0.87	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.18	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.31	
For Work In Restricted Working Space, Add	2.62	
For Elevated Installation >10' To 15', Add	0.87	
For Elevated Installation >15' To 20', Add	1.74	
For Elevated Installation >20' To 25', Add	2.18	
For Elevated Installation >25' To 30', Add	3.05	
For Elevated Installation >30' To 35', Add	3.49	
For Elevated Installation >35' To 40', Add	4.36	
For Elevated Installation >40', Add	4.80	
26 05 33 13-0749 LF 1" Intermediate Metal Conduit (IMC) Conduit	15.68	3.38
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.47	
For Installation In Metal Stud Wall, Add	1.10	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.74	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.64	
For Work In Restricted Working Space, Add	3.29	
For Elevated Installation >10' To 15', Add	1.10	
For Elevated Installation >15' To 20', Add	2.19	
For Elevated Installation >20' To 25', Add	2.74	
For Elevated Installation >25' To 30', Add	3.84	
For Elevated Installation >30' To 35', Add	4.38	
For Elevated Installation >35' To 40', Add	5.48	
For Elevated Installation >40', Add	6.03	
26 05 33 13-0750 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit	18.06	6.74
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.45	
For >1,000, Deduct	-0.60	
For Installation In Metal Stud Wall, Add	1.21	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.02	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.81	
For Work In Restricted Working Space, Add	3.62	
For Elevated Installation >10' To 15', Add	1.21	
For Elevated Installation >15' To 20', Add	2.42	
For Elevated Installation >20' To 25', Add	3.02	
For Elevated Installation >25' To 30', Add	4.23	
For Elevated Installation >30' To 35', Add	4.83	
For Elevated Installation >35' To 40', Add	6.04	
For Elevated Installation >40', Add	6.64	
26 05 33 13-0751 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit	20.28	4.50
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.53	
For >1,000, Deduct	-0.71	
For Installation In Metal Stud Wall, Add	1.32	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.98	
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.64	
For Elevated Installation >20' To 25', Add	3.31	
For Elevated Installation >25' To 30', Add	4.63	
For Elevated Installation >30' To 35', Add	5.29	
For Elevated Installation >35' To 40', Add	6.61	
For Elevated Installation >40', Add	7.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752 LF 2" Intermediate Metal Conduit (IMC) Conduit	25.60	5.06
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.96	
For Installation In Metal Stud Wall, Add	1.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.01	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.40	
For Work In Restricted Working Space, Add	4.81	
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.20	
For Elevated Installation >20' To 25', Add	4.01	
For Elevated Installation >25' To 30', Add	5.61	
For Elevated Installation >30' To 35', Add	6.41	
For Elevated Installation >35' To 40', Add	8.01	
For Elevated Installation >40', Add	8.81	
26 05 33 13-0753 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit	42.45	6.74
For >250 To 500, Deduct	-1.06	
For >500 To 1,000, Deduct	-1.59	
For >1,000, Deduct	-2.12	
For Installation In Metal Stud Wall, Add	2.12	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.18	
For Work In Restricted Working Space, Add	6.37	
For Elevated Installation >10' To 15', Add	2.12	
For Elevated Installation >15' To 20', Add	4.24	
For Elevated Installation >20' To 25', Add	5.31	
For Elevated Installation >25' To 30', Add	7.43	
For Elevated Installation >30' To 35', Add	8.49	
For Elevated Installation >35' To 40', Add	10.61	
For Elevated Installation >40', Add	11.67	
26 05 33 13-0754 LF 3" Intermediate Metal Conduit (IMC) Conduit	54.24	8.44
For >250 To 500, Deduct	-1.31	
For >500 To 1,000, Deduct	-1.96	
For >1,000, Deduct	-2.61	
For Installation In Metal Stud Wall, Add	2.81	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.03	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.22	
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.46	
26 05 33 13-0755 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	62.44	10.12
For >250 To 500, Deduct	-1.51	
For >500 To 1,000, Deduct	-2.27	
For >1,000, Deduct	-3.03	
For Installation In Metal Stud Wall, Add	3.22	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.05	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.83	
For Work In Restricted Working Space, Add	9.65	
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.44	
For Elevated Installation >20' To 25', Add	8.05	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.70	
26 05 33 13-0756 LF 4" Intermediate Metal Conduit (IMC) Conduit	73.15	11.80
For >250 To 500, Deduct	-1.78	
For >500 To 1,000, Deduct	-2.67	
For >1,000, Deduct	-3.56	
For Installation In Metal Stud Wall, Add	3.75	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.38	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.63	
For Work In Restricted Working Space, Add	11.26	
For Elevated Installation >10' To 15', Add	3.75	
For Elevated Installation >15' To 20', Add	7.51	
For Elevated Installation >20' To 25', Add	9.38	
For Elevated Installation >25' To 30', Add	13.14	
For Elevated Installation >30' To 35', Add	15.01	
For Elevated Installation >35' To 40', Add	18.77	
For Elevated Installation >40', Add	20.64	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0745)
See CSI section 26 05 33 13-2319 for conduit field bending.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758 EA 1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	46.68	13.92
For Work In Restricted Working Space, Add	10.47	
For Elevated Installation >10' To 15', Add	3.49	
For Elevated Installation >15' To 20', Add	6.98	
For Elevated Installation >20' To 25', Add	8.73	
For Elevated Installation >25' To 30', Add	12.22	
For Elevated Installation >30' To 35', Add	13.96	
For Elevated Installation >35' To 40', Add	17.45	
For Elevated Installation >40', Add	19.20	
26 05 33 13-0759 EA 3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	56.61	17.28
For Work In Restricted Working Space, Add	13.02	
For Elevated Installation >10' To 15', Add	4.34	
For Elevated Installation >15' To 20', Add	8.68	
For Elevated Installation >20' To 25', Add	10.85	
For Elevated Installation >25' To 30', Add	15.19	
For Elevated Installation >30' To 35', Add	17.36	
For Elevated Installation >35' To 40', Add	21.70	
For Elevated Installation >40', Add	23.86	
26 05 33 13-0760 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	71.70	21.22
For Work In Restricted Working Space, Add	15.87	
For Elevated Installation >10' To 15', Add	5.29	
For Elevated Installation >15' To 20', Add	10.58	
For Elevated Installation >20' To 25', Add	13.23	
For Elevated Installation >25' To 30', Add	18.52	
For Elevated Installation >30' To 35', Add	21.16	
For Elevated Installation >35' To 40', Add	26.46	
For Elevated Installation >40', Add	29.10	
26 05 33 13-0761 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	87.79	24.60
For Work In Restricted Working Space, Add	18.43	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.29	
For Elevated Installation >20' To 25', Add	15.36	
For Elevated Installation >25' To 30', Add	21.50	
For Elevated Installation >30' To 35', Add	24.58	
For Elevated Installation >35' To 40', Add	30.72	
For Elevated Installation >40', Add	33.79	
26 05 33 13-0762 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	103.85	28.25
For Work In Restricted Working Space, Add	21.16	
For Elevated Installation >10' To 15', Add	7.05	
For Elevated Installation >15' To 20', Add	14.10	
For Elevated Installation >20' To 25', Add	17.63	
For Elevated Installation >25' To 30', Add	24.68	
For Elevated Installation >30' To 35', Add	28.21	
For Elevated Installation >35' To 40', Add	35.26	
For Elevated Installation >40', Add	38.79	
26 05 33 13-0763 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	125.54	31.06
For Work In Restricted Working Space, Add	23.27	
For Elevated Installation >10' To 15', Add	7.76	
For Elevated Installation >15' To 20', Add	15.51	
For Elevated Installation >20' To 25', Add	19.39	
For Elevated Installation >25' To 30', Add	27.15	
For Elevated Installation >30' To 35', Add	31.03	
For Elevated Installation >35' To 40', Add	38.79	
For Elevated Installation >40', Add	42.66	
26 05 33 13-0764 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	178.43	38.79
For Work In Restricted Working Space, Add	29.09	
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.39	
For Elevated Installation >20' To 25', Add	24.24	
For Elevated Installation >25' To 30', Add	33.94	
For Elevated Installation >30' To 35', Add	38.79	
For Elevated Installation >35' To 40', Add	48.49	
For Elevated Installation >40', Add	53.33	
26 05 33 13-0765 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	256.80	52.85
For Work In Restricted Working Space, Add	39.63	
For Elevated Installation >10' To 15', Add	13.21	
For Elevated Installation >15' To 20', Add	26.42	
For Elevated Installation >20' To 25', Add	33.03	
For Elevated Installation >25' To 30', Add	46.24	
For Elevated Installation >30' To 35', Add	52.84	
For Elevated Installation >35' To 40', Add	66.05	
For Elevated Installation >40', Add	72.66	
26 05 33 13-0766 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	369.15	59.59
For Work In Restricted Working Space, Add	44.70	
For Elevated Installation >10' To 15', Add	14.90	
For Elevated Installation >15' To 20', Add	29.80	
For Elevated Installation >20' To 25', Add	37.25	
For Elevated Installation >25' To 30', Add	52.15	
For Elevated Installation >30' To 35', Add	59.60	
For Elevated Installation >35' To 40', Add	74.50	
For Elevated Installation >40', Add	81.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	449.29	77.59
<i>For Work In Restricted Working Space, Add</i>	58.18	
<i>For Elevated Installation >10' To 15', Add</i>	19.39	
<i>For Elevated Installation >15' To 20', Add</i>	38.78	
<i>For Elevated Installation >20' To 25', Add</i>	48.48	
<i>For Elevated Installation >25' To 30', Add</i>	67.87	
<i>For Elevated Installation >30' To 35', Add</i>	77.57	
<i>For Elevated Installation >35' To 40', Add</i>	96.96	
<i>For Elevated Installation >40', Add</i>	106.66	
26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0745)		
26 05 33 13-0769 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	19.09	7.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-0770 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	22.48	0.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0771 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	29.02	10.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-0772 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	35.42	12.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.70	
26 05 33 13-0773 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	39.56	14.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-0774 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	50.85	17.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.07	
26 05 33 13-0775 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	92.99	28.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.08	
26 05 33 13-0776 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	115.77	38.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.67	
26 05 33 13-0777 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	150.35	45.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.16	
26 05 33 13-0778 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	177.26	52.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.63	
26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0745)		
Note: 3-Piece coupling.		
26 05 33 13-0780 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	62.61	22.49
<i>For Work In Restricted Working Space, Add</i>	16.89	
<i>For Elevated Installation >10' To 15', Add</i>	5.63	
<i>For Elevated Installation >15' To 20', Add</i>	11.26	
<i>For Elevated Installation >20' To 25', Add</i>	14.07	
<i>For Elevated Installation >25' To 30', Add</i>	19.70	
<i>For Elevated Installation >30' To 35', Add</i>	22.52	
<i>For Elevated Installation >35' To 40', Add</i>	28.15	
<i>For Elevated Installation >40', Add</i>	30.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.89	
26 05 33 13-0781 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	70.96	25.16
<i>For Work In Restricted Working Space, Add</i>	18.85	
<i>For Elevated Installation >10' To 15', Add</i>	6.28	
<i>For Elevated Installation >15' To 20', Add</i>	12.56	
<i>For Elevated Installation >20' To 25', Add</i>	15.71	
<i>For Elevated Installation >25' To 30', Add</i>	21.99	
<i>For Elevated Installation >30' To 35', Add</i>	25.13	
<i>For Elevated Installation >35' To 40', Add</i>	31.41	
<i>For Elevated Installation >40', Add</i>	34.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.85	
26 05 33 13-0782 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	85.67	27.97
<i>For Work In Restricted Working Space, Add</i>	20.99	
<i>For Elevated Installation >10' To 15', Add</i>	7.00	
<i>For Elevated Installation >15' To 20', Add</i>	14.00	
<i>For Elevated Installation >20' To 25', Add</i>	17.50	
<i>For Elevated Installation >25' To 30', Add</i>	24.49	
<i>For Elevated Installation >30' To 35', Add</i>	27.99	
<i>For Elevated Installation >35' To 40', Add</i>	34.99	
<i>For Elevated Installation >40', Add</i>	38.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.99	
26 05 33 13-0783 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	105.44	30.64
<i>For Work In Restricted Working Space, Add</i>	22.97	
<i>For Elevated Installation >10' To 15', Add</i>	7.66	
<i>For Elevated Installation >15' To 20', Add</i>	15.31	
<i>For Elevated Installation >20' To 25', Add</i>	19.14	
<i>For Elevated Installation >25' To 30', Add</i>	26.80	
<i>For Elevated Installation >30' To 35', Add</i>	30.63	
<i>For Elevated Installation >35' To 40', Add</i>	38.29	
<i>For Elevated Installation >40', Add</i>	42.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	120.01	33.45
<i>For Work In Restricted Working Space, Add</i>	25.13	
<i>For Elevated Installation >10' To 15', Add</i>	8.38	
<i>For Elevated Installation >15' To 20', Add</i>	16.76	
<i>For Elevated Installation >20' To 25', Add</i>	20.95	
<i>For Elevated Installation >25' To 30', Add</i>	29.32	
<i>For Elevated Installation >30' To 35', Add</i>	33.51	
<i>For Elevated Installation >35' To 40', Add</i>	41.89	
<i>For Elevated Installation >40', Add</i>	46.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.13	
26 05 33 13-0785 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	163.20	36.26
<i>For Work In Restricted Working Space, Add</i>	27.22	
<i>For Elevated Installation >10' To 15', Add</i>	9.07	
<i>For Elevated Installation >15' To 20', Add</i>	18.15	
<i>For Elevated Installation >20' To 25', Add</i>	22.68	
<i>For Elevated Installation >25' To 30', Add</i>	31.76	
<i>For Elevated Installation >30' To 35', Add</i>	36.29	
<i>For Elevated Installation >35' To 40', Add</i>	45.37	
<i>For Elevated Installation >40', Add</i>	49.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.22	
26 05 33 13-0786 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	267.46	44.98
<i>For Work In Restricted Working Space, Add</i>	33.74	
<i>For Elevated Installation >10' To 15', Add</i>	11.25	
<i>For Elevated Installation >15' To 20', Add</i>	22.49	
<i>For Elevated Installation >20' To 25', Add</i>	28.11	
<i>For Elevated Installation >25' To 30', Add</i>	39.36	
<i>For Elevated Installation >30' To 35', Add</i>	44.98	
<i>For Elevated Installation >35' To 40', Add</i>	56.23	
<i>For Elevated Installation >40', Add</i>	61.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.74	
26 05 33 13-0787 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	376.94	56.22
<i>For Work In Restricted Working Space, Add</i>	42.17	
<i>For Elevated Installation >10' To 15', Add</i>	14.06	
<i>For Elevated Installation >15' To 20', Add</i>	28.11	
<i>For Elevated Installation >20' To 25', Add</i>	35.14	
<i>For Elevated Installation >25' To 30', Add</i>	49.19	
<i>For Elevated Installation >30' To 35', Add</i>	56.22	
<i>For Elevated Installation >35' To 40', Add</i>	70.28	
<i>For Elevated Installation >40', Add</i>	77.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.17	
26 05 33 13-0788 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	548.49	67.47
<i>For Work In Restricted Working Space, Add</i>	50.62	
<i>For Elevated Installation >10' To 15', Add</i>	16.87	
<i>For Elevated Installation >15' To 20', Add</i>	33.74	
<i>For Elevated Installation >20' To 25', Add</i>	42.18	
<i>For Elevated Installation >25' To 30', Add</i>	59.05	
<i>For Elevated Installation >30' To 35', Add</i>	67.49	
<i>For Elevated Installation >35' To 40', Add</i>	84.36	
<i>For Elevated Installation >40', Add</i>	92.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.62	
26 05 33 13-0789 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	632.22	73.09
<i>For Work In Restricted Working Space, Add</i>	54.81	
<i>For Elevated Installation >10' To 15', Add</i>	18.27	
<i>For Elevated Installation >15' To 20', Add</i>	36.54	
<i>For Elevated Installation >20' To 25', Add</i>	45.68	
<i>For Elevated Installation >25' To 30', Add</i>	63.95	
<i>For Elevated Installation >30' To 35', Add</i>	73.08	
<i>For Elevated Installation >35' To 40', Add</i>	91.35	
<i>For Elevated Installation >40', Add</i>	100.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.81	
26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0745)</small>		
26 05 33 13-0791 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	34.99	11.24
<i>For Work In Restricted Working Space, Add</i>	8.43	
<i>For Elevated Installation >10' To 15', Add</i>	2.81	
<i>For Elevated Installation >15' To 20', Add</i>	5.62	
<i>For Elevated Installation >20' To 25', Add</i>	7.03	
<i>For Elevated Installation >25' To 30', Add</i>	9.84	
<i>For Elevated Installation >30' To 35', Add</i>	11.24	
<i>For Elevated Installation >35' To 40', Add</i>	14.06	
<i>For Elevated Installation >40', Add</i>	15.46	
26 05 33 13-0792 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	39.06	12.36
<i>For Work In Restricted Working Space, Add</i>	9.28	
<i>For Elevated Installation >10' To 15', Add</i>	3.09	
<i>For Elevated Installation >15' To 20', Add</i>	6.18	
<i>For Elevated Installation >20' To 25', Add</i>	7.73	
<i>For Elevated Installation >25' To 30', Add</i>	10.82	
<i>For Elevated Installation >30' To 35', Add</i>	12.37	
<i>For Elevated Installation >35' To 40', Add</i>	15.46	
<i>For Elevated Installation >40', Add</i>	17.01	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	44.83	14.06
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0794 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	50.74	15.18
For Work In Restricted Working Space, Add	11.39	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.59	
For Elevated Installation >20' To 25', Add	9.49	
For Elevated Installation >25' To 30', Add	13.28	
For Elevated Installation >30' To 35', Add	15.18	
For Elevated Installation >35' To 40', Add	18.98	
For Elevated Installation >40', Add	20.87	
26 05 33 13-0795 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	59.99	16.86
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
26 05 33 13-0796 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	72.73	18.56
For Work In Restricted Working Space, Add	13.91	
For Elevated Installation >10' To 15', Add	4.64	
For Elevated Installation >15' To 20', Add	9.28	
For Elevated Installation >20' To 25', Add	11.60	
For Elevated Installation >25' To 30', Add	16.23	
For Elevated Installation >30' To 35', Add	18.55	
For Elevated Installation >35' To 40', Add	23.19	
For Elevated Installation >40', Add	25.51	
26 05 33 13-0797 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	98.46	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
26 05 33 13-0798 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	121.81	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0799 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	146.33	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0800 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	164.99	36.54
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0745)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802 EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	30.99	11.24
For Work In Restricted Working Space, Add	8.44	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.25	
For Elevated Installation >35' To 40', Add	14.06	
For Elevated Installation >40', Add	15.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.44	
26 05 33 13-0803 EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	39.44	14.06
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0804 EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	48.52	16.86
For Work In Restricted Working Space, Add	12.65	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0805 EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	58.19	19.68
For Work In Restricted Working Space, Add	14.76	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-0806 EA 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	67.80	22.49
For Work In Restricted Working Space, Add	16.86	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.05	
For Elevated Installation >25' To 30', Add	19.67	
For Elevated Installation >30' To 35', Add	22.48	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.86	
26 05 33 13-0807 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	79.98	25.30
For Work In Restricted Working Space, Add	18.97	
For Elevated Installation >10' To 15', Add	6.32	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.13	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.62	
For Elevated Installation >40', Add	34.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.97	
26 05 33 13-0808 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	98.33	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0809 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	115.08	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	140.34	36.54
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.41	
26 05 33 13-0811 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	160.19	39.36
For Work In Restricted Working Space, Add	29.51	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.43	
For Elevated Installation >30' To 35', Add	39.35	
For Elevated Installation >35' To 40', Add	49.19	
For Elevated Installation >40', Add	54.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.51	
26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0745)		
26 05 33 13-0813 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	180.24	22.49
For Work In Restricted Working Space, Add	16.87	
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.25	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.12	
For Elevated Installation >40', Add	30.93	
26 05 33 13-0814 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	199.66	25.30
For Work In Restricted Working Space, Add	18.98	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
26 05 33 13-0815 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	221.88	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.06	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.60	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
26 05 33 13-0816 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	266.41	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0817 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	324.20	33.73
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
26 05 33 13-0818 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	422.14	36.54
For Work In Restricted Working Space, Add	27.41	
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.97	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.24	
26 05 33 13-0819 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	632.04	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting	760.97	56.22
For Work In Restricted Working Space, Add	42.17	
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
26 05 33 13-0821 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,055.01	67.47
For Work In Restricted Working Space, Add	50.60	
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.74	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.04	
For Elevated Installation >30' To 35', Add	67.47	
For Elevated Installation >35' To 40', Add	84.34	
For Elevated Installation >40', Add	92.77	
26 05 33 13-0822 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,217.53	73.09
For Work In Restricted Working Space, Add	54.81	
For Elevated Installation >10' To 15', Add	18.27	
For Elevated Installation >15' To 20', Add	36.54	
For Elevated Installation >20' To 25', Add	45.68	
For Elevated Installation >25' To 30', Add	63.95	
For Elevated Installation >30' To 35', Add	73.08	
For Elevated Installation >35' To 40', Add	91.35	
For Elevated Installation >40', Add	100.49	
26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0745)</small>		
26 05 33 13-0824 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	117.99	35.14
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0825 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	140.37	42.16
For Work In Restricted Working Space, Add	25.30	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-0826 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	170.41	49.19
For Work In Restricted Working Space, Add	29.52	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.52	
26 05 33 13-0827 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	199.91	56.22
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-0828 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	258.17	63.25
For Work In Restricted Working Space, Add	37.95	
For Elevated Installation >10' To 15', Add	12.65	
For Elevated Installation >15' To 20', Add	25.30	
For Elevated Installation >20' To 25', Add	31.62	
For Elevated Installation >25' To 30', Add	44.27	
For Elevated Installation >30' To 35', Add	50.60	
For Elevated Installation >35' To 40', Add	63.25	
For Elevated Installation >40', Add	69.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.95	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	311.16	70.27
			<i>For Work In Restricted Working Space, Add</i>	42.17	
			<i>For Elevated Installation >10' To 15', Add</i>	14.06	
			<i>For Elevated Installation >15' To 20', Add</i>	28.11	
			<i>For Elevated Installation >20' To 25', Add</i>	35.14	
			<i>For Elevated Installation >25' To 30', Add</i>	49.19	
			<i>For Elevated Installation >30' To 35', Add</i>	56.22	
			<i>For Elevated Installation >35' To 40', Add</i>	70.28	
			<i>For Elevated Installation >40', Add</i>	77.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.17	
26 05 33	13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	433.73	84.33
			<i>For Work In Restricted Working Space, Add</i>	50.60	
			<i>For Elevated Installation >10' To 15', Add</i>	16.87	
			<i>For Elevated Installation >15' To 20', Add</i>	33.73	
			<i>For Elevated Installation >20' To 25', Add</i>	42.17	
			<i>For Elevated Installation >25' To 30', Add</i>	59.03	
			<i>For Elevated Installation >30' To 35', Add</i>	67.46	
			<i>For Elevated Installation >35' To 40', Add</i>	84.33	
			<i>For Elevated Installation >40', Add</i>	92.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.60	
26 05 33	13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	520.57	98.39
			<i>For Work In Restricted Working Space, Add</i>	59.03	
			<i>For Elevated Installation >10' To 15', Add</i>	19.68	
			<i>For Elevated Installation >15' To 20', Add</i>	39.35	
			<i>For Elevated Installation >20' To 25', Add</i>	49.19	
			<i>For Elevated Installation >25' To 30', Add</i>	68.87	
			<i>For Elevated Installation >30' To 35', Add</i>	78.71	
			<i>For Elevated Installation >35' To 40', Add</i>	98.39	
			<i>For Elevated Installation >40', Add</i>	108.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.03	
26 05 33	13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,158.74	112.45
			<i>For Work In Restricted Working Space, Add</i>	67.46	
			<i>For Elevated Installation >10' To 15', Add</i>	22.49	
			<i>For Elevated Installation >15' To 20', Add</i>	44.98	
			<i>For Elevated Installation >20' To 25', Add</i>	56.22	
			<i>For Elevated Installation >25' To 30', Add</i>	78.71	
			<i>For Elevated Installation >30' To 35', Add</i>	89.95	
			<i>For Elevated Installation >35' To 40', Add</i>	112.44	
			<i>For Elevated Installation >40', Add</i>	123.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.46	
26 05 33	13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,333.80	126.49
			<i>For Work In Restricted Working Space, Add</i>	75.90	
			<i>For Elevated Installation >10' To 15', Add</i>	25.30	
			<i>For Elevated Installation >15' To 20', Add</i>	50.60	
			<i>For Elevated Installation >20' To 25', Add</i>	63.25	
			<i>For Elevated Installation >25' To 30', Add</i>	88.55	
			<i>For Elevated Installation >30' To 35', Add</i>	101.20	
			<i>For Elevated Installation >35' To 40', Add</i>	126.50	
			<i>For Elevated Installation >40', Add</i>	139.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.90	
26 05 33	13-0834		Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0745)</small>		
26 05 33	13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	18.49	6.74
			<i>For Work In Restricted Working Space, Add</i>	5.06	
			<i>For Elevated Installation >10' To 15', Add</i>	1.69	
			<i>For Elevated Installation >15' To 20', Add</i>	3.37	
			<i>For Elevated Installation >20' To 25', Add</i>	4.22	
			<i>For Elevated Installation >25' To 30', Add</i>	5.90	
			<i>For Elevated Installation >30' To 35', Add</i>	6.74	
			<i>For Elevated Installation >35' To 40', Add</i>	8.43	
			<i>For Elevated Installation >40', Add</i>	9.27	
26 05 33	13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	25.89	9.56
			<i>For Work In Restricted Working Space, Add</i>	7.17	
			<i>For Elevated Installation >10' To 15', Add</i>	2.39	
			<i>For Elevated Installation >15' To 20', Add</i>	4.78	
			<i>For Elevated Installation >20' To 25', Add</i>	5.98	
			<i>For Elevated Installation >25' To 30', Add</i>	8.37	
			<i>For Elevated Installation >30' To 35', Add</i>	9.56	
			<i>For Elevated Installation >35' To 40', Add</i>	11.96	
			<i>For Elevated Installation >40', Add</i>	13.15	
26 05 33	13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	33.85	12.36
			<i>For Work In Restricted Working Space, Add</i>	9.27	
			<i>For Elevated Installation >10' To 15', Add</i>	3.09	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Elevated Installation >20' To 25', Add</i>	7.73	
			<i>For Elevated Installation >25' To 30', Add</i>	10.82	
			<i>For Elevated Installation >30' To 35', Add</i>	12.36	
			<i>For Elevated Installation >35' To 40', Add</i>	15.45	
			<i>For Elevated Installation >40', Add</i>	17.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0838 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	38.82	14.06
For Work In Restricted Working Space, Add	10.54	
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
26 05 33 13-0839 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	46.79	16.86
For Work In Restricted Working Space, Add	12.64	
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.75	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.07	
For Elevated Installation >40', Add	23.18	
26 05 33 13-0840 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling	53.93	19.12
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.91	
For Elevated Installation >40', Add	26.30	
26 05 33 13-0841 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	66.96	21.36
For Work In Restricted Working Space, Add	16.02	
For Elevated Installation >10' To 15', Add	5.34	
For Elevated Installation >15' To 20', Add	10.68	
For Elevated Installation >20' To 25', Add	13.35	
For Elevated Installation >25' To 30', Add	18.69	
For Elevated Installation >30' To 35', Add	21.36	
For Elevated Installation >35' To 40', Add	26.70	
For Elevated Installation >40', Add	29.37	
26 05 33 13-0842 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling	78.96	24.18
For Work In Restricted Working Space, Add	18.13	
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
26 05 33 13-0843 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	90.84	26.42
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.22	
For Elevated Installation >20' To 25', Add	16.52	
For Elevated Installation >25' To 30', Add	23.13	
For Elevated Installation >30' To 35', Add	26.43	
For Elevated Installation >35' To 40', Add	33.04	
For Elevated Installation >40', Add	36.34	
26 05 33 13-0844 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling	95.21	28.11
For Work In Restricted Working Space, Add	21.08	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.56	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.10	
For Elevated Installation >35' To 40', Add	35.13	
For Elevated Installation >40', Add	38.64	
26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0745)</small>		
26 05 33 13-0846 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	8.84	2.82
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	
26 05 33 13-0847 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	9.89	2.82
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0848		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0059)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.			
26 05 33 13-0849		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0848)</small> Note: Includes field bending for conduit up to 1".			
26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	15.49		3.94
		For >250 To 500, Deduct	-0.53		
		For >500 To 1,000, Deduct	-0.92		
		For >1,000, Deduct	-1.30		
		For Elevated Installation >10' To 15', Add	0.98		
		For Elevated Installation >15' To 20', Add	1.97		
		For Elevated Installation >20' To 25', Add	2.46		
		For Elevated Installation >25' To 30', Add	3.44		
		For Elevated Installation >30' To 35', Add	3.94		
		For Elevated Installation >35' To 40', Add	4.92		
		For Elevated Installation >40', Add	5.41		
		For Work In Restricted Working Space, Add	2.95		
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	17.79		4.50
		For >250 To 500, Deduct	-0.61		
		For >500 To 1,000, Deduct	-1.05		
		For >1,000, Deduct	-1.50		
		For Elevated Installation >10' To 15', Add	1.12		
		For Elevated Installation >15' To 20', Add	2.25		
		For Elevated Installation >20' To 25', Add	2.81		
		For Elevated Installation >25' To 30', Add	3.93		
		For Elevated Installation >30' To 35', Add	4.50		
		For Elevated Installation >35' To 40', Add	5.62		
		For Elevated Installation >40', Add	6.18		
		For Work In Restricted Working Space, Add	3.37		
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	22.54		5.62
		For >250 To 500, Deduct	-0.78		
		For >500 To 1,000, Deduct	-1.34		
		For >1,000, Deduct	-1.90		
		For Elevated Installation >10' To 15', Add	1.41		
		For Elevated Installation >15' To 20', Add	2.81		
		For Elevated Installation >20' To 25', Add	3.52		
		For Elevated Installation >25' To 30', Add	4.92		
		For Elevated Installation >30' To 35', Add	5.62		
		For Elevated Installation >35' To 40', Add	7.03		
		For Elevated Installation >40', Add	7.73		
		For Work In Restricted Working Space, Add	4.22		
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	27.61		6.74
		For >250 To 500, Deduct	-0.96		
		For >500 To 1,000, Deduct	-1.65		
		For >1,000, Deduct	-2.34		
		For Elevated Installation >10' To 15', Add	1.69		
		For Elevated Installation >15' To 20', Add	3.37		
		For Elevated Installation >20' To 25', Add	4.22		
		For Elevated Installation >25' To 30', Add	5.90		
		For Elevated Installation >30' To 35', Add	6.74		
		For Elevated Installation >35' To 40', Add	8.43		
		For Elevated Installation >40', Add	9.27		
		For Work In Restricted Working Space, Add	5.06		
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	34.15		8.44
		For >250 To 500, Deduct	-1.18		
		For >500 To 1,000, Deduct	-2.03		
		For >1,000, Deduct	-2.89		
		For Elevated Installation >10' To 15', Add	2.11		
		For Elevated Installation >15' To 20', Add	4.22		
		For Elevated Installation >20' To 25', Add	5.27		
		For Elevated Installation >25' To 30', Add	7.38		
		For Elevated Installation >30' To 35', Add	8.43		
		For Elevated Installation >35' To 40', Add	10.54		
		For Elevated Installation >40', Add	11.59		
		For Work In Restricted Working Space, Add	6.32		
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	42.34		10.12
		For >250 To 500, Deduct	-1.48		
		For >500 To 1,000, Deduct	-2.54		
		For >1,000, Deduct	-3.60		
		For Elevated Installation >10' To 15', Add	2.53		
		For Elevated Installation >15' To 20', Add	5.06		
		For Elevated Installation >20' To 25', Add	6.33		
		For Elevated Installation >25' To 30', Add	8.86		
		For Elevated Installation >30' To 35', Add	10.12		
		For Elevated Installation >35' To 40', Add	12.65		
		For Elevated Installation >40', Add	13.92		
		For Work In Restricted Working Space, Add	7.59		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	55.35	11.80
For >250 To 500, Deduct	-2.03	
For >500 To 1,000, Deduct	-3.41	
For >1,000, Deduct	-4.80	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.90	
For Elevated Installation >20' To 25', Add	7.38	
For Elevated Installation >25' To 30', Add	10.33	
For Elevated Installation >30' To 35', Add	11.81	
For Elevated Installation >35' To 40', Add	14.76	
For Elevated Installation >40', Add	16.24	
For Work In Restricted Working Space, Add	8.86	
26 05 33 13-0857 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	69.11	14.62
For >250 To 500, Deduct	-2.54	
For >500 To 1,000, Deduct	-4.27	
For >1,000, Deduct	-6.00	
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.31	
For Elevated Installation >20' To 25', Add	9.14	
For Elevated Installation >25' To 30', Add	12.79	
For Elevated Installation >30' To 35', Add	14.62	
For Elevated Installation >35' To 40', Add	18.27	
For Elevated Installation >40', Add	20.10	
For Work In Restricted Working Space, Add	10.96	
26 05 33 13-0858 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	84.83	17.99
For >250 To 500, Deduct	-3.12	
For >500 To 1,000, Deduct	-5.24	
For >1,000, Deduct	-7.36	
For Elevated Installation >10' To 15', Add	4.50	
For Elevated Installation >15' To 20', Add	9.00	
For Elevated Installation >20' To 25', Add	11.25	
For Elevated Installation >25' To 30', Add	15.74	
For Elevated Installation >30' To 35', Add	17.99	
For Elevated Installation >35' To 40', Add	22.49	
For Elevated Installation >40', Add	24.74	
For Work In Restricted Working Space, Add	13.49	
26 05 33 13-0859 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	100.38	21.36
For >250 To 500, Deduct	-3.68	
For >500 To 1,000, Deduct	-6.19	
For >1,000, Deduct	-8.70	
For Elevated Installation >10' To 15', Add	5.34	
For Elevated Installation >15' To 20', Add	10.68	
For Elevated Installation >20' To 25', Add	13.35	
For Elevated Installation >25' To 30', Add	18.69	
For Elevated Installation >30' To 35', Add	21.36	
For Elevated Installation >35' To 40', Add	26.71	
For Elevated Installation >40', Add	29.38	
For Work In Restricted Working Space, Add	16.02	
26 05 33 13-0860 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	146.49	25.30
For >250 To 500, Deduct	-5.74	
For >500 To 1,000, Deduct	-9.41	
For >1,000, Deduct	-13.07	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.65	
For Elevated Installation >20' To 25', Add	15.81	
For Elevated Installation >25' To 30', Add	22.14	
For Elevated Installation >30' To 35', Add	25.30	
For Elevated Installation >35' To 40', Add	31.63	
For Elevated Installation >40', Add	34.79	
For Work In Restricted Working Space, Add	18.98	
26 05 33 13-0861 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	198.41	33.73
For >250 To 500, Deduct	-7.81	
For >500 To 1,000, Deduct	-12.77	
For >1,000, Deduct	-17.73	
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0848)</small>		
26 05 33 13-0863 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	22.83	8.44
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.90	
For Elevated Installation >30' To 35', Add	6.74	
For Elevated Installation >35' To 40', Add	8.43	
For Elevated Installation >40', Add	9.27	
For Work In Restricted Working Space, Add	5.06	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	30.16	11.94
			<i>For Elevated Installation >10' To 15', Add</i>	2.39	
			<i>For Elevated Installation >15' To 20', Add</i>	4.78	
			<i>For Elevated Installation >20' To 25', Add</i>	5.98	
			<i>For Elevated Installation >25' To 30', Add</i>	8.37	
			<i>For Elevated Installation >30' To 35', Add</i>	9.56	
			<i>For Elevated Installation >35' To 40', Add</i>	11.95	
			<i>For Elevated Installation >40', Add</i>	13.15	
			<i>For Work In Restricted Working Space, Add</i>	7.17	
26 05 33	13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	39.04	15.46
			<i>For Elevated Installation >10' To 15', Add</i>	3.09	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Elevated Installation >20' To 25', Add</i>	7.73	
			<i>For Elevated Installation >25' To 30', Add</i>	10.82	
			<i>For Elevated Installation >30' To 35', Add</i>	12.37	
			<i>For Elevated Installation >35' To 40', Add</i>	15.46	
			<i>For Elevated Installation >40', Add</i>	17.01	
			<i>For Work In Restricted Working Space, Add</i>	9.28	
26 05 33	13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	44.61	17.57
			<i>For Elevated Installation >10' To 15', Add</i>	3.51	
			<i>For Elevated Installation >15' To 20', Add</i>	7.03	
			<i>For Elevated Installation >20' To 25', Add</i>	8.79	
			<i>For Elevated Installation >25' To 30', Add</i>	12.30	
			<i>For Elevated Installation >30' To 35', Add</i>	14.06	
			<i>For Elevated Installation >35' To 40', Add</i>	17.57	
			<i>For Elevated Installation >40', Add</i>	19.33	
			<i>For Work In Restricted Working Space, Add</i>	10.54	
26 05 33	13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	53.42	21.08
			<i>For Elevated Installation >10' To 15', Add</i>	4.22	
			<i>For Elevated Installation >15' To 20', Add</i>	8.43	
			<i>For Elevated Installation >20' To 25', Add</i>	10.54	
			<i>For Elevated Installation >25' To 30', Add</i>	14.76	
			<i>For Elevated Installation >30' To 35', Add</i>	16.86	
			<i>For Elevated Installation >35' To 40', Add</i>	21.08	
			<i>For Elevated Installation >40', Add</i>	23.19	
			<i>For Work In Restricted Working Space, Add</i>	12.65	
26 05 33	13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	64.27	23.90
			<i>For Elevated Installation >10' To 15', Add</i>	4.78	
			<i>For Elevated Installation >15' To 20', Add</i>	9.56	
			<i>For Elevated Installation >20' To 25', Add</i>	11.95	
			<i>For Elevated Installation >25' To 30', Add</i>	16.73	
			<i>For Elevated Installation >30' To 35', Add</i>	19.12	
			<i>For Elevated Installation >35' To 40', Add</i>	23.90	
			<i>For Elevated Installation >40', Add</i>	26.28	
			<i>For Work In Restricted Working Space, Add</i>	14.34	
26 05 33	13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	94.20	23.90
			<i>For Elevated Installation >10' To 15', Add</i>	5.34	
			<i>For Elevated Installation >15' To 20', Add</i>	10.68	
			<i>For Elevated Installation >20' To 25', Add</i>	13.35	
			<i>For Elevated Installation >25' To 30', Add</i>	18.69	
			<i>For Elevated Installation >30' To 35', Add</i>	21.36	
			<i>For Elevated Installation >35' To 40', Add</i>	26.71	
			<i>For Elevated Installation >40', Add</i>	29.38	
			<i>For Work In Restricted Working Space, Add</i>	16.02	
26 05 33	13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	109.98	33.03
			<i>For Elevated Installation >10' To 15', Add</i>	6.04	
			<i>For Elevated Installation >15' To 20', Add</i>	12.09	
			<i>For Elevated Installation >20' To 25', Add</i>	15.11	
			<i>For Elevated Installation >25' To 30', Add</i>	21.15	
			<i>For Elevated Installation >30' To 35', Add</i>	24.18	
			<i>For Elevated Installation >35' To 40', Add</i>	30.22	
			<i>For Elevated Installation >40', Add</i>	33.24	
			<i>For Work In Restricted Working Space, Add</i>	18.13	
26 05 33	13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	129.61	33.03
			<i>For Elevated Installation >10' To 15', Add</i>	6.61	
			<i>For Elevated Installation >15' To 20', Add</i>	13.21	
			<i>For Elevated Installation >20' To 25', Add</i>	16.52	
			<i>For Elevated Installation >25' To 30', Add</i>	23.12	
			<i>For Elevated Installation >30' To 35', Add</i>	26.42	
			<i>For Elevated Installation >35' To 40', Add</i>	33.03	
			<i>For Elevated Installation >40', Add</i>	36.33	
			<i>For Work In Restricted Working Space, Add</i>	19.82	
26 05 33	13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	144.57	35.14
			<i>For Elevated Installation >10' To 15', Add</i>	7.03	
			<i>For Elevated Installation >15' To 20', Add</i>	14.05	
			<i>For Elevated Installation >20' To 25', Add</i>	17.57	
			<i>For Elevated Installation >25' To 30', Add</i>	24.59	
			<i>For Elevated Installation >30' To 35', Add</i>	28.11	
			<i>For Elevated Installation >35' To 40', Add</i>	35.14	
			<i>For Elevated Installation >40', Add</i>	38.65	
			<i>For Work In Restricted Working Space, Add</i>	21.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	326.45	42.16
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
26 05 33 13-0874 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	368.85	49.19
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
For Work In Restricted Working Space, Add	29.52	
26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows (26 05 33 13-0848) Note: 90, 45, or 30 degree.		
26 05 33 13-0876 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	66.61	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
26 05 33 13-0877 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	78.36	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.66	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	
26 05 33 13-0878 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	94.34	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-0879 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	111.01	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-0880 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	128.98	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-0881 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	153.00	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-0882 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	225.00	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	329.83	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-0884 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	401.10	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-0885 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	471.41	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-0886 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	939.49	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-0887 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,466.90	308.79
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
For Work In Restricted Working Space, Add	185.27	
26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-0889 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	143.66	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-0890 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	162.50	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-0891 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	185.36	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-0892 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	218.05	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	298.62 12.61 25.21 31.52 44.12 50.43 63.04 69.34 37.82		63.04
26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <small>(26 05 33 13-0848)</small>				
26 05 33 13-0895	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	157.00 6.94 13.89 17.36 24.30 27.77 34.72 38.19 20.83		34.72
26 05 33 13-0896	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	184.53 8.04 16.08 20.10 28.14 32.16 40.20 44.21 24.12		40.20
26 05 33 13-0897	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	201.16 9.14 18.27 22.84 31.98 36.54 45.68 50.25 27.41		45.68
26 05 33 13-0898	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	252.50 10.05 20.10 25.12 35.17 40.20 50.25 55.27 30.15		50.25
26 05 33 13-0899	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	331.85 12.61 25.21 31.52 44.12 50.43 63.04 69.34 37.82		63.04
26 05 33 13-0900	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	428.37 17.18 34.35 42.94 60.11 68.70 85.88 94.46 51.53		85.87
26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <small>(26 05 33 13-0848)</small>				
26 05 33 13-0902	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	172.95 6.94 13.89 17.36 24.30 27.77 34.72 38.19 20.83		34.72

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0903 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	196.01	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-0904 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	221.43	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-0905 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	263.93	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-0906 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	370.03	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-0907 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	473.19	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-0908 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	588.83	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-0909 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	675.93	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-0911 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	200.49	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-0912 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	222.95	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0913 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	252.02	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-0914 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	307.98	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-0915 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	438.36	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-0916 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	549.14	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-0917 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	635.20	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-0918 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	761.06	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows		
<small>(26 05 33 13-0848)</small>		
26 05 33 13-0920 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	221.93	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-0921 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	248.04	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-0922 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	282.13	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0923 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	346.33	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-0924 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	475.64	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-0925 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	609.88	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-0926 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	747.94	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-0927 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	839.20	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-0928 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,395.70	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows (26 05 33 13-0848)		
26 05 33 13-0930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	249.96	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	278.34	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	315.14	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	388.86	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-0934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	537.77	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-0935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	687.28	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-0936 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	804.44	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-0937 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	940.09	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-0938 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,466.40	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-0939 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	2,025.56	308.79
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
For Work In Restricted Working Space, Add	185.27	
26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-0941 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	288.98	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-0942 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	305.36	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.22	
For Work In Restricted Working Space, Add	24.12	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0943 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	359.31	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-0944 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	448.06	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-0945 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	621.54	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-0946 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	791.62	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-0947 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	961.50	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-0948 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,136.34	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-0949 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,697.02	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-0950 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,131.42	308.79
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
For Work In Restricted Working Space, Add	185.27	
26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0948)</small>		
26 05 33 13-0952 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	298.38	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	351.06	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.22	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-0954 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	397.51	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-0955 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	465.87	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-0956 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	642.47	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-0957 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	823.71	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-0958 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,047.04	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-0959 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,180.85	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-0960 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,758.98	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-0961 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	2,185.21	308.79
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
For Work In Restricted Working Space, Add	185.27	
26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings <small>(26 05 33 13-0846)</small>		

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	116.04	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-0964 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	143.28	30.15
For Elevated Installation >10' To 15', Add	6.03	
For Elevated Installation >15' To 20', Add	12.06	
For Elevated Installation >20' To 25', Add	15.08	
For Elevated Installation >25' To 30', Add	21.11	
For Elevated Installation >30' To 35', Add	24.12	
For Elevated Installation >35' To 40', Add	30.15	
For Elevated Installation >40', Add	33.17	
For Work In Restricted Working Space, Add	18.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.09	
26 05 33 13-0965 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	187.93	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.83	
26 05 33 13-0966 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	299.19	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.12	
26 05 33 13-0967 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	331.09	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.41	
26 05 33 13-0968 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	414.13	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-0969 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,086.83	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	
26 05 33 13-0970 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,303.17	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.12	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.47	
For Work In Restricted Working Space, Add	51.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0971 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,738.24	126.07
For Elevated Installation >10' To 15', Add	25.21	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.07	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.64	
26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings <small>(26 05 33 13-0848)</small>		
26 05 33 13-0973 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	111.77	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-0974 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	138.44	30.15
For Elevated Installation >10' To 15', Add	6.03	
For Elevated Installation >15' To 20', Add	12.06	
For Elevated Installation >20' To 25', Add	15.08	
For Elevated Installation >25' To 30', Add	21.11	
For Elevated Installation >30' To 35', Add	24.12	
For Elevated Installation >35' To 40', Add	30.15	
For Elevated Installation >40', Add	33.17	
For Work In Restricted Working Space, Add	18.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.09	
26 05 33 13-0975 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	187.93	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.83	
26 05 33 13-0976 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	296.70	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.12	
26 05 33 13-0977 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	321.06	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.41	
26 05 33 13-0978 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	414.25	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-0979 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,044.03	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0980 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,271.95	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.12	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.47	
For Work In Restricted Working Space, Add	51.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.53	
26 05 33 13-0981 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,738.17	126.07
For Elevated Installation >10' To 15', Add	25.21	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.07	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.64	
26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings ^(26 05 33 13-0948)		
26 05 33 13-0983 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	102.30	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-0984 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	124.07	30.15
For Elevated Installation >10' To 15', Add	6.03	
For Elevated Installation >15' To 20', Add	12.06	
For Elevated Installation >20' To 25', Add	15.08	
For Elevated Installation >25' To 30', Add	21.11	
For Elevated Installation >30' To 35', Add	24.12	
For Elevated Installation >35' To 40', Add	30.15	
For Elevated Installation >40', Add	33.17	
For Work In Restricted Working Space, Add	18.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.09	
26 05 33 13-0985 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	145.91	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.83	
26 05 33 13-0986 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	202.15	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.12	
26 05 33 13-0987 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	235.42	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.41	
26 05 33 13-0988 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	352.37	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	924.86	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	
26 05 33 13-0990 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,049.35	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.12	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.47	
For Work In Restricted Working Space, Add	51.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.53	
26 05 33 13-0991 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,349.24	126.07
For Elevated Installation >10' To 15', Add	25.21	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.07	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.64	
26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings (26 05 33 13-0948)		
26 05 33 13-0993 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	165.65	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-0994 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	247.28	30.15
For Elevated Installation >10' To 15', Add	6.03	
For Elevated Installation >15' To 20', Add	12.06	
For Elevated Installation >20' To 25', Add	15.08	
For Elevated Installation >25' To 30', Add	21.11	
For Elevated Installation >30' To 35', Add	24.12	
For Elevated Installation >35' To 40', Add	30.15	
For Elevated Installation >40', Add	33.17	
For Work In Restricted Working Space, Add	18.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.09	
26 05 33 13-0995 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	309.08	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.83	
26 05 33 13-0996 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	356.85	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.12	

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	405.29	45.68
		<i>For Elevated Installation >10' To 15', Add</i>	9.14	
		<i>For Elevated Installation >15' To 20', Add</i>	18.27	
		<i>For Elevated Installation >20' To 25', Add</i>	22.84	
		<i>For Elevated Installation >25' To 30', Add</i>	31.98	
		<i>For Elevated Installation >30' To 35', Add</i>	36.54	
		<i>For Elevated Installation >35' To 40', Add</i>	45.68	
		<i>For Elevated Installation >40', Add</i>	50.25	
		<i>For Work In Restricted Working Space, Add</i>	27.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.41	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	527.85	50.25
		<i>For Elevated Installation >10' To 15', Add</i>	10.05	
		<i>For Elevated Installation >15' To 20', Add</i>	20.10	
		<i>For Elevated Installation >20' To 25', Add</i>	25.12	
		<i>For Elevated Installation >25' To 30', Add</i>	35.17	
		<i>For Elevated Installation >30' To 35', Add</i>	40.20	
		<i>For Elevated Installation >35' To 40', Add</i>	50.25	
		<i>For Elevated Installation >40', Add</i>	55.27	
		<i>For Work In Restricted Working Space, Add</i>	30.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,607.74	63.04
		<i>For Elevated Installation >10' To 15', Add</i>	12.61	
		<i>For Elevated Installation >15' To 20', Add</i>	25.21	
		<i>For Elevated Installation >20' To 25', Add</i>	31.52	
		<i>For Elevated Installation >25' To 30', Add</i>	44.12	
		<i>For Elevated Installation >30' To 35', Add</i>	50.42	
		<i>For Elevated Installation >35' To 40', Add</i>	63.03	
		<i>For Elevated Installation >40', Add</i>	69.33	
		<i>For Work In Restricted Working Space, Add</i>	37.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.82	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,884.13	85.87
		<i>For Elevated Installation >10' To 15', Add</i>	17.18	
		<i>For Elevated Installation >15' To 20', Add</i>	34.35	
		<i>For Elevated Installation >20' To 25', Add</i>	42.94	
		<i>For Elevated Installation >25' To 30', Add</i>	60.12	
		<i>For Elevated Installation >30' To 35', Add</i>	68.70	
		<i>For Elevated Installation >35' To 40', Add</i>	85.88	
		<i>For Elevated Installation >40', Add</i>	94.47	
		<i>For Work In Restricted Working Space, Add</i>	51.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.53	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	2,328.05	126.07
		<i>For Elevated Installation >10' To 15', Add</i>	25.21	
		<i>For Elevated Installation >15' To 20', Add</i>	50.43	
		<i>For Elevated Installation >20' To 25', Add</i>	63.04	
		<i>For Elevated Installation >25' To 30', Add</i>	88.25	
		<i>For Elevated Installation >30' To 35', Add</i>	100.86	
		<i>For Elevated Installation >35' To 40', Add</i>	126.07	
		<i>For Elevated Installation >40', Add</i>	138.68	
		<i>For Work In Restricted Working Space, Add</i>	75.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64	
26 05 33 13-1002		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0848)</small>		
26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	182.47	22.84
		<i>For Elevated Installation >10' To 15', Add</i>	4.57	
		<i>For Elevated Installation >15' To 20', Add</i>	9.14	
		<i>For Elevated Installation >20' To 25', Add</i>	11.42	
		<i>For Elevated Installation >25' To 30', Add</i>	15.99	
		<i>For Elevated Installation >30' To 35', Add</i>	18.27	
		<i>For Elevated Installation >35' To 40', Add</i>	22.84	
		<i>For Elevated Installation >40', Add</i>	25.12	
		<i>For Work In Restricted Working Space, Add</i>	13.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	263.15	30.15
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.06	
		<i>For Elevated Installation >20' To 25', Add</i>	15.08	
		<i>For Elevated Installation >25' To 30', Add</i>	21.11	
		<i>For Elevated Installation >30' To 35', Add</i>	24.12	
		<i>For Elevated Installation >35' To 40', Add</i>	30.15	
		<i>For Elevated Installation >40', Add</i>	33.17	
		<i>For Work In Restricted Working Space, Add</i>	18.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	312.10	34.72
				<i>For Elevated Installation >10' To 15', Add</i>	6.94	
				<i>For Elevated Installation >15' To 20', Add</i>	13.89	
				<i>For Elevated Installation >20' To 25', Add</i>	17.36	
				<i>For Elevated Installation >25' To 30', Add</i>	24.30	
				<i>For Elevated Installation >30' To 35', Add</i>	27.77	
				<i>For Elevated Installation >35' To 40', Add</i>	34.72	
				<i>For Elevated Installation >40', Add</i>	38.19	
				<i>For Work In Restricted Working Space, Add</i>	20.83	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.83	
26 05 33 13-1006	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	361.82	40.20
				<i>For Elevated Installation >10' To 15', Add</i>	8.04	
				<i>For Elevated Installation >15' To 20', Add</i>	16.08	
				<i>For Elevated Installation >20' To 25', Add</i>	20.10	
				<i>For Elevated Installation >25' To 30', Add</i>	28.14	
				<i>For Elevated Installation >30' To 35', Add</i>	32.16	
				<i>For Elevated Installation >35' To 40', Add</i>	40.20	
				<i>For Elevated Installation >40', Add</i>	44.21	
				<i>For Work In Restricted Working Space, Add</i>	24.12	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33 13-1007	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	418.94	45.68
				<i>For Elevated Installation >10' To 15', Add</i>	9.14	
				<i>For Elevated Installation >15' To 20', Add</i>	18.27	
				<i>For Elevated Installation >20' To 25', Add</i>	22.84	
				<i>For Elevated Installation >25' To 30', Add</i>	31.98	
				<i>For Elevated Installation >30' To 35', Add</i>	36.54	
				<i>For Elevated Installation >35' To 40', Add</i>	45.68	
				<i>For Elevated Installation >40', Add</i>	50.25	
				<i>For Work In Restricted Working Space, Add</i>	27.41	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.41	
26 05 33 13-1008	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	647.84	50.25
				<i>For Elevated Installation >10' To 15', Add</i>	10.05	
				<i>For Elevated Installation >15' To 20', Add</i>	20.10	
				<i>For Elevated Installation >20' To 25', Add</i>	25.12	
				<i>For Elevated Installation >25' To 30', Add</i>	35.17	
				<i>For Elevated Installation >30' To 35', Add</i>	40.20	
				<i>For Elevated Installation >35' To 40', Add</i>	50.25	
				<i>For Elevated Installation >40', Add</i>	55.27	
				<i>For Work In Restricted Working Space, Add</i>	30.15	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
26 05 33 13-1009	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,788.80	63.04
				<i>For Elevated Installation >10' To 15', Add</i>	12.61	
				<i>For Elevated Installation >15' To 20', Add</i>	25.21	
				<i>For Elevated Installation >20' To 25', Add</i>	31.52	
				<i>For Elevated Installation >25' To 30', Add</i>	44.12	
				<i>For Elevated Installation >30' To 35', Add</i>	50.42	
				<i>For Elevated Installation >35' To 40', Add</i>	63.03	
				<i>For Elevated Installation >40', Add</i>	69.33	
				<i>For Work In Restricted Working Space, Add</i>	37.82	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.82	
26 05 33 13-1010	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,516.25	85.87
				<i>For Elevated Installation >10' To 15', Add</i>	17.18	
				<i>For Elevated Installation >15' To 20', Add</i>	34.35	
				<i>For Elevated Installation >20' To 25', Add</i>	42.94	
				<i>For Elevated Installation >25' To 30', Add</i>	60.12	
				<i>For Elevated Installation >30' To 35', Add</i>	68.70	
				<i>For Elevated Installation >35' To 40', Add</i>	85.88	
				<i>For Elevated Installation >40', Add</i>	94.47	
				<i>For Work In Restricted Working Space, Add</i>	51.53	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.53	
26 05 33 13-1011	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,648.05	126.07
				<i>For Elevated Installation >10' To 15', Add</i>	25.21	
				<i>For Elevated Installation >15' To 20', Add</i>	50.43	
				<i>For Elevated Installation >20' To 25', Add</i>	63.04	
				<i>For Elevated Installation >25' To 30', Add</i>	88.25	
				<i>For Elevated Installation >30' To 35', Add</i>	100.86	
				<i>For Elevated Installation >35' To 40', Add</i>	126.07	
				<i>For Elevated Installation >40', Add</i>	138.68	
				<i>For Work In Restricted Working Space, Add</i>	75.64	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings (26 05 33 13-0848)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	147.12	22.84
			<i>For Elevated Installation >10' To 15', Add</i>	4.57	
			<i>For Elevated Installation >15' To 20', Add</i>	9.14	
			<i>For Elevated Installation >20' To 25', Add</i>	11.42	
			<i>For Elevated Installation >25' To 30', Add</i>	15.99	
			<i>For Elevated Installation >30' To 35', Add</i>	18.27	
			<i>For Elevated Installation >35' To 40', Add</i>	22.84	
			<i>For Elevated Installation >40', Add</i>	25.12	
			<i>For Work In Restricted Working Space, Add</i>	13.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70	
26 05 33	13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	186.39	30.15
			<i>For Elevated Installation >10' To 15', Add</i>	6.03	
			<i>For Elevated Installation >15' To 20', Add</i>	12.06	
			<i>For Elevated Installation >20' To 25', Add</i>	15.08	
			<i>For Elevated Installation >25' To 30', Add</i>	21.11	
			<i>For Elevated Installation >30' To 35', Add</i>	24.12	
			<i>For Elevated Installation >35' To 40', Add</i>	30.15	
			<i>For Elevated Installation >40', Add</i>	33.17	
			<i>For Work In Restricted Working Space, Add</i>	18.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.09	
26 05 33	13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	222.51	34.72
			<i>For Elevated Installation >10' To 15', Add</i>	6.94	
			<i>For Elevated Installation >15' To 20', Add</i>	13.89	
			<i>For Elevated Installation >20' To 25', Add</i>	17.36	
			<i>For Elevated Installation >25' To 30', Add</i>	24.30	
			<i>For Elevated Installation >30' To 35', Add</i>	27.77	
			<i>For Elevated Installation >35' To 40', Add</i>	34.72	
			<i>For Elevated Installation >40', Add</i>	38.19	
			<i>For Work In Restricted Working Space, Add</i>	20.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.83	
26 05 33	13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	247.53	40.20
			<i>For Elevated Installation >10' To 15', Add</i>	8.04	
			<i>For Elevated Installation >15' To 20', Add</i>	16.08	
			<i>For Elevated Installation >20' To 25', Add</i>	20.10	
			<i>For Elevated Installation >25' To 30', Add</i>	28.14	
			<i>For Elevated Installation >30' To 35', Add</i>	32.16	
			<i>For Elevated Installation >35' To 40', Add</i>	40.20	
			<i>For Elevated Installation >40', Add</i>	44.21	
			<i>For Work In Restricted Working Space, Add</i>	24.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12	
26 05 33	13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	328.57	45.68
			<i>For Elevated Installation >10' To 15', Add</i>	9.14	
			<i>For Elevated Installation >15' To 20', Add</i>	18.27	
			<i>For Elevated Installation >20' To 25', Add</i>	22.84	
			<i>For Elevated Installation >25' To 30', Add</i>	31.98	
			<i>For Elevated Installation >30' To 35', Add</i>	36.54	
			<i>For Elevated Installation >35' To 40', Add</i>	45.68	
			<i>For Elevated Installation >40', Add</i>	50.25	
			<i>For Work In Restricted Working Space, Add</i>	27.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.41	
26 05 33	13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	456.32	50.25
			<i>For Elevated Installation >10' To 15', Add</i>	10.05	
			<i>For Elevated Installation >15' To 20', Add</i>	20.10	
			<i>For Elevated Installation >20' To 25', Add</i>	25.12	
			<i>For Elevated Installation >25' To 30', Add</i>	35.17	
			<i>For Elevated Installation >30' To 35', Add</i>	40.20	
			<i>For Elevated Installation >35' To 40', Add</i>	50.25	
			<i>For Elevated Installation >40', Add</i>	55.27	
			<i>For Work In Restricted Working Space, Add</i>	30.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
26 05 33	13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,457.78	63.04
			<i>For Elevated Installation >10' To 15', Add</i>	12.61	
			<i>For Elevated Installation >15' To 20', Add</i>	25.21	
			<i>For Elevated Installation >20' To 25', Add</i>	31.52	
			<i>For Elevated Installation >25' To 30', Add</i>	44.12	
			<i>For Elevated Installation >30' To 35', Add</i>	50.42	
			<i>For Elevated Installation >35' To 40', Add</i>	63.03	
			<i>For Elevated Installation >40', Add</i>	69.33	
			<i>For Work In Restricted Working Space, Add</i>	37.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,649.65	85.87
			<i>For Elevated Installation >10' To 15', Add</i>	17.18	
			<i>For Elevated Installation >15' To 20', Add</i>	34.35	
			<i>For Elevated Installation >20' To 25', Add</i>	42.94	
			<i>For Elevated Installation >25' To 30', Add</i>	60.12	
			<i>For Elevated Installation >30' To 35', Add</i>	68.70	
			<i>For Elevated Installation >35' To 40', Add</i>	85.88	
			<i>For Elevated Installation >40', Add</i>	94.47	
			<i>For Work In Restricted Working Space, Add</i>	51.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.53	
26 05 33 13-1021	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,974.01	126.07
			<i>For Elevated Installation >10' To 15', Add</i>	25.21	
			<i>For Elevated Installation >15' To 20', Add</i>	50.43	
			<i>For Elevated Installation >20' To 25', Add</i>	63.04	
			<i>For Elevated Installation >25' To 30', Add</i>	88.25	
			<i>For Elevated Installation >30' To 35', Add</i>	100.86	
			<i>For Elevated Installation >35' To 40', Add</i>	126.07	
			<i>For Elevated Installation >40', Add</i>	138.68	
			<i>For Work In Restricted Working Space, Add</i>	75.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64	
26 05 33 13-1022			Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0848)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1023	EA		1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	146.31	43.85
			<i>For Elevated Installation >10' To 15', Add</i>	8.77	
			<i>For Elevated Installation >15' To 20', Add</i>	17.54	
			<i>For Elevated Installation >20' To 25', Add</i>	21.93	
			<i>For Elevated Installation >25' To 30', Add</i>	30.70	
			<i>For Elevated Installation >30' To 35', Add</i>	35.08	
			<i>For Elevated Installation >35' To 40', Add</i>	43.86	
			<i>For Elevated Installation >40', Add</i>	48.24	
			<i>For Work In Restricted Working Space, Add</i>	26.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.31	
26 05 33 13-1024	EA		3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	165.47	50.25
			<i>For Elevated Installation >10' To 15', Add</i>	10.05	
			<i>For Elevated Installation >15' To 20', Add</i>	20.10	
			<i>For Elevated Installation >20' To 25', Add</i>	25.12	
			<i>For Elevated Installation >25' To 30', Add</i>	35.17	
			<i>For Elevated Installation >30' To 35', Add</i>	40.20	
			<i>For Elevated Installation >35' To 40', Add</i>	50.25	
			<i>For Elevated Installation >40', Add</i>	55.27	
			<i>For Work In Restricted Working Space, Add</i>	30.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
26 05 33 13-1025	EA		1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	202.05	57.56
			<i>For Elevated Installation >10' To 15', Add</i>	11.51	
			<i>For Elevated Installation >15' To 20', Add</i>	23.02	
			<i>For Elevated Installation >20' To 25', Add</i>	28.78	
			<i>For Elevated Installation >25' To 30', Add</i>	40.29	
			<i>For Elevated Installation >30' To 35', Add</i>	46.04	
			<i>For Elevated Installation >35' To 40', Add</i>	57.56	
			<i>For Elevated Installation >40', Add</i>	63.31	
			<i>For Work In Restricted Working Space, Add</i>	34.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
26 05 33 13-1026	EA		1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	259.59	66.69
			<i>For Elevated Installation >10' To 15', Add</i>	13.34	
			<i>For Elevated Installation >15' To 20', Add</i>	26.68	
			<i>For Elevated Installation >20' To 25', Add</i>	33.35	
			<i>For Elevated Installation >25' To 30', Add</i>	46.68	
			<i>For Elevated Installation >30' To 35', Add</i>	53.35	
			<i>For Elevated Installation >35' To 40', Add</i>	66.69	
			<i>For Elevated Installation >40', Add</i>	73.36	
			<i>For Work In Restricted Working Space, Add</i>	40.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.01	
26 05 33 13-1027	EA		1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	300.29	73.09
			<i>For Elevated Installation >10' To 15', Add</i>	14.62	
			<i>For Elevated Installation >15' To 20', Add</i>	29.23	
			<i>For Elevated Installation >20' To 25', Add</i>	36.54	
			<i>For Elevated Installation >25' To 30', Add</i>	51.16	
			<i>For Elevated Installation >30' To 35', Add</i>	58.47	
			<i>For Elevated Installation >35' To 40', Add</i>	73.09	
			<i>For Elevated Installation >40', Add</i>	80.39	
			<i>For Work In Restricted Working Space, Add</i>	43.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	402.62	87.71
			<i>For Elevated Installation >10' To 15', Add</i>	17.54	
			<i>For Elevated Installation >15' To 20', Add</i>	35.08	
			<i>For Elevated Installation >20' To 25', Add</i>	43.85	
			<i>For Elevated Installation >25' To 30', Add</i>	61.39	
			<i>For Elevated Installation >30' To 35', Add</i>	70.16	
			<i>For Elevated Installation >35' To 40', Add</i>	87.71	
			<i>For Elevated Installation >40', Add</i>	96.48	
			<i>For Work In Restricted Working Space, Add</i>	52.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.62	
26 05 33	13-1029	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	663.64	123.34
			<i>For Elevated Installation >10' To 15', Add</i>	24.67	
			<i>For Elevated Installation >15' To 20', Add</i>	49.33	
			<i>For Elevated Installation >20' To 25', Add</i>	61.67	
			<i>For Elevated Installation >25' To 30', Add</i>	86.33	
			<i>For Elevated Installation >30' To 35', Add</i>	98.67	
			<i>For Elevated Installation >35' To 40', Add</i>	123.34	
			<i>For Elevated Installation >40', Add</i>	135.67	
			<i>For Work In Restricted Working Space, Add</i>	74.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.00	
26 05 33	13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	853.42	164.45
			<i>For Elevated Installation >10' To 15', Add</i>	32.89	
			<i>For Elevated Installation >15' To 20', Add</i>	65.78	
			<i>For Elevated Installation >20' To 25', Add</i>	82.23	
			<i>For Elevated Installation >25' To 30', Add</i>	115.12	
			<i>For Elevated Installation >30' To 35', Add</i>	131.56	
			<i>For Elevated Installation >35' To 40', Add</i>	164.45	
			<i>For Elevated Installation >40', Add</i>	180.90	
			<i>For Work In Restricted Working Space, Add</i>	98.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.67	
26 05 33	13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,173.18	205.55
			<i>For Elevated Installation >10' To 15', Add</i>	41.11	
			<i>For Elevated Installation >15' To 20', Add</i>	82.22	
			<i>For Elevated Installation >20' To 25', Add</i>	102.78	
			<i>For Elevated Installation >25' To 30', Add</i>	143.89	
			<i>For Elevated Installation >30' To 35', Add</i>	164.44	
			<i>For Elevated Installation >35' To 40', Add</i>	205.56	
			<i>For Elevated Installation >40', Add</i>	226.11	
			<i>For Work In Restricted Working Space, Add</i>	123.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.33	
26 05 33	13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,354.88	250.32
			<i>For Elevated Installation >10' To 15', Add</i>	50.07	
			<i>For Elevated Installation >15' To 20', Add</i>	100.13	
			<i>For Elevated Installation >20' To 25', Add</i>	125.16	
			<i>For Elevated Installation >25' To 30', Add</i>	175.23	
			<i>For Elevated Installation >30' To 35', Add</i>	200.26	
			<i>For Elevated Installation >35' To 40', Add</i>	250.33	
			<i>For Elevated Installation >40', Add</i>	275.36	
			<i>For Work In Restricted Working Space, Add</i>	150.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.20	
26 05 33	13-1033		Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0848)		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33	13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	191.30	57.56
			<i>For Elevated Installation >10' To 15', Add</i>	11.51	
			<i>For Elevated Installation >15' To 20', Add</i>	23.02	
			<i>For Elevated Installation >20' To 25', Add</i>	28.78	
			<i>For Elevated Installation >25' To 30', Add</i>	40.29	
			<i>For Elevated Installation >30' To 35', Add</i>	46.04	
			<i>For Elevated Installation >35' To 40', Add</i>	57.56	
			<i>For Elevated Installation >40', Add</i>	63.31	
			<i>For Work In Restricted Working Space, Add</i>	34.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
26 05 33	13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	217.11	63.95
			<i>For Elevated Installation >10' To 15', Add</i>	12.79	
			<i>For Elevated Installation >15' To 20', Add</i>	25.58	
			<i>For Elevated Installation >20' To 25', Add</i>	31.98	
			<i>For Elevated Installation >25' To 30', Add</i>	44.77	
			<i>For Elevated Installation >30' To 35', Add</i>	51.16	
			<i>For Elevated Installation >35' To 40', Add</i>	63.95	
			<i>For Elevated Installation >40', Add</i>	70.35	
			<i>For Work In Restricted Working Space, Add</i>	38.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036 EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	260.86	70.34
For Elevated Installation >10' To 15', Add	14.07	
For Elevated Installation >15' To 20', Add	28.14	
For Elevated Installation >20' To 25', Add	35.17	
For Elevated Installation >25' To 30', Add	49.24	
For Elevated Installation >30' To 35', Add	56.28	
For Elevated Installation >35' To 40', Add	70.35	
For Elevated Installation >40', Add	77.38	
For Work In Restricted Working Space, Add	42.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.21	
26 05 33 13-1037 EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	342.85	80.39
For Elevated Installation >10' To 15', Add	16.08	
For Elevated Installation >15' To 20', Add	32.16	
For Elevated Installation >20' To 25', Add	40.20	
For Elevated Installation >25' To 30', Add	56.27	
For Elevated Installation >30' To 35', Add	64.31	
For Elevated Installation >35' To 40', Add	80.39	
For Elevated Installation >40', Add	88.43	
For Work In Restricted Working Space, Add	48.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.23	
26 05 33 13-1038 EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	401.10	87.71
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.71	
For Elevated Installation >40', Add	96.48	
For Work In Restricted Working Space, Add	52.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.62	
26 05 33 13-1039 EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	539.79	107.81
For Elevated Installation >10' To 15', Add	21.56	
For Elevated Installation >15' To 20', Add	43.12	
For Elevated Installation >20' To 25', Add	53.90	
For Elevated Installation >25' To 30', Add	75.46	
For Elevated Installation >30' To 35', Add	86.24	
For Elevated Installation >35' To 40', Add	107.81	
For Elevated Installation >40', Add	118.59	
For Work In Restricted Working Space, Add	64.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.68	
26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0848)</small>		
<small>Note: Suitable for use in hazardous locations. Class I, Div 2.</small>		
26 05 33 13-1041 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	168.13	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-1042 EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	192.48	58.47
For Elevated Installation >10' To 15', Add	11.69	
For Elevated Installation >15' To 20', Add	23.39	
For Elevated Installation >20' To 25', Add	29.24	
For Elevated Installation >25' To 30', Add	40.93	
For Elevated Installation >30' To 35', Add	46.78	
For Elevated Installation >35' To 40', Add	58.47	
For Elevated Installation >40', Add	64.32	
For Work In Restricted Working Space, Add	35.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.08	
26 05 33 13-1043 EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	229.10	63.95
For Elevated Installation >10' To 15', Add	12.79	
For Elevated Installation >15' To 20', Add	25.58	
For Elevated Installation >20' To 25', Add	31.98	
For Elevated Installation >25' To 30', Add	44.77	
For Elevated Installation >30' To 35', Add	51.16	
For Elevated Installation >35' To 40', Add	63.95	
For Elevated Installation >40', Add	70.35	
For Work In Restricted Working Space, Add	38.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.37	
26 05 33 13-1044 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	288.64	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	338.71	80.39
			<i>For Elevated Installation >10' To 15', Add</i>	16.08	
			<i>For Elevated Installation >15' To 20', Add</i>	32.16	
			<i>For Elevated Installation >20' To 25', Add</i>	40.20	
			<i>For Elevated Installation >25' To 30', Add</i>	56.28	
			<i>For Elevated Installation >30' To 35', Add</i>	64.32	
			<i>For Elevated Installation >35' To 40', Add</i>	80.40	
			<i>For Elevated Installation >40', Add</i>	88.43	
			<i>For Work In Restricted Working Space, Add</i>	48.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.24	
26 05 33	13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	446.56	94.10
			<i>For Elevated Installation >10' To 15', Add</i>	18.82	
			<i>For Elevated Installation >15' To 20', Add</i>	37.64	
			<i>For Elevated Installation >20' To 25', Add</i>	47.05	
			<i>For Elevated Installation >25' To 30', Add</i>	65.87	
			<i>For Elevated Installation >30' To 35', Add</i>	75.28	
			<i>For Elevated Installation >35' To 40', Add</i>	94.10	
			<i>For Elevated Installation >40', Add</i>	103.51	
			<i>For Work In Restricted Working Space, Add</i>	56.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.46	
26 05 33	13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	710.50	137.03
			<i>For Elevated Installation >10' To 15', Add</i>	27.41	
			<i>For Elevated Installation >15' To 20', Add</i>	54.82	
			<i>For Elevated Installation >20' To 25', Add</i>	68.52	
			<i>For Elevated Installation >25' To 30', Add</i>	95.93	
			<i>For Elevated Installation >30' To 35', Add</i>	109.63	
			<i>For Elevated Installation >35' To 40', Add</i>	137.04	
			<i>For Elevated Installation >40', Add</i>	150.74	
			<i>For Work In Restricted Working Space, Add</i>	82.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.22	
26 05 33	13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	938.66	178.15
			<i>For Elevated Installation >10' To 15', Add</i>	35.63	
			<i>For Elevated Installation >15' To 20', Add</i>	71.26	
			<i>For Elevated Installation >20' To 25', Add</i>	89.07	
			<i>For Elevated Installation >25' To 30', Add</i>	124.70	
			<i>For Elevated Installation >30' To 35', Add</i>	142.52	
			<i>For Elevated Installation >35' To 40', Add</i>	178.15	
			<i>For Elevated Installation >40', Add</i>	195.96	
			<i>For Work In Restricted Working Space, Add</i>	106.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.89	
26 05 33	13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,275.56	219.26
			<i>For Elevated Installation >10' To 15', Add</i>	43.85	
			<i>For Elevated Installation >15' To 20', Add</i>	87.70	
			<i>For Elevated Installation >20' To 25', Add</i>	109.63	
			<i>For Elevated Installation >25' To 30', Add</i>	153.48	
			<i>For Elevated Installation >30' To 35', Add</i>	175.40	
			<i>For Elevated Installation >35' To 40', Add</i>	219.26	
			<i>For Elevated Installation >40', Add</i>	241.18	
			<i>For Work In Restricted Working Space, Add</i>	131.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.55	
26 05 33	13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,436.16	264.03
			<i>For Elevated Installation >10' To 15', Add</i>	52.81	
			<i>For Elevated Installation >15' To 20', Add</i>	105.61	
			<i>For Elevated Installation >20' To 25', Add</i>	132.02	
			<i>For Elevated Installation >25' To 30', Add</i>	184.82	
			<i>For Elevated Installation >30' To 35', Add</i>	211.23	
			<i>For Elevated Installation >35' To 40', Add</i>	264.04	
			<i>For Elevated Installation >40', Add</i>	290.44	
			<i>For Work In Restricted Working Space, Add</i>	158.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.42	
26 05 33	13-1051		Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <small>(26 05 33 13-0848)</small>		
26 05 33	13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	31.74	5.48
			<i>For Elevated Installation >10' To 15', Add</i>	1.10	
			<i>For Elevated Installation >15' To 20', Add</i>	2.19	
			<i>For Elevated Installation >20' To 25', Add</i>	2.74	
			<i>For Elevated Installation >25' To 30', Add</i>	3.84	
			<i>For Elevated Installation >30' To 35', Add</i>	4.38	
			<i>For Elevated Installation >35' To 40', Add</i>	5.48	
			<i>For Elevated Installation >40', Add</i>	6.03	
			<i>For Work In Restricted Working Space, Add</i>	3.29	
26 05 33	13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	35.75	6.39
			<i>For Elevated Installation >10' To 15', Add</i>	1.28	
			<i>For Elevated Installation >15' To 20', Add</i>	2.56	
			<i>For Elevated Installation >20' To 25', Add</i>	3.20	
			<i>For Elevated Installation >25' To 30', Add</i>	4.48	
			<i>For Elevated Installation >30' To 35', Add</i>	5.12	
			<i>For Elevated Installation >35' To 40', Add</i>	6.40	
			<i>For Elevated Installation >40', Add</i>	7.03	
			<i>For Work In Restricted Working Space, Add</i>	3.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1054 EA 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	46.55	8.23
<i>For Elevated Installation >10' To 15', Add</i>	1.64	
<i>For Elevated Installation >15' To 20', Add</i>	3.29	
<i>For Elevated Installation >20' To 25', Add</i>	4.11	
<i>For Elevated Installation >25' To 30', Add</i>	5.75	
<i>For Elevated Installation >30' To 35', Add</i>	6.58	
<i>For Elevated Installation >35' To 40', Add</i>	8.22	
<i>For Elevated Installation >40', Add</i>	9.04	
<i>For Work In Restricted Working Space, Add</i>	4.93	
26 05 33 13-1055 EA 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	59.58	10.05
<i>For Elevated Installation >10' To 15', Add</i>	2.01	
<i>For Elevated Installation >15' To 20', Add</i>	4.02	
<i>For Elevated Installation >20' To 25', Add</i>	5.03	
<i>For Elevated Installation >25' To 30', Add</i>	7.04	
<i>For Elevated Installation >30' To 35', Add</i>	8.04	
<i>For Elevated Installation >35' To 40', Add</i>	10.05	
<i>For Elevated Installation >40', Add</i>	11.06	
<i>For Work In Restricted Working Space, Add</i>	6.03	
26 05 33 13-1056 EA 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	67.06	11.87
<i>For Elevated Installation >10' To 15', Add</i>	2.38	
<i>For Elevated Installation >15' To 20', Add</i>	4.75	
<i>For Elevated Installation >20' To 25', Add</i>	5.94	
<i>For Elevated Installation >25' To 30', Add</i>	8.32	
<i>For Elevated Installation >30' To 35', Add</i>	9.50	
<i>For Elevated Installation >35' To 40', Add</i>	11.88	
<i>For Elevated Installation >40', Add</i>	13.07	
<i>For Work In Restricted Working Space, Add</i>	7.13	
26 05 33 13-1057 EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	82.44	13.71
<i>For Elevated Installation >10' To 15', Add</i>	2.74	
<i>For Elevated Installation >15' To 20', Add</i>	5.48	
<i>For Elevated Installation >20' To 25', Add</i>	6.85	
<i>For Elevated Installation >25' To 30', Add</i>	9.59	
<i>For Elevated Installation >30' To 35', Add</i>	10.96	
<i>For Elevated Installation >35' To 40', Add</i>	13.70	
<i>For Elevated Installation >40', Add</i>	15.07	
<i>For Work In Restricted Working Space, Add</i>	8.22	
26 05 33 13-1058 EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	105.48	15.53
<i>For Elevated Installation >10' To 15', Add</i>	3.11	
<i>For Elevated Installation >15' To 20', Add</i>	6.21	
<i>For Elevated Installation >20' To 25', Add</i>	7.77	
<i>For Elevated Installation >25' To 30', Add</i>	10.87	
<i>For Elevated Installation >30' To 35', Add</i>	12.42	
<i>For Elevated Installation >35' To 40', Add</i>	15.53	
<i>For Elevated Installation >40', Add</i>	17.08	
<i>For Work In Restricted Working Space, Add</i>	9.32	
26 05 33 13-1059 EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	118.27	21.92
<i>For Elevated Installation >10' To 15', Add</i>	4.39	
<i>For Elevated Installation >15' To 20', Add</i>	8.77	
<i>For Elevated Installation >20' To 25', Add</i>	10.96	
<i>For Elevated Installation >25' To 30', Add</i>	15.35	
<i>For Elevated Installation >30' To 35', Add</i>	17.54	
<i>For Elevated Installation >35' To 40', Add</i>	21.93	
<i>For Elevated Installation >40', Add</i>	24.12	
<i>For Work In Restricted Working Space, Add</i>	13.16	
26 05 33 13-1060 EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	142.65	24.67
<i>For Elevated Installation >10' To 15', Add</i>	4.93	
<i>For Elevated Installation >15' To 20', Add</i>	9.87	
<i>For Elevated Installation >20' To 25', Add</i>	12.33	
<i>For Elevated Installation >25' To 30', Add</i>	17.27	
<i>For Elevated Installation >30' To 35', Add</i>	19.73	
<i>For Elevated Installation >35' To 40', Add</i>	24.67	
<i>For Elevated Installation >40', Add</i>	27.13	
<i>For Work In Restricted Working Space, Add</i>	14.80	
26 05 33 13-1061 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	155.44	31.06
<i>For Elevated Installation >10' To 15', Add</i>	6.21	
<i>For Elevated Installation >15' To 20', Add</i>	12.42	
<i>For Elevated Installation >20' To 25', Add</i>	15.53	
<i>For Elevated Installation >25' To 30', Add</i>	21.74	
<i>For Elevated Installation >30' To 35', Add</i>	24.85	
<i>For Elevated Installation >35' To 40', Add</i>	31.06	
<i>For Elevated Installation >40', Add</i>	34.17	
<i>For Work In Restricted Working Space, Add</i>	18.64	
26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>		
26 05 33 13-1063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	162.06	43.85
<i>For Elevated Installation >10' To 15', Add</i>	8.77	
<i>For Elevated Installation >15' To 20', Add</i>	17.54	
<i>For Elevated Installation >20' To 25', Add</i>	21.93	
<i>For Elevated Installation >25' To 30', Add</i>	30.70	
<i>For Elevated Installation >30' To 35', Add</i>	35.08	
<i>For Elevated Installation >35' To 40', Add</i>	43.86	
<i>For Elevated Installation >40', Add</i>	48.24	
<i>For Work In Restricted Working Space, Add</i>	26.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.31	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	180.45	50.25
			<i>For Elevated Installation >10' To 15', Add</i>	10.05	
			<i>For Elevated Installation >15' To 20', Add</i>	20.10	
			<i>For Elevated Installation >20' To 25', Add</i>	25.12	
			<i>For Elevated Installation >25' To 30', Add</i>	35.17	
			<i>For Elevated Installation >30' To 35', Add</i>	40.20	
			<i>For Elevated Installation >35' To 40', Add</i>	50.25	
			<i>For Elevated Installation >40', Add</i>	55.27	
			<i>For Work In Restricted Working Space, Add</i>	30.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
26 05 33	13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	210.10	57.56
			<i>For Elevated Installation >10' To 15', Add</i>	11.51	
			<i>For Elevated Installation >15' To 20', Add</i>	23.02	
			<i>For Elevated Installation >20' To 25', Add</i>	28.78	
			<i>For Elevated Installation >25' To 30', Add</i>	40.29	
			<i>For Elevated Installation >30' To 35', Add</i>	46.04	
			<i>For Elevated Installation >35' To 40', Add</i>	57.56	
			<i>For Elevated Installation >40', Add</i>	63.31	
			<i>For Work In Restricted Working Space, Add</i>	34.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
26 05 33	13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	248.43	66.69
			<i>For Elevated Installation >10' To 15', Add</i>	13.34	
			<i>For Elevated Installation >15' To 20', Add</i>	26.68	
			<i>For Elevated Installation >20' To 25', Add</i>	33.35	
			<i>For Elevated Installation >25' To 30', Add</i>	46.69	
			<i>For Elevated Installation >30' To 35', Add</i>	53.36	
			<i>For Elevated Installation >35' To 40', Add</i>	66.70	
			<i>For Elevated Installation >40', Add</i>	73.36	
			<i>For Work In Restricted Working Space, Add</i>	40.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.02	
26 05 33	13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	303.43	73.09
			<i>For Elevated Installation >10' To 15', Add</i>	14.62	
			<i>For Elevated Installation >15' To 20', Add</i>	29.23	
			<i>For Elevated Installation >20' To 25', Add</i>	36.54	
			<i>For Elevated Installation >25' To 30', Add</i>	51.16	
			<i>For Elevated Installation >30' To 35', Add</i>	58.47	
			<i>For Elevated Installation >35' To 40', Add</i>	73.09	
			<i>For Elevated Installation >40', Add</i>	80.39	
			<i>For Work In Restricted Working Space, Add</i>	43.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85	
26 05 33	13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	367.22	87.71
			<i>For Elevated Installation >10' To 15', Add</i>	17.54	
			<i>For Elevated Installation >15' To 20', Add</i>	35.08	
			<i>For Elevated Installation >20' To 25', Add</i>	43.85	
			<i>For Elevated Installation >25' To 30', Add</i>	61.39	
			<i>For Elevated Installation >30' To 35', Add</i>	70.16	
			<i>For Elevated Installation >35' To 40', Add</i>	87.71	
			<i>For Elevated Installation >40', Add</i>	96.48	
			<i>For Work In Restricted Working Space, Add</i>	52.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.62	
26 05 33	13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	529.65	123.34
			<i>For Elevated Installation >10' To 15', Add</i>	24.67	
			<i>For Elevated Installation >15' To 20', Add</i>	49.33	
			<i>For Elevated Installation >20' To 25', Add</i>	61.67	
			<i>For Elevated Installation >25' To 30', Add</i>	86.33	
			<i>For Elevated Installation >30' To 35', Add</i>	98.67	
			<i>For Elevated Installation >35' To 40', Add</i>	123.34	
			<i>For Elevated Installation >40', Add</i>	135.67	
			<i>For Work In Restricted Working Space, Add</i>	74.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.00	
26 05 33	13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	682.81	164.45
			<i>For Elevated Installation >10' To 15', Add</i>	32.89	
			<i>For Elevated Installation >15' To 20', Add</i>	65.78	
			<i>For Elevated Installation >20' To 25', Add</i>	82.22	
			<i>For Elevated Installation >25' To 30', Add</i>	115.11	
			<i>For Elevated Installation >30' To 35', Add</i>	131.56	
			<i>For Elevated Installation >35' To 40', Add</i>	164.45	
			<i>For Elevated Installation >40', Add</i>	180.89	
			<i>For Work In Restricted Working Space, Add</i>	98.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.67	
26 05 33	13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,294.00	205.55
			<i>For Elevated Installation >10' To 15', Add</i>	41.11	
			<i>For Elevated Installation >15' To 20', Add</i>	82.22	
			<i>For Elevated Installation >20' To 25', Add</i>	102.78	
			<i>For Elevated Installation >25' To 30', Add</i>	143.89	
			<i>For Elevated Installation >30' To 35', Add</i>	164.44	
			<i>For Elevated Installation >35' To 40', Add</i>	205.56	
			<i>For Elevated Installation >40', Add</i>	226.11	
			<i>For Work In Restricted Working Space, Add</i>	123.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1072 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,865.41	250.32
<i>For Elevated Installation >10' To 15', Add</i>	50.07	
<i>For Elevated Installation >15' To 20', Add</i>	100.13	
<i>For Elevated Installation >20' To 25', Add</i>	125.16	
<i>For Elevated Installation >25' To 30', Add</i>	175.23	
<i>For Elevated Installation >30' To 35', Add</i>	200.26	
<i>For Elevated Installation >35' To 40', Add</i>	250.33	
<i>For Elevated Installation >40', Add</i>	275.36	
<i>For Work In Restricted Working Space, Add</i>	150.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.20	
 26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>		
26 05 33 13-1074 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	258.84	43.85
<i>For Elevated Installation >10' To 15', Add</i>	8.77	
<i>For Elevated Installation >15' To 20', Add</i>	17.54	
<i>For Elevated Installation >20' To 25', Add</i>	21.93	
<i>For Elevated Installation >25' To 30', Add</i>	30.70	
<i>For Elevated Installation >30' To 35', Add</i>	35.08	
<i>For Elevated Installation >35' To 40', Add</i>	43.86	
<i>For Elevated Installation >40', Add</i>	48.24	
<i>For Work In Restricted Working Space, Add</i>	26.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.31	
26 05 33 13-1075 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	280.51	50.25
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.12	
<i>For Elevated Installation >25' To 30', Add</i>	35.17	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.27	
<i>For Work In Restricted Working Space, Add</i>	30.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
26 05 33 13-1076 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	320.43	57.56
<i>For Elevated Installation >10' To 15', Add</i>	11.51	
<i>For Elevated Installation >15' To 20', Add</i>	23.02	
<i>For Elevated Installation >20' To 25', Add</i>	28.78	
<i>For Elevated Installation >25' To 30', Add</i>	40.29	
<i>For Elevated Installation >30' To 35', Add</i>	46.04	
<i>For Elevated Installation >35' To 40', Add</i>	57.56	
<i>For Elevated Installation >40', Add</i>	63.31	
<i>For Work In Restricted Working Space, Add</i>	34.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
26 05 33 13-1077 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	360.02	66.69
<i>For Elevated Installation >10' To 15', Add</i>	13.34	
<i>For Elevated Installation >15' To 20', Add</i>	26.68	
<i>For Elevated Installation >20' To 25', Add</i>	33.35	
<i>For Elevated Installation >25' To 30', Add</i>	46.69	
<i>For Elevated Installation >30' To 35', Add</i>	53.36	
<i>For Elevated Installation >35' To 40', Add</i>	66.70	
<i>For Elevated Installation >40', Add</i>	73.36	
<i>For Work In Restricted Working Space, Add</i>	40.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.02	
26 05 33 13-1078 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	431.88	73.09
<i>For Elevated Installation >10' To 15', Add</i>	14.62	
<i>For Elevated Installation >15' To 20', Add</i>	29.23	
<i>For Elevated Installation >20' To 25', Add</i>	36.54	
<i>For Elevated Installation >25' To 30', Add</i>	51.16	
<i>For Elevated Installation >30' To 35', Add</i>	58.47	
<i>For Elevated Installation >35' To 40', Add</i>	73.09	
<i>For Elevated Installation >40', Add</i>	80.39	
<i>For Work In Restricted Working Space, Add</i>	43.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85	
26 05 33 13-1079 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	489.41	87.71
<i>For Elevated Installation >10' To 15', Add</i>	17.54	
<i>For Elevated Installation >15' To 20', Add</i>	35.08	
<i>For Elevated Installation >20' To 25', Add</i>	43.85	
<i>For Elevated Installation >25' To 30', Add</i>	61.39	
<i>For Elevated Installation >30' To 35', Add</i>	70.16	
<i>For Elevated Installation >35' To 40', Add</i>	87.71	
<i>For Elevated Installation >40', Add</i>	96.48	
<i>For Work In Restricted Working Space, Add</i>	52.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.62	
26 05 33 13-1080 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	688.52	123.34
<i>For Elevated Installation >10' To 15', Add</i>	24.67	
<i>For Elevated Installation >15' To 20', Add</i>	49.33	
<i>For Elevated Installation >20' To 25', Add</i>	61.67	
<i>For Elevated Installation >25' To 30', Add</i>	86.33	
<i>For Elevated Installation >30' To 35', Add</i>	98.67	
<i>For Elevated Installation >35' To 40', Add</i>	123.34	
<i>For Elevated Installation >40', Add</i>	135.67	
<i>For Work In Restricted Working Space, Add</i>	74.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1081 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	954.89	164.45
For Elevated Installation >10' To 15', Add	32.89	
For Elevated Installation >15' To 20', Add	65.78	
For Elevated Installation >20' To 25', Add	82.22	
For Elevated Installation >25' To 30', Add	115.11	
For Elevated Installation >30' To 35', Add	131.56	
For Elevated Installation >35' To 40', Add	164.45	
For Elevated Installation >40', Add	180.89	
For Work In Restricted Working Space, Add	98.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.67	
26 05 33 13-1082 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,373.01	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.33	
26 05 33 13-1083 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,968.80	250.32
For Elevated Installation >10' To 15', Add	50.07	
For Elevated Installation >15' To 20', Add	100.13	
For Elevated Installation >20' To 25', Add	125.16	
For Elevated Installation >25' To 30', Add	175.23	
For Elevated Installation >30' To 35', Add	200.26	
For Elevated Installation >35' To 40', Add	250.33	
For Elevated Installation >40', Add	275.36	
For Work In Restricted Working Space, Add	150.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.20	
26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>		
26 05 33 13-1085 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	212.25	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.31	
26 05 33 13-1086 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	228.34	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-1087 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	262.24	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.53	
26 05 33 13-1088 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	294.03	66.69
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.36	
For Work In Restricted Working Space, Add	40.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.02	
26 05 33 13-1089 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	393.46	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	491.73	87.71
<i>For Elevated Installation >10' To 15', Add</i>	17.54	
<i>For Elevated Installation >15' To 20', Add</i>	35.08	
<i>For Elevated Installation >20' To 25', Add</i>	43.85	
<i>For Elevated Installation >25' To 30', Add</i>	61.39	
<i>For Elevated Installation >30' To 35', Add</i>	70.16	
<i>For Elevated Installation >35' To 40', Add</i>	87.71	
<i>For Elevated Installation >40', Add</i>	96.48	
<i>For Work In Restricted Working Space, Add</i>	52.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.62	
26 05 33 13-1091 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	756.09	123.34
<i>For Elevated Installation >10' To 15', Add</i>	24.67	
<i>For Elevated Installation >15' To 20', Add</i>	49.33	
<i>For Elevated Installation >20' To 25', Add</i>	61.67	
<i>For Elevated Installation >25' To 30', Add</i>	86.33	
<i>For Elevated Installation >30' To 35', Add</i>	98.67	
<i>For Elevated Installation >35' To 40', Add</i>	123.34	
<i>For Elevated Installation >40', Add</i>	135.67	
<i>For Work In Restricted Working Space, Add</i>	74.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.00	
26 05 33 13-1092 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	1,092.36	164.45
<i>For Elevated Installation >10' To 15', Add</i>	32.89	
<i>For Elevated Installation >15' To 20', Add</i>	65.78	
<i>For Elevated Installation >20' To 25', Add</i>	82.22	
<i>For Elevated Installation >25' To 30', Add</i>	115.11	
<i>For Elevated Installation >30' To 35', Add</i>	131.56	
<i>For Elevated Installation >35' To 40', Add</i>	164.45	
<i>For Elevated Installation >40', Add</i>	180.89	
<i>For Work In Restricted Working Space, Add</i>	98.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.67	
26 05 33 13-1093 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,373.01	205.55
<i>For Elevated Installation >10' To 15', Add</i>	41.11	
<i>For Elevated Installation >15' To 20', Add</i>	82.22	
<i>For Elevated Installation >20' To 25', Add</i>	102.78	
<i>For Elevated Installation >25' To 30', Add</i>	143.89	
<i>For Elevated Installation >30' To 35', Add</i>	164.44	
<i>For Elevated Installation >35' To 40', Add</i>	205.56	
<i>For Elevated Installation >40', Add</i>	226.11	
<i>For Work In Restricted Working Space, Add</i>	123.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.33	
26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>		
26 05 33 13-1095 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	272.51	43.85
<i>For Elevated Installation >10' To 15', Add</i>	8.77	
<i>For Elevated Installation >15' To 20', Add</i>	17.54	
<i>For Elevated Installation >20' To 25', Add</i>	21.93	
<i>For Elevated Installation >25' To 30', Add</i>	30.70	
<i>For Elevated Installation >30' To 35', Add</i>	35.08	
<i>For Elevated Installation >35' To 40', Add</i>	43.86	
<i>For Elevated Installation >40', Add</i>	48.24	
<i>For Work In Restricted Working Space, Add</i>	26.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.31	
26 05 33 13-1096 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	303.32	50.25
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.12	
<i>For Elevated Installation >25' To 30', Add</i>	35.17	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.27	
<i>For Work In Restricted Working Space, Add</i>	30.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
26 05 33 13-1097 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	373.20	57.56
<i>For Elevated Installation >10' To 15', Add</i>	11.51	
<i>For Elevated Installation >15' To 20', Add</i>	23.02	
<i>For Elevated Installation >20' To 25', Add</i>	28.78	
<i>For Elevated Installation >25' To 30', Add</i>	40.29	
<i>For Elevated Installation >30' To 35', Add</i>	46.04	
<i>For Elevated Installation >35' To 40', Add</i>	57.56	
<i>For Elevated Installation >40', Add</i>	63.31	
<i>For Work In Restricted Working Space, Add</i>	34.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
26 05 33 13-1098 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	457.62	66.69
<i>For Elevated Installation >10' To 15', Add</i>	13.34	
<i>For Elevated Installation >15' To 20', Add</i>	26.68	
<i>For Elevated Installation >20' To 25', Add</i>	33.35	
<i>For Elevated Installation >25' To 30', Add</i>	46.69	
<i>For Elevated Installation >30' To 35', Add</i>	53.36	
<i>For Elevated Installation >35' To 40', Add</i>	66.70	
<i>For Elevated Installation >40', Add</i>	73.36	
<i>For Work In Restricted Working Space, Add</i>	40.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1099 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	624.58	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.85	
26 05 33 13-1100 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	748.62	87.71
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.71	
For Elevated Installation >40', Add	96.48	
For Work In Restricted Working Space, Add	52.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.62	
26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings (26 05 33 13-0848)		
26 05 33 13-1102 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	57.78	17.57
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.30	
For Elevated Installation >30' To 35', Add	14.06	
For Elevated Installation >35' To 40', Add	17.57	
For Elevated Installation >40', Add	19.33	
For Work In Restricted Working Space, Add	10.54	
26 05 33 13-1103 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	75.34	21.08
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.86	
For Elevated Installation >35' To 40', Add	21.08	
For Elevated Installation >40', Add	23.19	
For Work In Restricted Working Space, Add	12.65	
26 05 33 13-1104 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	96.50	28.11
For Elevated Installation >10' To 15', Add	5.62	
For Elevated Installation >15' To 20', Add	11.24	
For Elevated Installation >20' To 25', Add	14.06	
For Elevated Installation >25' To 30', Add	19.68	
For Elevated Installation >30' To 35', Add	22.49	
For Elevated Installation >35' To 40', Add	28.11	
For Elevated Installation >40', Add	30.92	
For Work In Restricted Working Space, Add	16.87	
26 05 33 13-1105 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	130.73	35.14
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.05	
For Elevated Installation >20' To 25', Add	17.57	
For Elevated Installation >25' To 30', Add	24.59	
For Elevated Installation >30' To 35', Add	28.11	
For Elevated Installation >35' To 40', Add	35.14	
For Elevated Installation >40', Add	38.65	
For Work In Restricted Working Space, Add	21.08	
26 05 33 13-1106 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	169.26	42.16
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
26 05 33 13-1107 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	277.97	49.19
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
For Work In Restricted Working Space, Add	29.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1108 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	395.19	56.22
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Work In Restricted Working Space, Add	33.74	
26 05 33 13-1109 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	489.06	63.25
For Elevated Installation >10' To 15', Add	12.65	
For Elevated Installation >15' To 20', Add	25.30	
For Elevated Installation >20' To 25', Add	31.62	
For Elevated Installation >25' To 30', Add	44.27	
For Elevated Installation >30' To 35', Add	50.60	
For Elevated Installation >35' To 40', Add	63.25	
For Elevated Installation >40', Add	69.57	
For Work In Restricted Working Space, Add	37.95	
26 05 33 13-1110 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	672.58	73.79
For Elevated Installation >10' To 15', Add	14.76	
For Elevated Installation >15' To 20', Add	29.52	
For Elevated Installation >20' To 25', Add	36.90	
For Elevated Installation >25' To 30', Add	51.65	
For Elevated Installation >30' To 35', Add	59.03	
For Elevated Installation >35' To 40', Add	73.79	
For Elevated Installation >40', Add	81.17	
For Work In Restricted Working Space, Add	44.27	
26 05 33 13-1111 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	813.61	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
26 05 33 13-1112 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,301.37	133.53
For Elevated Installation >10' To 15', Add	26.71	
For Elevated Installation >15' To 20', Add	53.41	
For Elevated Installation >20' To 25', Add	66.76	
For Elevated Installation >25' To 30', Add	93.47	
For Elevated Installation >30' To 35', Add	106.82	
For Elevated Installation >35' To 40', Add	133.53	
For Elevated Installation >40', Add	146.88	
For Work In Restricted Working Space, Add	80.12	
26 05 33 13-1113 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,791.16	203.80
For Elevated Installation >10' To 15', Add	40.76	
For Elevated Installation >15' To 20', Add	81.52	
For Elevated Installation >20' To 25', Add	101.90	
For Elevated Installation >25' To 30', Add	142.66	
For Elevated Installation >30' To 35', Add	163.04	
For Elevated Installation >35' To 40', Add	203.80	
For Elevated Installation >40', Add	224.18	
For Work In Restricted Working Space, Add	122.28	
26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-1115 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	201.62	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	
26 05 33 13-1116 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	236.38	48.42
For Elevated Installation >10' To 15', Add	9.68	
For Elevated Installation >15' To 20', Add	19.37	
For Elevated Installation >20' To 25', Add	24.21	
For Elevated Installation >25' To 30', Add	33.89	
For Elevated Installation >30' To 35', Add	38.74	
For Elevated Installation >35' To 40', Add	48.42	
For Elevated Installation >40', Add	53.26	
For Work In Restricted Working Space, Add	29.05	
26 05 33 13-1117 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	263.21	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1118 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	369.06	66.69
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.36	
For Work In Restricted Working Space, Add	40.02	
26 05 33 13-1119 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	478.25	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	
26 05 33 13-1120 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	521.29	87.71
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.71	
For Elevated Installation >40', Add	96.48	
For Work In Restricted Working Space, Add	52.62	
26 05 33 13-1121 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,182.06	121.50
For Elevated Installation >10' To 15', Add	24.30	
For Elevated Installation >15' To 20', Add	48.60	
For Elevated Installation >20' To 25', Add	60.76	
For Elevated Installation >25' To 30', Add	85.06	
For Elevated Installation >30' To 35', Add	97.21	
For Elevated Installation >35' To 40', Add	121.51	
For Elevated Installation >40', Add	133.66	
For Work In Restricted Working Space, Add	72.91	
26 05 33 13-1122 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,268.16	164.45
For Elevated Installation >10' To 15', Add	32.89	
For Elevated Installation >15' To 20', Add	65.78	
For Elevated Installation >20' To 25', Add	82.23	
For Elevated Installation >25' To 30', Add	115.12	
For Elevated Installation >30' To 35', Add	131.56	
For Elevated Installation >35' To 40', Add	164.45	
For Elevated Installation >40', Add	180.90	
For Work In Restricted Working Space, Add	98.67	
26 05 33 13-1123 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	2,038.08	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.23	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.90	
For Elevated Installation >30' To 35', Add	164.45	
For Elevated Installation >35' To 40', Add	205.57	
For Elevated Installation >40', Add	226.12	
For Work In Restricted Working Space, Add	123.34	
26 05 33 13-1124 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	2,143.41	250.32
For Elevated Installation >10' To 15', Add	50.07	
For Elevated Installation >15' To 20', Add	100.14	
For Elevated Installation >20' To 25', Add	125.17	
For Elevated Installation >25' To 30', Add	175.24	
For Elevated Installation >30' To 35', Add	200.27	
For Elevated Installation >35' To 40', Add	250.34	
For Elevated Installation >40', Add	275.37	
For Work In Restricted Working Space, Add	150.20	
26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-1126 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	282.69	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	322.19	50.25
		<i>For Elevated Installation >10' To 15', Add</i>	10.05	
		<i>For Elevated Installation >15' To 20', Add</i>	20.10	
		<i>For Elevated Installation >20' To 25', Add</i>	25.12	
		<i>For Elevated Installation >25' To 30', Add</i>	35.17	
		<i>For Elevated Installation >30' To 35', Add</i>	40.20	
		<i>For Elevated Installation >35' To 40', Add</i>	50.25	
		<i>For Elevated Installation >40', Add</i>	55.27	
		<i>For Work In Restricted Working Space, Add</i>	30.15	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	611.96	57.56
		<i>For Elevated Installation >10' To 15', Add</i>	11.51	
		<i>For Elevated Installation >15' To 20', Add</i>	23.02	
		<i>For Elevated Installation >20' To 25', Add</i>	28.78	
		<i>For Elevated Installation >25' To 30', Add</i>	40.29	
		<i>For Elevated Installation >30' To 35', Add</i>	46.04	
		<i>For Elevated Installation >35' To 40', Add</i>	57.56	
		<i>For Elevated Installation >40', Add</i>	63.31	
		<i>For Work In Restricted Working Space, Add</i>	34.53	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	645.58	66.69
		<i>For Elevated Installation >10' To 15', Add</i>	13.34	
		<i>For Elevated Installation >15' To 20', Add</i>	26.68	
		<i>For Elevated Installation >20' To 25', Add</i>	33.35	
		<i>For Elevated Installation >25' To 30', Add</i>	46.69	
		<i>For Elevated Installation >30' To 35', Add</i>	53.36	
		<i>For Elevated Installation >35' To 40', Add</i>	66.70	
		<i>For Elevated Installation >40', Add</i>	73.36	
		<i>For Work In Restricted Working Space, Add</i>	40.02	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	872.16	73.09
		<i>For Elevated Installation >10' To 15', Add</i>	14.62	
		<i>For Elevated Installation >15' To 20', Add</i>	29.23	
		<i>For Elevated Installation >20' To 25', Add</i>	36.54	
		<i>For Elevated Installation >25' To 30', Add</i>	51.16	
		<i>For Elevated Installation >30' To 35', Add</i>	58.47	
		<i>For Elevated Installation >35' To 40', Add</i>	73.09	
		<i>For Elevated Installation >40', Add</i>	80.39	
		<i>For Work In Restricted Working Space, Add</i>	43.85	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	935.84	87.71
		<i>For Elevated Installation >10' To 15', Add</i>	17.54	
		<i>For Elevated Installation >15' To 20', Add</i>	35.08	
		<i>For Elevated Installation >20' To 25', Add</i>	43.85	
		<i>For Elevated Installation >25' To 30', Add</i>	61.39	
		<i>For Elevated Installation >30' To 35', Add</i>	70.16	
		<i>For Elevated Installation >35' To 40', Add</i>	87.71	
		<i>For Elevated Installation >40', Add</i>	96.48	
		<i>For Work In Restricted Working Space, Add</i>	52.62	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,773.59	123.34
		<i>For Elevated Installation >10' To 15', Add</i>	24.67	
		<i>For Elevated Installation >15' To 20', Add</i>	49.33	
		<i>For Elevated Installation >20' To 25', Add</i>	61.67	
		<i>For Elevated Installation >25' To 30', Add</i>	86.33	
		<i>For Elevated Installation >30' To 35', Add</i>	98.67	
		<i>For Elevated Installation >35' To 40', Add</i>	123.34	
		<i>For Elevated Installation >40', Add</i>	135.67	
		<i>For Work In Restricted Working Space, Add</i>	74.00	
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,885.99	164.45
		<i>For Elevated Installation >10' To 15', Add</i>	32.89	
		<i>For Elevated Installation >15' To 20', Add</i>	65.78	
		<i>For Elevated Installation >20' To 25', Add</i>	82.22	
		<i>For Elevated Installation >25' To 30', Add</i>	115.11	
		<i>For Elevated Installation >30' To 35', Add</i>	131.56	
		<i>For Elevated Installation >35' To 40', Add</i>	164.45	
		<i>For Elevated Installation >40', Add</i>	180.89	
		<i>For Work In Restricted Working Space, Add</i>	98.67	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,742.82	205.55
		<i>For Elevated Installation >10' To 15', Add</i>	41.11	
		<i>For Elevated Installation >15' To 20', Add</i>	82.22	
		<i>For Elevated Installation >20' To 25', Add</i>	102.78	
		<i>For Elevated Installation >25' To 30', Add</i>	143.89	
		<i>For Elevated Installation >30' To 35', Add</i>	164.44	
		<i>For Elevated Installation >35' To 40', Add</i>	205.56	
		<i>For Elevated Installation >40', Add</i>	226.11	
		<i>For Work In Restricted Working Space, Add</i>	123.33	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1135 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	3,115.80	250.32
For Elevated Installation >10' To 15', Add	50.07	
For Elevated Installation >15' To 20', Add	100.13	
For Elevated Installation >20' To 25', Add	125.16	
For Elevated Installation >25' To 30', Add	175.23	
For Elevated Installation >30' To 35', Add	200.26	
For Elevated Installation >35' To 40', Add	250.33	
For Elevated Installation >40', Add	275.36	
For Work In Restricted Working Space, Add	150.20	
26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0848)		
26 05 33 13-1137 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	111.86	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
26 05 33 13-1138 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	131.16	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.66	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	
26 05 33 13-1139 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	156.81	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-1140 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	184.66	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0848)		
26 05 33 13-1142 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	90.74	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
26 05 33 13-1143 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	105.81	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.66	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1144 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	144.46	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-1145 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	184.75	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-1146 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	223.34	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-1147 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	312.69	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1148 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	424.25	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows (26 05 33 13-0848)		
26 05 33 13-1150 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	111.91	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
26 05 33 13-1151 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	134.08	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.66	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	
26 05 33 13-1152 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	156.83	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	184.70	40.20
		<i>For Elevated Installation >10' To 15', Add</i>	8.04	
		<i>For Elevated Installation >15' To 20', Add</i>	16.08	
		<i>For Elevated Installation >20' To 25', Add</i>	20.10	
		<i>For Elevated Installation >25' To 30', Add</i>	28.14	
		<i>For Elevated Installation >30' To 35', Add</i>	32.16	
		<i>For Elevated Installation >35' To 40', Add</i>	40.20	
		<i>For Elevated Installation >40', Add</i>	44.21	
		<i>For Work In Restricted Working Space, Add</i>	24.12	
26 05 33 13-1154		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	90.82	22.84
		<i>For Elevated Installation >10' To 15', Add</i>	4.57	
		<i>For Elevated Installation >15' To 20', Add</i>	9.14	
		<i>For Elevated Installation >20' To 25', Add</i>	11.42	
		<i>For Elevated Installation >25' To 30', Add</i>	15.99	
		<i>For Elevated Installation >30' To 35', Add</i>	18.27	
		<i>For Elevated Installation >35' To 40', Add</i>	22.84	
		<i>For Elevated Installation >40', Add</i>	25.12	
		<i>For Work In Restricted Working Space, Add</i>	13.70	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	105.81	28.32
		<i>For Elevated Installation >10' To 15', Add</i>	5.66	
		<i>For Elevated Installation >15' To 20', Add</i>	11.33	
		<i>For Elevated Installation >20' To 25', Add</i>	14.16	
		<i>For Elevated Installation >25' To 30', Add</i>	19.82	
		<i>For Elevated Installation >30' To 35', Add</i>	22.66	
		<i>For Elevated Installation >35' To 40', Add</i>	28.32	
		<i>For Elevated Installation >40', Add</i>	31.15	
		<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	135.71	34.72
		<i>For Elevated Installation >10' To 15', Add</i>	6.94	
		<i>For Elevated Installation >15' To 20', Add</i>	13.89	
		<i>For Elevated Installation >20' To 25', Add</i>	17.36	
		<i>For Elevated Installation >25' To 30', Add</i>	24.30	
		<i>For Elevated Installation >30' To 35', Add</i>	27.77	
		<i>For Elevated Installation >35' To 40', Add</i>	34.72	
		<i>For Elevated Installation >40', Add</i>	38.19	
		<i>For Work In Restricted Working Space, Add</i>	20.83	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	167.77	40.20
		<i>For Elevated Installation >10' To 15', Add</i>	8.04	
		<i>For Elevated Installation >15' To 20', Add</i>	16.08	
		<i>For Elevated Installation >20' To 25', Add</i>	20.10	
		<i>For Elevated Installation >25' To 30', Add</i>	28.14	
		<i>For Elevated Installation >30' To 35', Add</i>	32.16	
		<i>For Elevated Installation >35' To 40', Add</i>	40.20	
		<i>For Elevated Installation >40', Add</i>	44.21	
		<i>For Work In Restricted Working Space, Add</i>	24.12	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	195.67	45.68
		<i>For Elevated Installation >10' To 15', Add</i>	9.14	
		<i>For Elevated Installation >15' To 20', Add</i>	18.27	
		<i>For Elevated Installation >20' To 25', Add</i>	22.84	
		<i>For Elevated Installation >25' To 30', Add</i>	31.98	
		<i>For Elevated Installation >30' To 35', Add</i>	36.54	
		<i>For Elevated Installation >35' To 40', Add</i>	45.68	
		<i>For Elevated Installation >40', Add</i>	50.25	
		<i>For Work In Restricted Working Space, Add</i>	27.41	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	224.09	50.25
		<i>For Elevated Installation >10' To 15', Add</i>	10.05	
		<i>For Elevated Installation >15' To 20', Add</i>	20.10	
		<i>For Elevated Installation >20' To 25', Add</i>	25.12	
		<i>For Elevated Installation >25' To 30', Add</i>	35.17	
		<i>For Elevated Installation >30' To 35', Add</i>	40.20	
		<i>For Elevated Installation >35' To 40', Add</i>	50.25	
		<i>For Elevated Installation >40', Add</i>	55.27	
		<i>For Work In Restricted Working Space, Add</i>	30.15	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	401.65	63.04
		<i>For Elevated Installation >10' To 15', Add</i>	12.61	
		<i>For Elevated Installation >15' To 20', Add</i>	25.21	
		<i>For Elevated Installation >20' To 25', Add</i>	31.52	
		<i>For Elevated Installation >25' To 30', Add</i>	44.12	
		<i>For Elevated Installation >30' To 35', Add</i>	50.43	
		<i>For Elevated Installation >35' To 40', Add</i>	63.04	
		<i>For Elevated Installation >40', Add</i>	69.34	
		<i>For Work In Restricted Working Space, Add</i>	37.82	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	467.80	85.87
				<i>For Elevated Installation >10' To 15', Add</i>	17.18	
				<i>For Elevated Installation >15' To 20', Add</i>	34.35	
				<i>For Elevated Installation >20' To 25', Add</i>	42.94	
				<i>For Elevated Installation >25' To 30', Add</i>	60.11	
				<i>For Elevated Installation >30' To 35', Add</i>	68.70	
				<i>For Elevated Installation >35' To 40', Add</i>	85.88	
				<i>For Elevated Installation >40', Add</i>	94.46	
				<i>For Work In Restricted Working Space, Add</i>	51.53	
	26 05 33	13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	507.01	96.84
				<i>For Elevated Installation >10' To 15', Add</i>	19.37	
				<i>For Elevated Installation >15' To 20', Add</i>	38.74	
				<i>For Elevated Installation >20' To 25', Add</i>	48.42	
				<i>For Elevated Installation >25' To 30', Add</i>	67.79	
				<i>For Elevated Installation >30' To 35', Add</i>	77.47	
				<i>For Elevated Installation >35' To 40', Add</i>	96.84	
				<i>For Elevated Installation >40', Add</i>	106.52	
				<i>For Work In Restricted Working Space, Add</i>	58.10	
	26 05 33	13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	629.13	126.07
				<i>For Elevated Installation >10' To 15', Add</i>	25.22	
				<i>For Elevated Installation >15' To 20', Add</i>	50.43	
				<i>For Elevated Installation >20' To 25', Add</i>	63.04	
				<i>For Elevated Installation >25' To 30', Add</i>	88.25	
				<i>For Elevated Installation >30' To 35', Add</i>	100.86	
				<i>For Elevated Installation >35' To 40', Add</i>	126.08	
				<i>For Elevated Installation >40', Add</i>	138.68	
				<i>For Work In Restricted Working Space, Add</i>	75.65	
26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0848)</small>						
	26 05 33	13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	187.94	43.85
				<i>For Elevated Installation >10' To 15', Add</i>	8.77	
				<i>For Elevated Installation >15' To 20', Add</i>	17.54	
				<i>For Elevated Installation >20' To 25', Add</i>	21.93	
				<i>For Elevated Installation >25' To 30', Add</i>	30.70	
				<i>For Elevated Installation >30' To 35', Add</i>	35.08	
				<i>For Elevated Installation >35' To 40', Add</i>	43.86	
				<i>For Elevated Installation >40', Add</i>	48.24	
				<i>For Work In Restricted Working Space, Add</i>	26.31	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.31	
	26 05 33	13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	204.66	50.25
				<i>For Elevated Installation >10' To 15', Add</i>	10.05	
				<i>For Elevated Installation >15' To 20', Add</i>	20.10	
				<i>For Elevated Installation >20' To 25', Add</i>	25.12	
				<i>For Elevated Installation >25' To 30', Add</i>	35.17	
				<i>For Elevated Installation >30' To 35', Add</i>	40.20	
				<i>For Elevated Installation >35' To 40', Add</i>	50.25	
				<i>For Elevated Installation >40', Add</i>	55.27	
				<i>For Work In Restricted Working Space, Add</i>	30.15	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.15	
	26 05 33	13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	225.44	57.56
				<i>For Elevated Installation >10' To 15', Add</i>	11.51	
				<i>For Elevated Installation >15' To 20', Add</i>	23.02	
				<i>For Elevated Installation >20' To 25', Add</i>	28.78	
				<i>For Elevated Installation >25' To 30', Add</i>	40.29	
				<i>For Elevated Installation >30' To 35', Add</i>	46.04	
				<i>For Elevated Installation >35' To 40', Add</i>	57.56	
				<i>For Elevated Installation >40', Add</i>	63.31	
				<i>For Work In Restricted Working Space, Add</i>	34.53	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
	26 05 33	13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	296.98	66.69
				<i>For Elevated Installation >10' To 15', Add</i>	13.34	
				<i>For Elevated Installation >15' To 20', Add</i>	26.68	
				<i>For Elevated Installation >20' To 25', Add</i>	33.35	
				<i>For Elevated Installation >25' To 30', Add</i>	46.69	
				<i>For Elevated Installation >30' To 35', Add</i>	53.36	
				<i>For Elevated Installation >35' To 40', Add</i>	66.70	
				<i>For Elevated Installation >40', Add</i>	73.36	
				<i>For Work In Restricted Working Space, Add</i>	40.02	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.02	
	26 05 33	13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	371.40	73.09
				<i>For Elevated Installation >10' To 15', Add</i>	14.62	
				<i>For Elevated Installation >15' To 20', Add</i>	29.23	
				<i>For Elevated Installation >20' To 25', Add</i>	36.54	
				<i>For Elevated Installation >25' To 30', Add</i>	51.16	
				<i>For Elevated Installation >30' To 35', Add</i>	58.47	
				<i>For Elevated Installation >35' To 40', Add</i>	73.09	
				<i>For Elevated Installation >40', Add</i>	80.39	
				<i>For Work In Restricted Working Space, Add</i>	43.85	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover		
26 05 33 13-1172 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	221.41	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	
26 05 33 13-1173 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	240.18	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1174 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	280.10	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	
26 05 33 13-1175 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	391.84	66.69
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.36	
For Work In Restricted Working Space, Add	40.02	
26 05 33 13-1176 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	617.21	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	
26 05 33 13-1177 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	671.70	87.71
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.71	
For Elevated Installation >40', Add	96.48	
For Work In Restricted Working Space, Add	52.62	
26 05 33 13-1178 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover		
26 05 33 13-1179 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	240.40	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	271.86	50.25
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.12	
<i>For Elevated Installation >25' To 30', Add</i>	35.17	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.27	
<i>For Work In Restricted Working Space, Add</i>	30.15	
26 05 33 13-1181 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	298.17	57.56
<i>For Elevated Installation >10' To 15', Add</i>	11.51	
<i>For Elevated Installation >15' To 20', Add</i>	23.02	
<i>For Elevated Installation >20' To 25', Add</i>	28.78	
<i>For Elevated Installation >25' To 30', Add</i>	40.29	
<i>For Elevated Installation >30' To 35', Add</i>	46.04	
<i>For Elevated Installation >35' To 40', Add</i>	57.56	
<i>For Elevated Installation >40', Add</i>	63.31	
<i>For Work In Restricted Working Space, Add</i>	34.53	
26 05 33 13-1182 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	410.21	66.69
<i>For Elevated Installation >10' To 15', Add</i>	13.34	
<i>For Elevated Installation >15' To 20', Add</i>	26.68	
<i>For Elevated Installation >20' To 25', Add</i>	33.35	
<i>For Elevated Installation >25' To 30', Add</i>	46.69	
<i>For Elevated Installation >30' To 35', Add</i>	53.36	
<i>For Elevated Installation >35' To 40', Add</i>	66.70	
<i>For Elevated Installation >40', Add</i>	73.36	
<i>For Work In Restricted Working Space, Add</i>	40.02	
26 05 33 13-1183 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	661.02	73.09
<i>For Elevated Installation >10' To 15', Add</i>	14.62	
<i>For Elevated Installation >15' To 20', Add</i>	29.23	
<i>For Elevated Installation >20' To 25', Add</i>	36.54	
<i>For Elevated Installation >25' To 30', Add</i>	51.16	
<i>For Elevated Installation >30' To 35', Add</i>	58.47	
<i>For Elevated Installation >35' To 40', Add</i>	73.09	
<i>For Elevated Installation >40', Add</i>	80.39	
<i>For Work In Restricted Working Space, Add</i>	43.85	
26 05 33 13-1184 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	711.91	87.71
<i>For Elevated Installation >10' To 15', Add</i>	17.54	
<i>For Elevated Installation >15' To 20', Add</i>	35.08	
<i>For Elevated Installation >20' To 25', Add</i>	43.85	
<i>For Elevated Installation >25' To 30', Add</i>	61.39	
<i>For Elevated Installation >30' To 35', Add</i>	70.16	
<i>For Elevated Installation >35' To 40', Add</i>	87.71	
<i>For Elevated Installation >40', Add</i>	96.48	
<i>For Work In Restricted Working Space, Add</i>	52.62	
26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0848)</small>		
26 05 33 13-1186 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	240.54	43.85
<i>For Elevated Installation >10' To 15', Add</i>	8.77	
<i>For Elevated Installation >15' To 20', Add</i>	17.54	
<i>For Elevated Installation >20' To 25', Add</i>	21.93	
<i>For Elevated Installation >25' To 30', Add</i>	30.70	
<i>For Elevated Installation >30' To 35', Add</i>	35.08	
<i>For Elevated Installation >35' To 40', Add</i>	43.86	
<i>For Elevated Installation >40', Add</i>	48.24	
<i>For Work In Restricted Working Space, Add</i>	26.31	
26 05 33 13-1187 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	266.25	50.25
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.12	
<i>For Elevated Installation >25' To 30', Add</i>	35.17	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.27	
<i>For Work In Restricted Working Space, Add</i>	30.15	
26 05 33 13-1188 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	315.62	57.56
<i>For Elevated Installation >10' To 15', Add</i>	11.51	
<i>For Elevated Installation >15' To 20', Add</i>	23.02	
<i>For Elevated Installation >20' To 25', Add</i>	28.78	
<i>For Elevated Installation >25' To 30', Add</i>	40.29	
<i>For Elevated Installation >30' To 35', Add</i>	46.04	
<i>For Elevated Installation >35' To 40', Add</i>	57.56	
<i>For Elevated Installation >40', Add</i>	63.31	
<i>For Work In Restricted Working Space, Add</i>	34.53	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	424.20	66.69
			<i>For Elevated Installation >10' To 15', Add</i>	13.34	
			<i>For Elevated Installation >15' To 20', Add</i>	26.68	
			<i>For Elevated Installation >20' To 25', Add</i>	33.35	
			<i>For Elevated Installation >25' To 30', Add</i>	46.69	
			<i>For Elevated Installation >30' To 35', Add</i>	53.36	
			<i>For Elevated Installation >35' To 40', Add</i>	66.70	
			<i>For Elevated Installation >40', Add</i>	73.36	
			<i>For Work In Restricted Working Space, Add</i>	40.02	
26 05 33 13-1190	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	681.90	73.09
			<i>For Elevated Installation >10' To 15', Add</i>	14.62	
			<i>For Elevated Installation >15' To 20', Add</i>	29.23	
			<i>For Elevated Installation >20' To 25', Add</i>	36.54	
			<i>For Elevated Installation >25' To 30', Add</i>	51.16	
			<i>For Elevated Installation >30' To 35', Add</i>	58.47	
			<i>For Elevated Installation >35' To 40', Add</i>	73.09	
			<i>For Elevated Installation >40', Add</i>	80.39	
			<i>For Work In Restricted Working Space, Add</i>	43.85	
26 05 33 13-1191	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	737.65	87.71
			<i>For Elevated Installation >10' To 15', Add</i>	17.54	
			<i>For Elevated Installation >15' To 20', Add</i>	35.08	
			<i>For Elevated Installation >20' To 25', Add</i>	43.85	
			<i>For Elevated Installation >25' To 30', Add</i>	61.39	
			<i>For Elevated Installation >30' To 35', Add</i>	70.16	
			<i>For Elevated Installation >35' To 40', Add</i>	87.71	
			<i>For Elevated Installation >40', Add</i>	96.48	
			<i>For Work In Restricted Working Space, Add</i>	52.62	
26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0848)					
26 05 33 13-1193	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	293.12	43.85
			<i>For Elevated Installation >10' To 15', Add</i>	8.77	
			<i>For Elevated Installation >15' To 20', Add</i>	17.54	
			<i>For Elevated Installation >20' To 25', Add</i>	21.93	
			<i>For Elevated Installation >25' To 30', Add</i>	30.70	
			<i>For Elevated Installation >30' To 35', Add</i>	35.08	
			<i>For Elevated Installation >35' To 40', Add</i>	43.86	
			<i>For Elevated Installation >40', Add</i>	48.24	
			<i>For Work In Restricted Working Space, Add</i>	26.31	
26 05 33 13-1194	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	324.70	50.25
			<i>For Elevated Installation >10' To 15', Add</i>	10.05	
			<i>For Elevated Installation >15' To 20', Add</i>	20.10	
			<i>For Elevated Installation >20' To 25', Add</i>	25.12	
			<i>For Elevated Installation >25' To 30', Add</i>	35.17	
			<i>For Elevated Installation >30' To 35', Add</i>	40.20	
			<i>For Elevated Installation >35' To 40', Add</i>	50.25	
			<i>For Elevated Installation >40', Add</i>	55.27	
			<i>For Work In Restricted Working Space, Add</i>	30.15	
26 05 33 13-1195	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	353.63	57.56
			<i>For Elevated Installation >10' To 15', Add</i>	11.51	
			<i>For Elevated Installation >15' To 20', Add</i>	23.02	
			<i>For Elevated Installation >20' To 25', Add</i>	28.78	
			<i>For Elevated Installation >25' To 30', Add</i>	40.29	
			<i>For Elevated Installation >30' To 35', Add</i>	46.04	
			<i>For Elevated Installation >35' To 40', Add</i>	57.56	
			<i>For Elevated Installation >40', Add</i>	63.31	
			<i>For Work In Restricted Working Space, Add</i>	34.53	
26 05 33 13-1196	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	849.14	66.69
			<i>For Elevated Installation >10' To 15', Add</i>	13.34	
			<i>For Elevated Installation >15' To 20', Add</i>	26.68	
			<i>For Elevated Installation >20' To 25', Add</i>	33.35	
			<i>For Elevated Installation >25' To 30', Add</i>	46.69	
			<i>For Elevated Installation >30' To 35', Add</i>	53.36	
			<i>For Elevated Installation >35' To 40', Add</i>	66.70	
			<i>For Elevated Installation >40', Add</i>	73.36	
			<i>For Work In Restricted Working Space, Add</i>	40.02	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0848)
 Note: Excludes cover.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1198 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	152.93	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	
26 05 33 13-1199 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	169.24	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1200 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	189.75	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	
26 05 33 13-1201 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	167.18	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	
26 05 33 13-1202 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	181.70	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1203 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	207.08	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	
26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes (26 05 33 13-0848)		
Note: Excludes cover.		
26 05 33 13-1205 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	159.67	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	
26 05 33 13-1206 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	176.82	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1207 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	194.99	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	176.83	43.85
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.70	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.86	
For Elevated Installation >40', Add	48.24	
For Work In Restricted Working Space, Add	26.31	
26 05 33 13-1209 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	194.15	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1210 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	219.88	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	
26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0848)</small>		
26 05 33 13-1212 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	51.31	5.48
For Elevated Installation >10' To 15', Add	1.10	
For Elevated Installation >15' To 20', Add	2.19	
For Elevated Installation >20' To 25', Add	2.74	
For Elevated Installation >25' To 30', Add	3.84	
For Elevated Installation >30' To 35', Add	4.38	
For Elevated Installation >35' To 40', Add	5.48	
For Elevated Installation >40', Add	6.03	
For Work In Restricted Working Space, Add	3.29	
26 05 33 13-1213 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	69.24	6.39
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.56	
For Elevated Installation >20' To 25', Add	3.20	
For Elevated Installation >25' To 30', Add	4.48	
For Elevated Installation >30' To 35', Add	5.12	
For Elevated Installation >35' To 40', Add	6.40	
For Elevated Installation >40', Add	7.03	
For Work In Restricted Working Space, Add	3.84	
26 05 33 13-1214 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	65.54	6.39
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.56	
For Elevated Installation >20' To 25', Add	3.20	
For Elevated Installation >25' To 30', Add	4.48	
For Elevated Installation >30' To 35', Add	5.12	
For Elevated Installation >35' To 40', Add	6.40	
For Elevated Installation >40', Add	7.03	
For Work In Restricted Working Space, Add	3.84	
26 05 33 13-1215 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	58.63	6.39
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.56	
For Elevated Installation >20' To 25', Add	3.20	
For Elevated Installation >25' To 30', Add	4.48	
For Elevated Installation >30' To 35', Add	5.12	
For Elevated Installation >35' To 40', Add	6.40	
For Elevated Installation >40', Add	7.03	
For Work In Restricted Working Space, Add	3.84	
26 05 33 13-1216 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	274.41	9.14
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.40	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Work In Restricted Working Space, Add	5.48	
26 05 33 13-1217 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	244.45	9.14
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.40	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Work In Restricted Working Space, Add	5.48	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1218	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0848)</small> Note: Includes covers.		
26 05 33 13-1219	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	311.75 11.51 23.02 28.78 40.29 46.04 57.56 63.31 34.53	57.56
26 05 33 13-1220	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	351.25 13.34 26.68 33.35 46.69 53.36 66.70 73.36 40.02	66.69
26 05 33 13-1221	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	475.06 14.62 29.23 36.54 51.16 58.47 73.09 80.39 43.85	73.09
26 05 33 13-1222	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	566.40 17.54 35.08 43.85 61.39 70.16 87.71 96.48 52.62	87.71
26 05 33 13-1223	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	816.49 24.67 49.33 61.67 86.33 98.67 123.34 135.67 74.00	123.34
26 05 33 13-1224	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,034.85 32.89 65.78 82.22 115.11 131.56 164.45 180.89 98.67	164.45
26 05 33 13-1225	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,498.37 41.11 82.22 102.78 143.89 164.44 205.56 226.11 123.33	205.55
26 05 33 13-1226	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,856.73 50.07 100.13 125.16 175.23 200.26 250.33 275.36 150.20	250.32
26 05 33 13-1227	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	311.75 11.51 23.02 28.78 40.29 46.04 57.56 63.31 34.53	57.56

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1228 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....351.25	351.25	66.69
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.36	
For Work In Restricted Working Space, Add	40.02	
26 05 33 13-1229 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....473.85	473.85	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	
26 05 33 13-1230 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....554.20	554.20	87.71
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.71	
For Elevated Installation >40', Add	96.48	
For Work In Restricted Working Space, Add	52.62	
26 05 33 13-1231 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....827.73	827.73	123.34
For Elevated Installation >10' To 15', Add	24.67	
For Elevated Installation >15' To 20', Add	49.33	
For Elevated Installation >20' To 25', Add	61.67	
For Elevated Installation >25' To 30', Add	86.33	
For Elevated Installation >30' To 35', Add	98.67	
For Elevated Installation >35' To 40', Add	123.34	
For Elevated Installation >40', Add	135.67	
For Work In Restricted Working Space, Add	74.00	
26 05 33 13-1232 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,085.26	1,085.26	164.45
For Elevated Installation >10' To 15', Add	32.89	
For Elevated Installation >15' To 20', Add	65.78	
For Elevated Installation >20' To 25', Add	82.22	
For Elevated Installation >25' To 30', Add	115.11	
For Elevated Installation >30' To 35', Add	131.56	
For Elevated Installation >35' To 40', Add	164.45	
For Elevated Installation >40', Add	180.89	
For Work In Restricted Working Space, Add	98.67	
26 05 33 13-1233 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,559.22	1,559.22	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-1234 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,894.62	1,894.62	250.32
For Elevated Installation >10' To 15', Add	50.07	
For Elevated Installation >15' To 20', Add	100.13	
For Elevated Installation >20' To 25', Add	125.16	
For Elevated Installation >25' To 30', Add	175.23	
For Elevated Installation >30' To 35', Add	200.26	
For Elevated Installation >35' To 40', Add	250.33	
For Elevated Installation >40', Add	275.36	
For Work In Restricted Working Space, Add	150.20	
26 05 33 13-1235 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....311.75	311.75	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	
26 05 33 13-1236 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....351.25	351.25	66.69
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.36	
For Work In Restricted Working Space, Add	40.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1237 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	473.85	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	
26 05 33 13-1238 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	554.20	87.71
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.71	
For Elevated Installation >40', Add	96.48	
For Work In Restricted Working Space, Add	52.62	
26 05 33 13-1239 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	827.73	123.34
For Elevated Installation >10' To 15', Add	24.67	
For Elevated Installation >15' To 20', Add	49.33	
For Elevated Installation >20' To 25', Add	61.67	
For Elevated Installation >25' To 30', Add	86.33	
For Elevated Installation >30' To 35', Add	98.67	
For Elevated Installation >35' To 40', Add	123.34	
For Elevated Installation >40', Add	135.67	
For Work In Restricted Working Space, Add	74.00	
26 05 33 13-1240 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,085.26	164.45
For Elevated Installation >10' To 15', Add	32.89	
For Elevated Installation >15' To 20', Add	65.78	
For Elevated Installation >20' To 25', Add	82.22	
For Elevated Installation >25' To 30', Add	115.11	
For Elevated Installation >30' To 35', Add	131.56	
For Elevated Installation >35' To 40', Add	164.45	
For Elevated Installation >40', Add	180.89	
For Work In Restricted Working Space, Add	98.67	
26 05 33 13-1241 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,559.22	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-1242 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,894.62	250.32
For Elevated Installation >10' To 15', Add	50.07	
For Elevated Installation >15' To 20', Add	100.13	
For Elevated Installation >20' To 25', Add	125.16	
For Elevated Installation >25' To 30', Add	175.23	
For Elevated Installation >30' To 35', Add	200.26	
For Elevated Installation >35' To 40', Add	250.33	
For Elevated Installation >40', Add	275.36	
For Work In Restricted Working Space, Add	150.20	
26 05 33 13-1243 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	311.75	57.56
For Elevated Installation >10' To 15', Add	11.51	
For Elevated Installation >15' To 20', Add	23.02	
For Elevated Installation >20' To 25', Add	28.78	
For Elevated Installation >25' To 30', Add	40.29	
For Elevated Installation >30' To 35', Add	46.04	
For Elevated Installation >35' To 40', Add	57.56	
For Elevated Installation >40', Add	63.31	
For Work In Restricted Working Space, Add	34.53	
26 05 33 13-1244 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	351.25	66.69
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.36	
For Work In Restricted Working Space, Add	40.02	
26 05 33 13-1245 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	475.06	73.09
For Elevated Installation >10' To 15', Add	14.62	
For Elevated Installation >15' To 20', Add	29.23	
For Elevated Installation >20' To 25', Add	36.54	
For Elevated Installation >25' To 30', Add	51.16	
For Elevated Installation >30' To 35', Add	58.47	
For Elevated Installation >35' To 40', Add	73.09	
For Elevated Installation >40', Add	80.39	
For Work In Restricted Working Space, Add	43.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1246 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	560.77	87.71
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.71	
For Elevated Installation >40', Add	96.48	
For Work In Restricted Working Space, Add	52.62	
26 05 33 13-1247 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	816.49	123.34
For Elevated Installation >10' To 15', Add	24.67	
For Elevated Installation >15' To 20', Add	49.33	
For Elevated Installation >20' To 25', Add	61.67	
For Elevated Installation >25' To 30', Add	86.33	
For Elevated Installation >30' To 35', Add	98.67	
For Elevated Installation >35' To 40', Add	123.34	
For Elevated Installation >40', Add	135.67	
For Work In Restricted Working Space, Add	74.00	
26 05 33 13-1248 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,034.85	164.45
For Elevated Installation >10' To 15', Add	32.89	
For Elevated Installation >15' To 20', Add	65.78	
For Elevated Installation >20' To 25', Add	82.22	
For Elevated Installation >25' To 30', Add	115.11	
For Elevated Installation >30' To 35', Add	131.56	
For Elevated Installation >35' To 40', Add	164.45	
For Elevated Installation >40', Add	180.89	
For Work In Restricted Working Space, Add	98.67	
26 05 33 13-1249 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,498.37	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-1250 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,872.51	250.32
For Elevated Installation >10' To 15', Add	50.07	
For Elevated Installation >15' To 20', Add	100.13	
For Elevated Installation >20' To 25', Add	125.16	
For Elevated Installation >25' To 30', Add	175.23	
For Elevated Installation >30' To 35', Add	200.26	
For Elevated Installation >35' To 40', Add	250.33	
For Elevated Installation >40', Add	275.36	
For Work In Restricted Working Space, Add	150.20	
26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0848)		
26 05 33 13-1252 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	144.56	8.23
For Elevated Installation >10' To 15', Add	1.64	
For Elevated Installation >15' To 20', Add	3.29	
For Elevated Installation >20' To 25', Add	4.11	
For Elevated Installation >25' To 30', Add	5.75	
For Elevated Installation >30' To 35', Add	6.58	
For Elevated Installation >35' To 40', Add	8.22	
For Elevated Installation >40', Add	9.04	
For Work In Restricted Working Space, Add	4.93	
26 05 33 13-1253 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	146.40	9.14
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.40	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Work In Restricted Working Space, Add	5.48	
26 05 33 13-1254 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	206.88	12.79
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.40	
For Elevated Installation >25' To 30', Add	8.95	
For Elevated Installation >30' To 35', Add	10.23	
For Elevated Installation >35' To 40', Add	12.79	
For Elevated Installation >40', Add	14.07	
For Work In Restricted Working Space, Add	7.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1255 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	210.54	14.62
<i>For Elevated Installation >10' To 15', Add</i>	2.92	
<i>For Elevated Installation >15' To 20', Add</i>	5.85	
<i>For Elevated Installation >20' To 25', Add</i>	7.31	
<i>For Elevated Installation >25' To 30', Add</i>	10.23	
<i>For Elevated Installation >30' To 35', Add</i>	11.70	
<i>For Elevated Installation >35' To 40', Add</i>	14.62	
<i>For Elevated Installation >40', Add</i>	16.08	
<i>For Work In Restricted Working Space, Add</i>	8.77	
26 05 33 13-1256 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	363.71	17.35
<i>For Elevated Installation >10' To 15', Add</i>	3.47	
<i>For Elevated Installation >15' To 20', Add</i>	6.94	
<i>For Elevated Installation >20' To 25', Add</i>	8.68	
<i>For Elevated Installation >25' To 30', Add</i>	12.15	
<i>For Elevated Installation >30' To 35', Add</i>	13.89	
<i>For Elevated Installation >35' To 40', Add</i>	17.36	
<i>For Elevated Installation >40', Add</i>	19.10	
<i>For Work In Restricted Working Space, Add</i>	10.42	
26 05 33 13-1257 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	372.84	21.92
<i>For Elevated Installation >10' To 15', Add</i>	4.39	
<i>For Elevated Installation >15' To 20', Add</i>	8.77	
<i>For Elevated Installation >20' To 25', Add</i>	10.96	
<i>For Elevated Installation >25' To 30', Add</i>	15.35	
<i>For Elevated Installation >30' To 35', Add</i>	17.54	
<i>For Elevated Installation >35' To 40', Add</i>	21.93	
<i>For Elevated Installation >40', Add</i>	24.12	
<i>For Work In Restricted Working Space, Add</i>	13.16	
26 05 33 13-1258 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	557.27	24.67
<i>For Elevated Installation >10' To 15', Add</i>	4.93	
<i>For Elevated Installation >15' To 20', Add</i>	9.87	
<i>For Elevated Installation >20' To 25', Add</i>	12.33	
<i>For Elevated Installation >25' To 30', Add</i>	17.27	
<i>For Elevated Installation >30' To 35', Add</i>	19.73	
<i>For Elevated Installation >35' To 40', Add</i>	24.67	
<i>For Elevated Installation >40', Add</i>	27.13	
<i>For Work In Restricted Working Space, Add</i>	14.80	
26 05 33 13-1259 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	571.89	31.97
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.79	
<i>For Elevated Installation >20' To 25', Add</i>	15.99	
<i>For Elevated Installation >25' To 30', Add</i>	22.38	
<i>For Elevated Installation >30' To 35', Add</i>	25.58	
<i>For Elevated Installation >35' To 40', Add</i>	31.98	
<i>For Elevated Installation >40', Add</i>	35.17	
<i>For Work In Restricted Working Space, Add</i>	19.19	
26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0848)</small>		
26 05 33 13-1261 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	253.39	22.84
<i>For Elevated Installation >10' To 15', Add</i>	4.57	
<i>For Elevated Installation >15' To 20', Add</i>	9.14	
<i>For Elevated Installation >20' To 25', Add</i>	11.42	
<i>For Elevated Installation >25' To 30', Add</i>	15.99	
<i>For Elevated Installation >30' To 35', Add</i>	18.27	
<i>For Elevated Installation >35' To 40', Add</i>	22.84	
<i>For Elevated Installation >40', Add</i>	25.12	
<i>For Work In Restricted Working Space, Add</i>	13.70	
26 05 33 13-1262 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	300.06	28.32
<i>For Elevated Installation >10' To 15', Add</i>	5.66	
<i>For Elevated Installation >15' To 20', Add</i>	11.33	
<i>For Elevated Installation >20' To 25', Add</i>	14.16	
<i>For Elevated Installation >25' To 30', Add</i>	19.82	
<i>For Elevated Installation >30' To 35', Add</i>	22.66	
<i>For Elevated Installation >35' To 40', Add</i>	28.32	
<i>For Elevated Installation >40', Add</i>	31.15	
<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1263 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	355.79	34.72
<i>For Elevated Installation >10' To 15', Add</i>	6.94	
<i>For Elevated Installation >15' To 20', Add</i>	13.89	
<i>For Elevated Installation >20' To 25', Add</i>	17.36	
<i>For Elevated Installation >25' To 30', Add</i>	24.30	
<i>For Elevated Installation >30' To 35', Add</i>	27.77	
<i>For Elevated Installation >35' To 40', Add</i>	34.72	
<i>For Elevated Installation >40', Add</i>	38.19	
<i>For Work In Restricted Working Space, Add</i>	20.83	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1264 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	437.00	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-1265 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	580.07	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-1266 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	796.47	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1267 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,133.04	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-1268 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,412.69	85.87
For Elevated Installation >10' To 15', Add	17.18	
For Elevated Installation >15' To 20', Add	34.35	
For Elevated Installation >20' To 25', Add	42.94	
For Elevated Installation >25' To 30', Add	60.11	
For Elevated Installation >30' To 35', Add	68.70	
For Elevated Installation >35' To 40', Add	85.88	
For Elevated Installation >40', Add	94.46	
For Work In Restricted Working Space, Add	51.53	
26 05 33 13-1269 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,969.99	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-1270 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,277.87	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0848)</small>		
26 05 33 13-1272 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	395.69	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	413.25	28.32
<i>For Elevated Installation >10' To 15', Add</i>	5.66	
<i>For Elevated Installation >15' To 20', Add</i>	11.33	
<i>For Elevated Installation >20' To 25', Add</i>	14.16	
<i>For Elevated Installation >25' To 30', Add</i>	19.82	
<i>For Elevated Installation >30' To 35', Add</i>	22.66	
<i>For Elevated Installation >35' To 40', Add</i>	28.32	
<i>For Elevated Installation >40', Add</i>	31.15	
<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1274 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	465.62	34.72
<i>For Elevated Installation >10' To 15', Add</i>	6.94	
<i>For Elevated Installation >15' To 20', Add</i>	13.89	
<i>For Elevated Installation >20' To 25', Add</i>	17.36	
<i>For Elevated Installation >25' To 30', Add</i>	24.30	
<i>For Elevated Installation >30' To 35', Add</i>	27.77	
<i>For Elevated Installation >35' To 40', Add</i>	34.72	
<i>For Elevated Installation >40', Add</i>	38.19	
<i>For Work In Restricted Working Space, Add</i>	20.83	
26 05 33 13-1275 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	562.50	40.20
<i>For Elevated Installation >10' To 15', Add</i>	8.04	
<i>For Elevated Installation >15' To 20', Add</i>	16.08	
<i>For Elevated Installation >20' To 25', Add</i>	20.10	
<i>For Elevated Installation >25' To 30', Add</i>	28.14	
<i>For Elevated Installation >30' To 35', Add</i>	32.16	
<i>For Elevated Installation >35' To 40', Add</i>	40.20	
<i>For Elevated Installation >40', Add</i>	44.21	
<i>For Work In Restricted Working Space, Add</i>	24.12	
26 05 33 13-1276 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	680.27	45.68
<i>For Elevated Installation >10' To 15', Add</i>	9.14	
<i>For Elevated Installation >15' To 20', Add</i>	18.27	
<i>For Elevated Installation >20' To 25', Add</i>	22.84	
<i>For Elevated Installation >25' To 30', Add</i>	31.98	
<i>For Elevated Installation >30' To 35', Add</i>	36.54	
<i>For Elevated Installation >35' To 40', Add</i>	45.68	
<i>For Elevated Installation >40', Add</i>	50.25	
<i>For Work In Restricted Working Space, Add</i>	27.41	
26 05 33 13-1277 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	865.46	50.25
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.12	
<i>For Elevated Installation >25' To 30', Add</i>	35.17	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.27	
<i>For Work In Restricted Working Space, Add</i>	30.15	
26 05 33 13-1278 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,272.00	63.04
<i>For Elevated Installation >10' To 15', Add</i>	12.61	
<i>For Elevated Installation >15' To 20', Add</i>	25.21	
<i>For Elevated Installation >20' To 25', Add</i>	31.52	
<i>For Elevated Installation >25' To 30', Add</i>	44.12	
<i>For Elevated Installation >30' To 35', Add</i>	50.43	
<i>For Elevated Installation >35' To 40', Add</i>	63.04	
<i>For Elevated Installation >40', Add</i>	69.34	
<i>For Work In Restricted Working Space, Add</i>	37.82	
26 05 33 13-1279 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,598.39	85.87
<i>For Elevated Installation >10' To 15', Add</i>	17.18	
<i>For Elevated Installation >15' To 20', Add</i>	34.35	
<i>For Elevated Installation >20' To 25', Add</i>	42.94	
<i>For Elevated Installation >25' To 30', Add</i>	60.11	
<i>For Elevated Installation >30' To 35', Add</i>	68.70	
<i>For Elevated Installation >35' To 40', Add</i>	85.88	
<i>For Elevated Installation >40', Add</i>	94.46	
<i>For Work In Restricted Working Space, Add</i>	51.53	
26 05 33 13-1280 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,029.94	96.84
<i>For Elevated Installation >10' To 15', Add</i>	19.37	
<i>For Elevated Installation >15' To 20', Add</i>	38.74	
<i>For Elevated Installation >20' To 25', Add</i>	48.42	
<i>For Elevated Installation >25' To 30', Add</i>	67.79	
<i>For Elevated Installation >30' To 35', Add</i>	77.47	
<i>For Elevated Installation >35' To 40', Add</i>	96.84	
<i>For Elevated Installation >40', Add</i>	106.52	
<i>For Work In Restricted Working Space, Add</i>	58.10	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,543.38	126.07
		<i>For Elevated Installation >10' To 15', Add</i>	25.22	
		<i>For Elevated Installation >15' To 20', Add</i>	50.43	
		<i>For Elevated Installation >20' To 25', Add</i>	63.04	
		<i>For Elevated Installation >25' To 30', Add</i>	88.25	
		<i>For Elevated Installation >30' To 35', Add</i>	100.86	
		<i>For Elevated Installation >35' To 40', Add</i>	126.08	
		<i>For Elevated Installation >40', Add</i>	138.68	
		<i>For Work In Restricted Working Space, Add</i>	75.65	
26 05 33 13-1282		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs <small>(26 05 33 13-0848)</small>		
26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	85.47	10.96
		<i>For Elevated Installation >10' To 15', Add</i>	2.19	
		<i>For Elevated Installation >15' To 20', Add</i>	4.38	
		<i>For Elevated Installation >20' To 25', Add</i>	5.48	
		<i>For Elevated Installation >25' To 30', Add</i>	7.67	
		<i>For Elevated Installation >30' To 35', Add</i>	8.77	
		<i>For Elevated Installation >35' To 40', Add</i>	10.96	
		<i>For Elevated Installation >40', Add</i>	12.06	
		<i>For Work In Restricted Working Space, Add</i>	6.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	93.63	13.71
		<i>For Elevated Installation >10' To 15', Add</i>	2.74	
		<i>For Elevated Installation >15' To 20', Add</i>	5.48	
		<i>For Elevated Installation >20' To 25', Add</i>	6.85	
		<i>For Elevated Installation >25' To 30', Add</i>	9.59	
		<i>For Elevated Installation >30' To 35', Add</i>	10.96	
		<i>For Elevated Installation >35' To 40', Add</i>	13.70	
		<i>For Elevated Installation >40', Add</i>	15.07	
		<i>For Work In Restricted Working Space, Add</i>	8.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.22	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	103.74	16.44
		<i>For Elevated Installation >10' To 15', Add</i>	3.29	
		<i>For Elevated Installation >15' To 20', Add</i>	6.58	
		<i>For Elevated Installation >20' To 25', Add</i>	8.22	
		<i>For Elevated Installation >25' To 30', Add</i>	11.51	
		<i>For Elevated Installation >30' To 35', Add</i>	13.16	
		<i>For Elevated Installation >35' To 40', Add</i>	16.45	
		<i>For Elevated Installation >40', Add</i>	18.09	
		<i>For Work In Restricted Working Space, Add</i>	9.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	118.15	20.10
		<i>For Elevated Installation >10' To 15', Add</i>	4.02	
		<i>For Elevated Installation >15' To 20', Add</i>	8.04	
		<i>For Elevated Installation >20' To 25', Add</i>	10.05	
		<i>For Elevated Installation >25' To 30', Add</i>	14.07	
		<i>For Elevated Installation >30' To 35', Add</i>	16.08	
		<i>For Elevated Installation >35' To 40', Add</i>	20.10	
		<i>For Elevated Installation >40', Add</i>	22.11	
		<i>For Work In Restricted Working Space, Add</i>	12.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.06	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	156.71	22.84
		<i>For Elevated Installation >10' To 15', Add</i>	4.57	
		<i>For Elevated Installation >15' To 20', Add</i>	9.14	
		<i>For Elevated Installation >20' To 25', Add</i>	11.42	
		<i>For Elevated Installation >25' To 30', Add</i>	15.99	
		<i>For Elevated Installation >30' To 35', Add</i>	18.27	
		<i>For Elevated Installation >35' To 40', Add</i>	22.84	
		<i>For Elevated Installation >40', Add</i>	25.12	
		<i>For Work In Restricted Working Space, Add</i>	13.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70	
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	190.27	25.58
		<i>For Elevated Installation >10' To 15', Add</i>	5.12	
		<i>For Elevated Installation >15' To 20', Add</i>	10.23	
		<i>For Elevated Installation >20' To 25', Add</i>	12.79	
		<i>For Elevated Installation >25' To 30', Add</i>	17.91	
		<i>For Elevated Installation >30' To 35', Add</i>	20.46	
		<i>For Elevated Installation >35' To 40', Add</i>	25.58	
		<i>For Elevated Installation >40', Add</i>	28.14	
		<i>For Work In Restricted Working Space, Add</i>	15.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.35	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	269.92	31.97
		<i>For Elevated Installation >10' To 15', Add</i>	6.40	
		<i>For Elevated Installation >15' To 20', Add</i>	12.79	
		<i>For Elevated Installation >20' To 25', Add</i>	15.99	
		<i>For Elevated Installation >25' To 30', Add</i>	22.38	
		<i>For Elevated Installation >30' To 35', Add</i>	25.58	
		<i>For Elevated Installation >35' To 40', Add</i>	31.98	
		<i>For Elevated Installation >40', Add</i>	35.17	
		<i>For Work In Restricted Working Space, Add</i>	19.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.01 8.59 17.18 21.47 30.06 34.35 42.94 47.23 25.76 25.76	42.94
26 05 33 13-1291 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.36 9.68 19.37 24.21 33.89 38.74 48.42 53.26 29.05 29.05	48.42
26 05 33 13-1292 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.77 12.61 25.21 31.52 44.12 50.43 63.04 69.34 37.82 37.82	63.04
26 05 33 13-1293 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	713.67 20.46 40.93 51.16 71.62 81.86 102.32 112.55 61.39 61.39	102.32
26 05 33 13-1294 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,076.37 30.88 61.76 77.20 108.08 123.52 154.40 169.83 92.64 92.64	154.40
26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0848)</small>		
26 05 33 13-1296 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.90 2.19 4.38 5.48 7.67 8.77 10.96 12.06 6.58 6.58	10.96
26 05 33 13-1297 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.35 2.74 5.48 6.85 9.59 10.96 13.70 15.07 8.22 8.22	13.71
26 05 33 13-1298 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.35 3.29 6.58 8.22 11.51 13.16 16.45 18.09 9.87 9.87	16.44

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	166.67	20.10
			<i>For Elevated Installation >10' To 15', Add</i>	4.02	
			<i>For Elevated Installation >15' To 20', Add</i>	8.04	
			<i>For Elevated Installation >20' To 25', Add</i>	10.05	
			<i>For Elevated Installation >25' To 30', Add</i>	14.07	
			<i>For Elevated Installation >30' To 35', Add</i>	16.08	
			<i>For Elevated Installation >35' To 40', Add</i>	20.10	
			<i>For Elevated Installation >40', Add</i>	22.11	
			<i>For Work In Restricted Working Space, Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.06	
26 05 33	13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	179.62	22.84
			<i>For Elevated Installation >10' To 15', Add</i>	4.57	
			<i>For Elevated Installation >15' To 20', Add</i>	9.14	
			<i>For Elevated Installation >20' To 25', Add</i>	11.42	
			<i>For Elevated Installation >25' To 30', Add</i>	15.99	
			<i>For Elevated Installation >30' To 35', Add</i>	18.27	
			<i>For Elevated Installation >35' To 40', Add</i>	22.84	
			<i>For Elevated Installation >40', Add</i>	25.12	
			<i>For Work In Restricted Working Space, Add</i>	13.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70	
26 05 33	13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	203.03	25.58
			<i>For Elevated Installation >10' To 15', Add</i>	5.12	
			<i>For Elevated Installation >15' To 20', Add</i>	10.23	
			<i>For Elevated Installation >20' To 25', Add</i>	12.79	
			<i>For Elevated Installation >25' To 30', Add</i>	17.91	
			<i>For Elevated Installation >30' To 35', Add</i>	20.46	
			<i>For Elevated Installation >35' To 40', Add</i>	25.58	
			<i>For Elevated Installation >40', Add</i>	28.14	
			<i>For Work In Restricted Working Space, Add</i>	15.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.35	
26 05 33	13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	305.73	31.97
			<i>For Elevated Installation >10' To 15', Add</i>	6.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.79	
			<i>For Elevated Installation >20' To 25', Add</i>	15.99	
			<i>For Elevated Installation >25' To 30', Add</i>	22.38	
			<i>For Elevated Installation >30' To 35', Add</i>	25.58	
			<i>For Elevated Installation >35' To 40', Add</i>	31.98	
			<i>For Elevated Installation >40', Add</i>	35.17	
			<i>For Work In Restricted Working Space, Add</i>	19.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.19	
26 05 33	13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	368.45	42.94
			<i>For Elevated Installation >10' To 15', Add</i>	8.59	
			<i>For Elevated Installation >15' To 20', Add</i>	17.18	
			<i>For Elevated Installation >20' To 25', Add</i>	21.47	
			<i>For Elevated Installation >25' To 30', Add</i>	30.06	
			<i>For Elevated Installation >30' To 35', Add</i>	34.35	
			<i>For Elevated Installation >35' To 40', Add</i>	42.94	
			<i>For Elevated Installation >40', Add</i>	47.23	
			<i>For Work In Restricted Working Space, Add</i>	25.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.76	
26 05 33	13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	450.69	48.42
			<i>For Elevated Installation >10' To 15', Add</i>	9.68	
			<i>For Elevated Installation >15' To 20', Add</i>	19.37	
			<i>For Elevated Installation >20' To 25', Add</i>	24.21	
			<i>For Elevated Installation >25' To 30', Add</i>	33.89	
			<i>For Elevated Installation >30' To 35', Add</i>	38.74	
			<i>For Elevated Installation >35' To 40', Add</i>	48.42	
			<i>For Elevated Installation >40', Add</i>	53.26	
			<i>For Work In Restricted Working Space, Add</i>	29.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.05	
26 05 33	13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	585.30	63.04
			<i>For Elevated Installation >10' To 15', Add</i>	12.61	
			<i>For Elevated Installation >15' To 20', Add</i>	25.21	
			<i>For Elevated Installation >20' To 25', Add</i>	31.52	
			<i>For Elevated Installation >25' To 30', Add</i>	44.12	
			<i>For Elevated Installation >30' To 35', Add</i>	50.43	
			<i>For Elevated Installation >35' To 40', Add</i>	63.04	
			<i>For Elevated Installation >40', Add</i>	69.34	
			<i>For Work In Restricted Working Space, Add</i>	37.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.82	
26 05 33	13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	912.78	102.32
			<i>For Elevated Installation >10' To 15', Add</i>	20.46	
			<i>For Elevated Installation >15' To 20', Add</i>	40.93	
			<i>For Elevated Installation >20' To 25', Add</i>	51.16	
			<i>For Elevated Installation >25' To 30', Add</i>	71.62	
			<i>For Elevated Installation >30' To 35', Add</i>	81.86	
			<i>For Elevated Installation >35' To 40', Add</i>	102.32	
			<i>For Elevated Installation >40', Add</i>	112.55	
			<i>For Work In Restricted Working Space, Add</i>	61.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,486.69	154.40
<i>For Elevated Installation >10' To 15', Add</i>	30.88	
<i>For Elevated Installation >15' To 20', Add</i>	61.76	
<i>For Elevated Installation >20' To 25', Add</i>	77.20	
<i>For Elevated Installation >25' To 30', Add</i>	108.08	
<i>For Elevated Installation >30' To 35', Add</i>	123.52	
<i>For Elevated Installation >35' To 40', Add</i>	154.40	
<i>For Elevated Installation >40', Add</i>	169.83	
<i>For Work In Restricted Working Space, Add</i>	92.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.64	
26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0848)</small>		
26 05 33 13-1309 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	134.88	10.96
<i>For Elevated Installation >10' To 15', Add</i>	2.19	
<i>For Elevated Installation >15' To 20', Add</i>	4.38	
<i>For Elevated Installation >20' To 25', Add</i>	5.48	
<i>For Elevated Installation >25' To 30', Add</i>	7.67	
<i>For Elevated Installation >30' To 35', Add</i>	8.77	
<i>For Elevated Installation >35' To 40', Add</i>	10.96	
<i>For Elevated Installation >40', Add</i>	12.06	
<i>For Work In Restricted Working Space, Add</i>	6.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-1310 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	142.88	13.71
<i>For Elevated Installation >10' To 15', Add</i>	2.74	
<i>For Elevated Installation >15' To 20', Add</i>	5.48	
<i>For Elevated Installation >20' To 25', Add</i>	6.85	
<i>For Elevated Installation >25' To 30', Add</i>	9.59	
<i>For Elevated Installation >30' To 35', Add</i>	10.96	
<i>For Elevated Installation >35' To 40', Add</i>	13.70	
<i>For Elevated Installation >40', Add</i>	15.07	
<i>For Work In Restricted Working Space, Add</i>	8.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.22	
26 05 33 13-1311 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	154.26	16.44
<i>For Elevated Installation >10' To 15', Add</i>	3.29	
<i>For Elevated Installation >15' To 20', Add</i>	6.58	
<i>For Elevated Installation >20' To 25', Add</i>	8.22	
<i>For Elevated Installation >25' To 30', Add</i>	11.51	
<i>For Elevated Installation >30' To 35', Add</i>	13.16	
<i>For Elevated Installation >35' To 40', Add</i>	16.45	
<i>For Elevated Installation >40', Add</i>	18.09	
<i>For Work In Restricted Working Space, Add</i>	9.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 05 33 13-1312 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	193.73	20.10
<i>For Elevated Installation >10' To 15', Add</i>	4.02	
<i>For Elevated Installation >15' To 20', Add</i>	8.04	
<i>For Elevated Installation >20' To 25', Add</i>	10.05	
<i>For Elevated Installation >25' To 30', Add</i>	14.07	
<i>For Elevated Installation >30' To 35', Add</i>	16.08	
<i>For Elevated Installation >35' To 40', Add</i>	20.10	
<i>For Elevated Installation >40', Add</i>	22.11	
<i>For Work In Restricted Working Space, Add</i>	12.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.06	
26 05 33 13-1313 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	212.29	22.84
<i>For Elevated Installation >10' To 15', Add</i>	4.57	
<i>For Elevated Installation >15' To 20', Add</i>	9.14	
<i>For Elevated Installation >20' To 25', Add</i>	11.42	
<i>For Elevated Installation >25' To 30', Add</i>	15.99	
<i>For Elevated Installation >30' To 35', Add</i>	18.27	
<i>For Elevated Installation >35' To 40', Add</i>	22.84	
<i>For Elevated Installation >40', Add</i>	25.12	
<i>For Work In Restricted Working Space, Add</i>	13.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70	
26 05 33 13-1314 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	225.57	25.58
<i>For Elevated Installation >10' To 15', Add</i>	5.12	
<i>For Elevated Installation >15' To 20', Add</i>	10.23	
<i>For Elevated Installation >20' To 25', Add</i>	12.79	
<i>For Elevated Installation >25' To 30', Add</i>	17.91	
<i>For Elevated Installation >30' To 35', Add</i>	20.46	
<i>For Elevated Installation >35' To 40', Add</i>	25.58	
<i>For Elevated Installation >40', Add</i>	28.14	
<i>For Work In Restricted Working Space, Add</i>	15.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.35	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions (26 05 33 13-0848)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	108.05	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
26 05 33 13-1317 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	120.14	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.66	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	
26 05 33 13-1318 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	154.56	34.72
For Elevated Installation >10' To 15', Add	6.94	
For Elevated Installation >15' To 20', Add	13.89	
For Elevated Installation >20' To 25', Add	17.36	
For Elevated Installation >25' To 30', Add	24.30	
For Elevated Installation >30' To 35', Add	27.77	
For Elevated Installation >35' To 40', Add	34.72	
For Elevated Installation >40', Add	38.19	
For Work In Restricted Working Space, Add	20.83	
26 05 33 13-1319 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	217.40	40.20
For Elevated Installation >10' To 15', Add	8.04	
For Elevated Installation >15' To 20', Add	16.08	
For Elevated Installation >20' To 25', Add	20.10	
For Elevated Installation >25' To 30', Add	28.14	
For Elevated Installation >30' To 35', Add	32.16	
For Elevated Installation >35' To 40', Add	40.20	
For Elevated Installation >40', Add	44.21	
For Work In Restricted Working Space, Add	24.12	
26 05 33 13-1320 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	256.61	45.68
For Elevated Installation >10' To 15', Add	9.14	
For Elevated Installation >15' To 20', Add	18.27	
For Elevated Installation >20' To 25', Add	22.84	
For Elevated Installation >25' To 30', Add	31.98	
For Elevated Installation >30' To 35', Add	36.54	
For Elevated Installation >35' To 40', Add	45.68	
For Elevated Installation >40', Add	50.25	
For Work In Restricted Working Space, Add	27.41	
26 05 33 13-1321 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	320.72	50.25
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.12	
For Elevated Installation >25' To 30', Add	35.17	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.27	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1322 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	424.22	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-1323 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	537.12	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-1324 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	703.55	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	906.84	126.07
<i>For Elevated Installation >10' To 15', Add</i>	25.22	
<i>For Elevated Installation >15' To 20', Add</i>	50.43	
<i>For Elevated Installation >20' To 25', Add</i>	63.04	
<i>For Elevated Installation >25' To 30', Add</i>	88.25	
<i>For Elevated Installation >30' To 35', Add</i>	100.86	
<i>For Elevated Installation >35' To 40', Add</i>	126.08	
<i>For Elevated Installation >40', Add</i>	138.68	
<i>For Work In Restricted Working Space, Add</i>	75.65	
26 05 33 13-1326 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,634.80	205.55
<i>For Elevated Installation >10' To 15', Add</i>	41.11	
<i>For Elevated Installation >15' To 20', Add</i>	82.22	
<i>For Elevated Installation >20' To 25', Add</i>	102.78	
<i>For Elevated Installation >25' To 30', Add</i>	143.89	
<i>For Elevated Installation >30' To 35', Add</i>	164.44	
<i>For Elevated Installation >35' To 40', Add</i>	205.56	
<i>For Elevated Installation >40', Add</i>	226.11	
<i>For Work In Restricted Working Space, Add</i>	123.33	
26 05 33 13-1327 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	2,074.98	308.79
<i>For Elevated Installation >10' To 15', Add</i>	61.76	
<i>For Elevated Installation >15' To 20', Add</i>	123.52	
<i>For Elevated Installation >20' To 25', Add</i>	154.40	
<i>For Elevated Installation >25' To 30', Add</i>	216.15	
<i>For Elevated Installation >30' To 35', Add</i>	247.03	
<i>For Elevated Installation >35' To 40', Add</i>	308.79	
<i>For Elevated Installation >40', Add</i>	339.67	
<i>For Work In Restricted Working Space, Add</i>	185.27	
26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0848)</small>		
26 05 33 13-1329 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	110.15	22.84
<i>For Elevated Installation >10' To 15', Add</i>	4.57	
<i>For Elevated Installation >15' To 20', Add</i>	9.14	
<i>For Elevated Installation >20' To 25', Add</i>	11.42	
<i>For Elevated Installation >25' To 30', Add</i>	15.99	
<i>For Elevated Installation >30' To 35', Add</i>	18.27	
<i>For Elevated Installation >35' To 40', Add</i>	22.84	
<i>For Elevated Installation >40', Add</i>	25.12	
<i>For Work In Restricted Working Space, Add</i>	13.70	
26 05 33 13-1330 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	128.16	28.32
<i>For Elevated Installation >10' To 15', Add</i>	5.66	
<i>For Elevated Installation >15' To 20', Add</i>	11.33	
<i>For Elevated Installation >20' To 25', Add</i>	14.16	
<i>For Elevated Installation >25' To 30', Add</i>	19.82	
<i>For Elevated Installation >30' To 35', Add</i>	22.66	
<i>For Elevated Installation >35' To 40', Add</i>	28.32	
<i>For Elevated Installation >40', Add</i>	31.15	
<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1331 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	158.83	34.72
<i>For Elevated Installation >10' To 15', Add</i>	6.94	
<i>For Elevated Installation >15' To 20', Add</i>	13.89	
<i>For Elevated Installation >20' To 25', Add</i>	17.36	
<i>For Elevated Installation >25' To 30', Add</i>	24.30	
<i>For Elevated Installation >30' To 35', Add</i>	27.77	
<i>For Elevated Installation >35' To 40', Add</i>	34.72	
<i>For Elevated Installation >40', Add</i>	38.19	
<i>For Work In Restricted Working Space, Add</i>	20.83	
26 05 33 13-1332 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	225.25	40.20
<i>For Elevated Installation >10' To 15', Add</i>	8.04	
<i>For Elevated Installation >15' To 20', Add</i>	16.08	
<i>For Elevated Installation >20' To 25', Add</i>	20.10	
<i>For Elevated Installation >25' To 30', Add</i>	28.14	
<i>For Elevated Installation >30' To 35', Add</i>	32.16	
<i>For Elevated Installation >35' To 40', Add</i>	40.20	
<i>For Elevated Installation >40', Add</i>	44.21	
<i>For Work In Restricted Working Space, Add</i>	24.12	
26 05 33 13-1333 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	267.51	45.68
<i>For Elevated Installation >10' To 15', Add</i>	9.14	
<i>For Elevated Installation >15' To 20', Add</i>	18.27	
<i>For Elevated Installation >20' To 25', Add</i>	22.84	
<i>For Elevated Installation >25' To 30', Add</i>	31.98	
<i>For Elevated Installation >30' To 35', Add</i>	36.54	
<i>For Elevated Installation >35' To 40', Add</i>	45.68	
<i>For Elevated Installation >40', Add</i>	50.25	
<i>For Work In Restricted Working Space, Add</i>	27.41	
26 05 33 13-1334 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	344.25	50.25
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.12	
<i>For Elevated Installation >25' To 30', Add</i>	35.17	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.27	
<i>For Work In Restricted Working Space, Add</i>	30.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	474.58	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-1336 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	588.32	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.43	
For Elevated Installation >35' To 40', Add	63.04	
For Elevated Installation >40', Add	69.34	
For Work In Restricted Working Space, Add	37.82	
26 05 33 13-1337 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	796.12	96.84
For Elevated Installation >10' To 15', Add	19.37	
For Elevated Installation >15' To 20', Add	38.74	
For Elevated Installation >20' To 25', Add	48.42	
For Elevated Installation >25' To 30', Add	67.79	
For Elevated Installation >30' To 35', Add	77.47	
For Elevated Installation >35' To 40', Add	96.84	
For Elevated Installation >40', Add	106.52	
For Work In Restricted Working Space, Add	58.10	
26 05 33 13-1338 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	999.07	126.07
For Elevated Installation >10' To 15', Add	25.22	
For Elevated Installation >15' To 20', Add	50.43	
For Elevated Installation >20' To 25', Add	63.04	
For Elevated Installation >25' To 30', Add	88.25	
For Elevated Installation >30' To 35', Add	100.86	
For Elevated Installation >35' To 40', Add	126.08	
For Elevated Installation >40', Add	138.68	
For Work In Restricted Working Space, Add	75.65	
26 05 33 13-1339 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,803.87	205.55
For Elevated Installation >10' To 15', Add	41.11	
For Elevated Installation >15' To 20', Add	82.22	
For Elevated Installation >20' To 25', Add	102.78	
For Elevated Installation >25' To 30', Add	143.89	
For Elevated Installation >30' To 35', Add	164.44	
For Elevated Installation >35' To 40', Add	205.56	
For Elevated Installation >40', Add	226.11	
For Work In Restricted Working Space, Add	123.33	
26 05 33 13-1340 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,347.98	308.79
For Elevated Installation >10' To 15', Add	61.76	
For Elevated Installation >15' To 20', Add	123.52	
For Elevated Installation >20' To 25', Add	154.40	
For Elevated Installation >25' To 30', Add	216.15	
For Elevated Installation >30' To 35', Add	247.03	
For Elevated Installation >35' To 40', Add	308.79	
For Elevated Installation >40', Add	339.67	
For Work In Restricted Working Space, Add	185.27	
26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0848)</small>		
26 05 33 13-1342 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	56.80	7.30
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.11	
For Elevated Installation >30' To 35', Add	5.84	
For Elevated Installation >35' To 40', Add	7.31	
For Elevated Installation >40', Add	8.04	
For Work In Restricted Working Space, Add	4.38	
26 05 33 13-1343 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	63.01	9.14
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.40	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Work In Restricted Working Space, Add	5.48	
26 05 33 13-1344 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	70.88	9.14
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.57	
For Elevated Installation >25' To 30', Add	6.40	
For Elevated Installation >30' To 35', Add	7.31	
For Elevated Installation >35' To 40', Add	9.14	
For Elevated Installation >40', Add	10.05	
For Work In Restricted Working Space, Add	5.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1345 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	86.84	10.05
For Elevated Installation >10' To 15', Add	2.01	
For Elevated Installation >15' To 20', Add	4.02	
For Elevated Installation >20' To 25', Add	5.03	
For Elevated Installation >25' To 30', Add	7.04	
For Elevated Installation >30' To 35', Add	8.04	
For Elevated Installation >35' To 40', Add	10.05	
For Elevated Installation >40', Add	11.06	
For Work In Restricted Working Space, Add	6.03	
26 05 33 13-1346 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	91.38	10.05
For Elevated Installation >10' To 15', Add	2.01	
For Elevated Installation >15' To 20', Add	4.02	
For Elevated Installation >20' To 25', Add	5.03	
For Elevated Installation >25' To 30', Add	7.04	
For Elevated Installation >30' To 35', Add	8.04	
For Elevated Installation >35' To 40', Add	10.05	
For Elevated Installation >40', Add	11.06	
For Work In Restricted Working Space, Add	6.03	
26 05 33 13-1347 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	80.47	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.32	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.07	
For Work In Restricted Working Space, Add	7.13	
26 05 33 13-1348 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	90.62	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.32	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.07	
For Work In Restricted Working Space, Add	7.13	
26 05 33 13-1349 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	136.27	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.32	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.07	
For Work In Restricted Working Space, Add	7.13	
26 05 33 13-1350 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	151.77	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
26 05 33 13-1351 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	147.83	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
26 05 33 13-1352 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	155.15	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
26 05 33 13-1353 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	173.57	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	174.10	16.44
<i>For Elevated Installation >10' To 15', Add</i>	3.29	
<i>For Elevated Installation >15' To 20', Add</i>	6.58	
<i>For Elevated Installation >20' To 25', Add</i>	8.22	
<i>For Elevated Installation >25' To 30', Add</i>	11.51	
<i>For Elevated Installation >30' To 35', Add</i>	13.16	
<i>For Elevated Installation >35' To 40', Add</i>	16.45	
<i>For Elevated Installation >40', Add</i>	18.09	
<i>For Work In Restricted Working Space, Add</i>	9.87	
26 05 33 13-1355 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	223.14	22.84
<i>For Elevated Installation >10' To 15', Add</i>	4.57	
<i>For Elevated Installation >15' To 20', Add</i>	9.14	
<i>For Elevated Installation >20' To 25', Add</i>	11.42	
<i>For Elevated Installation >25' To 30', Add</i>	15.99	
<i>For Elevated Installation >30' To 35', Add</i>	18.27	
<i>For Elevated Installation >35' To 40', Add</i>	22.84	
<i>For Elevated Installation >40', Add</i>	25.12	
<i>For Work In Restricted Working Space, Add</i>	13.70	
26 05 33 13-1356 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	324.23	26.49
<i>For Elevated Installation >10' To 15', Add</i>	5.30	
<i>For Elevated Installation >15' To 20', Add</i>	10.60	
<i>For Elevated Installation >20' To 25', Add</i>	13.25	
<i>For Elevated Installation >25' To 30', Add</i>	18.55	
<i>For Elevated Installation >30' To 35', Add</i>	21.20	
<i>For Elevated Installation >35' To 40', Add</i>	26.50	
<i>For Elevated Installation >40', Add</i>	29.14	
<i>For Work In Restricted Working Space, Add</i>	15.90	
26 05 33 13-1357 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	434.47	36.54
<i>For Elevated Installation >10' To 15', Add</i>	7.31	
<i>For Elevated Installation >15' To 20', Add</i>	14.62	
<i>For Elevated Installation >20' To 25', Add</i>	18.28	
<i>For Elevated Installation >25' To 30', Add</i>	25.59	
<i>For Elevated Installation >30' To 35', Add</i>	29.24	
<i>For Elevated Installation >35' To 40', Add</i>	36.55	
<i>For Elevated Installation >40', Add</i>	40.21	
<i>For Work In Restricted Working Space, Add</i>	21.93	
26 05 33 13-1358 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	546.05	50.25
<i>For Elevated Installation >10' To 15', Add</i>	10.05	
<i>For Elevated Installation >15' To 20', Add</i>	20.10	
<i>For Elevated Installation >20' To 25', Add</i>	25.13	
<i>For Elevated Installation >25' To 30', Add</i>	35.18	
<i>For Elevated Installation >30' To 35', Add</i>	40.20	
<i>For Elevated Installation >35' To 40', Add</i>	50.25	
<i>For Elevated Installation >40', Add</i>	55.28	
<i>For Work In Restricted Working Space, Add</i>	30.15	
26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0848)</small>		
26 05 33 13-1360 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.61	10.96
<i>For Elevated Installation >10' To 15', Add</i>	2.19	
<i>For Elevated Installation >15' To 20', Add</i>	4.38	
<i>For Elevated Installation >20' To 25', Add</i>	5.48	
<i>For Elevated Installation >25' To 30', Add</i>	7.67	
<i>For Elevated Installation >30' To 35', Add</i>	8.77	
<i>For Elevated Installation >35' To 40', Add</i>	10.96	
<i>For Elevated Installation >40', Add</i>	12.06	
<i>For Work In Restricted Working Space, Add</i>	6.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-1361 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.43	13.71
<i>For Elevated Installation >10' To 15', Add</i>	2.74	
<i>For Elevated Installation >15' To 20', Add</i>	5.48	
<i>For Elevated Installation >20' To 25', Add</i>	6.85	
<i>For Elevated Installation >25' To 30', Add</i>	9.59	
<i>For Elevated Installation >30' To 35', Add</i>	10.96	
<i>For Elevated Installation >35' To 40', Add</i>	13.70	
<i>For Elevated Installation >40', Add</i>	15.07	
<i>For Work In Restricted Working Space, Add</i>	8.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.22	
26 05 33 13-1362 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.74	17.35
<i>For Elevated Installation >10' To 15', Add</i>	3.47	
<i>For Elevated Installation >15' To 20', Add</i>	6.94	
<i>For Elevated Installation >20' To 25', Add</i>	8.68	
<i>For Elevated Installation >25' To 30', Add</i>	12.15	
<i>For Elevated Installation >30' To 35', Add</i>	13.89	
<i>For Elevated Installation >35' To 40', Add</i>	17.36	
<i>For Elevated Installation >40', Add</i>	19.10	
<i>For Work In Restricted Working Space, Add</i>	10.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.59	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.11	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1364 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.84	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1365 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.72	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.32	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.07	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1366 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.84	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	
26 05 33 13-1367 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.18	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.89	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.10	
For Work In Restricted Working Space, Add	10.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.42	
26 05 33 13-1368 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	66.18	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.11	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1369 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	72.62	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.14	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.99	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1370 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	79.31	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.91	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.14	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1371 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.88	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.31	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.06	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1372 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.01	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	
26 05 33 13-1373 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.48	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.88	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.09	
For Work In Restricted Working Space, Add	10.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.41	
26 05 33 13-1374 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.50	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.10	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1375 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.95	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1376 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.17	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1377 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.17	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.31	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.06	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1378 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.31	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1379 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.95	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.88	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.09	
For Work In Restricted Working Space, Add	10.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.41	
26 05 33 13-1380 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.91	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.10	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1381 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	74.50	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1382 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	82.88	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1383 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	112.47	31.06
For Elevated Installation >10' To 15', Add	6.21	
For Elevated Installation >15' To 20', Add	12.42	
For Elevated Installation >20' To 25', Add	15.53	
For Elevated Installation >25' To 30', Add	21.74	
For Elevated Installation >30' To 35', Add	24.84	
For Elevated Installation >35' To 40', Add	31.06	
For Elevated Installation >40', Add	34.16	
For Work In Restricted Working Space, Add	18.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	
26 05 33 13-1384 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	147.49	42.94
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.17	
For Elevated Installation >20' To 25', Add	21.47	
For Elevated Installation >25' To 30', Add	30.05	
For Elevated Installation >30' To 35', Add	34.35	
For Elevated Installation >35' To 40', Add	42.94	
For Elevated Installation >40', Add	47.23	
For Work In Restricted Working Space, Add	25.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.76	
26 05 33 13-1385 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.34	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.31	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.06	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1386 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.62	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.28	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.88	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.09	
For Work In Restricted Working Space, Add	10.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.41	
26 05 33 13-1388 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.31	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.10	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1389 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	76.04	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1390 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	85.58	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1391 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	114.86	31.06
For Elevated Installation >10' To 15', Add	6.21	
For Elevated Installation >15' To 20', Add	12.42	
For Elevated Installation >20' To 25', Add	15.53	
For Elevated Installation >25' To 30', Add	21.74	
For Elevated Installation >30' To 35', Add	24.84	
For Elevated Installation >35' To 40', Add	31.06	
For Elevated Installation >40', Add	34.16	
For Work In Restricted Working Space, Add	18.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	
26 05 33 13-1392 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.63	42.94
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.17	
For Elevated Installation >20' To 25', Add	21.47	
For Elevated Installation >25' To 30', Add	30.05	
For Elevated Installation >30' To 35', Add	34.35	
For Elevated Installation >35' To 40', Add	42.94	
For Elevated Installation >40', Add	47.23	
For Work In Restricted Working Space, Add	25.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.76	
26 05 33 13-1393 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	180.10	48.42
For Elevated Installation >10' To 15', Add	9.68	
For Elevated Installation >15' To 20', Add	19.37	
For Elevated Installation >20' To 25', Add	24.21	
For Elevated Installation >25' To 30', Add	33.89	
For Elevated Installation >30' To 35', Add	38.73	
For Elevated Installation >35' To 40', Add	48.42	
For Elevated Installation >40', Add	53.26	
For Work In Restricted Working Space, Add	29.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.05	
26 05 33 13-1394 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	215.15	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.66	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.31	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.06	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1396 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.96	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	
26 05 33 13-1397 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.65	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.88	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.09	
For Work In Restricted Working Space, Add	10.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.41	
26 05 33 13-1398 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.96	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.10	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1399 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	76.72	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1400 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	87.06	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1401 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	124.38	31.06
For Elevated Installation >10' To 15', Add	6.21	
For Elevated Installation >15' To 20', Add	12.42	
For Elevated Installation >20' To 25', Add	15.53	
For Elevated Installation >25' To 30', Add	21.74	
For Elevated Installation >30' To 35', Add	24.84	
For Elevated Installation >35' To 40', Add	31.06	
For Elevated Installation >40', Add	34.16	
For Work In Restricted Working Space, Add	18.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	
26 05 33 13-1402 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	160.34	42.94
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.17	
For Elevated Installation >20' To 25', Add	21.47	
For Elevated Installation >25' To 30', Add	30.05	
For Elevated Installation >30' To 35', Add	34.35	
For Elevated Installation >35' To 40', Add	42.94	
For Elevated Installation >40', Add	47.23	
For Work In Restricted Working Space, Add	25.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.76	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	181.74	48.42
For Elevated Installation >10' To 15', Add	9.68	
For Elevated Installation >15' To 20', Add	19.37	
For Elevated Installation >20' To 25', Add	24.21	
For Elevated Installation >25' To 30', Add	33.89	
For Elevated Installation >30' To 35', Add	38.73	
For Elevated Installation >35' To 40', Add	48.42	
For Elevated Installation >40', Add	53.26	
For Work In Restricted Working Space, Add	29.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.05	
26 05 33 13-1404 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	219.55	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	
26 05 33 13-1405 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	318.99	86.79
For Elevated Installation >10' To 15', Add	17.36	
For Elevated Installation >15' To 20', Add	34.71	
For Elevated Installation >20' To 25', Add	43.39	
For Elevated Installation >25' To 30', Add	60.75	
For Elevated Installation >30' To 35', Add	69.43	
For Elevated Installation >35' To 40', Add	86.79	
For Elevated Installation >40', Add	95.46	
For Work In Restricted Working Space, Add	52.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.07	
26 05 33 13-1406 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.26	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.31	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.06	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1407 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.56	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	
26 05 33 13-1408 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.30	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.88	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.09	
For Work In Restricted Working Space, Add	10.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.41	
26 05 33 13-1409 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	71.17	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.10	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1410 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	78.17	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	88.53	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1412 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.04	31.06
For Elevated Installation >10' To 15', Add	6.21	
For Elevated Installation >15' To 20', Add	12.42	
For Elevated Installation >20' To 25', Add	15.53	
For Elevated Installation >25' To 30', Add	21.74	
For Elevated Installation >30' To 35', Add	24.84	
For Elevated Installation >35' To 40', Add	31.06	
For Elevated Installation >40', Add	34.16	
For Work In Restricted Working Space, Add	18.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	
26 05 33 13-1413 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	170.59	42.94
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.17	
For Elevated Installation >20' To 25', Add	21.47	
For Elevated Installation >25' To 30', Add	30.05	
For Elevated Installation >30' To 35', Add	34.35	
For Elevated Installation >35' To 40', Add	42.94	
For Elevated Installation >40', Add	47.23	
For Work In Restricted Working Space, Add	25.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.76	
26 05 33 13-1414 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	190.97	48.42
For Elevated Installation >10' To 15', Add	9.68	
For Elevated Installation >15' To 20', Add	19.37	
For Elevated Installation >20' To 25', Add	24.21	
For Elevated Installation >25' To 30', Add	33.89	
For Elevated Installation >30' To 35', Add	38.73	
For Elevated Installation >35' To 40', Add	48.42	
For Elevated Installation >40', Add	53.26	
For Work In Restricted Working Space, Add	29.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.05	
26 05 33 13-1415 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	235.11	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	
26 05 33 13-1416 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	342.26	86.79
For Elevated Installation >10' To 15', Add	17.36	
For Elevated Installation >15' To 20', Add	34.71	
For Elevated Installation >20' To 25', Add	43.39	
For Elevated Installation >25' To 30', Add	60.75	
For Elevated Installation >30' To 35', Add	69.43	
For Elevated Installation >35' To 40', Add	86.79	
For Elevated Installation >40', Add	95.46	
For Work In Restricted Working Space, Add	52.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.07	
26 05 33 13-1417 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.20	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.31	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.06	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1418 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.48	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.75	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.88	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.09	
For Work In Restricted Working Space, Add	10.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.41	
26 05 33 13-1420 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.48	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.10	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1421 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	81.12	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1422 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	95.73	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1423 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	145.93	31.06
For Elevated Installation >10' To 15', Add	6.21	
For Elevated Installation >15' To 20', Add	12.42	
For Elevated Installation >20' To 25', Add	15.53	
For Elevated Installation >25' To 30', Add	21.74	
For Elevated Installation >30' To 35', Add	24.84	
For Elevated Installation >35' To 40', Add	31.06	
For Elevated Installation >40', Add	34.16	
For Work In Restricted Working Space, Add	18.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	
26 05 33 13-1424 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	184.60	42.94
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.17	
For Elevated Installation >20' To 25', Add	21.47	
For Elevated Installation >25' To 30', Add	30.05	
For Elevated Installation >30' To 35', Add	34.35	
For Elevated Installation >35' To 40', Add	42.94	
For Elevated Installation >40', Add	47.23	
For Work In Restricted Working Space, Add	25.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.76	
26 05 33 13-1425 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	214.07	48.42
For Elevated Installation >10' To 15', Add	9.68	
For Elevated Installation >15' To 20', Add	19.37	
For Elevated Installation >20' To 25', Add	24.21	
For Elevated Installation >25' To 30', Add	33.89	
For Elevated Installation >30' To 35', Add	38.73	
For Elevated Installation >35' To 40', Add	48.42	
For Elevated Installation >40', Add	53.26	
For Work In Restricted Working Space, Add	29.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.05	
26 05 33 13-1426 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	258.48	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1427 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	358.20	86.79
For Elevated Installation >10' To 15', Add	17.36	
For Elevated Installation >15' To 20', Add	34.71	
For Elevated Installation >20' To 25', Add	43.39	
For Elevated Installation >25' To 30', Add	60.75	
For Elevated Installation >30' To 35', Add	69.43	
For Elevated Installation >35' To 40', Add	86.79	
For Elevated Installation >40', Add	95.46	
For Work In Restricted Working Space, Add	52.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.07	
26 05 33 13-1428 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.19	11.87
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.31	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.06	
For Work In Restricted Working Space, Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-1429 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.45	13.71
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.48	
For Elevated Installation >20' To 25', Add	6.85	
For Elevated Installation >25' To 30', Add	9.59	
For Elevated Installation >30' To 35', Add	10.96	
For Elevated Installation >35' To 40', Add	13.70	
For Elevated Installation >40', Add	15.07	
For Work In Restricted Working Space, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.22	
26 05 33 13-1430 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.17	17.35
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.68	
For Elevated Installation >25' To 30', Add	12.15	
For Elevated Installation >30' To 35', Add	13.88	
For Elevated Installation >35' To 40', Add	17.36	
For Elevated Installation >40', Add	19.09	
For Work In Restricted Working Space, Add	10.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.41	
26 05 33 13-1431 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	75.83	20.10
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.10	
For Work In Restricted Working Space, Add	12.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-1432 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	88.13	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1433 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	106.32	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1434 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	158.50	31.06
For Elevated Installation >10' To 15', Add	6.21	
For Elevated Installation >15' To 20', Add	12.42	
For Elevated Installation >20' To 25', Add	15.53	
For Elevated Installation >25' To 30', Add	21.74	
For Elevated Installation >30' To 35', Add	24.84	
For Elevated Installation >35' To 40', Add	31.06	
For Elevated Installation >40', Add	34.16	
For Work In Restricted Working Space, Add	18.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	202.56	42.94
			<i>For Elevated Installation >10' To 15', Add</i>	8.59	
			<i>For Elevated Installation >15' To 20', Add</i>	17.17	
			<i>For Elevated Installation >20' To 25', Add</i>	21.47	
			<i>For Elevated Installation >25' To 30', Add</i>	30.05	
			<i>For Elevated Installation >30' To 35', Add</i>	34.35	
			<i>For Elevated Installation >35' To 40', Add</i>	42.94	
			<i>For Elevated Installation >40', Add</i>	47.23	
			<i>For Work In Restricted Working Space, Add</i>	25.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.76	
26 05 33	13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	238.33	48.42
			<i>For Elevated Installation >10' To 15', Add</i>	9.68	
			<i>For Elevated Installation >15' To 20', Add</i>	19.37	
			<i>For Elevated Installation >20' To 25', Add</i>	24.21	
			<i>For Elevated Installation >25' To 30', Add</i>	33.89	
			<i>For Elevated Installation >30' To 35', Add</i>	38.73	
			<i>For Elevated Installation >35' To 40', Add</i>	48.42	
			<i>For Elevated Installation >40', Add</i>	53.26	
			<i>For Work In Restricted Working Space, Add</i>	29.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.05	
26 05 33	13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	299.36	63.04
			<i>For Elevated Installation >10' To 15', Add</i>	12.61	
			<i>For Elevated Installation >15' To 20', Add</i>	25.21	
			<i>For Elevated Installation >20' To 25', Add</i>	31.52	
			<i>For Elevated Installation >25' To 30', Add</i>	44.12	
			<i>For Elevated Installation >30' To 35', Add</i>	50.42	
			<i>For Elevated Installation >35' To 40', Add</i>	63.03	
			<i>For Elevated Installation >40', Add</i>	69.33	
			<i>For Work In Restricted Working Space, Add</i>	37.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.82	
26 05 33	13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	390.03	86.79
			<i>For Elevated Installation >10' To 15', Add</i>	17.36	
			<i>For Elevated Installation >15' To 20', Add</i>	34.71	
			<i>For Elevated Installation >20' To 25', Add</i>	43.39	
			<i>For Elevated Installation >25' To 30', Add</i>	60.75	
			<i>For Elevated Installation >30' To 35', Add</i>	69.43	
			<i>For Elevated Installation >35' To 40', Add</i>	86.79	
			<i>For Elevated Installation >40', Add</i>	95.46	
			<i>For Work In Restricted Working Space, Add</i>	52.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.07	
26 05 33	13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.21	11.87
			<i>For Elevated Installation >10' To 15', Add</i>	2.38	
			<i>For Elevated Installation >15' To 20', Add</i>	4.75	
			<i>For Elevated Installation >20' To 25', Add</i>	5.94	
			<i>For Elevated Installation >25' To 30', Add</i>	8.31	
			<i>For Elevated Installation >30' To 35', Add</i>	9.50	
			<i>For Elevated Installation >35' To 40', Add</i>	11.88	
			<i>For Elevated Installation >40', Add</i>	13.06	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.13	
26 05 33	13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.58	13.71
			<i>For Elevated Installation >10' To 15', Add</i>	2.74	
			<i>For Elevated Installation >15' To 20', Add</i>	5.48	
			<i>For Elevated Installation >20' To 25', Add</i>	6.85	
			<i>For Elevated Installation >25' To 30', Add</i>	9.59	
			<i>For Elevated Installation >30' To 35', Add</i>	10.96	
			<i>For Elevated Installation >35' To 40', Add</i>	13.70	
			<i>For Elevated Installation >40', Add</i>	15.07	
			<i>For Work In Restricted Working Space, Add</i>	8.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.22	
26 05 33	13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.80	17.35
			<i>For Elevated Installation >10' To 15', Add</i>	3.47	
			<i>For Elevated Installation >15' To 20', Add</i>	6.94	
			<i>For Elevated Installation >20' To 25', Add</i>	8.68	
			<i>For Elevated Installation >25' To 30', Add</i>	12.15	
			<i>For Elevated Installation >30' To 35', Add</i>	13.88	
			<i>For Elevated Installation >35' To 40', Add</i>	17.36	
			<i>For Elevated Installation >40', Add</i>	19.09	
			<i>For Work In Restricted Working Space, Add</i>	10.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.41	
26 05 33	13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.98	20.10
			<i>For Elevated Installation >10' To 15', Add</i>	4.02	
			<i>For Elevated Installation >15' To 20', Add</i>	8.04	
			<i>For Elevated Installation >20' To 25', Add</i>	10.05	
			<i>For Elevated Installation >25' To 30', Add</i>	14.07	
			<i>For Elevated Installation >30' To 35', Add</i>	16.08	
			<i>For Elevated Installation >35' To 40', Add</i>	20.10	
			<i>For Elevated Installation >40', Add</i>	22.10	
			<i>For Work In Restricted Working Space, Add</i>	12.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	96.61	22.84
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.13	
For Elevated Installation >20' To 25', Add	11.42	
For Elevated Installation >25' To 30', Add	15.98	
For Elevated Installation >30' To 35', Add	18.27	
For Elevated Installation >35' To 40', Add	22.84	
For Elevated Installation >40', Add	25.12	
For Work In Restricted Working Space, Add	13.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.70	
26 05 33 13-1444 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	114.82	25.58
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Work In Restricted Working Space, Add	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-1445 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	175.27	31.06
For Elevated Installation >10' To 15', Add	6.21	
For Elevated Installation >15' To 20', Add	12.42	
For Elevated Installation >20' To 25', Add	15.53	
For Elevated Installation >25' To 30', Add	21.74	
For Elevated Installation >30' To 35', Add	24.84	
For Elevated Installation >35' To 40', Add	31.06	
For Elevated Installation >40', Add	34.16	
For Work In Restricted Working Space, Add	18.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	
26 05 33 13-1446 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	229.47	42.94
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.17	
For Elevated Installation >20' To 25', Add	21.47	
For Elevated Installation >25' To 30', Add	30.05	
For Elevated Installation >30' To 35', Add	34.35	
For Elevated Installation >35' To 40', Add	42.94	
For Elevated Installation >40', Add	47.23	
For Work In Restricted Working Space, Add	25.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.76	
26 05 33 13-1447 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	253.22	48.42
For Elevated Installation >10' To 15', Add	9.68	
For Elevated Installation >15' To 20', Add	19.37	
For Elevated Installation >20' To 25', Add	24.21	
For Elevated Installation >25' To 30', Add	33.89	
For Elevated Installation >30' To 35', Add	38.73	
For Elevated Installation >35' To 40', Add	48.42	
For Elevated Installation >40', Add	53.26	
For Work In Restricted Working Space, Add	29.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.05	
26 05 33 13-1448 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	311.90	63.04
For Elevated Installation >10' To 15', Add	12.61	
For Elevated Installation >15' To 20', Add	25.21	
For Elevated Installation >20' To 25', Add	31.52	
For Elevated Installation >25' To 30', Add	44.12	
For Elevated Installation >30' To 35', Add	50.42	
For Elevated Installation >35' To 40', Add	63.03	
For Elevated Installation >40', Add	69.33	
For Work In Restricted Working Space, Add	37.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.82	
26 05 33 13-1449 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	394.57	86.79
For Elevated Installation >10' To 15', Add	17.36	
For Elevated Installation >15' To 20', Add	34.71	
For Elevated Installation >20' To 25', Add	43.39	
For Elevated Installation >25' To 30', Add	60.75	
For Elevated Installation >30' To 35', Add	69.43	
For Elevated Installation >35' To 40', Add	86.79	
For Elevated Installation >40', Add	95.46	
For Work In Restricted Working Space, Add	52.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.07	
26 05 33 13-1450 Aluminum Rigid Conduit (ARC) (26 05 33 13-0059)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling (26 05 33 13-1450)		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1452 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.95	2.82
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
For Work In Restricted Working Space, Add	2.11	
26 05 33 13-1453 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.97	3.10
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
For Work In Restricted Working Space, Add	2.32	
26 05 33 13-1454 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	10.20	3.38
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.27	
For Work In Restricted Working Space, Add	2.53	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	11.44	3.66
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.37	
<i>For Work In Restricted Working Space, Add</i>	2.74	
26 05 33 13-1456 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	12.70	3.94
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.48	
<i>For Work In Restricted Working Space, Add</i>	2.95	
26 05 33 13-1457 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	15.06	4.50
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	3.37	
26 05 33 13-1458 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	20.10	5.62
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.11	
<i>For Work In Restricted Working Space, Add</i>	4.22	
26 05 33 13-1459 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	24.80	6.74
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.53	
<i>For Work In Restricted Working Space, Add</i>	5.06	
26 05 33 13-1460 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	30.60	8.44
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.16	
<i>For Work In Restricted Working Space, Add</i>	6.32	
26 05 33 13-1461 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	37.98	10.68
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.01	
<i>For Work In Restricted Working Space, Add</i>	8.01	
26 05 33 13-1462 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	49.87	13.50
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.06	
<i>For Work In Restricted Working Space, Add</i>	10.12	
26 05 33 13-1463 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	63.41	16.86
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	6.32	
<i>For Work In Restricted Working Space, Add</i>	12.65	
26 05 33 13-1464 Aluminum 90 Degree Elbows <small>(26 05 33 13-1450)</small>		
26 05 33 13-1465 EA 1" Aluminum 90 Degree Elbow	46.37	14.62
<i>For Work In Restricted Working Space, Add</i>	10.96	
26 05 33 13-1466 EA 1-1/4" Aluminum 90 Degree Elbow	57.08	16.58
<i>For Work In Restricted Working Space, Add</i>	12.44	
26 05 33 13-1467 EA 1-1/2" Aluminum 90 Degree Elbow	68.58	19.12
<i>For Work In Restricted Working Space, Add</i>	14.34	
26 05 33 13-1468 EA 2" Aluminum 90 Degree Elbow	85.42	21.92
<i>For Work In Restricted Working Space, Add</i>	16.45	
26 05 33 13-1469 EA 2-1/2" Aluminum 90 Degree Elbow	118.34	26.70
<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-1470 EA 3" Aluminum 90 Degree Elbow	166.10	34.58
<i>For Work In Restricted Working Space, Add</i>	25.93	
26 05 33 13-1471 EA 3-1/2" Aluminum 90 Degree Elbow	221.23	38.79
<i>For Work In Restricted Working Space, Add</i>	29.09	
26 05 33 13-1472 EA 4" Aluminum 90 Degree Elbow	268.89	48.63
<i>For Work In Restricted Working Space, Add</i>	36.47	
26 05 33 13-1473 EA 5" Aluminum 90 Degree Elbow	633.78	79.27
<i>For Work In Restricted Working Space, Add</i>	59.45	
26 05 33 13-1474 EA 6" Aluminum 90 Degree Elbow	900.66	119.19
<i>For Work In Restricted Working Space, Add</i>	89.39	
26 05 33 13-1475 Aluminum Bushing Set With Locknut <small>(26 05 33 13-1450)</small>		
26 05 33 13-1476 EA 1/2" Aluminum Bushing Set With Locknut.....	14.81	5.62
<i>For Work In Restricted Working Space, Add</i>	4.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-1477 EA 3/4" Aluminum Bushing Set With Locknut.....	21.29	7.30
<i>For Work In Restricted Working Space, Add</i>	5.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-1478 EA 1" Aluminum Bushing Set With Locknut.....	22.97	9.00
<i>For Work In Restricted Working Space, Add</i>	6.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-1479 EA 1-1/4" Aluminum Bushing Set With Locknut	25.84	10.12
<i>For Work In Restricted Working Space, Add</i>	7.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.59	
26 05 33 13-1480 EA 1-1/2" Aluminum Bushing Set With Locknut	31.61	12.36
<i>For Work In Restricted Working Space, Add</i>	9.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-1481 EA 2" Aluminum Bushing Set With Locknut.....	38.38	14.90
<i>For Work In Restricted Working Space, Add</i>	11.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 05 33 13-1482 EA 2-1/2" Aluminum Bushing Set With Locknut	46.60	17.71
<i>For Work In Restricted Working Space, Add</i>	13.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.28	
26 05 33 13-1483 EA 3" Aluminum Bushing Set With Locknut.....	54.05	20.24
<i>For Work In Restricted Working Space, Add</i>	15.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.18	
26 05 33 13-1484 EA 3-1/2" Aluminum Bushing Set With Locknut	58.49	21.92
<i>For Work In Restricted Working Space, Add</i>	16.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.45	
26 05 33 13-1485 EA 4" Aluminum Bushing Set With Locknut.....	63.44	23.62
<i>For Work In Restricted Working Space, Add</i>	17.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1486 EA 5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.23 23.61 23.61	31.48
26 05 33 13-1487 EA 6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.65 35.42 35.42	47.22
26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0059)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1488)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1490 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.01 0.50 0.85	2.01
26 05 33 13-1491 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.83 0.60 1.01	2.21
26 05 33 13-1492 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.41 0.81 1.33	2.57
26 05 33 13-1493 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.98 1.02 1.65	2.94
26 05 33 13-1494 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.73 1.21 1.96	3.43
26 05 33 13-1495 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	13.95 1.53 2.43	3.93
26 05 33 13-1496 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	18.26 2.23 3.48	4.67
26 05 33 13-1497 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	21.36 2.64 4.10	5.40
26 05 33 13-1498 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.01 3.31 5.12	6.38
26 05 33 13-1499 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	30.68 3.74 5.83	7.85
26 05 33 13-1500 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	43.71 5.41 8.40	11.05
26 05 33 13-1501 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	58.07 7.16 11.12	14.72
26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1488)</small> See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1503 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	25.92 1.57 2.94	9.81
26 05 33 13-1504 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.65 1.76 3.28	10.80
26 05 33 13-1505 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	33.27 2.18 3.98	12.27
26 05 33 13-1506 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	43.01 2.90 5.24	15.70
26 05 33 13-1507 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	54.15 3.72 6.69	19.63
26 05 33 13-1508 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	68.38 4.83 8.60	24.54
26 05 33 13-1509 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	86.03 6.79 11.71	29.44
26 05 33 13-1510 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	106.14 9.36 15.68	34.35

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1511 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	132.43 12.25 20.28	41.71
26 05 33 13-1512 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	158.91 15.19 24.95	49.07
26 05 33 13-1513 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	217.26 23.65 37.70	61.34
26 05 33 13-1514 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	265.50 29.57 46.92	73.61
26 05 33 13-1515 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-1488)</small>		
26 05 33 13-1516 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	25.92 1.57 2.94	9.81
26 05 33 13-1517 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.55 1.74 3.25	10.80
26 05 33 13-1518 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	33.13 2.15 3.93	12.27
26 05 33 13-1519 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	42.61 2.80 5.10	15.70
26 05 33 13-1520 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	53.26 3.50 6.37	19.63
26 05 33 13-1521 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	67.90 4.71 8.43	24.54
26 05 33 13-1522 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	85.13 6.56 11.39	29.44
26 05 33 13-1523 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	105.00 9.07 15.28	34.35
26 05 33 13-1524 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	129.24 11.45 19.16	41.71
26 05 33 13-1525 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	156.17 14.50 23.99	49.07
26 05 33 13-1526 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	213.71 22.76 36.46	61.34
26 05 33 13-1527 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	254.92 26.92 43.21	73.61
26 05 33 13-1528 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow <small>(26 05 33 13-1488)</small>		
26 05 33 13-1529 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	98.01 16.95	34.72
26 05 33 13-1530 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	114.58 20.01	40.20
26 05 33 13-1531 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	129.82 22.60	45.68
26 05 33 13-1532 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	152.02 28.08	50.25
26 05 33 13-1533 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	198.21 37.86	63.04
26 05 33 13-1534 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	260.88 48.37	85.87
26 05 33 13-1535 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	310.52 60.26	96.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1536 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	377.47 69.07	126.07
26 05 33 13-1537 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow (26 05 <small>33 13-1488)</small>		
26 05 33 13-1538 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	103.26 18.78	34.72
26 05 33 13-1539 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	127.21 24.43	40.20
26 05 33 13-1540 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	147.90 28.93	45.68
26 05 33 13-1541 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	160.97 31.22	50.25
26 05 33 13-1542 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	225.79 47.51	63.04
26 05 33 13-1543 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	300.99 62.41	85.87
26 05 33 13-1544 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	335.21 68.90	96.84
26 05 33 13-1545 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	407.36 79.54	126.07
26 05 33 13-1546 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow (26 05 <small>33 13-1488)</small>		
26 05 33 13-1547 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	117.41 23.74	34.72
26 05 33 13-1548 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	133.14 26.50	40.20
26 05 33 13-1549 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	151.38 30.14	45.68
26 05 33 13-1550 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	177.85 37.13	50.25
26 05 33 13-1551 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	236.06 51.10	63.04
26 05 33 13-1552 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	309.61 65.43	85.87
26 05 33 13-1553 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	368.08 80.41	96.84
26 05 33 13-1554 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	436.88 89.87	126.07
26 05 33 13-1555 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow (26 05 <small>33 13-1488)</small>		
26 05 33 13-1556 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	120.30 24.75	34.72
26 05 33 13-1557 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	150.68 32.64	40.20
26 05 33 13-1558 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	165.30 35.02	45.68
26 05 33 13-1559 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	178.47 37.34	50.25
26 05 33 13-1560 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	258.69 59.02	63.04
26 05 33 13-1561 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	360.32 83.17	85.87
26 05 33 13-1562 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	414.26 96.57	96.84
26 05 33 13-1563 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	491.57 109.01	126.07
26 05 33 13-1564 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	788.75 173.29	205.20
26 05 33 13-1565 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	1,159.27 251.35	309.21
26 05 33 13-1566 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow (26 05 <small>33 13-1488)</small>		
26 05 33 13-1567 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	131.39 28.63	34.72
26 05 33 13-1568 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	153.66 33.68	40.20
26 05 33 13-1569 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	174.23 38.14	45.68
26 05 33 13-1570 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	209.31 48.14	50.25
26 05 33 13-1571 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	280.78 66.76	63.04
26 05 33 13-1572 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	396.60 95.87	85.87
26 05 33 13-1573 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	448.95 108.71	96.84

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1574 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	551.77 130.08	126.07
26 05 33 13-1575 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	823.97 185.61	205.20
26 05 33 13-1576 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	1,187.78 261.33	309.21
26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters <small>(26 05 33 13-1488)</small>		
26 05 33 13-1578 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.82 5.15	6.87
26 05 33 13-1579 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.50 5.89	7.85
26 05 33 13-1580 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.27 6.62	8.83
26 05 33 13-1581 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.18 7.36	9.81
26 05 33 13-1582 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.46 9.20	12.27
26 05 33 13-1583 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.36 11.04	14.72
26 05 33 13-1584 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.76 14.72	19.63
26 05 33 13-1585 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.72 18.40	24.54
26 05 33 13-1586 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.85 23.93	31.90
26 05 33 13-1587 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.61 29.44	39.26
26 05 33 13-1588 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82 36.81	49.07
26 05 33 13-1589 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.03 46.01	61.34
26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1488)</small>		
26 05 33 13-1591 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.89 4.42	5.89
26 05 33 13-1592 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.73 5.15	6.87
26 05 33 13-1593 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.58 5.89	7.85
26 05 33 13-1594 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25 6.62	8.83
26 05 33 13-1595 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.72 7.36	9.81
26 05 33 13-1596 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.30 8.47	11.29
26 05 33 13-1597 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.15 9.57	12.76
26 05 33 13-1598 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.22 11.04	14.72
26 05 33 13-1599 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.59 12.88	17.18
26 05 33 13-1600 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.11 14.72	19.63
26 05 33 13-1601 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.89 16.56	22.08
26 05 33 13-1602 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.26 18.40	24.54
26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1488)</small>		
26 05 33 13-1604 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.41 5.66	
26 05 33 13-1605 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.49 6.79	
26 05 33 13-1606 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.17 7.54	
26 05 33 13-1607 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.37 8.39	
26 05 33 13-1608 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.24 9.20	12.27
26 05 33 13-1609 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.06 11.04	14.72
26 05 33 13-1610 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.16 14.72	19.63
26 05 33 13-1611 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.88 18.40	24.54
26 05 33 13-1612 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.77 23.93	31.90
26 05 33 13-1613 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.51 29.44	39.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1614 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	137.63	49.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 05 33 13-1615 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	171.40	61.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.01	
26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <small>(26 05 33 13-1488)</small>		
26 05 33 13-1617 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	54.99	19.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.72	
26 05 33 13-1618 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	63.58	22.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.56	
26 05 33 13-1619 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	70.61	24.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33 13-1620 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	86.85	29.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.08	
26 05 33 13-1621 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	107.51	36.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.60	
26 05 33 13-1622 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	137.90	44.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.12	
26 05 33 13-1623 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	225.64	49.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 05 33 13-1624 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	241.50	53.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.49	
26 05 33 13-1625 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	263.47	61.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.01	
26 05 33 13-1626 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	295.22	71.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.37	
26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <small>(26 05 33 13-1488)</small>		
26 05 33 13-1628 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	78.14	28.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-1629 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	87.18	30.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-1630 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	94.44	33.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-1631 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	116.62	39.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.52	
26 05 33 13-1632 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	141.01	47.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.84	
26 05 33 13-1633 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	172.06	56.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.17	
26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1488)</small>		
26 05 33 13-1635 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	111.82	24.54
26 05 33 13-1636 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	125.37	29.44
26 05 33 13-1637 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	139.68	34.35
26 05 33 13-1638 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	153.24	39.26
26 05 33 13-1639 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	166.49	44.16
26 05 33 13-1640 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	182.19	49.07
26 05 33 13-1641 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	221.52	56.43
26 05 33 13-1642 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	263.86	63.79
26 05 33 13-1643 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	308.42	73.61
26 05 33 13-1644 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	366.24	85.88
26 05 33 13-1645 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	480.27	103.05
26 05 33 13-1646 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	630.31	132.50
26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1488)</small>		
26 05 33 13-1648 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	14.92	4.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-1649 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	17.68	5.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	
26 05 33 13-1650 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	20.38	6.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-1651 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	24.23	7.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.89	
26 05 33 13-1652 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	28.13	8.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-1653 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap.....	33.00	9.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.36	
26 05 33 13-1654 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	46.13	11.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47	
26 05 33 13-1655 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....	50.66	12.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.57	
26 05 33 13-1656 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	64.00	14.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.67	
26 05 33 13-1657 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap.....	76.72	15.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1658 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap	89.05	17.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.88	
26 05 33 13-1659 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap	111.90	19.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.72	
26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1468)</small>		
26 05 33 13-1661 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	147.87	44.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.12	
26 05 33 13-1662 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	149.26	29.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.08	
26 05 33 13-1663 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	354.61	49.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.81	
26 05 33 13-1664 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	682.53	71.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.37	
26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0059)</small>		
Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1665)</small>		
26 05 33 13-1667 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.91	2.01
26 05 33 13-1668 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.15	2.21
26 05 33 13-1669 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.46	2.55
26 05 33 13-1670 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.76	2.94
26 05 33 13-1671 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.59	3.43
26 05 33 13-1672 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	18.03	3.93
26 05 33 13-1673 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	21.50	4.67
26 05 33 13-1674 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	25.31	5.40
26 05 33 13-1675 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	29.24	6.38
26 05 33 13-1676 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	34.39	7.85
26 05 33 13-1677 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	46.04	11.05
26 05 33 13-1678 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	59.86	14.72
26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>		
26 05 33 13-1680 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	133.49	9.81
<i>For 24" Radius, Add</i>	9.40	
<i>For 36" Radius, Add</i>	13.35	
<i>For 48" Radius, Add</i>	17.30	
26 05 33 13-1681 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	148.97	10.80
<i>For 24" Radius, Add</i>	10.50	
<i>For 36" Radius, Add</i>	14.90	
<i>For 48" Radius, Add</i>	19.30	
26 05 33 13-1682 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	153.89	12.27
<i>For 24" Radius, Add</i>	10.78	
<i>For 36" Radius, Add</i>	15.39	
<i>For 48" Radius, Add</i>	20.00	
26 05 33 13-1683 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	163.68	15.70
<i>For 24" Radius, Add</i>	11.29	
<i>For 36" Radius, Add</i>	16.37	
<i>For 48" Radius, Add</i>	21.44	
26 05 33 13-1684 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	174.73	19.63
<i>For 24" Radius, Add</i>	11.88	
<i>For 36" Radius, Add</i>	17.47	
<i>For 48" Radius, Add</i>	23.07	
26 05 33 13-1685 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	204.33	24.54
<i>For 24" Radius, Add</i>	13.79	
<i>For 36" Radius, Add</i>	20.43	
<i>For 48" Radius, Add</i>	27.07	
26 05 33 13-1686 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	244.75	29.44
<i>For 24" Radius, Add</i>	16.52	
<i>For 36" Radius, Add</i>	24.48	
<i>For 48" Radius, Add</i>	32.43	
26 05 33 13-1687 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	291.25	34.35
<i>For 24" Radius, Add</i>	19.70	
<i>For 36" Radius, Add</i>	29.13	
<i>For 48" Radius, Add</i>	38.55	
26 05 33 13-1688 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	335.32	41.71
<i>For 24" Radius, Add</i>	22.54	
<i>For 36" Radius, Add</i>	33.53	
<i>For 48" Radius, Add</i>	44.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1689 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	379.40	49.07
<i>For 24" Radius, Add</i>	25.39	
<i>For 36" Radius, Add</i>	37.94	
<i>For 48" Radius, Add</i>	50.49	
26 05 33 13-1690 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	474.24	61.34
<i>For 24" Radius, Add</i>	31.73	
<i>For 36" Radius, Add</i>	47.42	
<i>For 48" Radius, Add</i>	63.11	
26 05 33 13-1691 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	585.14	73.61
<i>For 24" Radius, Add</i>	39.28	
<i>For 36" Radius, Add</i>	58.51	
<i>For 48" Radius, Add</i>	77.74	
26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>		
26 05 33 13-1693 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	113.88	9.81
<i>For 24" Radius, Add</i>	7.93	
<i>For 36" Radius, Add</i>	11.39	
<i>For 48" Radius, Add</i>	14.85	
26 05 33 13-1694 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	127.01	10.80
<i>For 24" Radius, Add</i>	8.85	
<i>For 36" Radius, Add</i>	12.70	
<i>For 48" Radius, Add</i>	16.55	
26 05 33 13-1695 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	131.71	12.27
<i>For 24" Radius, Add</i>	9.11	
<i>For 36" Radius, Add</i>	13.17	
<i>For 48" Radius, Add</i>	17.23	
26 05 33 13-1696 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	141.29	15.70
<i>For 24" Radius, Add</i>	9.62	
<i>For 36" Radius, Add</i>	14.13	
<i>For 48" Radius, Add</i>	18.64	
26 05 33 13-1697 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	152.11	19.63
<i>For 24" Radius, Add</i>	10.18	
<i>For 36" Radius, Add</i>	15.21	
<i>For 48" Radius, Add</i>	20.24	
26 05 33 13-1698 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	178.59	24.54
<i>For 24" Radius, Add</i>	11.86	
<i>For 36" Radius, Add</i>	17.86	
<i>For 48" Radius, Add</i>	23.86	
26 05 33 13-1699 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	213.95	29.44
<i>For 24" Radius, Add</i>	14.21	
<i>For 36" Radius, Add</i>	21.40	
<i>For 48" Radius, Add</i>	28.58	
26 05 33 13-1700 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	254.28	34.35
<i>For 24" Radius, Add</i>	16.92	
<i>For 36" Radius, Add</i>	25.43	
<i>For 48" Radius, Add</i>	33.93	
26 05 33 13-1701 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	293.73	41.71
<i>For 24" Radius, Add</i>	19.42	
<i>For 36" Radius, Add</i>	29.37	
<i>For 48" Radius, Add</i>	39.32	
26 05 33 13-1702 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	333.19	49.07
<i>For 24" Radius, Add</i>	21.92	
<i>For 36" Radius, Add</i>	33.32	
<i>For 48" Radius, Add</i>	44.72	
26 05 33 13-1703 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	416.48	61.34
<i>For 24" Radius, Add</i>	27.40	
<i>For 36" Radius, Add</i>	41.65	
<i>For 48" Radius, Add</i>	55.89	
26 05 33 13-1704 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	512.94	73.61
<i>For 24" Radius, Add</i>	33.87	
<i>For 36" Radius, Add</i>	51.29	
<i>For 48" Radius, Add</i>	68.72	
26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>		
26 05 33 13-1706 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	105.97	8.83
<i>For 24" Radius, Add</i>	7.40	
<i>For 36" Radius, Add</i>	10.60	
<i>For 48" Radius, Add</i>	13.80	
26 05 33 13-1707 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	118.22	9.71
<i>For 24" Radius, Add</i>	8.26	
<i>For 36" Radius, Add</i>	11.82	
<i>For 48" Radius, Add</i>	15.39	
26 05 33 13-1708 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	122.48	11.05
<i>For 24" Radius, Add</i>	8.50	
<i>For 36" Radius, Add</i>	12.25	
<i>For 48" Radius, Add</i>	16.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	131.13	14.13
		<i>For 24" Radius, Add</i>	8.95	
		<i>For 36" Radius, Add</i>	13.11	
		<i>For 48" Radius, Add</i>	17.27	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	140.92	17.67
		<i>For 24" Radius, Add</i>	9.47	
		<i>For 36" Radius, Add</i>	14.09	
		<i>For 48" Radius, Add</i>	18.72	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	165.31	22.08
		<i>For 24" Radius, Add</i>	11.02	
		<i>For 36" Radius, Add</i>	16.53	
		<i>For 48" Radius, Add</i>	22.04	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	198.03	26.50
		<i>For 24" Radius, Add</i>	13.20	
		<i>For 36" Radius, Add</i>	19.80	
		<i>For 48" Radius, Add</i>	26.41	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	235.42	30.92
		<i>For 24" Radius, Add</i>	15.72	
		<i>For 36" Radius, Add</i>	23.54	
		<i>For 48" Radius, Add</i>	31.36	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	271.76	37.54
		<i>For 24" Radius, Add</i>	18.04	
		<i>For 36" Radius, Add</i>	27.18	
		<i>For 48" Radius, Add</i>	36.32	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	308.08	44.16
		<i>For 24" Radius, Add</i>	20.35	
		<i>For 36" Radius, Add</i>	30.81	
		<i>For 48" Radius, Add</i>	41.27	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	385.11	55.21
		<i>For 24" Radius, Add</i>	25.43	
		<i>For 36" Radius, Add</i>	38.51	
		<i>For 48" Radius, Add</i>	51.59	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	474.48	66.25
		<i>For 24" Radius, Add</i>	31.45	
		<i>For 36" Radius, Add</i>	47.45	
		<i>For 48" Radius, Add</i>	63.45	
26 05 33 13-1718		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>		
26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	100.53	8.83
		<i>For 24" Radius, Add</i>	6.99	
		<i>For 36" Radius, Add</i>	10.05	
		<i>For 48" Radius, Add</i>	13.12	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	112.13	9.71
		<i>For 24" Radius, Add</i>	7.80	
		<i>For 36" Radius, Add</i>	11.21	
		<i>For 48" Radius, Add</i>	14.62	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	116.32	11.05
		<i>For 24" Radius, Add</i>	8.03	
		<i>For 36" Radius, Add</i>	11.63	
		<i>For 48" Radius, Add</i>	15.23	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	124.91	14.13
		<i>For 24" Radius, Add</i>	8.49	
		<i>For 36" Radius, Add</i>	12.49	
		<i>For 48" Radius, Add</i>	16.50	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	134.63	17.67
		<i>For 24" Radius, Add</i>	8.99	
		<i>For 36" Radius, Add</i>	13.46	
		<i>For 48" Radius, Add</i>	17.93	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	158.16	22.08
		<i>For 24" Radius, Add</i>	10.48	
		<i>For 36" Radius, Add</i>	15.82	
		<i>For 48" Radius, Add</i>	21.15	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	189.47	26.50
		<i>For 24" Radius, Add</i>	12.55	
		<i>For 36" Radius, Add</i>	18.95	
		<i>For 48" Radius, Add</i>	25.34	
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	225.16	30.92
		<i>For 24" Radius, Add</i>	14.95	
		<i>For 36" Radius, Add</i>	22.52	
		<i>For 48" Radius, Add</i>	30.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1727	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	260.21	37.54
				For 24" Radius, Add	17.17	
				For 36" Radius, Add	26.02	
				For 48" Radius, Add	34.87	
26 05 33 13-1728	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	295.24	44.16
				For 24" Radius, Add	19.38	
				For 36" Radius, Add	29.52	
				For 48" Radius, Add	39.67	
26 05 33 13-1729	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	369.06	55.21
				For 24" Radius, Add	24.23	
				For 36" Radius, Add	36.91	
				For 48" Radius, Add	49.58	
26 05 33 13-1730	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	454.42	66.25
				For 24" Radius, Add	29.94	
				For 36" Radius, Add	45.44	
				For 48" Radius, Add	60.94	
26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1665)</small>						
26 05 33 13-1732	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	62.29	6.87
26 05 33 13-1733	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	69.90	7.85
26 05 33 13-1734	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	72.87	8.83
26 05 33 13-1735	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	75.75	9.81
26 05 33 13-1736	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	82.91	12.27
26 05 33 13-1737	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	99.01	14.72
26 05 33 13-1738	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	123.94	19.63
26 05 33 13-1739	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	151.19	24.54
26 05 33 13-1740	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	180.83	31.90
26 05 33 13-1741	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	210.45	39.26
26 05 33 13-1742	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	263.07	49.07
26 05 33 13-1743	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	328.77	61.34
26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1665)</small>						
26 05 33 13-1745	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	42.63	6.87
26 05 33 13-1746	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.91	7.85
26 05 33 13-1747	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	50.66	8.83
26 05 33 13-1748	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	53.42	9.81
26 05 33 13-1749	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	59.85	12.27
26 05 33 13-1750	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	66.15	14.72
26 05 33 13-1751	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	84.28	19.63
26 05 33 13-1752	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	103.61	24.54
26 05 33 13-1753	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	127.31	31.90
26 05 33 13-1754	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	150.98	39.26
26 05 33 13-1755	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	188.79	49.07
26 05 33 13-1756	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	235.92	61.34
26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1665)</small>						
26 05 33 13-1758	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	48.82	5.65
26 05 33 13-1759	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	54.80	7.85
26 05 33 13-1760	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	57.63	8.83
26 05 33 13-1761	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	60.31	9.81
26 05 33 13-1762	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	67.25	12.27
26 05 33 13-1763	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	80.36	14.72
26 05 33 13-1764	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	101.31	19.63
26 05 33 13-1765	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	124.02	24.54
26 05 33 13-1766	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	150.26	31.90
26 05 33 13-1767	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	176.48	39.26
26 05 33 13-1768	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	220.58	49.07
26 05 33 13-1769	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	275.76	61.34
26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1665)</small>						
26 05 33 13-1771	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	96.21	24.54
26 05 33 13-1772	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	112.29	29.44
26 05 33 13-1773	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	124.99	34.35
26 05 33 13-1774	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	137.50	39.26
26 05 33 13-1775	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	150.67	44.16
26 05 33 13-1776	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	170.61	49.07
26 05 33 13-1777	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	198.60	56.43
26 05 33 13-1778	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	228.50	63.79
26 05 33 13-1779	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	261.66	73.61

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1780 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	300.95	85.88
26 05 33 13-1781 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	353.19	98.14
26 05 33 13-1782 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	410.82	110.41
26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1665)</small>		
26 05 33 13-1784 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	110.37	24.54
26 05 33 13-1785 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	128.16	29.44
26 05 33 13-1786 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	140.95	34.35
26 05 33 13-1787 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	153.63	39.26
26 05 33 13-1788 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	166.93	44.16
26 05 33 13-1789 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	189.18	49.07
26 05 33 13-1790 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	220.88	56.43
26 05 33 13-1791 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	255.24	63.79
26 05 33 13-1792 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	291.76	73.61
26 05 33 13-1793 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	334.40	85.88
26 05 33 13-1794 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	395.12	98.14
26 05 33 13-1795 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	463.23	110.41
26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-1665)</small>		
26 05 33 13-1797 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	133.76	6.87
26 05 33 13-1798 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	149.14	7.85
26 05 33 13-1799 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	155.57	8.83
26 05 33 13-1800 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	162.18	9.81
26 05 33 13-1801 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	170.45	12.27
26 05 33 13-1802 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	189.88	14.72
26 05 33 13-1803 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	232.79	19.63
26 05 33 13-1804 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	281.68	24.54
26 05 33 13-1805 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	327.65	31.90
26 05 33 13-1806 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	373.59	39.26
26 05 33 13-1807 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	467.11	49.07
26 05 33 13-1808 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	581.20	61.34
26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1665)</small>		
26 05 33 13-1810 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	134.99	24.54
26 05 33 13-1811 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	155.46	29.44
26 05 33 13-1812 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	186.99	34.35
26 05 33 13-1813 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	234.46	39.26
26 05 33 13-1814 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	297.29	44.16
26 05 33 13-1815 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	399.65	49.07
26 05 33 13-1816 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	576.91	56.43
26 05 33 13-1817 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	699.90	63.79
26 05 33 13-1818 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	848.65	73.61
26 05 33 13-1819 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,003.52	85.88
26 05 33 13-1820 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,182.37	98.14
26 05 33 13-1821 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,866.77	110.41
26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <small>(26 05 33 13-1665)</small>		
26 05 33 13-1823 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	114.27	19.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.72	
26 05 33 13-1824 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	132.96	22.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.56	
26 05 33 13-1825 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	179.88	24.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.40	
26 05 33 13-1826 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	220.04	29.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.08	
26 05 33 13-1827 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	280.28	36.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.60	
26 05 33 13-1828 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	389.33	44.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.12	
26 05 33 13-1829 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	651.80	51.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.65	
26 05 33 13-1830 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	844.54	58.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.17	
26 05 33 13-1831 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	1,017.24	68.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1832 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,189.96	78.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>58.89</i>	
26 05 33 13-1833 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,406.25	88.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>66.25</i>	
26 05 33 13-1834 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,596.40	98.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>73.61</i>	
26 05 33 13-1835 Explosion Proof Conduit Fittings <small>(26 05 33 13-0059)</small>		
<i>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.</i>		
26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1835)</small>		
26 05 33 13-1837 EA 1/2" Explosion Proof Malleable Iron Conduit Union	52.27	11.71
26 05 33 13-1838 EA 3/4" Explosion Proof Malleable Iron Conduit Union	64.02	12.94
26 05 33 13-1839 EA 1" Explosion Proof Malleable Iron Conduit Union	100.61	17.25
26 05 33 13-1840 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	132.11	19.10
26 05 33 13-1841 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	166.06	23.41
26 05 33 13-1842 EA 2" Explosion Proof Malleable Iron Conduit Union	206.29	27.11
26 05 33 13-1843 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	313.23	38.77
26 05 33 13-1844 EA 3" Explosion Proof Malleable Iron Conduit Union	397.22	46.15
26 05 33 13-1845 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	660.60	55.38
26 05 33 13-1846 EA 4" Explosion Proof Malleable Iron Conduit Union	704.15	70.75
26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies <small>(26 05 33 13-1835)</small>		
26 05 33 13-1848 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	183.83	36.96
26 05 33 13-1849 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	207.28	41.90
26 05 33 13-1850 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	241.93	46.21
26 05 33 13-1851 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	208.67	46.21
26 05 33 13-1852 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	248.72	55.45
26 05 33 13-1853 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	293.74	63.45
26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-1835)</small>		
<i>Note: Includes sealing gasket and lock nut.</i>		
26 05 33 13-1855 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	152.10	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>23.10</i>	
26 05 33 13-1856 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	156.26	34.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>25.88</i>	
26 05 33 13-1857 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	170.55	37.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>28.19</i>	
26 05 33 13-1858 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	218.63	46.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.65</i>	
26 05 33 13-1859 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	277.81	54.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>40.66</i>	
26 05 33 13-1860 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	354.86	61.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>46.21</i>	
26 05 33 13-1861 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	506.54	92.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>69.22</i>	
26 05 33 13-1862 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	639.96	115.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>86.75</i>	
26 05 33 13-1863 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	894.10	127.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>95.53</i>	
26 05 33 13-1864 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	1,146.67	138.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>103.83</i>	
26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1835)</small>		
26 05 33 13-1866 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	389.31	14.17
26 05 33 13-1867 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	508.70	16.02
26 05 33 13-1868 Conduit Installed Below Grade <small>(26 05 33 13-0058)</small>		
<i>Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.</i>		
26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1869)</small>		
26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial <small>(26 05 33 13-1869)</small>		
<i>Note: Includes field bend conduit up to 1".</i>		
26 05 33 13-1871 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.97	
<i>For Schedule 60, Add</i>	<i>0.44</i>	
<i>For Schedule 80, Add</i>	<i>0.74</i>	
26 05 33 13-1872 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.61	
<i>For Schedule 60, Add</i>	<i>0.54</i>	
<i>For Schedule 80, Add</i>	<i>0.89</i>	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1873 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.57	
For Schedule 60, Add	0.72	
For Schedule 80, Add	1.15	
26 05 33 13-1874 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.53	
For Schedule 60, Add	0.90	
For Schedule 80, Add	1.41	
26 05 33 13-1875 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.36	
For Schedule 60, Add	1.05	
For Schedule 80, Add	1.62	
26 05 33 13-1876 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	9.66	
For Schedule 60, Add	1.31	
For Schedule 80, Add	2.00	
26 05 33 13-1877 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	12.43	
For Schedule 60, Add	1.94	
For Schedule 80, Add	2.89	
26 05 33 13-1878 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	14.00	
For Schedule 60, Add	2.27	
For Schedule 80, Add	3.37	
26 05 33 13-1879 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	16.50	
For Schedule 60, Add	2.84	
For Schedule 80, Add	4.17	
26 05 33 13-1880 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	17.80	
For Schedule 60, Add	3.10	
For Schedule 80, Add	4.54	
26 05 33 13-1881 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	23.16	
For Schedule 60, Add	4.38	
For Schedule 80, Add	6.34	
26 05 33 13-1882 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	28.63	
For Schedule 60, Add	5.69	
For Schedule 80, Add	8.18	
26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial		
<small>(26 05 33 13-1869)</small>		
See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1884 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	32.05	
For Schedule 60, Add	1.88	
For Schedule 80, Add	3.55	
26 05 33 13-1885 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	38.46	
For Schedule 60, Add	2.26	
For Schedule 80, Add	4.26	
26 05 33 13-1886 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	45.54	
For Schedule 60, Add	2.80	
For Schedule 80, Add	5.20	
26 05 33 13-1887 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	52.82	
For Schedule 60, Add	3.39	
For Schedule 80, Add	6.22	
26 05 33 13-1888 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	60.29	
For Schedule 60, Add	4.03	
For Schedule 80, Add	7.30	
26 05 33 13-1889 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	68.38	
For Schedule 60, Add	4.83	
For Schedule 80, Add	8.60	
26 05 33 13-1890 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	79.90	
For Schedule 60, Add	6.48	
For Schedule 80, Add	11.10	
26 05 33 13-1891 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	93.87	
For Schedule 60, Add	8.75	
For Schedule 80, Add	14.45	
26 05 33 13-1892 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	114.03	
For Schedule 60, Add	11.33	
For Schedule 80, Add	18.44	
26 05 33 13-1893 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	134.36	
For Schedule 60, Add	13.96	
For Schedule 80, Add	22.49	
26 05 33 13-1894 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	174.32	
For Schedule 60, Add	21.50	
For Schedule 80, Add	33.41	
26 05 33 13-1895 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	204.16	
For Schedule 60, Add	26.50	
For Schedule 80, Add	40.78	
26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial		
<small>(26 05 33 13-1869)</small>		
See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1897 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	32.05	
For Schedule 60, Add	1.88	
For Schedule 80, Add	3.55	
26 05 33 13-1898 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	38.36	
For Schedule 60, Add	2.23	
For Schedule 80, Add	4.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1899 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	45.40	
<i>For Schedule 60, Add</i>	2.76	
<i>For Schedule 80, Add</i>	5.16	
26 05 33 13-1900 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	52.42	
<i>For Schedule 60, Add</i>	3.29	
<i>For Schedule 80, Add</i>	6.08	
26 05 33 13-1901 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	59.40	
<i>For Schedule 60, Add</i>	3.81	
<i>For Schedule 80, Add</i>	6.99	
26 05 33 13-1902 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	67.90	
<i>For Schedule 60, Add</i>	4.71	
<i>For Schedule 80, Add</i>	8.43	
26 05 33 13-1903 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	79.00	
<i>For Schedule 60, Add</i>	6.25	
<i>For Schedule 80, Add</i>	10.78	
26 05 33 13-1904 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	92.73	
<i>For Schedule 60, Add</i>	8.46	
<i>For Schedule 80, Add</i>	14.05	
26 05 33 13-1905 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	110.84	
<i>For Schedule 60, Add</i>	10.53	
<i>For Schedule 80, Add</i>	17.32	
26 05 33 13-1906 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	131.62	
<i>For Schedule 60, Add</i>	13.28	
<i>For Schedule 80, Add</i>	21.53	
26 05 33 13-1907 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	170.77	
<i>For Schedule 60, Add</i>	20.61	
<i>For Schedule 80, Add</i>	32.17	
26 05 33 13-1908 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	193.58	
<i>For Schedule 60, Add</i>	23.86	
<i>For Schedule 80, Add</i>	37.08	
26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial <small>(26 05 33 13-1899)</small>		
26 05 33 13-1910 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	17.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.15	
26 05 33 13-1911 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	20.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.89	
26 05 33 13-1912 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-1913 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.36	
26 05 33 13-1914 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	28.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33 13-1915 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	32.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.83	
26 05 33 13-1916 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	37.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-1917 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	43.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.04	
26 05 33 13-1918 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	51.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.88	
26 05 33 13-1919 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	57.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.72	
26 05 33 13-1920 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	72.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.56	
26 05 33 13-1921 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	82.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.40	
26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1899)</small>		
26 05 33 13-1923 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	19.89	
26 05 33 13-1924 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	22.73	
26 05 33 13-1925 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	25.58	
26 05 33 13-1926 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	32.71	
26 05 33 13-1927 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	36.17	
26 05 33 13-1928 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	40.30	
26 05 33 13-1929 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	45.15	
26 05 33 13-1930 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	51.22	
26 05 33 13-1931 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	60.59	
26 05 33 13-1932 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	67.11	
26 05 33 13-1933 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	83.89	
26 05 33 13-1934 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	94.26	
26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial <small>(26 05 33 13-1899)</small>		
26 05 33 13-1936 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	17.71	
26 05 33 13-1937 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.50	
26 05 33 13-1938 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	23.13	
26 05 33 13-1939 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	25.93	
26 05 33 13-1940 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	28.56	
26 05 33 13-1941 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	31.70	
26 05 33 13-1942 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	37.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1943 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	42.34	
26 05 33 13-1944 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	49.96	
26 05 33 13-1945 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	56.44	
26 05 33 13-1946 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	70.15	
26 05 33 13-1947 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	79.39	
26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1868)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1948)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-1950 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.38	2.96
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.14	
26 05 33 13-1951 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.99	3.66
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.91	
For >1,000, Deduct	-1.29	
26 05 33 13-1952 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	18.32	4.08
For >250 To 500, Deduct	-0.67	
For >500 To 1,000, Deduct	-1.13	
For >1,000, Deduct	-1.59	
26 05 33 13-1953 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	21.99	5.48
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.92	
26 05 33 13-1954 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	25.72	6.18
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.61	
For >1,000, Deduct	-2.26	
26 05 33 13-1955 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	32.50	6.74
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.05	
For >1,000, Deduct	-2.86	
26 05 33 13-1956 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	46.91	10.12
For >250 To 500, Deduct	-1.82	
For >500 To 1,000, Deduct	-2.99	
For >1,000, Deduct	-4.16	
26 05 33 13-1957 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	60.68	12.65
For >250 To 500, Deduct	-2.33	
For >500 To 1,000, Deduct	-3.85	
For >1,000, Deduct	-5.37	
26 05 33 13-1958 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	74.99	13.36
For >250 To 500, Deduct	-2.87	
For >500 To 1,000, Deduct	-4.75	
For >1,000, Deduct	-6.62	
26 05 33 13-1959 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	89.13	14.76
For >250 To 500, Deduct	-3.40	
For >500 To 1,000, Deduct	-5.63	
For >1,000, Deduct	-7.86	
26 05 33 13-1960 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	136.65	20.38
For >250 To 500, Deduct	-5.50	
For >500 To 1,000, Deduct	-8.91	
For >1,000, Deduct	-12.33	
26 05 33 13-1961 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	181.55	26.70
For >250 To 500, Deduct	-7.39	
For >500 To 1,000, Deduct	-11.93	
For >1,000, Deduct	-16.47	
26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-1963 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	14.41	4.22
26 05 33 13-1964 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	17.50	5.62
26 05 33 13-1965 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	22.18	7.02
26 05 33 13-1966 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	24.93	7.73
26 05 33 13-1967 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	29.54	9.14
26 05 33 13-1968 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	37.56	10.54
26 05 33 13-1969 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	66.09	12.65
26 05 33 13-1970 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	84.68	17.57
26 05 33 13-1971 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	104.31	20.38
26 05 33 13-1972 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	130.52	28.11
26 05 33 13-1973 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	319.42	38.65
26 05 33 13-1974 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	314.04	21.78



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1975		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
			Note: 90, 45, or 30 degree.		
26 05 33	13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	56.07	17.57
26 05 33	13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	65.29	21.78
26 05 33	13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	78.32	26.70
26 05 33	13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	92.46	30.92
26 05 33	13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	107.89	35.14
26 05 33	13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	129.81	38.65
26 05 33	13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	195.91	48.49
26 05 33	13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	290.19	66.06
26 05 33	13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	356.41	74.49
26 05 33	13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	413.22	96.98
26 05 33	13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	844.62	158.12
26 05 33	13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,324.38	237.54
26 05 33	13-1988		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33	13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	127.64	26.70
26 05 33	13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	143.95	30.92
26 05 33	13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	164.27	35.14
26 05 33	13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	194.86	38.65
26 05 33	13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	269.53	48.49
26 05 33	13-1994		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33	13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	140.98	26.70
26 05 33	13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	165.98	30.92
26 05 33	13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	180.07	35.14
26 05 33	13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	229.31	38.65
26 05 33	13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	302.76	48.49
26 05 33	13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	388.73	66.06
26 05 33	13-2001		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33	13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	156.93	26.70
26 05 33	13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	177.46	30.92
26 05 33	13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	200.34	35.14
26 05 33	13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	240.74	38.65
26 05 33	13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	340.94	48.49
26 05 33	13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	433.55	66.06
26 05 33	13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	544.14	74.49
26 05 33	13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	617.74	96.98
26 05 33	13-2010		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	184.47	26.70
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	204.40	30.92
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	230.93	35.14
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	284.79	38.65
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	409.27	48.49
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	509.50	66.06
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	590.51	74.49
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	702.87	96.98
26 05 33 13-2019		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	205.91	26.70
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	229.49	30.92
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	261.04	35.14
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	323.14	38.65
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	446.55	48.49
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	570.24	66.06
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	703.25	74.49
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	781.01	96.98
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,300.83	158.12
26 05 33 13-2029		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	233.94	26.70
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	259.79	30.92
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	294.05	35.14
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	365.67	38.65
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	508.68	48.49
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	647.64	66.06
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	759.75	74.49
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	881.90	96.98
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,371.53	158.12
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,883.04	237.54
26 05 33 13-2040		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	272.96	26.70
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	286.80	30.92
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	338.23	35.14
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	424.87	38.65
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	592.45	48.49
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	751.98	66.06
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	916.81	74.49
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,078.15	96.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2049 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,602.15	158.12
26 05 33 13-2050 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,988.90	237.54
26 05 33 13-2051 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2052 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	282.36	26.70
26 05 33 13-2053 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	332.50	30.92
26 05 33 13-2054 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	376.43	35.14
26 05 33 13-2055 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	442.68	38.65
26 05 33 13-2056 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	613.38	48.49
26 05 33 13-2057 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	784.07	66.06
26 05 33 13-2058 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,002.35	74.49
26 05 33 13-2059 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,122.66	96.98
26 05 33 13-2060 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,664.11	158.12
26 05 33 13-2061 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	2,042.69	237.54
26 05 33 13-2062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	97.51	17.57
26 05 33 13-2064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	107.07	21.78
26 05 33 13-2065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	138.54	26.70
26 05 33 13-2066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	198.85	30.92
26 05 33 13-2067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	235.52	35.14
26 05 33 13-2068 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	297.53	38.65
26 05 33 13-2069 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	395.13	48.49
26 05 33 13-2070 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	508.03	48.49
26 05 33 13-2071 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	658.86	74.49
26 05 33 13-2072 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	848.65	96.98
26 05 33 13-2073 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,539.93	158.12
26 05 33 13-2074 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,932.46	237.54
26 05 33 13-2075 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2076 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	99.61	17.57
26 05 33 13-2077 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	115.09	21.78
26 05 33 13-2078 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	142.81	26.70
26 05 33 13-2079 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	206.70	30.92
26 05 33 13-2080 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	246.42	35.14
26 05 33 13-2081 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	321.06	38.65
26 05 33 13-2082 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	445.49	48.49
26 05 33 13-2083 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	559.23	48.49
26 05 33 13-2084 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	751.43	74.49
26 05 33 13-2085 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	940.88	96.98
26 05 33 13-2086 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,709.00	158.12

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,205.46	237.54
26 05 33	13-2088		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33	13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.55	8.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06	
26 05 33	13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.11	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33	13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.72	13.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33	13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.31	15.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33	13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.30	17.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33	13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.24	9.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33	13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.52	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33	13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.16	13.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33	13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.90	15.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33	13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.08	17.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33	13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.51	19.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33	13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.40	9.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33	13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.69	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33	13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.47	13.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33	13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.23	15.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33	13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.41	17.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33	13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.37	19.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33	13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.69	9.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33	13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.99	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33	13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.94	13.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33	13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.64	15.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33	13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.96	17.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33	13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.08	19.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33	13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	98.15	23.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33	13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.67	33.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33	13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.86	9.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2115 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.30	10.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2116 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.27	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2117 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.04	15.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-2118 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.50	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2119 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.78	19.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-2120 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.54	23.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-2121 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.81	33.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-2122 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	157.76	37.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33 13-2123 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	186.06	48.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33 13-2124 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.18	9.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-2125 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.64	10.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2126 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.64	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2127 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.69	15.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-2128 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.18	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2129 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	75.26	19.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-2130 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.06	23.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-2131 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	140.52	33.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-2132 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.40	37.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33 13-2133 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	190.46	48.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33 13-2134 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	278.94	66.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06	
26 05 33 13-2135 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.78	9.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-2136 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.24	10.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2137 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.29	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2138 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.90	15.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-2139 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.63	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2140 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	76.73	19.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-2141 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.72	23.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-2142 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	150.77	33.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	168.63	37.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.02	48.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	302.21	66.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.72	9.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.16	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.74	13.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.21	15.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.58	17.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.93	19.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	131.61	23.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	164.78	33.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	191.73	37.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	229.39	48.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	318.15	66.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.71	9.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.13	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.16	13.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.56	15.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.59	17.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	94.52	19.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.18	23.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	182.74	33.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	215.99	37.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	270.27	48.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	349.98	66.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.73	9.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.48	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.26	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.79	13.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2171 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.71	15.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 33 13-2172 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	86.07	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2173 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	103.02	19.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	
26 05 33 13-2174 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.95	23.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-2175 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	209.65	33.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-2176 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	230.88	37.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35	
26 05 33 13-2177 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	282.81	48.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.09	
26 05 33 13-2178 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	354.52	66.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06	
 26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1868)</small>		
Note: Direct burial or encased application.		
 26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2179)</small>		
26 05 33 13-2181 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.87	1.59
<i>For Work In Restricted Working Space, Add</i>	1.20	
26 05 33 13-2182 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.93	1.72
<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 33 13-2183 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.62	1.84
<i>For Work In Restricted Working Space, Add</i>	1.38	
26 05 33 13-2184 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.31	1.96
<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 33 13-2185 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.22	2.08
<i>For Work In Restricted Working Space, Add</i>	1.57	
26 05 33 13-2186 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.74	2.21
<i>For Work In Restricted Working Space, Add</i>	1.66	
26 05 33 13-2187 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.67	2.33
<i>For Work In Restricted Working Space, Add</i>	1.75	
26 05 33 13-2188 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.95	2.45
<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 33 13-2189 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	19.73	2.57
<i>For Work In Restricted Working Space, Add</i>	1.93	
26 05 33 13-2190 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	21.51	2.70
<i>For Work In Restricted Working Space, Add</i>	2.03	
26 05 33 13-2191 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	25.49	2.82
<i>For Work In Restricted Working Space, Add</i>	2.12	
26 05 33 13-2192 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	30.42	2.94
<i>For Work In Restricted Working Space, Add</i>	2.21	
 26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2179)</small>		
26 05 33 13-2194 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	139.62	12.27
<i>For Work In Restricted Working Space, Add</i>	9.20	
<i>For 24" Radius, Add</i>	9.70	
<i>For 36" Radius, Add</i>	13.96	
<i>For 48" Radius, Add</i>	18.22	
26 05 33 13-2195 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	158.78	14.72
<i>For Work In Restricted Working Space, Add</i>	11.04	
<i>For 24" Radius, Add</i>	10.99	
<i>For 36" Radius, Add</i>	15.88	
<i>For 48" Radius, Add</i>	20.77	
26 05 33 13-2196 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	166.16	17.18
<i>For Work In Restricted Working Space, Add</i>	12.88	
<i>For 24" Radius, Add</i>	11.39	
<i>For 36" Radius, Add</i>	16.62	
<i>For 48" Radius, Add</i>	21.84	
26 05 33 13-2197 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	173.49	19.63
<i>For Work In Restricted Working Space, Add</i>	14.72	
<i>For 24" Radius, Add</i>	11.79	
<i>For 36" Radius, Add</i>	17.35	
<i>For 48" Radius, Add</i>	22.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2198	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	180.87	22.08
			<i>For Work In Restricted Working Space, Add</i>	16.56	
			<i>For 24" Radius, Add</i>	12.19	
			<i>For 36" Radius, Add</i>	18.09	
			<i>For 48" Radius, Add</i>	23.99	
26 05 33	13-2199	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	204.33	24.54
			<i>For Work In Restricted Working Space, Add</i>	18.40	
			<i>For 24" Radius, Add</i>	13.79	
			<i>For 36" Radius, Add</i>	20.43	
			<i>For 48" Radius, Add</i>	27.07	
26 05 33	13-2200	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	238.62	26.99
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For 24" Radius, Add</i>	16.21	
			<i>For 36" Radius, Add</i>	23.86	
			<i>For 48" Radius, Add</i>	31.51	
26 05 33	13-2201	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	278.98	29.44
			<i>For Work In Restricted Working Space, Add</i>	22.08	
			<i>For 24" Radius, Add</i>	19.08	
			<i>For 36" Radius, Add</i>	27.90	
			<i>For 48" Radius, Add</i>	36.71	
26 05 33	13-2202	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	316.92	34.35
			<i>For Work In Restricted Working Space, Add</i>	25.76	
			<i>For 24" Radius, Add</i>	21.62	
			<i>For 36" Radius, Add</i>	31.69	
			<i>For 48" Radius, Add</i>	41.76	
26 05 33	13-2203	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	354.85	44.16
			<i>For Work In Restricted Working Space, Add</i>	29.44	
			<i>For 24" Radius, Add</i>	24.16	
			<i>For 36" Radius, Add</i>	35.49	
			<i>For 48" Radius, Add</i>	46.81	
26 05 33	13-2204	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	431.30	44.16
			<i>For Work In Restricted Working Space, Add</i>	33.12	
			<i>For 24" Radius, Add</i>	29.59	
			<i>For 36" Radius, Add</i>	43.13	
			<i>For 48" Radius, Add</i>	56.67	
26 05 33	13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	523.80	49.07
			<i>For Work In Restricted Working Space, Add</i>	36.81	
			<i>For 24" Radius, Add</i>	36.22	
			<i>For 36" Radius, Add</i>	52.38	
			<i>For 48" Radius, Add</i>	68.54	
26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-2179)</small>					
26 05 33	13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	62.29	6.87
			<i>For Work In Restricted Working Space, Add</i>	5.15	
26 05 33	13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	69.90	7.85
			<i>For Work In Restricted Working Space, Add</i>	5.89	
26 05 33	13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	72.87	8.83
			<i>For Work In Restricted Working Space, Add</i>	6.62	
26 05 33	13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	75.75	9.81
			<i>For Work In Restricted Working Space, Add</i>	7.36	
26 05 33	13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	79.23	10.80
			<i>For Work In Restricted Working Space, Add</i>	8.10	
26 05 33	13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	91.65	11.78
			<i>For Work In Restricted Working Space, Add</i>	8.83	
26 05 33	13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	108.00	13.25
			<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33	13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	126.65	14.72
			<i>For Work In Restricted Working Space, Add</i>	11.04	
26 05 33	13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	144.02	17.18
			<i>For Work In Restricted Working Space, Add</i>	12.88	
26 05 33	13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	161.38	19.63
			<i>For Work In Restricted Working Space, Add</i>	14.72	
26 05 33	13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	195.59	22.08
			<i>For Work In Restricted Working Space, Add</i>	16.56	
26 05 33	13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	236.76	24.54
			<i>For Work In Restricted Working Space, Add</i>	18.40	
26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-2179)</small>					
26 05 33	13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	42.63	6.87
			<i>For Work In Restricted Working Space, Add</i>	5.15	
26 05 33	13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	47.91	7.85
			<i>For Work In Restricted Working Space, Add</i>	5.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2222 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	50.66 6.62	8.83
26 05 33 13-2223 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	53.42 7.36	9.81
26 05 33 13-2224 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	56.17 8.10	10.80
26 05 33 13-2225 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	58.79 8.83	11.78
26 05 33 13-2226 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	68.34 9.94	13.25
26 05 33 13-2227 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	79.07 11.04	14.72
26 05 33 13-2228 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	90.50 12.88	17.18
26 05 33 13-2229 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	101.91 14.72	19.63
26 05 33 13-2230 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	121.31 16.56	22.08
26 05 33 13-2231 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	143.91 18.40	24.54

26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-2179)

26 05 33 13-2233 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	41.45 2.94	3.93
26 05 33 13-2234 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	46.22 3.32	4.42
26 05 33 13-2235 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	47.82 3.68	4.91
26 05 33 13-2236 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	49.27 4.05	5.40
26 05 33 13-2237 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	51.30 4.42	5.89
26 05 33 13-2238 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	60.74 5.15	6.87
26 05 33 13-2239 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	73.10 6.26	8.34
26 05 33 13-2240 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	87.22 7.36	9.81
26 05 33 13-2241 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	101.18 9.20	12.27
26 05 33 13-2242 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	115.14 11.04	14.72
26 05 33 13-2243 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	140.83 12.88	17.18
26 05 33 13-2244 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	171.48 14.72	19.63

26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-2179)

26 05 33 13-2246 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	96.21 18.40	24.54
26 05 33 13-2247 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	112.29 22.08	29.44
26 05 33 13-2248 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	124.99 25.76	34.35
26 05 33 13-2249 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	137.50 29.44	39.26
26 05 33 13-2250 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	144.54 31.28	41.71
26 05 33 13-2251 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	158.33 33.12	44.16
26 05 33 13-2252 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	174.06 34.97	46.62
26 05 33 13-2253 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	191.70 36.81	49.07
26 05 33 13-2254 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	206.45 38.65	51.53
26 05 33 13-2255 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	221.22 40.49	53.98
26 05 33 13-2256 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	248.91 42.33	56.43
26 05 33 13-2257 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	282.01 44.17	58.89

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2179)</small>		
26 05 33 13-2259 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	110.37	24.54
<i>For Work In Restricted Working Space, Add</i>	18.40	
26 05 33 13-2260 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	128.16	29.44
<i>For Work In Restricted Working Space, Add</i>	22.08	
26 05 33 13-2261 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	140.95	34.35
<i>For Work In Restricted Working Space, Add</i>	25.76	
26 05 33 13-2262 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	153.63	39.26
<i>For Work In Restricted Working Space, Add</i>	29.44	
26 05 33 13-2263 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	160.80	41.71
<i>For Work In Restricted Working Space, Add</i>	31.28	
26 05 33 13-2264 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	176.90	44.16
<i>For Work In Restricted Working Space, Add</i>	33.12	
26 05 33 13-2265 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	196.34	46.62
<i>For Work In Restricted Working Space, Add</i>	34.97	
26 05 33 13-2266 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	218.44	49.07
<i>For Work In Restricted Working Space, Add</i>	36.81	
26 05 33 13-2267 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	236.55	51.53
<i>For Work In Restricted Working Space, Add</i>	38.65	
26 05 33 13-2268 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	254.67	53.98
<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-2269 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	290.84	56.43
<i>For Work In Restricted Working Space, Add</i>	42.33	
26 05 33 13-2270 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	334.42	58.89
<i>For Work In Restricted Working Space, Add</i>	44.17	
26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2179)</small>		
26 05 33 13-2272 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	133.76	6.87
<i>For Work In Restricted Working Space, Add</i>	5.15	
26 05 33 13-2273 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	149.14	7.85
<i>For Work In Restricted Working Space, Add</i>	5.89	
26 05 33 13-2274 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	155.57	8.83
<i>For Work In Restricted Working Space, Add</i>	6.62	
26 05 33 13-2275 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	162.18	9.81
<i>For Work In Restricted Working Space, Add</i>	7.36	
26 05 33 13-2276 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	166.77	10.80
<i>For Work In Restricted Working Space, Add</i>	8.10	
26 05 33 13-2277 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	182.52	11.78
<i>For Work In Restricted Working Space, Add</i>	8.83	
26 05 33 13-2278 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	216.85	13.25
<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33 13-2279 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	257.14	14.72
<i>For Work In Restricted Working Space, Add</i>	11.04	
26 05 33 13-2280 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	290.84	17.18
<i>For Work In Restricted Working Space, Add</i>	12.88	
26 05 33 13-2281 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	324.52	19.63
<i>For Work In Restricted Working Space, Add</i>	14.72	
26 05 33 13-2282 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	399.63	22.08
<i>For Work In Restricted Working Space, Add</i>	16.56	
26 05 33 13-2283 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	489.19	24.54
<i>For Work In Restricted Working Space, Add</i>	18.40	
26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2179)</small>		
26 05 33 13-2285 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	134.99	24.54
<i>For Work In Restricted Working Space, Add</i>	18.40	
26 05 33 13-2286 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	155.46	29.44
<i>For Work In Restricted Working Space, Add</i>	22.08	
26 05 33 13-2287 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	186.99	34.35
<i>For Work In Restricted Working Space, Add</i>	25.76	
26 05 33 13-2288 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	234.46	39.26
<i>For Work In Restricted Working Space, Add</i>	29.44	
26 05 33 13-2289 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	291.16	41.71
<i>For Work In Restricted Working Space, Add</i>	31.28	
26 05 33 13-2290 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	387.37	44.16
<i>For Work In Restricted Working Space, Add</i>	33.12	
26 05 33 13-2291 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	552.37	46.62
<i>For Work In Restricted Working Space, Add</i>	34.97	
26 05 33 13-2292 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	663.10	49.07
<i>For Work In Restricted Working Space, Add</i>	36.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2293 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	793.44	51.53
<i>For Work In Restricted Working Space, Add</i>	38.65	
26 05 33 13-2294 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	923.79	53.98
<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-2295 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	1,078.09	56.43
<i>For Work In Restricted Working Space, Add</i>	42.33	
26 05 33 13-2296 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	1,737.96	58.89
<i>For Work In Restricted Working Space, Add</i>	44.17	
26 05 33 13-2297 Spacers <small>(26 05 33 13-1868)</small>		
<small>Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.</small>		
26 05 33 13-2298 EA 1" Base Spacers, Average 4" Wide, Direct Burial.....	12.91	
26 05 33 13-2299 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	13.88	
26 05 33 13-2300 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	15.37	
26 05 33 13-2301 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	16.55	
26 05 33 13-2302 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	15.50	
26 05 33 13-2303 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	16.64	
26 05 33 13-2304 EA 2" Base Spacer, Average 4" Wide, Direct Burial.....	19.26	
26 05 33 13-2305 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	17.87	
26 05 33 13-2306 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	21.28	
26 05 33 13-2307 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	20.58	
26 05 33 13-2308 EA 3" Base Spacer, Average 4" Wide, Direct Burial.....	24.36	
26 05 33 13-2309 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial.....	23.26	
26 05 33 13-2310 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	26.40	
26 05 33 13-2311 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	25.24	
26 05 33 13-2312 EA 4" Base Spacer, Average 4" Wide, Direct Burial.....	27.19	
26 05 33 13-2313 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	25.95	
26 05 33 13-2314 EA 5" Base Spacer, Average 4" Wide, Direct Burial.....	30.07	
26 05 33 13-2315 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial.....	28.58	
26 05 33 13-2316 EA 6" Base Spacer, Average 4" Wide, Direct Burial.....	33.87	
26 05 33 13-2317 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial.....	32.63	
26 05 33 13-2318 Conduit Field Bending <small>(26 05 33 13-0058)</small>		
26 05 33 13-2319 Metallic Conduit Field Bending <small>(26 05 33 13-2318)</small>		
<small>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.</small>		
26 05 33 13-2320 EA 1-1/4" Metallic Conduit Field Bending.....	23.59	
26 05 33 13-2321 EA 1-1/2" Metallic Conduit Field Bending.....	31.44	
26 05 33 13-2322 EA 2" Metallic Conduit Field Bending.....	39.30	
26 05 33 13-2323 EA 2-1/2" Metallic Conduit Field Bending.....	55.03	
26 05 33 13-2324 EA 3" Metallic Conduit Field Bending.....	70.75	
26 05 33 13-2325 EA 3-1/2" Metallic Conduit Field Bending.....	86.46	
26 05 33 13-2326 EA 4" Metallic Conduit Field Bending.....	102.19	
26 05 33 13-2327 EA 5" Metallic Conduit Field Bending.....	125.78	
26 05 33 13-2328 EA 6" Metallic Conduit Field Bending.....	149.35	
26 05 33 13-2329 Plastic Conduit Field Bending <small>(26 05 33 13-2318)</small>		
<small>Note: For PVC conduits.</small>		
26 05 33 13-2330 EA 1" Plastic Conduit Field Bending.....	36.16	
26 05 33 13-2331 EA 1-1/4" Plastic Conduit Field Bending.....	39.30	
26 05 33 13-2332 EA 1-1/2" Plastic Conduit Field Bending.....	47.16	
26 05 33 13-2333 EA 2" Plastic Conduit Field Bending.....	62.89	
26 05 33 13-2334 EA 2-1/2" Plastic Conduit Field Bending.....	78.61	
26 05 33 13-2335 EA 3" Plastic Conduit Field Bending.....	94.33	
26 05 33 13-2336 EA 3-1/2" Plastic Conduit Field Bending.....	110.05	
26 05 33 13-2337 EA 4" Plastic Conduit Field Bending.....	125.78	
26 05 33 13-2338 EA 5" Plastic Conduit Field Bending.....	141.50	
26 05 33 13-2339 EA 6" Plastic Conduit Field Bending.....	157.22	
26 05 33 13-2340 Cut And Thread Existing In-Place Threaded Conduit <small>(26 05 33 13-0058)</small>		
<small>Note: For use when connecting conduit to an existing in-place system.</small>		
26 05 33 13-2341 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit.....	46.21	
<i>For Work In Restricted Working Space, Add</i>	13.86	
26 05 33 13-2342 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit.....	50.82	
<i>For Work In Restricted Working Space, Add</i>	15.25	
26 05 33 13-2343 EA 1", Cut And Thread Existing In-Place Threaded Conduit.....	55.45	
<i>For Work In Restricted Working Space, Add</i>	16.64	
26 05 33 13-2344 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	60.07	
<i>For Work In Restricted Working Space, Add</i>	18.02	
26 05 33 13-2345 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	63.15	
<i>For Work In Restricted Working Space, Add</i>	18.95	
26 05 33 13-2346 EA 2", Cut And Thread Existing In-Place Threaded Conduit.....	66.23	
<i>For Work In Restricted Working Space, Add</i>	19.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2347 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	69.31	
<i>For Work In Restricted Working Space, Add</i>	20.79	
26 05 33 13-2348 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	72.39	
<i>For Work In Restricted Working Space, Add</i>	21.72	
26 05 33 13-2349 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	73.93	
<i>For Work In Restricted Working Space, Add</i>	22.18	
26 05 33 13-2350 EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	75.47	
<i>For Work In Restricted Working Space, Add</i>	22.64	
26 05 33 13-2351 EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	78.55	
<i>For Work In Restricted Working Space, Add</i>	23.57	
26 05 33 13-2352 EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	81.63	
<i>For Work In Restricted Working Space, Add</i>	24.49	
26 05 33 13-2353 Flexible Conduit <small>(26 05 33 13-0058)</small>		
26 05 33 13-2354 Flexible Liquid Tight Metallic Conduit And Connectors <small>(26 05 33 13-2353)</small>		
Note: Steel inner core with PVC cover.		
26 05 33 13-2355 Flexible Liquid Tight Metallic Conduit <small>(26 05 33 13-2354)</small>		
26 05 33 13-2356 LF 3/8" Flexible Liquid Tight Metallic Conduit.....	5.57	1.68
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.63	
<i>For Work In Restricted Working Space, Add</i>	1.27	
26 05 33 13-2357 LF 1/2" Flexible Liquid Tight Metallic Conduit.....	5.77	1.68
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.63	
<i>For Work In Restricted Working Space, Add</i>	1.27	
26 05 33 13-2358 LF 3/4" Flexible Liquid Tight Metallic Conduit.....	7.72	2.24
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-2359 LF 1" Flexible Liquid Tight Metallic Conduit.....	8.79	2.24
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-2360 LF 1-1/4" Flexible Liquid Tight Metallic Conduit.....	11.34	2.82
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.05	
<i>For Work In Restricted Working Space, Add</i>	2.11	
26 05 33 13-2361 LF 1-1/2" Flexible Liquid Tight Metallic Conduit.....	14.50	3.38
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.27	
<i>For Work In Restricted Working Space, Add</i>	2.53	
26 05 33 13-2362 LF 2" Flexible Liquid Tight Metallic Conduit.....	19.09	4.50
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	3.37	
26 05 33 13-2363 LF 2-1/2" Flexible Liquid Tight Metallic Conduit.....	25.61	5.06
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.90	
<i>For Work In Restricted Working Space, Add</i>	3.80	
26 05 33 13-2364 LF 3" Flexible Liquid Tight Metallic Conduit.....	37.25	6.18
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.64	
26 05 33 13-2365 LF 4" Flexible Liquid Tight Metallic Conduit.....	50.78	7.88
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.95	
<i>For Work In Restricted Working Space, Add</i>	5.90	
26 05 33 13-2366 Straight Liquid Tight Connector <small>(26 05 33 13-2354)</small>		
26 05 33 13-2367 EA 3/8" Straight Liquid Tight Connector.....	15.08	4.50
<i>For Work In Restricted Working Space, Add</i>	3.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 05 33 13-2368 EA 1/2" Straight Liquid Tight Connector.....	15.08	4.50
<i>For Work In Restricted Working Space, Add</i>	3.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 05 33 13-2369 EA 3/4" Straight Liquid Tight Connector.....	18.16	5.06
<i>For Work In Restricted Working Space, Add</i>	3.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2370 EA 1" Straight Liquid Tight Connector.....	23.89	5.62
<i>For Work In Restricted Working Space, Add</i>	4.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-2371 EA 1-1/4" Straight Liquid Tight Connector.....	30.32	6.18
<i>For Work In Restricted Working Space, Add</i>	4.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.64	
26 05 33 13-2372 EA 1-1/2" Straight Liquid Tight Connector.....	38.06	6.74
<i>For Work In Restricted Working Space, Add</i>	5.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06	
26 05 33 13-2373 EA 2" Straight Liquid Tight Connector.....	51.97	7.88
<i>For Work In Restricted Working Space, Add</i>	5.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2374 EA 2-1/2" Straight Liquid Tight Connector.....	171.90	10.12
<i>For Work In Restricted Working Space, Add</i>	7.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.59	
26 05 33 13-2375 EA 3" Straight Liquid Tight Connector.....	220.85	10.68
<i>For Work In Restricted Working Space, Add</i>	8.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2376 EA 4" Straight Liquid Tight Connector.....	271.23	15.74
<i>For Work In Restricted Working Space, Add</i>	11.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.81	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2377 90 Degree Angle Liquid Tight Connector <small>(26 05 33 13-2354)</small>				
26 05 33 13-2378	EA 3/8" 90 Degree Angle Liquid Tight Connector.....	21.88		6.18
	<i>For Work In Restricted Working Space, Add</i>	4.64		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.64		
26 05 33 13-2379	EA 1/2" 90 Degree Angle Liquid Tight Connector.....	22.71		6.18
	<i>For Work In Restricted Working Space, Add</i>	4.64		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.64		
26 05 33 13-2380	EA 3/4" 90 Degree Angle Liquid Tight Connector.....	25.58		6.74
	<i>For Work In Restricted Working Space, Add</i>	5.06		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06		
26 05 33 13-2381	EA 1" 90 Degree Angle Liquid Tight Connector.....	35.53		7.88
	<i>For Work In Restricted Working Space, Add</i>	5.90		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90		
26 05 33 13-2382	EA 1-1/4" 90 Degree Angle Liquid Tight Connector.....	44.26		8.44
	<i>For Work In Restricted Working Space, Add</i>	6.32		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32		
26 05 33 13-2383	EA 1-1/2" 90 Degree Angle Liquid Tight Connector.....	53.28		9.00
	<i>For Work In Restricted Working Space, Add</i>	6.75		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75		
26 05 33 13-2384	EA 2" 90 Degree Angle Liquid Tight Connector.....	69.87		10.12
	<i>For Work In Restricted Working Space, Add</i>	7.59		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.59		
26 05 33 13-2385	EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	238.99		10.68
	<i>For Work In Restricted Working Space, Add</i>	8.01		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01		
26 05 33 13-2386	EA 3" 90 Degree Angle Liquid Tight Connector.....	282.32		12.36
	<i>For Work In Restricted Working Space, Add</i>	9.28		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28		
26 05 33 13-2387	EA 4" 90 Degree Angle Liquid Tight Connector.....	391.40		19.68
	<i>For Work In Restricted Working Space, Add</i>	14.76		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.76		
26 05 33 13-2388 45 Degree Angle Connector <small>(26 05 33 13-2354)</small>				
26 05 33 13-2389	EA 3/8" 45 Degree Angle Liquid Tight Connector.....	21.60		6.18
	<i>For Work In Restricted Working Space, Add</i>	4.64		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.64		
26 05 33 13-2390	EA 1/2" 45 Degree Angle Liquid Tight Connector.....	21.80		6.18
	<i>For Work In Restricted Working Space, Add</i>	4.64		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.64		
26 05 33 13-2391	EA 3/4" 45 Degree Angle Liquid Tight Connector.....	25.58		6.74
	<i>For Work In Restricted Working Space, Add</i>	5.06		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06		
26 05 33 13-2392	EA 1" 45 Degree Angle Liquid Tight Connector.....	37.79		7.88
	<i>For Work In Restricted Working Space, Add</i>	5.90		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90		
26 05 33 13-2393	EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	42.79		8.44
	<i>For Work In Restricted Working Space, Add</i>	6.32		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32		
26 05 33 13-2394	EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	47.81		9.00
	<i>For Work In Restricted Working Space, Add</i>	6.75		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75		
26 05 33 13-2395 Flexible Metallic Conduit And Connectors <small>(26 05 33 13-2353)</small>				
26 05 33 13-2396 Flexible Steel Conduit <small>(26 05 33 13-2395)</small>				
26 05 33 13-2397	LF 3/8" Flexible Metallic Conduit.....	5.28		1.84
	<i>For Flexible Aluminum Conduit, Add</i>	0.13		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68		
	<i>For Installation In Metal Stud Wall, Add</i>	0.45		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.13		
	<i>For Work In Restricted Working Space, Add</i>	1.35		
26 05 33 13-2398	LF 1/2" Flexible Metallic Conduit.....	5.47		1.84
	<i>For Flexible Aluminum Conduit, Add</i>	0.14		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.69		
	<i>For Installation In Metal Stud Wall, Add</i>	0.46		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.16		
	<i>For Work In Restricted Working Space, Add</i>	1.39		
26 05 33 13-2399	LF 3/4" Flexible Metallic Conduit.....	6.16		2.46
	<i>For Flexible Aluminum Conduit, Add</i>	0.19		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.75		
	<i>For Installation In Metal Stud Wall, Add</i>	0.50		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.25		
	<i>For Work In Restricted Working Space, Add</i>	1.50		
26 05 33 13-2400	LF 1" Flexible Metallic Conduit.....	7.54		2.46
	<i>For Flexible Aluminum Conduit, Add</i>	0.36		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.81		
	<i>For Installation In Metal Stud Wall, Add</i>	0.54		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.35		
	<i>For Work In Restricted Working Space, Add</i>	1.61		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2401	LF	1-1/4" Flexible Metallic Conduit.....	8.50	3.08
			<i>For Flexible Aluminum Conduit, Add</i>	0.46	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.85	
			<i>For Installation In Metal Stud Wall, Add</i>	0.57	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	1.71	
26 05 33	13-2402	LF	1-1/2" Flexible Metallic Conduit.....	10.85	3.70
			<i>For Flexible Aluminum Conduit, Add</i>	0.81	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.89	
			<i>For Installation In Metal Stud Wall, Add</i>	0.59	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	1.78	
26 05 33	13-2403	LF	2" Flexible Metallic Conduit.....	12.19	4.92
			<i>For Flexible Aluminum Conduit, Add</i>	1.00	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.92	
			<i>For Installation In Metal Stud Wall, Add</i>	0.62	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 33	13-2404	LF	2-1/2" Flexible Steel Conduit.....	15.00	5.54
			<i>For Flexible Aluminum Conduit, Add</i>	1.21	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.15	
			<i>For Installation In Metal Stud Wall, Add</i>	0.77	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.92	
			<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 33	13-2405	LF	3" Flexible Metallic Conduit.....	21.94	6.77
			<i>For Flexible Aluminum Conduit, Add</i>	2.10	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.38	
			<i>For Installation In Metal Stud Wall, Add</i>	0.92	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	2.77	
26 05 33	13-2406	LF	3-1/2" Flexible Metallic Conduit.....	26.79	7.38
			<i>For Flexible Aluminum Conduit, Add</i>	2.64	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.62	
			<i>For Installation In Metal Stud Wall, Add</i>	1.08	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33	13-2407	LF	4" Flexible Metallic Conduit.....	30.78	8.62
			<i>For Flexible Aluminum Conduit, Add</i>	3.05	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.85	
			<i>For Installation In Metal Stud Wall, Add</i>	1.23	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 33	13-2408		Plain Squeeze Type Straight Connector (26 05 33 13-2395)		
26 05 33	13-2409	EA	3/8" Flexible Straight Connectors, Plain.....	8.87	4.92
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33	13-2410	EA	1/2" Flexible Straight Connectors, Plain.....	10.78	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33	13-2411	EA	3/4" Flexible Straight Connectors, Plain.....	12.49	6.77
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33	13-2412	EA	1" Flexible Straight Connectors, Plain.....	19.45	7.38
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33	13-2413	EA	1-1/4" Flexible Straight Connectors, Plain.....	27.10	8.62
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33	13-2414	EA	1-1/2" Flexible Straight Connectors, Plain.....	35.49	10.46
			<i>For Work In Restricted Working Space, Add</i>	5.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33	13-2415	EA	2" Flexible Straight Connectors, Plain.....	46.20	10.46
			<i>For Work In Restricted Working Space, Add</i>	6.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 33	13-2416	EA	2-1/2" Flexible Straight Connectors, Plain.....	72.36	12.92
			<i>For Work In Restricted Working Space, Add</i>	8.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.08	
26 05 33	13-2417	EA	3" Flexible Straight Connectors, Plain.....	93.76	14.15
			<i>For Work In Restricted Working Space, Add</i>	9.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 33	13-2418	EA	3-1/2" Flexible Straight Connectors, Plain.....	278.26	16.61
			<i>For Work In Restricted Working Space, Add</i>	10.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.38	
26 05 33	13-2419	EA	4" Flexible Straight Connectors, Plain.....	346.70	20.31
			<i>For Work In Restricted Working Space, Add</i>	11.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 33	13-2420		Insulated Throat Squeeze Type Straight Connector (26 05 33 13-2395)		
26 05 33	13-2421	EA	1/2" Flexible Straight Connectors, Insulated.....	11.85	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2422 EA 3/4" Flexible Straight Connectors, Insulated.....	13.89	6.77
For Work In Restricted Working Space, Add	2.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.77	
26 05 33 13-2423 EA 1" Flexible Straight Connectors, Insulated.....	21.36	7.38
For Work In Restricted Working Space, Add	3.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.69	
26 05 33 13-2424 EA 1-1/4" Flexible Straight Connectors, Insulated.....	30.60	8.62
For Work In Restricted Working Space, Add	4.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-2425 EA 1-1/2" Flexible Straight Connectors, Insulated.....	41.70	9.23
For Work In Restricted Working Space, Add	5.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 05 33 13-2426 EA 2" Flexible Straight Connectors, Insulated.....	57.18	10.46
For Work In Restricted Working Space, Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-2427 EA 2-1/2" Flexible Straight Connectors, Insulated.....	95.86	12.92
For Work In Restricted Working Space, Add	8.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.08	
26 05 33 13-2428 EA 3" Flexible Straight Connectors, Insulated.....	121.46	14.15
For Work In Restricted Working Space, Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-2429 EA 3-1/2" Flexible Straight Connectors, Insulated.....	320.95	16.61
For Work In Restricted Working Space, Add	10.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.38	
26 05 33 13-2430 EA 4" Flexible Straight Connectors, Insulated.....	410.89	20.31
For Work In Restricted Working Space, Add	11.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2432 EA 3/8" Flexible 90 Degree Connector, Plain.....	12.35	6.15
For Work In Restricted Working Space, Add	2.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.77	
26 05 33 13-2433 EA 1/2" Flexible 90 Degree Connector, Plain.....	16.00	6.77
For Work In Restricted Working Space, Add	3.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.23	
26 05 33 13-2434 EA 3/4" Flexible 90 Degree Connector, Plain.....	20.48	7.38
For Work In Restricted Working Space, Add	3.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.69	
26 05 33 13-2435 EA 1" Flexible 90 Degree Connector, Plain.....	28.30	8.62
For Work In Restricted Working Space, Add	4.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-2436 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	42.98	9.23
For Work In Restricted Working Space, Add	5.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-2437 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	65.92	10.77
For Work In Restricted Working Space, Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-2438 EA 2" Flexible 90 Degree Connector, Plain.....	79.14	13.23
For Work In Restricted Working Space, Add	7.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.85	
26 05 33 13-2439 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	168.87	14.15
For Work In Restricted Working Space, Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-2440 EA 3" Flexible 90 Degree Connector, Plain.....	215.93	16.61
For Work In Restricted Working Space, Add	10.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.38	
26 05 33 13-2441 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	450.80	20.31
For Work In Restricted Working Space, Add	11.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 33 13-2442 EA 4" Flexible 90 Degree Connector, Plain.....	800.69	23.07
For Work In Restricted Working Space, Add	13.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.85	
26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2444 EA 1/2" Flexible 90 Degree Connector, Insulated.....	17.47	6.77
For Work In Restricted Working Space, Add	3.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.23	
26 05 33 13-2445 EA 3/4" Flexible 90 Degree Connector, Insulated.....	22.31	7.38
For Work In Restricted Working Space, Add	3.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.69	
26 05 33 13-2446 EA 1" Flexible 90 Degree Connector, Insulated.....	28.30	8.62
For Work In Restricted Working Space, Add	4.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-2447 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	49.46	9.23
For Work In Restricted Working Space, Add	5.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-2448 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	77.69	10.77
For Work In Restricted Working Space, Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-2449 EA 2" Flexible 90 Degree Connector, Insulated.....	98.27	13.23
For Work In Restricted Working Space, Add	7.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2450 EA 2-1/2" Flexible 90 Degree Connector, Insulated	228.69	14.15
<i>For Work In Restricted Working Space, Add</i>	9.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 33 13-2451 EA 3" Flexible 90 Degree Connector, Insulated	280.74	16.61
<i>For Work In Restricted Working Space, Add</i>	10.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.38	
26 05 33 13-2452 EA 3-1/2" Flexible 90 Degree Connector, Insulated	744.54	20.31
<i>For Work In Restricted Working Space, Add</i>	11.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 33 13-2453 EA 4" Flexible 90 Degree Connector, Insulated	1,108.34	23.07
<i>For Work In Restricted Working Space, Add</i>	13.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.85	
26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector (26 05 33 13-2395)		
26 05 33 13-2455 EA 3/8" Flexible 45 Degree Connector, Plain	13.54	6.15
<i>For Work In Restricted Working Space, Add</i>	2.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-2456 EA 1/2" Flexible 45 Degree Connector, Plain	17.91	6.77
<i>For Work In Restricted Working Space, Add</i>	3.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-2457 EA 3/4" Flexible 45 Degree Connector, Plain	22.61	7.38
<i>For Work In Restricted Working Space, Add</i>	3.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-2395)		
26 05 33 13-2459 EA 3/8" Flexible 45 Degree Connector, Insulated	14.37	7.38
<i>For Work In Restricted Working Space, Add</i>	2.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-2460 EA 1/2" Flexible 45 Degree Connector, Insulated	19.26	6.77
<i>For Work In Restricted Working Space, Add</i>	3.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-2461 EA 3/4" Flexible 45 Degree Connector, Insulated	24.53	7.38
<i>For Work In Restricted Working Space, Add</i>	3.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2462 Plain Screw-In Connector (26 05 33 13-2395)		
26 05 33 13-2463 EA 3/8" Flexible Steel Screw-in Connector, Plain	7.64	4.92
<i>For Work In Restricted Working Space, Add</i>	2.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-2464 EA 1/2" Flexible Steel Screw-in Connector, Plain	8.29	5.54
<i>For Work In Restricted Working Space, Add</i>	2.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-2465 EA 3/4" Flexible Steel Screw-in Connector, Plain	10.44	6.77
<i>For Work In Restricted Working Space, Add</i>	2.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-2466 EA 1" Flexible Steel Screw-in Connector, Plain	14.74	7.38
<i>For Work In Restricted Working Space, Add</i>	3.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2467 EA 1-1/4" Flexible Steel Screw-in Connector, Plain	21.10	8.62
<i>For Work In Restricted Working Space, Add</i>	4.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2468 EA 1-1/2" Flexible Steel Screw-in Connector, Plain	25.87	9.23
<i>For Work In Restricted Working Space, Add</i>	5.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33 13-2469 EA 2" Flexible Steel Screw-in Connector, Plain	36.88	10.46
<i>For Work In Restricted Working Space, Add</i>	6.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 33 13-2470 Insulated Screw-In Connector (26 05 33 13-2395)		
26 05 33 13-2471 EA 3/8" Flexible Steel Screw-in Connector, Insulated	8.00	4.92
<i>For Work In Restricted Working Space, Add</i>	2.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-2472 EA 1/2" Flexible Steel Screw-in Connector, Insulated	8.57	5.54
<i>For Work In Restricted Working Space, Add</i>	2.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-2473 EA 3/4" Flexible Steel Screw-in Connector, Insulated	11.17	6.77
<i>For Work In Restricted Working Space, Add</i>	2.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-2474 EA 1" Flexible Steel Screw-in Connector, Insulated	15.85	7.38
<i>For Work In Restricted Working Space, Add</i>	3.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2475 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated	22.68	8.62
<i>For Work In Restricted Working Space, Add</i>	4.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2476 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated	27.76	9.23
<i>For Work In Restricted Working Space, Add</i>	5.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33 13-2477 EA 2" Flexible Steel Screw-in Connector, Insulated	38.54	10.46
<i>For Work In Restricted Working Space, Add</i>	6.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2478 Screw-In Coupling <small>(26 05 33 13-2395)</small>		
26 05 33 13-2479 EA 1/2" Flexible Steel Screw-in Coupling 8.98	8.98	5.54
<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 33 13-2480 EA 3/4" Flexible Steel Screw-in Coupling 11.59	11.59	6.77
<i>For Work In Restricted Working Space, Add</i>	2.77	
26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-2395)</small>		
26 05 33 13-2482 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling 11.31	11.31	4.92
<i>For Work In Restricted Working Space, Add</i>	2.08	
26 05 33 13-2483 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling 15.01	15.01	5.54
<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 33 13-2484 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling 19.64	19.64	6.77
<i>For Work In Restricted Working Space, Add</i>	2.77	
26 05 33 13-2485 Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2486 EA 3/8" Flexible Straight Connector, Die Cast 7.86	7.86	4.92
<i>For Work In Restricted Working Space, Add</i>	2.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-2487 EA 1/2" Flexible Straight Connector, Die Cast 8.86	8.86	5.54
<i>For Work In Restricted Working Space, Add</i>	2.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-2488 EA 3/4" Flexible Straight Connector, Die Cast 10.93	10.93	6.77
<i>For Work In Restricted Working Space, Add</i>	2.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-2489 EA 1" Flexible Straight Connector, Die Cast 16.10	16.10	7.38
<i>For Work In Restricted Working Space, Add</i>	3.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2490 EA 1-1/4" Flexible Straight Connector, Die Cast 21.44	21.44	8.62
<i>For Work In Restricted Working Space, Add</i>	4.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2491 EA 1-1/2" Flexible Straight Connector, Die Cast 28.71	28.71	9.23
<i>For Work In Restricted Working Space, Add</i>	5.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33 13-2492 EA 2" Flexible Straight Connector, Die Cast 36.73	36.73	10.46
<i>For Work In Restricted Working Space, Add</i>	6.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2494 EA 3/8" Flexible 90 Degree Connector, Die Cast 10.43	10.43	6.15
<i>For Work In Restricted Working Space, Add</i>	2.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-2495 EA 1/2" Flexible 90 Degree Connector, Die Cast 12.78	12.78	6.77
<i>For Work In Restricted Working Space, Add</i>	3.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-2496 EA 3/4" Flexible 90 Degree Connector, Die Cast 15.33	15.33	7.38
<i>For Work In Restricted Working Space, Add</i>	3.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2497 EA 1" Flexible 90 Degree Connector, Die Cast 23.41	23.41	8.62
<i>For Work In Restricted Working Space, Add</i>	4.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2498 EA 1-1/4" Flexible 90 Degree Connector, Die Cast 32.45	32.45	9.23
<i>For Work In Restricted Working Space, Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-2499 EA 1-1/2" Flexible 90 Degree Connector, Die Cast 49.19	49.19	10.77
<i>For Work In Restricted Working Space, Add</i>	6.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 33 13-2500 EA 2" Flexible 90 Degree Connector, Die Cast 58.50	58.50	13.23
<i>For Work In Restricted Working Space, Add</i>	7.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 33 13-2501 Flexible Liquid Tight Non-Metallic Conduit And Connectors <small>(26 05 33 13-2353)</small>		
26 05 33 13-2502 Flexible Liquid Tight Non-Metallic Conduit <small>(26 05 33 13-2501)</small>		
26 05 33 13-2503 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit 5.11	5.11	1.68
<i>For Work In Restricted Working Space, Add</i>	1.27	
26 05 33 13-2504 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit 5.19	5.19	1.68
<i>For Work In Restricted Working Space, Add</i>	1.27	
26 05 33 13-2505 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit 6.96	6.96	2.24
<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-2506 LF 1" Flexible Liquid Tight Non-Metallic Conduit 8.32	8.32	2.24
<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-2507 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit 10.53	10.53	2.82
<i>For Work In Restricted Working Space, Add</i>	2.11	
26 05 33 13-2508 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit 13.32	13.32	3.38
<i>For Work In Restricted Working Space, Add</i>	2.53	
26 05 33 13-2509 LF 2" Flexible Liquid Tight Non-Metallic Conduit 17.19	17.19	4.50
<i>For Work In Restricted Working Space, Add</i>	3.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2510 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2501)		
26 05 33 13-2511 EA 3/8" Liquid Tight Non-Metallic Straight Connector	14.52	4.50
For Work In Restricted Working Space, Add	3.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 05 33 13-2512 EA 1/2" Liquid Tight Non-Metallic Straight Connector	14.52	4.50
For Work In Restricted Working Space, Add	3.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 05 33 13-2513 EA 3/4" Liquid Tight Non-Metallic Straight Connector	17.51	5.06
For Work In Restricted Working Space, Add	3.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-2514 EA 1" Liquid Tight Non-Metallic Straight Connector	21.36	5.62
For Work In Restricted Working Space, Add	4.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 33 13-2515 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector	28.56	6.18
For Work In Restricted Working Space, Add	4.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.64	
26 05 33 13-2516 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector	35.10	6.74
For Work In Restricted Working Space, Add	5.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.06	
26 05 33 13-2517 EA 2" Liquid Tight Non-Metallic Straight Connector	53.14	7.88
For Work In Restricted Working Space, Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-2518 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2501)		
26 05 33 13-2519 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	20.80	6.18
For Work In Restricted Working Space, Add	4.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.64	
26 05 33 13-2520 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	20.80	6.18
For Work In Restricted Working Space, Add	4.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.64	
26 05 33 13-2521 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	25.08	6.74
For Work In Restricted Working Space, Add	5.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.06	
26 05 33 13-2522 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector	34.51	7.88
For Work In Restricted Working Space, Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-2523 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	35.84	8.44
For Work In Restricted Working Space, Add	6.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-2524 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	54.14	9.00
For Work In Restricted Working Space, Add	6.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2525 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector	71.61	10.12
For Work In Restricted Working Space, Add	7.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.59	
26 05 33 13-2526 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2501)		
26 05 33 13-2527 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	20.80	6.18
For Work In Restricted Working Space, Add	4.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.64	
26 05 33 13-2528 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	20.80	6.18
For Work In Restricted Working Space, Add	4.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.64	
26 05 33 13-2529 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	25.08	6.74
For Work In Restricted Working Space, Add	5.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.06	
26 05 33 13-2530 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector	34.51	7.88
For Work In Restricted Working Space, Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-2531 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	35.84	8.44
For Work In Restricted Working Space, Add	6.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-2532 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	54.14	9.00
For Work In Restricted Working Space, Add	6.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2533 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector	71.61	10.12
For Work In Restricted Working Space, Add	7.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.59	
26 05 33 13-2534 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2353)		
Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2534)		
26 05 33 13-2536 LF 1/2" Blue ENT Electrical Non-Metallic Tubing	6.18	1.84
For Work In Restricted Working Space, Add	1.39	
26 05 33 13-2537 LF 3/4" Blue ENT Electrical Non-Metallic Tubing	8.32	2.46
For Work In Restricted Working Space, Add	1.85	
26 05 33 13-2538 LF 1" Blue ENT Electrical Non-Metallic Tubing	9.66	2.46
For Work In Restricted Working Space, Add	1.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2539 Terminal Adapter <small>(26 05 33 13-2534)</small>		
26 05 33 13-2540 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	14.86	4.92
For Work In Restricted Working Space, Add	3.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.69	
26 05 33 13-2541 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	18.52	5.54
For Work In Restricted Working Space, Add	4.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.15	
26 05 33 13-2542 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	21.41	6.15
For Work In Restricted Working Space, Add	4.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-2543 Coupling <small>(26 05 33 13-2534)</small>		
26 05 33 13-2544 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	14.53	4.92
For Work In Restricted Working Space, Add	3.69	
26 05 33 13-2545 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	16.74	5.54
For Work In Restricted Working Space, Add	4.15	
26 05 33 13-2546 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	19.73	6.15
For Work In Restricted Working Space, Add	4.62	
26 05 33 13-2547 Metallic Conduit Bodies <small>(26 05 33 13-0058)</small>		
26 05 33 13-2548 Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2547)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2549 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2549)</small>		
26 05 33 13-2550 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.84	26.98
For Mogul LB, Add	3.65	
For Work In Restricted Working Space, Add	20.24	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.49	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.61	
For Elevated Installation >30' To 35', Add	26.99	
For Elevated Installation >35' To 40', Add	33.74	
For Elevated Installation >40', Add	37.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.24	
26 05 33 13-2551 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.03	30.92
For Mogul LB, Add	5.68	
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-2552 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	108.07	35.98
For Mogul LB, Add	9.09	
For Work In Restricted Working Space, Add	26.99	
For Elevated Installation >10' To 15', Add	9.00	
For Elevated Installation >15' To 20', Add	17.99	
For Elevated Installation >20' To 25', Add	22.49	
For Elevated Installation >25' To 30', Add	31.48	
For Elevated Installation >30' To 35', Add	35.98	
For Elevated Installation >35' To 40', Add	44.98	
For Elevated Installation >40', Add	49.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.99	
26 05 33 13-2553 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	129.67	41.04
For Mogul LB, Add	15.16	
For Work In Restricted Working Space, Add	30.78	
For Elevated Installation >10' To 15', Add	10.26	
For Elevated Installation >15' To 20', Add	20.52	
For Elevated Installation >20' To 25', Add	25.65	
For Elevated Installation >25' To 30', Add	35.91	
For Elevated Installation >30' To 35', Add	41.04	
For Elevated Installation >35' To 40', Add	51.31	
For Elevated Installation >40', Add	56.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.78	
26 05 33 13-2554 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	147.36	44.98
For Mogul LB, Add	20.56	
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2555	EA		2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	191.32	53.97
			<i>For Mogul LB, Add</i>	35.55	
			<i>For Work In Restricted Working Space, Add</i>	40.48	
			<i>For Elevated Installation >10' To 15', Add</i>	13.49	
			<i>For Elevated Installation >15' To 20', Add</i>	26.99	
			<i>For Elevated Installation >20' To 25', Add</i>	33.73	
			<i>For Elevated Installation >25' To 30', Add</i>	47.23	
			<i>For Elevated Installation >30' To 35', Add</i>	53.97	
			<i>For Elevated Installation >35' To 40', Add</i>	67.47	
			<i>For Elevated Installation >40', Add</i>	74.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.48	
26 05 33 13-2556	EA		2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	314.55	75.90
			<i>For Mogul LB, Add</i>	84.12	
			<i>For Work In Restricted Working Space, Add</i>	56.92	
			<i>For Elevated Installation >10' To 15', Add</i>	18.97	
			<i>For Elevated Installation >15' To 20', Add</i>	37.95	
			<i>For Elevated Installation >20' To 25', Add</i>	47.44	
			<i>For Elevated Installation >25' To 30', Add</i>	66.41	
			<i>For Elevated Installation >30' To 35', Add</i>	75.90	
			<i>For Elevated Installation >35' To 40', Add</i>	94.87	
			<i>For Elevated Installation >40', Add</i>	104.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 05 33 13-2557	EA		3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	414.15	101.19
			<i>For Mogul LB, Add</i>	108.21	
			<i>For Work In Restricted Working Space, Add</i>	75.90	
			<i>For Elevated Installation >10' To 15', Add</i>	25.30	
			<i>For Elevated Installation >15' To 20', Add</i>	50.60	
			<i>For Elevated Installation >20' To 25', Add</i>	63.25	
			<i>For Elevated Installation >25' To 30', Add</i>	88.55	
			<i>For Elevated Installation >30' To 35', Add</i>	101.20	
			<i>For Elevated Installation >35' To 40', Add</i>	126.50	
			<i>For Elevated Installation >40', Add</i>	139.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.90	
26 05 33 13-2558	EA		3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	546.71	126.49
			<i>For Mogul LB, Add</i>	157.04	
			<i>For Work In Restricted Working Space, Add</i>	94.87	
			<i>For Elevated Installation >10' To 15', Add</i>	31.62	
			<i>For Elevated Installation >15' To 20', Add</i>	63.25	
			<i>For Elevated Installation >20' To 25', Add</i>	79.06	
			<i>For Elevated Installation >25' To 30', Add</i>	110.68	
			<i>For Elevated Installation >30' To 35', Add</i>	126.50	
			<i>For Elevated Installation >35' To 40', Add</i>	158.12	
			<i>For Elevated Installation >40', Add</i>	173.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.87	
26 05 33 13-2559	EA		4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	705.36	154.05
			<i>For Mogul LB, Add</i>	220.93	
			<i>For Work In Restricted Working Space, Add</i>	115.53	
			<i>For Elevated Installation >10' To 15', Add</i>	38.51	
			<i>For Elevated Installation >15' To 20', Add</i>	77.02	
			<i>For Elevated Installation >20' To 25', Add</i>	96.28	
			<i>For Elevated Installation >25' To 30', Add</i>	134.79	
			<i>For Elevated Installation >30' To 35', Add</i>	154.04	
			<i>For Elevated Installation >35' To 40', Add</i>	192.56	
			<i>For Elevated Installation >40', Add</i>	211.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.53	
26 05 33 13-2560			Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2548)</small>		
26 05 33 13-2561	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	77.98	26.98
			<i>For Mogul LB, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Elevated Installation >10' To 15', Add</i>	6.75	
			<i>For Elevated Installation >15' To 20', Add</i>	13.49	
			<i>For Elevated Installation >20' To 25', Add</i>	16.87	
			<i>For Elevated Installation >25' To 30', Add</i>	23.61	
			<i>For Elevated Installation >30' To 35', Add</i>	26.99	
			<i>For Elevated Installation >35' To 40', Add</i>	33.74	
			<i>For Elevated Installation >40', Add</i>	37.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-2562	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	91.14	30.92
			<i>For Mogul LB, Add</i>	6.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2563 EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	110.31	35.98
For Mogul LB, Add	10.77	
For Work In Restricted Working Space, Add	26.99	
For Elevated Installation >10' To 15', Add	9.00	
For Elevated Installation >15' To 20', Add	17.99	
For Elevated Installation >20' To 25', Add	22.49	
For Elevated Installation >25' To 30', Add	31.48	
For Elevated Installation >30' To 35', Add	35.98	
For Elevated Installation >35' To 40', Add	44.98	
For Elevated Installation >40', Add	49.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.99	
26 05 33 13-2564 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	132.40	41.04
For Mogul LB, Add	17.21	
For Work In Restricted Working Space, Add	30.78	
For Elevated Installation >10' To 15', Add	10.26	
For Elevated Installation >15' To 20', Add	20.52	
For Elevated Installation >20' To 25', Add	25.65	
For Elevated Installation >25' To 30', Add	35.91	
For Elevated Installation >30' To 35', Add	41.04	
For Elevated Installation >35' To 40', Add	51.31	
For Elevated Installation >40', Add	56.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.78	
26 05 33 13-2565 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	152.01	44.98
For Mogul LB, Add	24.05	
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-2566 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	201.29	53.97
For Mogul LB, Add	43.02	
For Work In Restricted Working Space, Add	40.48	
For Elevated Installation >10' To 15', Add	13.49	
For Elevated Installation >15' To 20', Add	26.99	
For Elevated Installation >20' To 25', Add	33.73	
For Elevated Installation >25' To 30', Add	47.23	
For Elevated Installation >30' To 35', Add	53.97	
For Elevated Installation >35' To 40', Add	67.47	
For Elevated Installation >40', Add	74.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.48	
26 05 33 13-2567 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	309.52	75.90
For Mogul LB, Add	80.35	
For Work In Restricted Working Space, Add	56.92	
For Elevated Installation >10' To 15', Add	18.97	
For Elevated Installation >15' To 20', Add	37.95	
For Elevated Installation >20' To 25', Add	47.44	
For Elevated Installation >25' To 30', Add	66.41	
For Elevated Installation >30' To 35', Add	75.90	
For Elevated Installation >35' To 40', Add	94.87	
For Elevated Installation >40', Add	104.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.92	
26 05 33 13-2568 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	397.23	101.19
For Mogul LB, Add	95.52	
For Work In Restricted Working Space, Add	75.90	
For Elevated Installation >10' To 15', Add	25.30	
For Elevated Installation >15' To 20', Add	50.60	
For Elevated Installation >20' To 25', Add	63.25	
For Elevated Installation >25' To 30', Add	88.55	
For Elevated Installation >30' To 35', Add	101.20	
For Elevated Installation >35' To 40', Add	126.50	
For Elevated Installation >40', Add	139.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.90	
26 05 33 13-2569 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	561.12	126.49
For Mogul LB, Add	167.85	
For Work In Restricted Working Space, Add	94.87	
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.87	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2570 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	734.83	154.05
For Mogul LB, Add	243.03	
For Work In Restricted Working Space, Add	115.53	
For Elevated Installation >10' To 15', Add	38.51	
For Elevated Installation >15' To 20', Add	77.02	
For Elevated Installation >20' To 25', Add	96.28	
For Elevated Installation >25' To 30', Add	134.79	
For Elevated Installation >30' To 35', Add	154.04	
For Elevated Installation >35' To 40', Add	192.56	
For Elevated Installation >40', Add	211.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.53	
26 05 33 13-2571 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover (26 05		
33 13-2548)		
26 05 33 13-2572 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	89.73	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-2573 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	105.95	35.98
For Work In Restricted Working Space, Add	26.99	
For Elevated Installation >10' To 15', Add	9.00	
For Elevated Installation >15' To 20', Add	17.99	
For Elevated Installation >20' To 25', Add	22.49	
For Elevated Installation >25' To 30', Add	31.48	
For Elevated Installation >30' To 35', Add	35.98	
For Elevated Installation >35' To 40', Add	44.98	
For Elevated Installation >40', Add	49.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.99	
26 05 33 13-2574 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	121.04	39.36
For Work In Restricted Working Space, Add	29.52	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.52	
26 05 33 13-2575 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	146.78	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-2576 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	168.30	49.47
For Work In Restricted Working Space, Add	37.11	
For Elevated Installation >10' To 15', Add	12.37	
For Elevated Installation >15' To 20', Add	24.74	
For Elevated Installation >20' To 25', Add	30.92	
For Elevated Installation >25' To 30', Add	43.29	
For Elevated Installation >30' To 35', Add	49.48	
For Elevated Installation >35' To 40', Add	61.85	
For Elevated Installation >40', Add	68.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.11	
26 05 33 13-2577 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	221.08	57.91
For Work In Restricted Working Space, Add	43.43	
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.95	
For Elevated Installation >20' To 25', Add	36.19	
For Elevated Installation >25' To 30', Add	50.67	
For Elevated Installation >30' To 35', Add	57.91	
For Elevated Installation >35' To 40', Add	72.39	
For Elevated Installation >40', Add	79.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-2578 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	345.65	84.33
For Work In Restricted Working Space, Add	63.25	
For Elevated Installation >10' To 15', Add	21.08	
For Elevated Installation >15' To 20', Add	42.16	
For Elevated Installation >20' To 25', Add	52.71	
For Elevated Installation >25' To 30', Add	73.79	
For Elevated Installation >30' To 35', Add	84.33	
For Elevated Installation >35' To 40', Add	105.41	
For Elevated Installation >40', Add	115.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2579 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	446.92	109.93
For Work In Restricted Working Space, Add	82.22	
For Elevated Installation >10' To 15', Add	27.41	
For Elevated Installation >15' To 20', Add	54.82	
For Elevated Installation >20' To 25', Add	68.52	
For Elevated Installation >25' To 30', Add	95.93	
For Elevated Installation >30' To 35', Add	109.63	
For Elevated Installation >35' To 40', Add	137.04	
For Elevated Installation >40', Add	150.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.22	
26 05 33 13-2580 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	696.31	134.93
For Work In Restricted Working Space, Add	101.20	
For Elevated Installation >10' To 15', Add	33.73	
For Elevated Installation >15' To 20', Add	67.47	
For Elevated Installation >20' To 25', Add	84.33	
For Elevated Installation >25' To 30', Add	118.07	
For Elevated Installation >30' To 35', Add	134.93	
For Elevated Installation >35' To 40', Add	168.67	
For Elevated Installation >40', Add	185.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.20	
26 05 33 13-2581 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	801.45	162.48
For Work In Restricted Working Space, Add	121.86	
For Elevated Installation >10' To 15', Add	40.62	
For Elevated Installation >15' To 20', Add	81.24	
For Elevated Installation >20' To 25', Add	101.55	
For Elevated Installation >25' To 30', Add	142.17	
For Elevated Installation >30' To 35', Add	162.48	
For Elevated Installation >35' To 40', Add	203.10	
For Elevated Installation >40', Add	223.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.86	
26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33		
13-2548)		
26 05 33 13-2583 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	78.22	26.98
For Work In Restricted Working Space, Add	20.24	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.49	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.61	
For Elevated Installation >30' To 35', Add	26.99	
For Elevated Installation >35' To 40', Add	33.74	
For Elevated Installation >40', Add	37.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.24	
26 05 33 13-2584 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	90.36	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-2585 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	108.00	35.42
For Work In Restricted Working Space, Add	26.57	
For Elevated Installation >10' To 15', Add	8.86	
For Elevated Installation >15' To 20', Add	17.71	
For Elevated Installation >20' To 25', Add	22.14	
For Elevated Installation >25' To 30', Add	30.99	
For Elevated Installation >30' To 35', Add	35.42	
For Elevated Installation >35' To 40', Add	44.28	
For Elevated Installation >40', Add	48.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.57	
26 05 33 13-2586 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	131.32	41.04
For Work In Restricted Working Space, Add	30.78	
For Elevated Installation >10' To 15', Add	10.26	
For Elevated Installation >15' To 20', Add	20.52	
For Elevated Installation >20' To 25', Add	25.65	
For Elevated Installation >25' To 30', Add	35.91	
For Elevated Installation >30' To 35', Add	41.04	
For Elevated Installation >35' To 40', Add	51.31	
For Elevated Installation >40', Add	56.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.78	
26 05 33 13-2587 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	146.60	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2588 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	191.40	53.97
For Work In Restricted Working Space, Add	40.48	
For Elevated Installation >10' To 15', Add	13.49	
For Elevated Installation >15' To 20', Add	26.99	
For Elevated Installation >20' To 25', Add	33.73	
For Elevated Installation >25' To 30', Add	47.23	
For Elevated Installation >30' To 35', Add	53.97	
For Elevated Installation >35' To 40', Add	67.47	
For Elevated Installation >40', Add	74.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.48	
26 05 33 13-2589 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	305.28	75.90
For Work In Restricted Working Space, Add	56.92	
For Elevated Installation >10' To 15', Add	18.97	
For Elevated Installation >15' To 20', Add	37.95	
For Elevated Installation >20' To 25', Add	47.44	
For Elevated Installation >25' To 30', Add	66.41	
For Elevated Installation >30' To 35', Add	75.90	
For Elevated Installation >35' To 40', Add	94.87	
For Elevated Installation >40', Add	104.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.92	
26 05 33 13-2590 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	394.53	101.19
For Work In Restricted Working Space, Add	75.90	
For Elevated Installation >10' To 15', Add	25.30	
For Elevated Installation >15' To 20', Add	50.60	
For Elevated Installation >20' To 25', Add	63.25	
For Elevated Installation >25' To 30', Add	88.55	
For Elevated Installation >30' To 35', Add	101.20	
For Elevated Installation >35' To 40', Add	126.50	
For Elevated Installation >40', Add	139.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.90	
26 05 33 13-2591 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	552.46	126.49
For Work In Restricted Working Space, Add	94.87	
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.87	
26 05 33 13-2592 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	708.07	154.05
For Work In Restricted Working Space, Add	115.53	
For Elevated Installation >10' To 15', Add	38.51	
For Elevated Installation >15' To 20', Add	77.02	
For Elevated Installation >20' To 25', Add	96.28	
For Elevated Installation >25' To 30', Add	134.79	
For Elevated Installation >30' To 35', Add	154.04	
For Elevated Installation >35' To 40', Add	192.56	
For Elevated Installation >40', Add	211.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.53	
26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2548)</small>		
26 05 33 13-2594 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	103.81	35.42
For Work In Restricted Working Space, Add	26.57	
For Elevated Installation >10' To 15', Add	8.86	
For Elevated Installation >15' To 20', Add	17.71	
For Elevated Installation >20' To 25', Add	22.14	
For Elevated Installation >25' To 30', Add	30.99	
For Elevated Installation >30' To 35', Add	35.42	
For Elevated Installation >35' To 40', Add	44.28	
For Elevated Installation >40', Add	48.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.57	
26 05 33 13-2595 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	119.03	39.36
For Work In Restricted Working Space, Add	29.52	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.52	
26 05 33 13-2596 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	143.14	43.29
For Work In Restricted Working Space, Add	32.47	
For Elevated Installation >10' To 15', Add	10.82	
For Elevated Installation >15' To 20', Add	21.65	
For Elevated Installation >20' To 25', Add	27.06	
For Elevated Installation >25' To 30', Add	37.88	
For Elevated Installation >30' To 35', Add	43.29	
For Elevated Installation >35' To 40', Add	54.12	
For Elevated Installation >40', Add	59.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2597 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.80 37.11 12.37 24.74 30.92 43.29 49.48 61.85 68.03 37.11	49.47
26 05 33 13-2598 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.93 40.48 13.49 26.99 33.73 47.23 53.97 67.47 74.21 40.48	53.97
26 05 33 13-2599 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.76 49.76 16.59 33.17 41.46 58.05 66.34 82.93 91.22 49.76	66.34
26 05 33 13-2600 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.82 72.95 24.32 48.63 60.79 85.11 97.26 121.58 133.74 72.95	97.26
26 05 33 13-2601 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.03 94.87 31.62 63.25 79.06 110.68 126.50 158.12 173.93 94.87	126.49
26 05 33 13-2602 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	791.56 118.07 39.36 78.71 98.39 137.74 157.42 196.78 216.45 118.07	156.29
26 05 33 13-2603 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	955.00 140.83 46.94 93.89 117.36 164.30 187.78 234.72 258.19 140.83	187.78
26 05 33 13-2604 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2547)</small> Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2604)</small>		
26 05 33 13-2606 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.04 20.24 6.75 13.49 16.87 23.61 26.99 33.74 37.11 20.24	26.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2607 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	92.70	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.32	
For Elevated Installation >25' To 30', Add	27.05	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-2608 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	112.91	35.98
For Work In Restricted Working Space, Add	26.99	
For Elevated Installation >10' To 15', Add	9.00	
For Elevated Installation >15' To 20', Add	17.99	
For Elevated Installation >20' To 25', Add	22.49	
For Elevated Installation >25' To 30', Add	31.48	
For Elevated Installation >30' To 35', Add	35.98	
For Elevated Installation >35' To 40', Add	44.98	
For Elevated Installation >40', Add	49.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.99	
26 05 33 13-2609 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	143.79	41.04
For Work In Restricted Working Space, Add	30.78	
For Elevated Installation >10' To 15', Add	10.26	
For Elevated Installation >15' To 20', Add	20.52	
For Elevated Installation >20' To 25', Add	25.65	
For Elevated Installation >25' To 30', Add	35.91	
For Elevated Installation >30' To 35', Add	41.04	
For Elevated Installation >35' To 40', Add	51.30	
For Elevated Installation >40', Add	56.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.78	
26 05 33 13-2610 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	162.97	44.98
For Work In Restricted Working Space, Add	33.74	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.36	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.23	
For Elevated Installation >40', Add	61.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.74	
26 05 33 13-2611 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	219.48	53.97
For Work In Restricted Working Space, Add	40.48	
For Elevated Installation >10' To 15', Add	13.49	
For Elevated Installation >15' To 20', Add	26.99	
For Elevated Installation >20' To 25', Add	33.73	
For Elevated Installation >25' To 30', Add	47.23	
For Elevated Installation >30' To 35', Add	53.97	
For Elevated Installation >35' To 40', Add	67.47	
For Elevated Installation >40', Add	74.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.48	
26 05 33 13-2612 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	362.82	75.90
For Work In Restricted Working Space, Add	56.93	
For Elevated Installation >10' To 15', Add	18.98	
For Elevated Installation >15' To 20', Add	37.95	
For Elevated Installation >20' To 25', Add	47.44	
For Elevated Installation >25' To 30', Add	66.41	
For Elevated Installation >30' To 35', Add	75.90	
For Elevated Installation >35' To 40', Add	94.88	
For Elevated Installation >40', Add	104.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.93	
26 05 33 13-2613 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	511.18	101.19
For Work In Restricted Working Space, Add	75.90	
For Elevated Installation >10' To 15', Add	25.30	
For Elevated Installation >15' To 20', Add	50.60	
For Elevated Installation >20' To 25', Add	63.25	
For Elevated Installation >25' To 30', Add	88.55	
For Elevated Installation >30' To 35', Add	101.20	
For Elevated Installation >35' To 40', Add	126.50	
For Elevated Installation >40', Add	139.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.90	
26 05 33 13-2614 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	698.47	126.49
For Work In Restricted Working Space, Add	94.87	
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2615 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	837.11	154.05
<i>For Work In Restricted Working Space, Add</i>	115.54	
<i>For Elevated Installation >10' To 15', Add</i>	38.51	
<i>For Elevated Installation >15' To 20', Add</i>	77.02	
<i>For Elevated Installation >20' To 25', Add</i>	96.28	
<i>For Elevated Installation >25' To 30', Add</i>	134.79	
<i>For Elevated Installation >30' To 35', Add</i>	154.05	
<i>For Elevated Installation >35' To 40', Add</i>	192.56	
<i>For Elevated Installation >40', Add</i>	211.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.54	
26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover		
<small>(26 05 33 13-2604)</small>		
26 05 33 13-2617 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	82.94	26.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-2618 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	93.55	30.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	
26 05 33 13-2619 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	117.35	35.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.99	
26 05 33 13-2620 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	146.76	41.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.78	
26 05 33 13-2621 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	166.61	44.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.74	
26 05 33 13-2622 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	212.01	53.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.48	
26 05 33 13-2623 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	321.32	75.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.93	
26 05 33 13-2624 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	436.56	101.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.90	
26 05 33 13-2625 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	742.42	126.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.87	
26 05 33 13-2626 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	869.52	154.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.54	
26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover		
<small>(26 05 33 13-2604)</small>		
26 05 33 13-2628 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	98.04	30.92
<i>For Work In Restricted Working Space, Add</i>	23.19	
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	
26 05 33 13-2629 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	115.62	35.98
<i>For Work In Restricted Working Space, Add</i>	27.41	
<i>For Elevated Installation >10' To 15', Add</i>	9.14	
<i>For Elevated Installation >15' To 20', Add</i>	18.27	
<i>For Elevated Installation >20' To 25', Add</i>	22.84	
<i>For Elevated Installation >25' To 30', Add</i>	31.98	
<i>For Elevated Installation >30' To 35', Add</i>	36.54	
<i>For Elevated Installation >35' To 40', Add</i>	45.68	
<i>For Elevated Installation >40', Add</i>	50.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.41	
26 05 33 13-2630 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	135.08	39.36
<i>For Work In Restricted Working Space, Add</i>	29.52	
<i>For Elevated Installation >10' To 15', Add</i>	9.84	
<i>For Elevated Installation >15' To 20', Add</i>	19.68	
<i>For Elevated Installation >20' To 25', Add</i>	24.60	
<i>For Elevated Installation >25' To 30', Add</i>	34.44	
<i>For Elevated Installation >30' To 35', Add</i>	39.36	
<i>For Elevated Installation >35' To 40', Add</i>	49.20	
<i>For Elevated Installation >40', Add</i>	54.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.52	
26 05 33 13-2631 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	167.88	44.98
<i>For Work In Restricted Working Space, Add</i>	33.31	
<i>For Elevated Installation >10' To 15', Add</i>	11.10	
<i>For Elevated Installation >15' To 20', Add</i>	22.21	
<i>For Elevated Installation >20' To 25', Add</i>	27.76	
<i>For Elevated Installation >25' To 30', Add</i>	38.86	
<i>For Elevated Installation >30' To 35', Add</i>	44.41	
<i>For Elevated Installation >35' To 40', Add</i>	55.52	
<i>For Elevated Installation >40', Add</i>	61.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2632 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	192.01	49.47
For Work In Restricted Working Space, Add	37.11	
For Elevated Installation >10' To 15', Add	12.37	
For Elevated Installation >15' To 20', Add	24.74	
For Elevated Installation >20' To 25', Add	30.92	
For Elevated Installation >25' To 30', Add	43.29	
For Elevated Installation >30' To 35', Add	49.48	
For Elevated Installation >35' To 40', Add	61.85	
For Elevated Installation >40', Add	68.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.11	
26 05 33 13-2633 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	251.81	57.91
For Work In Restricted Working Space, Add	43.43	
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.95	
For Elevated Installation >20' To 25', Add	36.19	
For Elevated Installation >25' To 30', Add	50.67	
For Elevated Installation >30' To 35', Add	57.91	
For Elevated Installation >35' To 40', Add	72.39	
For Elevated Installation >40', Add	79.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-2634 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	323.11	84.33
For Work In Restricted Working Space, Add	63.25	
For Elevated Installation >10' To 15', Add	21.08	
For Elevated Installation >15' To 20', Add	42.16	
For Elevated Installation >20' To 25', Add	52.71	
For Elevated Installation >25' To 30', Add	73.79	
For Elevated Installation >30' To 35', Add	84.33	
For Elevated Installation >35' To 40', Add	105.41	
For Elevated Installation >40', Add	115.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.25	
26 05 33 13-2635 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	460.68	109.63
For Work In Restricted Working Space, Add	82.22	
For Elevated Installation >10' To 15', Add	27.41	
For Elevated Installation >15' To 20', Add	54.82	
For Elevated Installation >20' To 25', Add	68.52	
For Elevated Installation >25' To 30', Add	95.93	
For Elevated Installation >30' To 35', Add	109.63	
For Elevated Installation >35' To 40', Add	137.04	
For Elevated Installation >40', Add	150.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.22	
26 05 33 13-2636 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	783.80	134.93
For Work In Restricted Working Space, Add	101.20	
For Elevated Installation >10' To 15', Add	33.73	
For Elevated Installation >15' To 20', Add	67.47	
For Elevated Installation >20' To 25', Add	84.33	
For Elevated Installation >25' To 30', Add	118.07	
For Elevated Installation >30' To 35', Add	134.93	
For Elevated Installation >35' To 40', Add	168.67	
For Elevated Installation >40', Add	185.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.20	
26 05 33 13-2637 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	909.54	162.48
For Work In Restricted Working Space, Add	122.28	
For Elevated Installation >10' To 15', Add	40.76	
For Elevated Installation >15' To 20', Add	81.52	
For Elevated Installation >20' To 25', Add	101.90	
For Elevated Installation >25' To 30', Add	142.66	
For Elevated Installation >30' To 35', Add	163.04	
For Elevated Installation >35' To 40', Add	203.80	
For Elevated Installation >40', Add	224.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	122.28	
26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2604)</small>		
26 05 33 13-2639 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	80.25	26.98
For Work In Restricted Working Space, Add	20.24	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.49	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.61	
For Elevated Installation >30' To 35', Add	26.99	
For Elevated Installation >35' To 40', Add	33.74	
For Elevated Installation >40', Add	37.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.24	
26 05 33 13-2640 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	96.47	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2641 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	112.55	35.42
For Work In Restricted Working Space, Add	26.57	
For Elevated Installation >10' To 15', Add	8.86	
For Elevated Installation >15' To 20', Add	17.71	
For Elevated Installation >20' To 25', Add	22.14	
For Elevated Installation >25' To 30', Add	30.99	
For Elevated Installation >30' To 35', Add	35.42	
For Elevated Installation >35' To 40', Add	44.28	
For Elevated Installation >40', Add	48.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.57	
26 05 33 13-2642 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	149.27	41.04
For Work In Restricted Working Space, Add	30.78	
For Elevated Installation >10' To 15', Add	10.26	
For Elevated Installation >15' To 20', Add	20.52	
For Elevated Installation >20' To 25', Add	25.65	
For Elevated Installation >25' To 30', Add	35.91	
For Elevated Installation >30' To 35', Add	41.04	
For Elevated Installation >35' To 40', Add	51.31	
For Elevated Installation >40', Add	56.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.78	
26 05 33 13-2643 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	173.23	44.98
For Work In Restricted Working Space, Add	33.73	
For Elevated Installation >10' To 15', Add	11.24	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.35	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.22	
For Elevated Installation >40', Add	61.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	
26 05 33 13-2644 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	222.42	53.97
For Work In Restricted Working Space, Add	40.48	
For Elevated Installation >10' To 15', Add	13.49	
For Elevated Installation >15' To 20', Add	26.99	
For Elevated Installation >20' To 25', Add	33.73	
For Elevated Installation >25' To 30', Add	47.23	
For Elevated Installation >30' To 35', Add	53.97	
For Elevated Installation >35' To 40', Add	67.47	
For Elevated Installation >40', Add	74.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.48	
26 05 33 13-2645 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	506.15	142.38
For Work In Restricted Working Space, Add	106.73	
For Elevated Installation >10' To 15', Add	35.58	
For Elevated Installation >15' To 20', Add	71.16	
For Elevated Installation >20' To 25', Add	88.95	
For Elevated Installation >25' To 30', Add	124.52	
For Elevated Installation >30' To 35', Add	142.31	
For Elevated Installation >35' To 40', Add	177.89	
For Elevated Installation >40', Add	195.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.73	
26 05 33 13-2646 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	467.90	101.19
For Work In Restricted Working Space, Add	75.90	
For Elevated Installation >10' To 15', Add	25.30	
For Elevated Installation >15' To 20', Add	50.60	
For Elevated Installation >20' To 25', Add	63.25	
For Elevated Installation >25' To 30', Add	88.55	
For Elevated Installation >30' To 35', Add	101.20	
For Elevated Installation >35' To 40', Add	126.50	
For Elevated Installation >40', Add	139.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.90	
26 05 33 13-2647 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	742.42	126.49
For Work In Restricted Working Space, Add	94.87	
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.87	
26 05 33 13-2648 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	869.49	154.05
For Work In Restricted Working Space, Add	115.53	
For Elevated Installation >10' To 15', Add	38.51	
For Elevated Installation >15' To 20', Add	77.02	
For Elevated Installation >20' To 25', Add	96.27	
For Elevated Installation >25' To 30', Add	134.78	
For Elevated Installation >30' To 35', Add	154.04	
For Elevated Installation >35' To 40', Add	192.55	
For Elevated Installation >40', Add	211.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.53	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2650 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	111.55	35.42
For Work In Restricted Working Space, Add	26.57	
For Elevated Installation >10' To 15', Add	8.86	
For Elevated Installation >15' To 20', Add	17.71	
For Elevated Installation >20' To 25', Add	22.14	
For Elevated Installation >25' To 30', Add	30.99	
For Elevated Installation >30' To 35', Add	35.42	
For Elevated Installation >35' To 40', Add	44.28	
For Elevated Installation >40', Add	48.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.57	
26 05 33 13-2651 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	122.25	39.36
For Work In Restricted Working Space, Add	29.52	
For Elevated Installation >10' To 15', Add	9.84	
For Elevated Installation >15' To 20', Add	19.68	
For Elevated Installation >20' To 25', Add	24.60	
For Elevated Installation >25' To 30', Add	34.44	
For Elevated Installation >30' To 35', Add	39.36	
For Elevated Installation >35' To 40', Add	49.20	
For Elevated Installation >40', Add	54.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.52	
26 05 33 13-2652 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	140.97	43.29
For Work In Restricted Working Space, Add	32.47	
For Elevated Installation >10' To 15', Add	10.82	
For Elevated Installation >15' To 20', Add	21.65	
For Elevated Installation >20' To 25', Add	27.06	
For Elevated Installation >25' To 30', Add	37.88	
For Elevated Installation >30' To 35', Add	43.29	
For Elevated Installation >35' To 40', Add	54.12	
For Elevated Installation >40', Add	59.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.47	
26 05 33 13-2653 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	166.92	49.47
For Work In Restricted Working Space, Add	37.11	
For Elevated Installation >10' To 15', Add	12.37	
For Elevated Installation >15' To 20', Add	24.74	
For Elevated Installation >20' To 25', Add	30.92	
For Elevated Installation >25' To 30', Add	43.29	
For Elevated Installation >30' To 35', Add	49.48	
For Elevated Installation >35' To 40', Add	61.85	
For Elevated Installation >40', Add	68.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.11	
26 05 33 13-2654 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	191.33	53.97
For Work In Restricted Working Space, Add	40.48	
For Elevated Installation >10' To 15', Add	13.49	
For Elevated Installation >15' To 20', Add	26.99	
For Elevated Installation >20' To 25', Add	33.73	
For Elevated Installation >25' To 30', Add	47.23	
For Elevated Installation >30' To 35', Add	53.97	
For Elevated Installation >35' To 40', Add	67.47	
For Elevated Installation >40', Add	74.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.48	
26 05 33 13-2655 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	264.04	66.34
For Work In Restricted Working Space, Add	49.76	
For Elevated Installation >10' To 15', Add	16.59	
For Elevated Installation >15' To 20', Add	33.17	
For Elevated Installation >20' To 25', Add	41.46	
For Elevated Installation >25' To 30', Add	58.05	
For Elevated Installation >30' To 35', Add	66.34	
For Elevated Installation >35' To 40', Add	82.93	
For Elevated Installation >40', Add	91.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.76	
26 05 33 13-2656 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	418.47	97.26
For Work In Restricted Working Space, Add	72.95	
For Elevated Installation >10' To 15', Add	24.32	
For Elevated Installation >15' To 20', Add	48.63	
For Elevated Installation >20' To 25', Add	60.79	
For Elevated Installation >25' To 30', Add	85.11	
For Elevated Installation >30' To 35', Add	97.26	
For Elevated Installation >35' To 40', Add	121.58	
For Elevated Installation >40', Add	133.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.95	
26 05 33 13-2657 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	607.57	126.49
For Work In Restricted Working Space, Add	94.87	
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2658 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	894.52 117.22 39.07 78.15 97.68 136.76 156.29 195.37 214.90 117.22	156.29
26 05 33 13-2659 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,004.34 140.83 46.94 93.89 117.36 164.30 187.78 234.72 258.19 140.83	187.78
26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2547)</small> Note: For use with Electrical Metallic Tubing (EMT)		
26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2660)</small>		
26 05 33 13-2662 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.61 8.01 2.67 5.34 6.68 9.35 10.68 13.35 14.69 8.01	10.68
26 05 33 13-2663 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.25 10.54 3.51 7.03 8.79 12.30 14.06 17.57 19.33 10.54	14.06
26 05 33 13-2664 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.74 13.07 4.36 8.71 10.89 15.25 17.43 21.79 23.96 13.07	17.42
26 05 33 13-2665 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.51 16.02 5.34 10.68 13.35 18.69 21.36 26.71 29.38 16.02	21.36
26 05 33 13-2666 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.67 18.55 6.18 12.37 15.46 21.64 24.74 30.92 34.01 18.55	24.74
26 05 33 13-2667 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.34 21.08 7.03 14.05 17.57 24.59 28.11 35.14 38.65 21.08	28.11

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2668			Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2660)</small>		
26 05 33 13-2669	EA		1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	37.91	10.68
			<i>For Work In Restricted Working Space, Add</i>	8.01	
			<i>For Elevated Installation >10' To 15', Add</i>	2.67	
			<i>For Elevated Installation >15' To 20', Add</i>	5.34	
			<i>For Elevated Installation >20' To 25', Add</i>	6.68	
			<i>For Elevated Installation >25' To 30', Add</i>	9.35	
			<i>For Elevated Installation >30' To 35', Add</i>	10.68	
			<i>For Elevated Installation >35' To 40', Add</i>	13.35	
			<i>For Elevated Installation >40', Add</i>	14.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2670	EA		3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.40	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.54	
			<i>For Elevated Installation >10' To 15', Add</i>	3.51	
			<i>For Elevated Installation >15' To 20', Add</i>	7.03	
			<i>For Elevated Installation >20' To 25', Add</i>	8.79	
			<i>For Elevated Installation >25' To 30', Add</i>	12.30	
			<i>For Elevated Installation >30' To 35', Add</i>	14.06	
			<i>For Elevated Installation >35' To 40', Add</i>	17.57	
			<i>For Elevated Installation >40', Add</i>	19.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2671	EA		1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	60.73	17.42
			<i>For Work In Restricted Working Space, Add</i>	13.07	
			<i>For Elevated Installation >10' To 15', Add</i>	4.36	
			<i>For Elevated Installation >15' To 20', Add</i>	8.71	
			<i>For Elevated Installation >20' To 25', Add</i>	10.89	
			<i>For Elevated Installation >25' To 30', Add</i>	15.25	
			<i>For Elevated Installation >30' To 35', Add</i>	17.43	
			<i>For Elevated Installation >35' To 40', Add</i>	21.79	
			<i>For Elevated Installation >40', Add</i>	23.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.07	
26 05 33 13-2672	EA		1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	83.17	21.36
			<i>For Work In Restricted Working Space, Add</i>	16.02	
			<i>For Elevated Installation >10' To 15', Add</i>	5.34	
			<i>For Elevated Installation >15' To 20', Add</i>	10.68	
			<i>For Elevated Installation >20' To 25', Add</i>	13.35	
			<i>For Elevated Installation >25' To 30', Add</i>	18.69	
			<i>For Elevated Installation >30' To 35', Add</i>	21.36	
			<i>For Elevated Installation >35' To 40', Add</i>	26.71	
			<i>For Elevated Installation >40', Add</i>	29.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.02	
26 05 33 13-2673	EA		1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	102.01	24.74
			<i>For Work In Restricted Working Space, Add</i>	18.55	
			<i>For Elevated Installation >10' To 15', Add</i>	6.18	
			<i>For Elevated Installation >15' To 20', Add</i>	12.37	
			<i>For Elevated Installation >20' To 25', Add</i>	15.46	
			<i>For Elevated Installation >25' To 30', Add</i>	21.64	
			<i>For Elevated Installation >30' To 35', Add</i>	24.74	
			<i>For Elevated Installation >35' To 40', Add</i>	30.92	
			<i>For Elevated Installation >40', Add</i>	34.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.55	
26 05 33 13-2674	EA		2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	141.77	28.11
			<i>For Work In Restricted Working Space, Add</i>	21.08	
			<i>For Elevated Installation >10' To 15', Add</i>	7.03	
			<i>For Elevated Installation >15' To 20', Add</i>	14.05	
			<i>For Elevated Installation >20' To 25', Add</i>	17.57	
			<i>For Elevated Installation >25' To 30', Add</i>	24.59	
			<i>For Elevated Installation >30' To 35', Add</i>	28.11	
			<i>For Elevated Installation >35' To 40', Add</i>	35.14	
			<i>For Elevated Installation >40', Add</i>	38.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.08	
26 05 33 13-2675			Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2660)</small>		
26 05 33 13-2676	EA		1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	48.87	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.54	
			<i>For Elevated Installation >10' To 15', Add</i>	3.51	
			<i>For Elevated Installation >15' To 20', Add</i>	7.03	
			<i>For Elevated Installation >20' To 25', Add</i>	8.79	
			<i>For Elevated Installation >25' To 30', Add</i>	12.30	
			<i>For Elevated Installation >30' To 35', Add</i>	14.06	
			<i>For Elevated Installation >35' To 40', Add</i>	17.57	
			<i>For Elevated Installation >40', Add</i>	19.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2677 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	63.36	17.42
<i>For Work In Restricted Working Space, Add</i>	13.07	
<i>For Elevated Installation >10' To 15', Add</i>	4.36	
<i>For Elevated Installation >15' To 20', Add</i>	8.71	
<i>For Elevated Installation >20' To 25', Add</i>	10.89	
<i>For Elevated Installation >25' To 30', Add</i>	15.25	
<i>For Elevated Installation >30' To 35', Add</i>	17.43	
<i>For Elevated Installation >35' To 40', Add</i>	21.79	
<i>For Elevated Installation >40', Add</i>	23.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.07	
26 05 33 13-2678 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	76.55	21.36
<i>For Work In Restricted Working Space, Add</i>	16.02	
<i>For Elevated Installation >10' To 15', Add</i>	5.34	
<i>For Elevated Installation >15' To 20', Add</i>	10.68	
<i>For Elevated Installation >20' To 25', Add</i>	13.35	
<i>For Elevated Installation >25' To 30', Add</i>	18.69	
<i>For Elevated Installation >30' To 35', Add</i>	21.36	
<i>For Elevated Installation >35' To 40', Add</i>	26.71	
<i>For Elevated Installation >40', Add</i>	29.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.02	
26 05 33 13-2679 EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	104.59	24.74
<i>For Work In Restricted Working Space, Add</i>	19.40	
<i>For Elevated Installation >10' To 15', Add</i>	6.47	
<i>For Elevated Installation >15' To 20', Add</i>	12.93	
<i>For Elevated Installation >20' To 25', Add</i>	16.16	
<i>For Elevated Installation >25' To 30', Add</i>	22.63	
<i>For Elevated Installation >30' To 35', Add</i>	25.86	
<i>For Elevated Installation >35' To 40', Add</i>	32.33	
<i>For Elevated Installation >40', Add</i>	35.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.40	
26 05 33 13-2680 EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	133.15	28.11
<i>For Work In Restricted Working Space, Add</i>	22.77	
<i>For Elevated Installation >10' To 15', Add</i>	7.59	
<i>For Elevated Installation >15' To 20', Add</i>	15.18	
<i>For Elevated Installation >20' To 25', Add</i>	18.98	
<i>For Elevated Installation >25' To 30', Add</i>	26.57	
<i>For Elevated Installation >30' To 35', Add</i>	30.36	
<i>For Elevated Installation >35' To 40', Add</i>	37.95	
<i>For Elevated Installation >40', Add</i>	41.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
26 05 33 13-2681 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	177.10	31.48
<i>For Work In Restricted Working Space, Add</i>	26.14	
<i>For Elevated Installation >10' To 15', Add</i>	8.71	
<i>For Elevated Installation >15' To 20', Add</i>	17.43	
<i>For Elevated Installation >20' To 25', Add</i>	21.79	
<i>For Elevated Installation >25' To 30', Add</i>	30.50	
<i>For Elevated Installation >30' To 35', Add</i>	34.86	
<i>For Elevated Installation >35' To 40', Add</i>	43.57	
<i>For Elevated Installation >40', Add</i>	47.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.14	
26 05 33 13-2682 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2680)</small>		
26 05 33 13-2683 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	38.89	10.68
<i>For Work In Restricted Working Space, Add</i>	8.01	
<i>For Elevated Installation >10' To 15', Add</i>	2.67	
<i>For Elevated Installation >15' To 20', Add</i>	5.34	
<i>For Elevated Installation >20' To 25', Add</i>	6.68	
<i>For Elevated Installation >25' To 30', Add</i>	9.35	
<i>For Elevated Installation >30' To 35', Add</i>	10.68	
<i>For Elevated Installation >35' To 40', Add</i>	13.35	
<i>For Elevated Installation >40', Add</i>	14.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-2684 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	51.96	14.06
<i>For Work In Restricted Working Space, Add</i>	10.54	
<i>For Elevated Installation >10' To 15', Add</i>	3.51	
<i>For Elevated Installation >15' To 20', Add</i>	7.03	
<i>For Elevated Installation >20' To 25', Add</i>	8.79	
<i>For Elevated Installation >25' To 30', Add</i>	12.30	
<i>For Elevated Installation >30' To 35', Add</i>	14.06	
<i>For Elevated Installation >35' To 40', Add</i>	17.57	
<i>For Elevated Installation >40', Add</i>	19.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33 13-2685 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	66.19	17.42
<i>For Work In Restricted Working Space, Add</i>	13.07	
<i>For Elevated Installation >10' To 15', Add</i>	4.36	
<i>For Elevated Installation >15' To 20', Add</i>	8.71	
<i>For Elevated Installation >20' To 25', Add</i>	10.89	
<i>For Elevated Installation >25' To 30', Add</i>	15.25	
<i>For Elevated Installation >30' To 35', Add</i>	17.43	
<i>For Elevated Installation >35' To 40', Add</i>	21.79	
<i>For Elevated Installation >40', Add</i>	23.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.07	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2686 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	85.25	21.36
<i>For Work In Restricted Working Space, Add</i>	16.02	
<i>For Elevated Installation >10' To 15', Add</i>	5.34	
<i>For Elevated Installation >15' To 20', Add</i>	10.68	
<i>For Elevated Installation >20' To 25', Add</i>	13.35	
<i>For Elevated Installation >25' To 30', Add</i>	18.69	
<i>For Elevated Installation >30' To 35', Add</i>	21.36	
<i>For Elevated Installation >35' To 40', Add</i>	26.71	
<i>For Elevated Installation >40', Add</i>	29.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.02	
26 05 33 13-2687 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	103.21	24.74
<i>For Work In Restricted Working Space, Add</i>	18.55	
<i>For Elevated Installation >10' To 15', Add</i>	6.18	
<i>For Elevated Installation >15' To 20', Add</i>	12.37	
<i>For Elevated Installation >20' To 25', Add</i>	15.46	
<i>For Elevated Installation >25' To 30', Add</i>	21.64	
<i>For Elevated Installation >30' To 35', Add</i>	24.74	
<i>For Elevated Installation >35' To 40', Add</i>	30.92	
<i>For Elevated Installation >40', Add</i>	34.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.55	
26 05 33 13-2688 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	152.88	28.11
<i>For Work In Restricted Working Space, Add</i>	21.08	
<i>For Elevated Installation >10' To 15', Add</i>	7.03	
<i>For Elevated Installation >15' To 20', Add</i>	14.05	
<i>For Elevated Installation >20' To 25', Add</i>	17.57	
<i>For Elevated Installation >25' To 30', Add</i>	24.59	
<i>For Elevated Installation >30' To 35', Add</i>	28.11	
<i>For Elevated Installation >35' To 40', Add</i>	35.14	
<i>For Elevated Installation >40', Add</i>	38.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.08	
26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2547)		
26 05 33 13-2690 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	177.48	30.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.11	
26 05 33 13-2691 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	636.32	56.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.71	
26 05 33 13-2692 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,226.77	115.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.65	
26 05 33 13-2693 Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2547)		
26 05 33 13-2694 Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2693)		
26 05 33 13-2695 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover	14.03	5.48
26 05 33 13-2696 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover	17.08	6.39
26 05 33 13-2697 EA 1" Replacement Stamped Aluminum Conduit Body Cover	21.89	8.23
26 05 33 13-2698 EA 1-1/4" Replacement Stamped Aluminum Conduit Body Cover	26.66	10.05
26 05 33 13-2699 EA 1-1/2" Replacement Stamped Aluminum Conduit Body Cover	32.64	11.87
26 05 33 13-2700 EA 2" Replacement Stamped Aluminum Conduit Body Cover	38.59	13.71
26 05 33 13-2701 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover	50.42	15.53
26 05 33 13-2702 EA 3" Replacement Stamped Aluminum Conduit Body Cover	65.81	21.92
26 05 33 13-2703 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover	71.48	24.67
26 05 33 13-2704 EA 4" Replacement Stamped Aluminum Conduit Body Cover	90.04	31.06
26 05 33 13-2705 Replacement Cast Steel Conduit Body Cover (26 05 33 13-2693)		
26 05 33 13-2706 EA 1/2" Replacement Cast Steel Conduit Body Cover	16.12	5.48
26 05 33 13-2707 EA 3/4" Replacement Cast Steel Conduit Body Cover	18.90	6.39
26 05 33 13-2708 EA 1" Replacement Cast Steel Conduit Body Cover	26.38	8.23
26 05 33 13-2709 EA 1-1/4" Replacement Cast Steel Conduit Body Cover	32.75	10.05
26 05 33 13-2710 EA 1-1/2" Replacement Cast Steel Conduit Body Cover	39.74	11.87
26 05 33 13-2711 EA 2" Replacement Cast Steel Conduit Body Cover	46.70	13.71
26 05 33 13-2712 EA 2-1/2" Replacement Cast Steel Conduit Body Cover	53.64	15.53
26 05 33 13-2713 EA 3" Replacement Cast Steel Conduit Body Cover	73.41	21.92
26 05 33 13-2714 EA 3-1/2" Replacement Cast Steel Conduit Body Cover	83.47	24.67
26 05 33 13-2715 EA 4" Replacement Cast Steel Conduit Body Cover	105.20	31.06
26 05 33 13-2716 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2693)		
26 05 33 13-2717 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket	13.09	5.48
26 05 33 13-2718 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket	14.99	6.39
26 05 33 13-2719 EA 1" Replacement Velbuna Composition Conduit Body Gasket	19.55	8.23
26 05 33 13-2720 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket	25.25	10.05
26 05 33 13-2721 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket	28.91	11.87
26 05 33 13-2722 EA 2" Replacement Velbuna Composition Conduit Body Gasket	34.27	13.71
26 05 33 13-2723 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket	44.51	15.53
26 05 33 13-2724 EA 3" Replacement Velbuna Composition Conduit Body Gasket	58.43	21.92
26 05 33 13-2725 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket	64.50	24.67
26 05 33 13-2726 EA 4" Replacement Velbuna Composition Conduit Body Gasket	77.15	31.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

26 05 33 13-2727 Replacement Neoprene Conduit Body Gasket <small>(26 05 33 13-2693)</small>					
26 05 33 13-2728	EA		1/2" Replacement Neoprene Conduit Body Gasket.....	14.55	5.48
26 05 33 13-2729	EA		3/4" Replacement Neoprene Conduit Body Gasket.....	16.38	6.39
26 05 33 13-2730	EA		1" Replacement Neoprene Conduit Body Gasket.....	21.37	8.23
26 05 33 13-2731	EA		1-1/4" Replacement Neoprene Conduit Body Gasket.....	26.17	10.05
26 05 33 13-2732	EA		1-1/2" Replacement Neoprene Conduit Body Gasket.....	29.83	11.87
26 05 33 13-2733	EA		2" Replacement Neoprene Conduit Body Gasket.....	34.37	13.71
26 05 33 13-2734	EA		2-1/2" Replacement Neoprene Conduit Body Gasket.....	44.74	15.53
26 05 33 13-2735	EA		3" Replacement Neoprene Conduit Body Gasket.....	58.66	21.92
26 05 33 13-2736	EA		3-1/2" Replacement Neoprene Conduit Body Gasket.....	66.05	24.67
26 05 33 13-2737	EA		4" Replacement Neoprene Conduit Body Gasket.....	78.70	31.06

26 05 33 16 Boxes for Electrical Systems (26 05 33)
 See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)
 Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>					
26 05 33 16-0003	EA		1-1/2" Depth, 4" Square Steel Box.....	51.08	23.07
			<i>For Stud Bracket, Add</i>	1.21	
26 05 33 16-0004	EA		2-1/8" Depth, 4" Square Steel Box.....	53.32	23.07
			<i>For Stud Bracket, Add</i>	2.17	
26 05 33 16-0005	EA		3-1/2" Depth, 4" Square Steel Box.....	61.01	23.07
			<i>For Stud Bracket, Add</i>	2.37	
26 05 33 16-0006	EA		1-1/2" Depth, 4" Square Steel Extension Ring.....	41.72	15.39
26 05 33 16-0007	EA		2-1/8" Depth, 4" Square Steel Extension Ring.....	33.94	15.39
26 05 33 16-0008	EA		1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.74	7.69
26 05 33 16-0009	EA		5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	18.10	7.69
26 05 33 16-0010	EA		3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	18.36	7.69
26 05 33 16-0011	EA		1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	19.19	7.69
26 05 33 16-0012	EA		1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	19.43	7.69
26 05 33 16-0013	EA		1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	22.09	7.69
26 05 33 16-0014	EA		1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	18.75	7.69
26 05 33 16-0015	EA		5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	19.01	7.69
26 05 33 16-0016	EA		3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	19.32	7.69
26 05 33 16-0017	EA		1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	22.05	7.69
26 05 33 16-0018	EA		1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	22.61	7.69
26 05 33 16-0019	EA		1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	26.07	7.69
26 05 33 16-0020	EA		3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	20.08	7.69
26 05 33 16-0021	EA		1" Depth, Fixture Cover, 4" Square Mud Rings.....	22.28	7.69
26 05 33 16-0022	EA		One Toggle Switch, 4" Square Steel Exposed Work Cover.....	18.71	7.69
26 05 33 16-0023	EA		Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	18.91	7.69
26 05 33 16-0024	EA		One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	18.66	7.69
26 05 33 16-0025	EA		Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	19.25	7.69
26 05 33 16-0026	EA		One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	19.74	7.69
26 05 33 16-0027	EA		One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	25.84	7.69
26 05 33 16-0028	EA		One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	19.65	7.69
26 05 33 16-0029	EA		Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	25.84	7.69
26 05 33 16-0030	EA		One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	19.65	7.69
26 05 33 16-0031	EA		One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	21.08	7.69
26 05 33 16-0032	EA		One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	25.84	7.69
26 05 33 16-0033	EA		One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	25.84	7.69
26 05 33 16-0034	EA		Flat, 4" Square Steel Exposed Work Cover.....	16.97	7.69

26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>					
26 05 33 16-0036	EA		1-1/2" Depth, 4-11/16" Square Steel Box.....	59.37	23.07
26 05 33 16-0037	EA		2-1/8" Depth, 4-11/16" Square Steel Box.....	54.30	23.07
			<i>For Stud Bracket, Add</i>	1.14	
26 05 33 16-0038	EA		3-1/4" Depth, 4-11/16" Square Steel Box.....	79.76	23.07
26 05 33 16-0039	EA		1-1/2" Depth, 4-11/16" Square Extension Ring.....	43.84	15.39
26 05 33 16-0040	EA		2-1/8" Depth, 4-11/16" Square Extension Ring.....	45.09	15.39
26 05 33 16-0041	EA		1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	22.81	7.69
26 05 33 16-0042	EA		5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	22.87	7.69
26 05 33 16-0043	EA		3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	25.03	7.69
26 05 33 16-0044	EA		1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	24.16	7.69
26 05 33 16-0045	EA		1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	23.97	7.69
26 05 33 16-0046	EA		1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	32.96	7.69
26 05 33 16-0047	EA		1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	24.53	7.69
26 05 33 16-0048	EA		5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	25.00	7.69
26 05 33 16-0049	EA		3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	25.03	7.69
26 05 33 16-0050	EA		1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	28.21	7.69
26 05 33 16-0051	EA		1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	28.87	7.69
26 05 33 16-0052	EA		1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	36.57	7.69
26 05 33 16-0053	EA		1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	24.11	7.69
26 05 33 16-0054	EA		5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	24.34	7.69
26 05 33 16-0055	EA		One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	30.30	7.69
26 05 33 16-0056	EA		Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	31.97	7.69
26 05 33 16-0057	EA		One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	29.81	7.69

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	27.99	7.69
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	34.08	7.69
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	31.96	7.69
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	31.96	7.69
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	31.96	7.69
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover	18.33	7.69
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	25.37	11.56
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box	18.92	7.70
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	30.77	11.56
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	33.55	11.56
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box	42.50	19.22
For Stud Bracket, Add	2.94	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box	44.46	19.22
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover	16.84	7.69
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring	70.39	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring	74.92	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring	78.37	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring	81.71	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring	90.19	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring	99.00	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring	105.67	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover	19.54	7.69
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	70.25	19.22
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	77.37	20.77
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	94.12	23.07
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	125.56	25.38
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	191.95	27.69
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	100.52	19.22
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	109.62	20.77
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	148.58	23.07
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	193.28	25.38
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	325.84	27.69
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring	31.13	7.69
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring	31.64	7.69
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring	37.47	7.69
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring	47.50	7.69
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring	69.49	7.69
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover	26.12	7.69
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover	31.58	7.69
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover	38.83	7.69
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover	48.06	7.69
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover	71.05	7.69
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	46.27	19.22
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	47.12	19.22
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	51.49	19.22
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	61.31	19.22
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	62.16	19.22
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	75.46	19.22
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box	42.28	19.22
For Stud Bracket, Add	4.73	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box	43.19	19.22
For Stud Bracket, Add	2.04	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box	45.20	19.22
For Stud Bracket, Add	2.77	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	28.56	11.54
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	27.66	11.54
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	9.67	3.85
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	9.84	3.85
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	8.99	3.85
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	9.05	3.85
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	10.78	3.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	9.05	3.85
26 05 33 16-0122 3-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	64.48	26.92
26 05 33 16-0124 EA 2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	72.97	28.46
26 05 33 16-0125 EA 3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	84.57	30.76
26 05 33 16-0126 EA 4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	96.94	33.84
26 05 33 16-0127 Cast Boxes <small>(26 05 33 16)</small>		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>		
See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	121.46	46.15
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	133.03	53.83
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	157.69	65.37
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	153.84	61.53
Note: Two hubs.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	193.70	73.07
Note: Two hubs.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	153.34	61.53
Note: Two hubs.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	183.91	73.07
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	156.49	61.53
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	183.96	73.07
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	153.34	61.53
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	180.07	73.07
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	184.62	76.91
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	219.17	92.29
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	190.66	76.91
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	242.20	92.29
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	194.61	76.91
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	232.73	92.29
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	184.11	76.91
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	235.39	92.29
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	231.64	92.29
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	279.55	111.52
Note: Four hubs.		
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	125.90	46.15
Note: One hub.		
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	145.37	53.83
Note: One hub.		
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	171.93	65.37
Note: One hub.		
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	161.97	61.53
Note: Two hubs.		
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	188.09	73.07
Note: Two hubs.		
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	226.42	88.44
Note: Two hubs.		
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box	199.18	73.07
Note: Two hubs.		
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box	255.33	92.29
Note: Three hubs.		
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	143.14	49.99
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	159.83	57.68
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	186.87	69.22
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	176.04	65.37
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	201.39	76.91
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	156.49	49.99
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	172.39	57.68
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	196.14	65.37
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	222.63	76.91
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0172 Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	106.08	38.46
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	122.62	46.15
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	139.74	57.68
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	100.90	38.46
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	126.27	46.15
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	137.35	53.83
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	165.38	65.37
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	206.83	80.76
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	146.36	53.83
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	160.99	65.37
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	141.24	53.83
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	164.06	65.37
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	137.92	53.83
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	164.06	65.37
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	130.28	53.83
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	172.18	65.37
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	166.31	69.22
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	202.35	84.60
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	174.23	69.22
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	229.80	84.60
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	173.57	69.22
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	212.79	84.60
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	215.15	84.60
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	211.76	84.60
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	258.78	103.83
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	115.27	38.46
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	138.13	46.15
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	161.06	57.68
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	146.52	46.15
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	149.23	53.83
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	179.97	65.37
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	205.46	80.76
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	181.92	65.37
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	225.04	84.60
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	135.82	42.30
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	156.39	49.99
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	172.21	61.53
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	172.39	57.68
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	181.49	69.22
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	223.70	84.60
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	135.72	42.30
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	157.64	49.99
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	175.26	57.68
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	200.71	69.22
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	175.26	57.68
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	200.71	69.22
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	184.48	61.53
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	209.19	73.07
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	201.44	53.83
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	227.46	65.37
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	211.60	61.53
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	258.48	69.22
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	243.75	76.91
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	235.06	69.22
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA Note: One hub.	282.57	76.91
26 05 33 16-0234 Non-Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	76.23	32.31

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	87.36	37.69
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	100.46	45.76
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	98.13	43.07
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	115.47	51.15
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	140.02	61.92
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	98.44	43.07
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	114.65	51.15
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	137.21	61.92
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	124.13	53.83
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	142.41	64.60
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	168.36	78.07
26 05 33 16-0248 Deep, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	77.13	32.31
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	75.54	32.31
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	89.52	37.69
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	101.34	45.76
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	99.91	43.07
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	113.14	51.15
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	135.48	61.92
26 05 33 16-0256 Shallow, Two Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	82.09	34.99
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	94.13	40.38
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	106.01	48.45
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	101.54	45.76
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	124.73	53.83
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	147.85	64.60
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	103.64	45.76
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	130.56	53.83
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	143.17	64.60
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	126.90	56.53
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	164.82	67.30
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	173.60	80.76
26 05 33 16-0269 Poke Thru Units (26 05 33 16)		
26 05 33 16-0270 Surface Poke Thru Units (26 05 33 16-0269)		
Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271 EA Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	596.81	57.68
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	381.70	
26 05 33 16-0273 EA 20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	55.98	15.39
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	64.41	7.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0275 EA Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit 673.88	673.88	61.53
Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.		
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements 358.12	358.12	
Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.		
26 05 33 16-0277 EA Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit 94.98	94.98	23.07
Note: Wiremold RC4REC2.		
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit 64.41	64.41	7.69
Note: Wiremold RC4APTCHK.		
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit 185.58	185.58	15.39
Note: Wiremold ABPLUG4.		
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit 534.79	534.79	53.83
Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.		
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit 45.46	45.46	7.69
Note: Wiremold RC9APTCHK.		
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit 532.40	532.40	53.83
Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.		
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units 62.33	62.33	7.69
Note: Includes two conduit connections for communication systems. Wiremold COM75.		
26 05 33 16-0284	Recessed Poke Thru Units (26 05 33 16-0269)	
Note: Excludes concrete drilling.		
26 05 33 16-0285	Evolution 6AT Poke Thru Units (26 05 33 16-0284)	
Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) 914.17	914.17	61.53
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) 914.28	914.28	61.53
Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC) 872.44	872.44	61.53
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT) 872.44	872.44	61.53
Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) 914.17	914.17	61.53
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) 914.17	914.17	61.53
Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) 837.12	837.12	61.53
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC) 532.35	532.35	57.68
Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.		
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) 569.26	569.26	57.68
Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.		
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) 572.92	572.92	57.68
Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.		
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) 168.07	168.07	30.76
Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.		
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC) 364.75	364.75	15.39
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.		
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT) 364.75	364.75	15.39
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	304.22	15.39
26 05 33 16-0300	EA	Tile Shim (Wiremold 6T5)..... Note: Used for floor coverings greater than 5/16" The 6T5 will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	44.65	3.85
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	24.17	7.69
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	27.45	7.69
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	24.07	7.69
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	24.13	7.69
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	23.99	7.69
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	27.79	7.69
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	27.53	7.69
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	28.12	7.69
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	23.68	7.69
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	23.70	7.69
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	23.41	7.69
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	23.41	7.69
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	53.64	11.54
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	21.69	7.69
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	22.16	7.69
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	159.92	13.84
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	27.23	7.69
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	28.25	7.69
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	28.97	7.69
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	45.88	15.39
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	53.20	19.22
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	57.90	19.22
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	44.29	15.39
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	28.08	7.69
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	28.08	7.69
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	29.43	7.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTH, and 1BLH plates.	30.34	7.69
26 05 33 16-0328 Evolution 8AT Poke Thru Units <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,191.76	61.53
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,135.45	61.53
26 05 33 16-0331 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,204.51	61.53
26 05 33 16-0332 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,124.85	61.53
26 05 33 16-0333 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,114.80	61.53
26 05 33 16-0334 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	681.36	57.68
26 05 33 16-0335 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	760.69	57.68
26 05 33 16-0336 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	199.03	30.76
26 05 33 16-0337 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	393.96	15.39
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	393.96	15.39
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	68.73	3.85
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	24.87	7.69
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.00	7.69
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.14	7.69
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	28.66	7.69
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	34.07	7.69
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	34.03	7.69
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	24.21	7.69
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	24.48	7.69
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.21	7.69
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.21	7.69
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	33.59	7.69
26 05 33 16-0351 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	28.50	7.69
26 05 33 16-0352 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	32.39	7.69

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0353 EA Bottom Housing Assembly (Wiremold 22CHA).....	45.88	15.39
Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.		
26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)		
26 05 33 23-0001 Raceways (26 05 33 23)		
26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)		
Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.		
26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0004 LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	31.08	7.02
For Combination Hinged Screw Cover, Add	0.85	
For Concrete Or Masonry Surface, Add	0.70	
26 05 33 23-0005 EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	27.25	10.54
For Combination Hinged Screw Cover, Add	0.31	
26 05 33 23-0006 EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	32.45	13.15
For Combination Hinged Screw Cover, Add	0.31	
26 05 33 23-0007 EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	67.29	24.60
For Combination Hinged Screw Cover, Add	0.91	
26 05 33 23-0008 EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover.....	103.34	24.60
For Combination Hinged Screw Cover, Add	2.71	
26 05 33 23-0009 EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	152.58	35.00
For Combination Hinged Screw Cover, Add	4.14	
26 05 33 23-0010 EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	171.09	38.65
For Combination Hinged Screw Cover, Add	4.69	
26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0012 LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover.....	38.13	8.86
For Combination Hinged Screw Cover, Add	1.03	
For Concrete Or Masonry Surface, Add	0.88	
26 05 33 23-0013 LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	66.09	8.86
For Combination Hinged Screw Cover, Add	2.43	
For Concrete Or Masonry Surface, Add	0.88	
26 05 33 23-0014 EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	21.90	7.73
For Combination Hinged Screw Cover, Add	0.32	
26 05 33 23-0015 EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover.....	35.96	14.76
For Combination Hinged Screw Cover, Add	0.32	
26 05 33 23-0016 EA 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	79.84	30.08
For Combination Hinged Screw Cover, Add	0.98	
26 05 33 23-0017 EA 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	119.48	30.08
For Combination Hinged Screw Cover, Add	2.96	
26 05 33 23-0018 EA 4" x 4", Tee For Surface Mounted Wireway With Screw Cover	168.00	39.08
For Combination Hinged Screw Cover, Add	4.49	
26 05 33 23-0019 EA 4" x 4", Cross For Surface Mounted Wireway With Screw Cover	194.25	45.68
For Combination Hinged Screw Cover, Add	5.14	
26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0021 LF 6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover.....	56.12	10.54
For Combination Hinged Screw Cover, Add	1.75	
For Concrete Or Masonry Surface, Add	1.06	
26 05 33 23-0022 LF 6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	105.15	10.54
For Combination Hinged Screw Cover, Add	4.20	
For Concrete Or Masonry Surface, Add	1.06	
26 05 33 23-0023 EA 6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	27.23	8.44
For Combination Hinged Screw Cover, Add	0.52	
26 05 33 23-0024 EA 6" x 6", Coupling For Surface Mounted Wireway With Screw Cover.....	45.50	17.57
For Combination Hinged Screw Cover, Add	0.52	
26 05 33 23-0025 EA 6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	110.13	35.00
For Combination Hinged Screw Cover, Add	2.01	
26 05 33 23-0026 EA 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	151.99	35.00
For Combination Hinged Screw Cover, Add	4.11	
26 05 33 23-0027 EA 6" x 6", Tee For Surface Mounted Wireway With Screw Cover	234.93	43.71
For Combination Hinged Screw Cover, Add	7.38	
26 05 33 23-0028 EA 6" x 6", Cross For Surface Mounted Wireway With Screw Cover	255.77	50.60
For Combination Hinged Screw Cover, Add	7.73	
26 05 33 23-0029 8" x 8", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0030 LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover.....	88.60	11.52
For Combination Hinged Screw Cover, Add	3.28	
For Concrete Or Masonry Surface, Add	1.15	
26 05 33 23-0031 LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	158.44	11.52
For Combination Hinged Screw Cover, Add	6.77	
For Concrete Or Masonry Surface, Add	1.15	
26 05 33 23-0032 EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	29.94	9.14
For Combination Hinged Screw Cover, Add	0.58	
26 05 33 23-0033 EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	49.61	18.98
For Combination Hinged Screw Cover, Add	0.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0034 EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	122.74 2.29	38.51
26 05 33 23-0035 EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	190.72 5.68	38.51
26 05 33 23-0036 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	280.76 9.29	47.51
26 05 33 23-0037 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	388.91 13.68	57.63
26 05 33 23-0038 10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	127.46 5.04 1.34	13.36
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	221.97 9.76 1.34	13.36
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	41.11 1.00	10.54
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	62.19 1.00	21.08
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	160.40 3.83	41.88
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	295.26 10.57	41.88
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	442.84 16.86	52.85
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	626.25 25.34	59.73
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	149.84 5.88 1.62	16.16
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	244.82 10.63 1.62	16.16
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	53.10 1.53	11.24
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	75.59 1.53	22.49
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	207.10 5.79	45.68
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	385.70 14.72	45.68
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	496.49 19.20	56.22
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	798.89 33.62	63.25
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059 LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500) <i>For Concrete Or Masonry Surface, Add</i>	5.92 0.21	2.10
26 05 33 23-0060 EA Bushing (Wiremold #502)	6.03	2.82
26 05 33 23-0061 EA One Or Two Hole Strap (Wiremold #504)	6.08	2.82
26 05 33 23-0062 EA Connection Cover (Wiremold #506)	6.27	2.82
26 05 33 23-0063 EA Flat 90 Degree Elbow (Wiremold #511)	9.27	3.38
26 05 33 23-0064 EA Flat 45 Degree Elbow (Wiremold #512)	14.74	3.52
26 05 33 23-0065 EA Adjustable Internal Elbow (Wiremold #517)	11.54	4.22
26 05 33 23-0066 EA Adjustable External Elbow (Wiremold #518)	11.31	4.22
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small> Note: Available in ivory and white.		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700) <i>For Concrete Or Masonry Surface, Add</i>	7.49 0.28	2.82
26 05 33 23-0069 EA Bushing (Wiremold #702)	6.15	2.82
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704)	6.31	2.82
26 05 33 23-0071 EA Connection Cover (Wiremold #706)	6.35	2.82
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711)	13.80	5.62
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712)	20.59	5.62
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717)	14.73	5.62
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718)	14.30	5.62

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700

Fittings) (26 05 33 23-0057)

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	36.83	4.22
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	6.29	2.82
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	6.29	2.82
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	16.88	4.22
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	14.48	4.22
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	16.74	5.62
26 05 33 23-0083	EA	Tee (Wiremold #5715)	19.07	7.02
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	30.89	5.62
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	24.22	5.62
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	13.18	3.52
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	29.52	5.62
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	29.42	5.62
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	13.91	3.52
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	26.91	5.62
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	26.04	5.62
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	26.24	5.62
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	26.24	5.62
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	29.42	5.62
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	29.09	5.62
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	30.91	5.62
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	35.80	9.14
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	57.70	17.57
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	27.80	9.14
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	42.23	9.14
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	47.97	9.14
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	71.27	9.14
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	38.08	7.73
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	42.21	7.73
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	66.16	7.73
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	28.89	9.14
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	25.76	9.14
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	35.02	9.14
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	65.32	9.14
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	27.33	9.14
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	36.90	9.14
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	63.57	9.14
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	92.91	9.14
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	151.25	9.14
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	153.86	9.14
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	27.03	9.14
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	26.37	9.14
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	34.09	9.14
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	64.16	9.14
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	28.26	9.14
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	35.71	9.14
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	50.13	9.14
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	17.52	3.52
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	16.74	3.52
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	11.52	3.52
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	20.96	4.22
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	11.61	3.52
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	25.91	4.22
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	23.36	4.22
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	13.60	4.22
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	21.78	4.22
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	11.77	3.52
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	10.32	2.82

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05

33 23-0057)

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	10.62	3.52
		For Concrete Or Masonry Surface, Add	0.35	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	6.81	2.82
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	8.13	3.52
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	9.28	4.22
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	34.94	13.36
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	35.96	13.36
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	38.34	13.36
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	38.14	13.36
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	33.52	9.14
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	34.48	9.14
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	67.45	17.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0146 EA Single Receptacle Box (Wiremold #1546A).....	35.42	9.14
26 05 33 23-0147 EA Duplex Receptacle Box (Wiremold #1546B).....	42.67	9.14
26 05 33 23-0148 EA Telephone Box (Wiremold #1546T).....	41.92	9.14
26 05 33 23-0149 EA Combination Connection (Wiremold #1585).....	20.20	4.22
26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) <small>(26 05 33 23-0057)</small>		
<i>Note: Galvanized finish.</i>		
26 05 33 23-0151 LF 2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10).....	18.32	6.32
<i>For Concrete Or Masonry Surface, Add</i>		
	0.63	
26 05 33 23-0152 EA Wire Clip (Wiremold #2600WC).....	6.98	2.82
26 05 33 23-0153 EA Fiber Bushing (Wiremold #2602).....	7.74	2.82
26 05 33 23-0154 EA 2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	26.79	4.92
26 05 33 23-0155 EA 5" Diameter, Junction Box (Wiremold #2642D).....	40.05	7.02
26 05 33 23-0156 EA Service Fitting (Wiremold #2686FO).....	39.54	8.44
26 05 33 23-0157 Two Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
<i>Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).</i>		
26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) <small>(26 05 33 23-0157)</small>		
26 05 33 23-0159 LF 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC).....	10.51	3.52
<i>For Concrete Or Masonry Surface, Add</i>		
	0.35	
26 05 33 23-0160 EA Wire Clip (Wiremold #2000WC).....	5.12	2.82
26 05 33 23-0161 EA Coupling (Wiremold #2001).....	13.77	3.52
26 05 33 23-0162 EA Supporting Clip (Wiremold #2003).....	6.50	2.10
26 05 33 23-0163 EA Cover Clip (Wiremold #2006).....	6.05	2.10
26 05 33 23-0164 EA Ground Clamp (Wiremold #2009).....	15.33	3.52
26 05 33 23-0165 EA Entrance End Fitting (Wiremold #2010A2).....	31.01	10.54
26 05 33 23-0166 EA Entrance End Fitting (Wiremold #2010A3).....	52.28	14.06
26 05 33 23-0167 EA Blank End Fitting (Wiremold #2010B).....	8.36	3.52
26 05 33 23-0168 EA Flat 90 Degree Elbow (Wiremold #2011).....	26.70	9.14
26 05 33 23-0169 EA Tee (Wiremold #2015).....	48.30	13.22
26 05 33 23-0170 EA Internal Corner Coupling (Wiremold #2017TC).....	17.32	7.02
26 05 33 23-0171 EA Single Gang Device Box (Wiremold #2048).....	40.17	12.51
26 05 33 23-0172 EA 2-Gang device Box (Wiremold #2048-2).....	62.25	13.92
26 05 33 23-0173 EA Flush Plate Adapter (Wiremold #2051H).....	43.59	13.92
26 05 33 23-0174 EA Side Reducing Connector (Wiremold #2089).....	35.10	7.02
26 05 33 23-0175 EA #2089E End Reducing Connector.....	14.59	3.52
26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) <small>(26 05 33 23-0157)</small>		
<i>Note: Available in gray enamel (G) or ivory (V).</i>		
26 05 33 23-0177 LF 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B).....	9.01	3.52
<i>For Concrete Or Masonry Surface, Add</i>		
	0.35	
26 05 33 23-0178 LF 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD).....	9.81	3.52
<i>For Concrete Or Masonry Surface, Add</i>		
	0.35	
26 05 33 23-0179 LF Raceway Cover (Wiremold #2400C).....	3.43	0.70
26 05 33 23-0180 EA Wire Clip (Wiremold #2400WC).....	5.09	2.82
26 05 33 23-0181 EA Coupling (Wiremold #2401).....	13.64	3.52
26 05 33 23-0182 EA Divided Raceway Coupling (Wiremold #2401D).....	10.84	3.52
26 05 33 23-0183 EA Cover Clip (Wiremold #2406).....	6.04	2.10
26 05 33 23-0184 EA Device Bracket Frame (Wiremold #2407-2CM).....	43.78	10.54
26 05 33 23-0185 EA Device Bracket Frame (Wiremold #2407-2TJ).....	42.04	10.54
26 05 33 23-0186 EA Ground Clamp (Wiremold #2409).....	11.31	2.82
26 05 33 23-0187 EA End Fitting (Wiremold #2410A).....	29.55	10.54
26 05 33 23-0188 EA Blank End (Wiremold #2410B).....	8.38	3.52
26 05 33 23-0189 EA Divided Blank End Fitting (Wiremold #2410BD).....	8.48	3.52
26 05 33 23-0190 EA Entrance End Fitting (Wiremold #2410C).....	43.59	10.54
26 05 33 23-0191 EA Divided Entrance End Fitting (Wiremold #2410D).....	41.91	10.54
26 05 33 23-0192 EA Divided Entrance End Fitting (Wiremold #2410DFO).....	67.07	10.54
26 05 33 23-0193 EA Full Cap Entrance End Fitting (Wiremold #2410FC).....	51.98	10.54
26 05 33 23-0194 EA Divided Flat 90 Degree Elbow (Wiremold #2411D).....	32.84	10.54
26 05 33 23-0195 EA Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO).....	51.06	10.54
26 05 33 23-0196 EA Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	45.98	10.40
26 05 33 23-0197 EA Flat 90 Degree Elbow (Wiremold #2411M).....	31.42	10.54
26 05 33 23-0198 EA Radiused Divided Tee (Wiremold #2415DFO).....	54.58	10.40
26 05 33 23-0199 EA Radiused Tee (Wiremold #2415FO).....	52.03	10.40
26 05 33 23-0200 EA Tee (Wiremold #2415M).....	36.76	10.40
26 05 33 23-0201 EA Divided Internal Coupling (Wiremold #2417D).....	31.09	10.40
26 05 33 23-0202 EA Radiused Divided Internal Coupling (Wiremold #2417DFO).....	47.40	10.40
26 05 33 23-0203 EA Radiused Internal Coupling (Wiremold #2417FO).....	46.06	10.40
26 05 33 23-0204 EA Internal Coupling (Wiremold #2417M).....	30.20	10.40
26 05 33 23-0205 EA Radiused Divided External Coupling (Wiremold #2418DFO).....	51.31	10.40
26 05 33 23-0206 EA Radiused External Coupling (Wiremold #2418FO).....	50.51	10.40
26 05 33 23-0207 EA External Coupling (Wiremold #2418M).....	36.18	10.40
26 05 33 23-0208 EA 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444).....	46.58	9.14
26 05 33 23-0209 EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	51.48	9.14
26 05 33 23-0210 EA Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	51.73	9.14

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0211	EA		Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D).....	49.66	9.14
26 05 33 23-0212	EA		Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	69.22	9.14
26 05 33 23-0213	EA		Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N).....	61.18	9.14
26 05 33 23-0214	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448).....	33.25	9.14
26 05 33 23-0215	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2).....	50.39	9.14
26 05 33 23-0216	EA		Device Bracket Type Adapter Plate (Wiremold #2450).....	15.64	3.52
26 05 33 23-0217	EA		4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H).....	37.57	10.54
26 05 33 23-0218	EA		Bridge Fitting For 2400/700/500 (Wiremold #2475D).....	107.12	10.54
26 05 33 23-0219	EA		Side Reducing Connector (Wiremold #2489).....	31.77	5.62
26 05 33 23-0220			2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF		2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B).....	17.00	6.32
			<i>For Concrete Or Masonry Surface, Add</i>	0.63	
26 05 33 23-0222	LF		Raceway Cover (Wiremold #3000CE).....	3.66	0.70
26 05 33 23-0223	EA		Wire Clips For Conductors (Wiremold #3000WC).....	6.35	2.82
26 05 33 23-0224	EA		Couplings (Wiremold #3001).....	16.82	2.82
26 05 33 23-0225	EA		Rigid Inside Coupling (Wiremold #3001A).....	15.37	3.52
26 05 33 23-0226	EA		Supporting Clip (Wiremold #3003).....	11.77	3.52
26 05 33 23-0227	EA		Clip Cover (Wiremold #3006E).....	7.13	2.82
26 05 33 23-0228	EA		Device Brackets (Wiremold #3007C).....	17.67	5.62
26 05 33 23-0229	EA		C-Hanger (Wiremold #3008C).....	16.94	4.22
26 05 33 23-0230	EA		Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE).....	41.10	13.36
26 05 33 23-0231	EA		Blank End Fittings (Wiremold #3010B).....	15.38	5.62
26 05 33 23-0232	EA		Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C).....	44.85	13.36
26 05 33 23-0233	EA		Flat 90 Degree Elbow (Wiremold #3011E).....	66.16	17.42
26 05 33 23-0234	EA		Wall Box Connector (Wiremold #3014C).....	49.59	17.57
26 05 33 23-0235	EA		Tee Fitting (Wiremold #3015E).....	89.95	21.78
26 05 33 23-0236	EA		Internal Corner Coupling (Wiremold #3017TCE).....	43.96	13.36
26 05 33 23-0237	EA		External Corner (Wiremold #3018AE).....	52.78	13.36
26 05 33 23-0238	EA		Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE).....	39.46	13.36
26 05 33 23-0239	EA		Utility Box (Wiremold #3028).....	62.53	13.36
26 05 33 23-0240	EA		Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE).....	19.81	3.52
26 05 33 23-0241	EA		Blank Cover (Wiremold #3036HE).....	21.52	3.52
26 05 33 23-0242	EA		Switch Cover (Wiremold #3040CE).....	19.76	3.52
26 05 33 23-0243	EA		Duplex Receptacle Cover (Wiremold #3043BE).....	23.51	4.22
26 05 33 23-0244	EA		15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE).....	64.17	18.28
26 05 33 23-0245	EA		2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2).....	69.64	13.36
26 05 33 23-0246	EA		Duplex Receptacle Cover (Wiremold #3046BE).....	20.23	4.22
26 05 33 23-0247	EA		Tap Off Fitting (Wiremold #3046H-2).....	22.87	3.52
26 05 33 23-0248	EA		1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD).....	88.60	8.44
26 05 33 23-0249	EA		2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ).....	212.64	8.44
26 05 33 23-0250	EA		1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU).....	77.48	8.44
26 05 33 23-0251	EA		1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S).....	83.64	8.44
26 05 33 23-0252	EA		1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U).....	83.64	8.44
26 05 33 23-0253	EA		Rectangular Receptacle Cover (Wiremold #3048R).....	27.06	4.22
26 05 33 23-0254			4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0255	LF		4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10).....	20.52	6.32
			<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 05 33 23-0256	LF		Raceway Cover (Wiremold #4000C).....	6.81	0.70
26 05 33 23-0257	LF		Divider (Wiremold #4000D).....	3.46	0.70
26 05 33 23-0258	EA		Wire Clips For Conductors (Wiremold #4000WC).....	7.65	3.52
26 05 33 23-0259	EA		Couplings (Wiremold #4001A).....	20.25	4.22
26 05 33 23-0260	EA		Divider Clip (Wiremold #4001D).....	10.08	4.22
26 05 33 23-0261	EA		Seam Clip (Wiremold #4006).....	10.22	4.22
26 05 33 23-0262	EA		Single Device Fitting (Wiremold #4007C-1R).....	38.09	9.14
26 05 33 23-0263	EA		Blank End Fittings (Wiremold #4010B).....	21.05	5.62
26 05 33 23-0264	EA		Entrance End Fitting (Wiremold #4010DFO).....	80.87	21.64
26 05 33 23-0265	EA		Flat 90 Degree Elbow (Wiremold #4011).....	74.11	17.57
26 05 33 23-0266	EA		Radiused Flat 90 Degree Elbow (Wiremold #4011FO).....	86.20	17.57
26 05 33 23-0267	EA		Internal Or External 45 Degree Elbow (Wiremold #4012TX).....	81.81	21.78
26 05 33 23-0268	EA		Wall Box Connector (Wiremold #4014A).....	105.99	21.78
26 05 33 23-0269	EA		Tee Fitting (Wiremold #4015).....	116.60	21.78
26 05 33 23-0270	EA		Divided Tee Fitting (Wiremold #4015D).....	120.86	21.78
26 05 33 23-0271	EA		Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO).....	142.55	21.78
26 05 33 23-0272	EA		Radiused Tee Fitting (Wiremold #4015FO).....	142.97	21.78
26 05 33 23-0273	EA		Internal Elbow (Wiremold #4017).....	68.21	21.78
26 05 33 23-0274	EA		Internal Elbow (Wiremold #4017FO).....	114.73	21.78
26 05 33 23-0275	EA		Inverted Internal Elbow (Wiremold #4017N).....	74.60	21.78
26 05 33 23-0276	EA		Internal Corner Coupling (Wiremold #4017TCA).....	64.83	21.78
26 05 33 23-0277	EA		External Elbow (Wiremold #4018).....	97.27	21.78
26 05 33 23-0278	EA		Radiused External Elbow (Wiremold #4018FO).....	111.41	21.78
26 05 33 23-0279	EA		Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ).....	90.35	9.14
26 05 33 23-0280	EA		Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	95.58	9.14
26 05 33 23-0281	EA		Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	95.58	9.14
26 05 33 23-0282	EA		Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	126.50	9.14



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2).....	29.57	9.14
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	80.51	4.22
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	97.74	9.14
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1).....	28.48	9.14
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2).....	32.75	9.14
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050).....	31.92	7.02
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A).....	144.61	21.78
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D).....	131.21	21.78
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA).....	131.21	21.78
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A).....	115.52	41.46
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089).....	69.54	21.78
26 05 33 23-0294		4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) <small>(26 05 33 23-0157)</small>		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	28.40	7.73
		<i>For Concrete Or Masonry Surface, Add</i>	0.77	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C).....	7.94	2.10
26 05 33 23-0297	LF	Divider (Wiremold #6000DA).....	8.14	2.10
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC).....	8.51	3.52
26 05 33 23-0299	EA	Couplings (Wiremold #6001A).....	24.72	7.02
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D).....	11.25	3.52
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX).....	30.87	9.14
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006).....	29.53	9.14
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1).....	30.75	9.14
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2).....	33.23	9.14
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A).....	48.34	13.36
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B).....	55.40	21.08
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX).....	94.95	21.08
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX).....	96.00	20.24
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A).....	133.49	21.78
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX).....	99.36	23.90
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD).....	164.45	23.90
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074).....	157.74	21.08
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A).....	169.82	21.08
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086).....	120.58	48.91
26 05 33 23-0315		Two Piece Surface Aluminum Raceways <small>(26 05 33 23-0056)</small>		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0316		1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B).....	12.86	3.52
		<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C).....	6.03	0.70
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC).....	6.39	2.82
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001).....	14.70	3.52
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003).....	6.84	2.10
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006).....	8.48	2.10
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009).....	12.30	3.52
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A).....	34.63	10.54
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B).....	11.24	3.52
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011).....	39.06	9.14
26 05 33 23-0327	EA	Tee (Wiremold #AL2015).....	53.27	13.22
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017).....	34.87	7.02
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018).....	34.80	7.02
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043).....	57.85	13.92
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038).....	126.81	12.51
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044).....	58.93	12.51
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2).....	117.64	13.92
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047).....	60.86	12.51
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2).....	104.59	13.92
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H).....	47.72	13.92
26 05 33 23-0337		2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B).....	14.78	3.52
		<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C).....	6.55	0.70
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC).....	8.76	2.82
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401).....	16.95	3.52
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406).....	11.24	2.10
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409).....	9.95	2.82
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B).....	12.68	3.52
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2).....	27.93	10.54
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411).....	48.85	10.54
26 05 33 23-0347	EA	Tee (Wiremold #AL2415).....	53.03	10.40
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416).....	61.85	10.40

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0349 EA Internal Coupling (Wiremold #AL2417).....	48.68	10.40
26 05 33 23-0350 EA External Coupling (Wiremold #AL2418).....	52.22	10.40
26 05 33 23-0351 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	43.85	10.54
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)		
26 05 33 23-0353 LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B).....	23.81	6.32
<i>For Concrete Or Masonry Surface, Add</i>	0.63	
26 05 33 23-0354 LF Aluminum Raceway Cover (Wiremold #AL3300CE).....	6.47	0.70
26 05 33 23-0355 LF Raceway Divider (Wiremold #AL3300D).....	5.39	6.32
26 05 33 23-0356 EA Wire Clips For Conductors (Wiremold #AL3300WC).....	10.89	2.82
26 05 33 23-0357 EA Couplings (Wiremold #AL3301).....	20.96	2.82
26 05 33 23-0358 EA Divider Coupling (Wiremold #AL3301D).....	16.62	3.52
26 05 33 23-0359 EA Ground Clamp (Wiremold #AL3309).....	11.39	2.82
26 05 33 23-0360 EA Blank End Fittings (Wiremold #AL3310B).....	23.58	5.62
26 05 33 23-0361 EA End Fitting (Wiremold #AL3310B1).....	40.29	13.36
26 05 33 23-0362 EA Flat 90 Degree Elbow (Wiremold #AL3311).....	111.67	17.42
<i>Note: Includes two (2) AL3301 couplings.</i>		
26 05 33 23-0363 EA Tee Fitting (Wiremold #AL3315).....	128.96	21.78
<i>Note: Includes three (3) AL3301 couplings.</i>		
26 05 33 23-0364 EA Cross Fitting (Wiremold #AL3316).....	144.51	21.78
<i>Note: Includes four (4) AL3301 couplings.</i>		
26 05 33 23-0365 EA Internal Elbow (Wiremold #AL3317).....	103.25	13.36
<i>Note: Includes two (2) AL3301 couplings.</i>		
26 05 33 23-0366 EA External Elbow (Wiremold #AL3318).....	103.35	13.36
<i>Note: Includes two (2) AL3301 couplings.</i>		
26 05 33 23-0367 EA Duplex Receptacle Cover (Wiremold #AL3346D).....	23.51	4.22
26 05 33 23-0368 EA Single Receptacle Cover (Wiremold #AL3346E).....	23.37	4.22
26 05 33 23-0369 EA GFCI/Surge Receptacle Cover (Wiremold #AL3346G).....	23.14	4.22
26 05 33 23-0370 EA Single Device Cover Plate (Wiremold #AL3356R).....	22.82	3.52
26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) (26 05 33 23-0315)		
26 05 33 23-0372 LF 5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	26.65	6.32
<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 05 33 23-0373 LF Aluminum Raceway Cover (Wiremold #AL5200C).....	10.00	0.70
26 05 33 23-0374 LF Divider (Wiremold #AL5200D).....	6.01	0.70
26 05 33 23-0375 EA Wire Clips For Conductors (Wiremold #AL5200WC).....	8.72	3.52
26 05 33 23-0376 EA Wire Clips For Conductors (Wiremold #AL5200WC2).....	7.56	3.52
26 05 33 23-0377 EA Wire Clips For Conductors (Wiremold #AL5200WC3).....	7.52	3.52
26 05 33 23-0378 EA Couplings (Wiremold #AL5201).....	18.59	4.22
26 05 33 23-0379 EA Cover Clip (Wiremold #AL5206).....	15.50	4.22
26 05 33 23-0380 EA Ground Adapter (Wiremold #AL5209).....	20.05	4.22
26 05 33 23-0381 EA Blank End Fittings (Wiremold #AL5210B).....	20.42	5.62
26 05 33 23-0382 EA Blank End Fittings (Wiremold #AL5210B1).....	21.63	5.62
26 05 33 23-0383 EA Blank End Fittings (Wiremold #AL5210B2).....	21.89	5.62
26 05 33 23-0384 EA Blank End Fittings (Wiremold #AL5210B3).....	21.35	5.62
26 05 33 23-0385 EA Flat 90 Degree Elbow (Wiremold #AL5211).....	103.24	17.57
<i>Note: Includes two (2) pairs of AL5201 couplings.</i>		
26 05 33 23-0386 EA Wall Box Connector (Wiremold #AL5214).....	86.79	21.78
26 05 33 23-0387 EA Tee Fitting (Wiremold #AL5215).....	121.66	21.78
<i>Note: Includes three (3) pairs of AL5201 couplings.</i>		
26 05 33 23-0388 EA Four Way Fitting (Wiremold #AL5216).....	131.98	21.78
<i>Note: Includes four (4) pairs of AL5201 couplings.</i>		
26 05 33 23-0389 EA Internal Elbow (Wiremold #AL5217).....	109.66	21.78
<i>Note: Includes two (2) pairs of AL5201 couplings.</i>		
26 05 33 23-0390 EA Internal Corner Coupling (Wiremold #AL5217A).....	55.32	21.78
26 05 33 23-0391 EA Inverted Internal Elbow (Wiremold #AL5217N).....	112.28	21.78
26 05 33 23-0392 EA External Elbow (Wiremold #AL5218).....	110.47	21.78
<i>Note: Includes two (2) pairs of AL5201 couplings.</i>		
26 05 33 23-0393 EA Blank Device Cover Plate (Wiremold #AL5246B).....	23.37	4.22
26 05 33 23-0394 EA Receptacle Device Cover Plate (Wiremold #AL5246D).....	27.15	4.22
26 05 33 23-0395 EA Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	31.67	4.22
26 05 33 23-0396 EA Device Cover Plate (Wiremold #AL5246F).....	29.88	4.22
26 05 33 23-0397 EA Device Cover Plate (Wiremold #AL5246G).....	27.82	4.22
26 05 33 23-0398 EA Offset Divider (Wiremold #AL5260).....	28.23	9.14
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) (26 05 33 23-0315)		
26 05 33 23-0400 LF Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	24.25	6.32
26 05 33 23-0401 EA Cover Clip (Wiremold #ALA3806).....	12.27	4.22
26 05 33 23-0402 EA Blank End Fittings (Wiremold #ALA3810B).....	20.27	5.62
26 05 33 23-0403 EA Entrance End Cap Fittings (Wiremold #ALA3810B1).....	21.49	5.62
26 05 33 23-0404 EA Flat 90 Degree Elbow (Wiremold #ALA3811).....	102.29	17.57
<i>Note: Includes two (2) ALA01 couplings.</i>		
26 05 33 23-0405 EA Flat Tee Fitting (Wiremold #ALA3815).....	108.08	21.78
<i>Note: Includes three (3) ALA01 couplings.</i>		
26 05 33 23-0406 EA Internal Elbow (Wiremold #ALA3817).....	105.77	21.78
<i>Note: Includes two (2) ALA01 couplings.</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0407 EA Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	121.81	21.78
26 05 33 23-0408 EA External Elbow (Wiremold #ALA3818)..... Note: Includes two (2) ALA01 couplings.	106.96	21.78
26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410 LF Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	33.69	6.32
26 05 33 23-0411 EA Cover Clip (Wiremold #ALA4806).....	15.57	4.22
26 05 33 23-0412 EA Blank End Fittings (Wiremold #ALA4810B).....	20.46	5.62
26 05 33 23-0413 EA Entrance End Cap Fittings (Wiremold #ALA4810B2).....	22.28	5.62
26 05 33 23-0414 EA Flat 90 Degree Elbow (Wiremold #ALA4811)..... Note: Includes four (4) ALA01 couplings.	118.44	17.57
26 05 33 23-0415 EA Flat Tee Fitting (Wiremold #ALA4815)..... Note: Includes six (6) ALA01 couplings.	160.34	21.78
26 05 33 23-0416 EA Internal Elbow (Wiremold #ALA4817)..... Note: Includes four (4) ALA01 couplings.	113.78	21.78
26 05 33 23-0417 EA Inverted Internal Elbow (Wiremold #ALA4817N)..... Note: Includes four (4) ALA01 couplings.	130.94	21.78
26 05 33 23-0418 EA External Elbow (Wiremold #ALA4818)..... Note: Includes four (4) ALA01 couplings.	118.61	21.78
26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small> See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420 LF 3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	7.22	0.70
26 05 33 23-0421 EA Wire Clips (Wiremold #ALAWC).....	7.16	3.52
26 05 33 23-0422 EA Slide Couplings (Wiremold #ALA01).....	18.75	4.22
26 05 33 23-0423 EA Grounding Adapter (Wiremold #ALA09).....	16.73	4.22
26 05 33 23-0424 EA Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	45.81	17.57
26 05 33 23-0425 EA Internal Corner Coupling (Wiremold #ALA17A).....	55.29	21.78
26 05 33 23-0426 EA Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	49.43	17.57
26 05 33 23-0427 EA Blank Cover Plate (Wiremold #ALA-BL).....	18.20	4.22
26 05 33 23-0428 EA Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	19.19	4.22
26 05 33 23-0429 EA Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	19.84	4.22
26 05 33 23-0430 EA Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	26.55	4.22
26 05 33 23-0431 EA GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	19.32	4.22
26 05 33 23-0432 EA Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	19.86	4.22
26 05 33 23-0433 EA Toggle Switch Cover Plate (Wiremold #ALA-N).....	20.28	4.22
26 05 33 23-0434 EA Active LPB Cover Plate (Wiremold #ALA-LPB).....	25.09	4.22
26 05 33 23-0435 EA Active MAB Cover Plate (Wiremold #ALA-MAB).....	23.78	4.22
26 05 33 23-0436 EA Ortronics Cover Plate (Wiremold #ALA-MABRT).....	26.91	4.22
26 05 33 23-0437 EA 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	25.39	4.22
26 05 33 23-0438 EA Active 2A Cover Plate (Wiremold #ALA-2A).....	26.11	4.22
26 05 33 23-0439 EA Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	24.17	4.22
26 05 33 23-0440 EA 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	20.24	4.22
26 05 33 23-0441 EA Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	24.35	4.22
26 05 33 23-0442 Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface.		
26 05 33 23-0443 One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small> Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444 7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445 LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	8.24 0.28	2.82
26 05 33 23-0446 EA Wire Clip (Wiremold #400WC).....	6.17	2.82
26 05 33 23-0447 EA Cover Clip (Wiremold #406).....	6.53	2.82
26 05 33 23-0448 EA Blank End Clip (Wiremold #410B).....	12.53	5.62
26 05 33 23-0449 EA Flat 90 Degree Elbow (Wiremold #411).....	14.72	5.62
26 05 33 23-0450 EA Tee (Wiremold #415).....	18.53	7.02
26 05 33 23-0451 EA Internal Elbow (Wiremold #417).....	14.44	5.62
26 05 33 23-0452 EA External Elbow (Wiremold #418).....	14.44	5.62
26 05 33 23-0453 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454 LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	8.61 0.28	2.82
26 05 33 23-0455 EA Wire Clip (Wiremold #800WC).....	6.12	2.82
26 05 33 23-0456 EA Cover Clip (Wiremold #806).....	6.23	2.82
26 05 33 23-0457 EA Entrance End Fitting (Wiremold #810A2).....	17.89	5.62
26 05 33 23-0458 EA Blank End Fitting (Wiremold #810B).....	12.32	5.62
26 05 33 23-0459 EA Flat 90 Degree Elbow (Wiremold #811).....	13.93	5.62
26 05 33 23-0460 EA Tee (Wiremold #815).....	17.49	7.02
26 05 33 23-0461 EA Internal Elbow (Wiremold #817).....	13.69	5.62
26 05 33 23-0462 EA External Elbow (Wiremold #818).....	13.69	5.62

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A).....	15.21	5.62
26 05 33	23-0464		2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) <small>(26 05 33 23-0443)</small>		
26 05 33	23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC).....	9.80	2.82
			<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33	23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD).....	10.37	2.82
			<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33	23-0467	EA	Wire Clip (Wiremold #2300WC).....	6.37	2.82
26 05 33	23-0468	EA	Cover Clip (Wiremold #2306).....	6.66	2.82
26 05 33	23-0469	EA	Entrance End Fitting (Wiremold #2310A).....	19.31	5.62
26 05 33	23-0470	EA	Blank End Fitting (Wiremold #2310B).....	12.88	5.62
26 05 33	23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO).....	21.50	5.62
26 05 33	23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311).....	14.17	5.62
26 05 33	23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO).....	15.10	5.62
26 05 33	23-0474	EA	Tee (Wiremold #2315).....	17.64	7.02
26 05 33	23-0475	EA	Internal Elbow (Wiremold #2317).....	14.17	5.62
26 05 33	23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO).....	15.11	5.62
26 05 33	23-0477	EA	External Elbow (Wiremold #2318).....	14.20	5.62
26 05 33	23-0478	EA	Divided External Elbow (Wiremold #2318DFO).....	15.28	5.62
26 05 33	23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389).....	15.29	5.62
26 05 33	23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A).....	15.89	5.62
26 05 33	23-0481		One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) <small>(26 05 33 23-0443)</small>		
26 05 33	23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	16.61	4.92
26 05 33	23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A).....	26.48	5.62
26 05 33	23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	26.62	5.62
26 05 33	23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	24.19	5.62
26 05 33	23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	27.76	5.62
26 05 33	23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	26.21	5.62
26 05 33	23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	28.32	5.62
26 05 33	23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	25.25	9.14
26 05 33	23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2).....	28.39	9.14
26 05 33	23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	26.17	9.14
26 05 33	23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2).....	30.90	9.14
26 05 33	23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	36.40	9.14
26 05 33	23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP).....	34.65	9.14
26 05 33	23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	31.65	9.14
26 05 33	23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51).....	24.78	9.14
26 05 33	23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) <small>(26 05 33 23-0443)</small>		
26 05 33	23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700).....	7.34	2.82
			<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33	23-0499	EA	3/4" Wire Clip (Wiremold #2700WC).....	3.19	1.40
26 05 33	23-0500	EA	Cover Clip (Wiremold #2706).....	4.65	1.40
26 05 33	23-0501	EA	Blank End (Wiremold #2710B).....	7.43	2.82
26 05 33	23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711).....	8.88	3.52
26 05 33	23-0503	EA	Tee (Wiremold #2715).....	14.52	6.32
26 05 33	23-0504	EA	Internal Elbow (Wiremold #2717).....	10.30	4.22
26 05 33	23-0505	EA	External Elbow (Wiremold #2718).....	10.28	4.22
26 05 33	23-0506	EA	Drop Ceiling Connector (Wiremold #2786).....	12.13	4.92
26 05 33	23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) <small>(26 05 33 23-0443)</small>		
26 05 33	23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	9.25	3.52
			<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33	23-0509	EA	1" Wire Clip (Wiremold #2800WC).....	4.70	2.10
26 05 33	23-0510	EA	Cover Clip (Wiremold #2806).....	6.02	2.10
26 05 33	23-0511	EA	Blank End (Wiremold #2810B).....	8.82	3.52
26 05 33	23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811).....	11.73	4.92
26 05 33	23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	12.38	4.92
26 05 33	23-0514	EA	Tee (Wiremold #2815).....	17.35	7.73
26 05 33	23-0515	EA	Internal Elbow (Wiremold #2817).....	13.10	5.62
26 05 33	23-0516	EA	External Elbow (Wiremold #2818).....	13.13	5.62
26 05 33	23-0517	EA	Radiused Tee (Wiremold #2815FO).....	18.22	7.73
26 05 33	23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO).....	13.89	5.62
26 05 33	23-0519	EA	Radiused External Elbow (Wiremold #2818FO).....	13.78	5.62
26 05 33	23-0520	EA	Drop Ceiling Connector (Wiremold #2886).....	14.78	6.32
26 05 33	23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889).....	13.28	5.62
26 05 33	23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) <small>(26 05 33 23-0443)</small>		
26 05 33	23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	11.22	4.22
			<i>For Concrete Or Masonry Surface, Add</i>	0.42	
26 05 33	23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC).....	6.21	2.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0525 EA Cover Clip (Wiremold #2906).....	7.55	2.82
26 05 33 23-0526 EA Blank End (Wiremold #2910B).....	10.37	4.22
26 05 33 23-0527 EA Flat 90 Degree Elbow (Wiremold #2911).....	13.18	5.62
26 05 33 23-0528 EA Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	14.20	5.62
26 05 33 23-0529 EA Tee (Wiremold #2915).....	18.80	8.44
26 05 33 23-0530 EA Radiused Tee (Wiremold #2915FO).....	19.85	8.44
26 05 33 23-0531 EA Radiused External Elbow (Wiremold #2918FO).....	15.95	6.32
26 05 33 23-0532 EA Internal Elbow (Wiremold #2917).....	14.59	6.32
26 05 33 23-0533 EA Radiused Internal Elbow (Wiremold #2917FO).....	15.66	6.32
26 05 33 23-0534 EA External Elbow (Wiremold #2918).....	14.58	6.32
26 05 33 23-0535 EA Drop Ceiling Connector (Wiremold #2986).....	14.76	6.32
26 05 33 23-0536 EA Reducer, #2900 To #2800 (Wiremold #2989).....	16.41	7.02
26 05 33 23-0537 EA Reducer, #2900 To #2700 (Wiremold #2989A).....	16.06	7.02
26 05 33 23-0538	Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small>	
	Note: Exposed on flat wall surface. (Wiremold or approved equal).	
26 05 33 23-0539	5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) <small>(26 05 33 23-0539)</small>	
26 05 33 23-0540 LF 5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	17.67	6.32
	<i>For Concrete Or Masonry Surface, Add</i>	0.63
26 05 33 23-0541 LF Black, Gray Or White, Cover (Wiremold #5000C).....	16.90	6.32
26 05 33 23-0542 LF Oak Veneer, Cover (Wiremold #5000COA).....	29.92	6.32
26 05 33 23-0543 LF Maple Wood Veneer, Cover (Wiremold #5000CW).....	24.77	6.32
26 05 33 23-0544 LF Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	2.32	0.70
26 05 33 23-0545 LF Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	8.85	0.70
26 05 33 23-0546 LF Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	5.58	0.70
26 05 33 23-0547 EA Base Coupling (Wiremold #5001).....	16.70	7.02
26 05 33 23-0548 EA Blank/Coax Adapter (Wiremold #5004).....	9.21	3.52
26 05 33 23-0549 EA Low Voltage Blank Plate (Wiremold #5005).....	12.16	4.22
26 05 33 23-0550 EA Cover Clip (Wiremold #5006).....	17.79	7.02
26 05 33 23-0551 EA Internal Wire Guard (Wiremold #5006A).....	16.80	7.02
26 05 33 23-0552 EA Device Bracket (Wiremold #5007C).....	18.84	7.02
26 05 33 23-0553 EA Device Plate (Wiremold #5007C-1).....	34.57	14.06
26 05 33 23-0554 EA Deep Device Plate (Wiremold #5007C-2).....	35.62	14.06
26 05 33 23-0555 EA Right Or Left End Cap (Wiremold #5010).....	30.53	13.36
26 05 33 23-0556 EA Entrance End Feed (Wiremold #5010A).....	57.71	21.78
26 05 33 23-0557 EA Internal Base Elbow (Wiremold #5017B).....	40.93	17.57
26 05 33 23-0558 EA Internal Cover Elbow (Wiremold #5017C).....	36.32	14.06
26 05 33 23-0559 EA Internal Elbow Wire Guard (Wiremold #5017WG).....	25.19	10.54
26 05 33 23-0560 EA External Base Elbow (Wiremold #5018B).....	40.86	17.57
26 05 33 23-0561 EA External Cover Elbow (Wiremold #5018C).....	36.60	14.06
26 05 33 23-0562 EA External Elbow Wire Guard (Wiremold #5018WG).....	16.52	7.02
26 05 33 23-0563	5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) <small>(26 05 33 23-0538)</small>	
26 05 33 23-0564 LF 5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	18.71	6.32
	<i>For Concrete Or Masonry Surface, Add</i>	0.63
26 05 33 23-0565 LF Full Width Cover (Wiremold #5400C).....	5.84	0.70
26 05 33 23-0566 LF Twin Snap Cover (Wiremold #5400TC).....	3.87	0.70
26 05 33 23-0567 EA Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	7.67	3.52
26 05 33 23-0568 EA Cover Clip (Wiremold #5406A).....	12.20	4.22
26 05 33 23-0569 EA Twin Cover Clip (Wiremold #5406T).....	10.57	4.22
26 05 33 23-0570 EA Base Seam Clip (Wiremold #5406TB).....	9.65	4.22
26 05 33 23-0571 EA L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	68.55	21.78
26 05 33 23-0572 EA End Cap (Wiremold #5410).....	34.76	13.36
26 05 33 23-0573 EA Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	66.13	21.78
26 05 33 23-0574 EA Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	59.37	17.57
26 05 33 23-0575 EA Tee Fitting (Wiremold #5415).....	69.13	21.78
26 05 33 23-0576 EA Radiused Tee Fitting (Wiremold #5415FO).....	71.94	21.78
26 05 33 23-0577 EA Radiused Internal Elbow (Wiremold #5417FO).....	58.82	21.78
26 05 33 23-0578 EA External Elbow (Wiremold #5418).....	59.52	21.78
26 05 33 23-0579 EA Radiused External Elbow (Wiremold #5418FO).....	60.17	21.78
26 05 33 23-0580 EA 5-5/32" x 6" Device Bracket (Wiremold #5450).....	26.96	7.02
26 05 33 23-0581 EA 7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	34.63	7.02
26 05 33 23-0582 EA 2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	21.29	7.02
26 05 33 23-0583 EA Transition Fitting (Wiremold #5474).....	61.49	21.78
26 05 33 23-0584	6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) <small>(26 05 33 23-0538)</small>	
26 05 33 23-0585 LF 6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	22.64	6.32
	<i>For Concrete Or Masonry Surface, Add</i>	0.63
26 05 33 23-0586 LF Cover (Wiremold #5500C).....	7.53	0.70
26 05 33 23-0587 EA Wire Clips (Wiremold #5500WC).....	8.68	3.52
26 05 33 23-0588 EA Cover Clip (Wiremold #5506).....	13.45	4.22
26 05 33 23-0589 EA Base Seam Clip Fitting (Wiremold #5506B).....	10.07	4.22
26 05 33 23-0590 EA Modular Furniture Adapter (Wiremold #5507AD).....	12.67	4.22

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0591 EA Blank Faceplate (Wiremold #5507B)	12.71	4.22
26 05 33 23-0592 EA Duplex Receptacle Faceplate (Wiremold #5507D)	12.77	4.22
26 05 33 23-0593 EA Dual RJ Connector Faceplate (Wiremold #5507FRJ)	12.77	4.22
26 05 33 23-0594 EA Rectangular Receptacle Faceplate (Wiremold #5507R)	12.65	4.22
26 05 33 23-0595 EA Dual RJ Connector Faceplate (Wiremold #5507RJ)	12.68	4.22
26 05 33 23-0596 EA Rectangular Spacer Fitting (Wiremold #5507S)	12.60	4.22
26 05 33 23-0597 EA Switch Faceplate (Wiremold #5507SW)	12.63	4.22
26 05 33 23-0598 EA Twistlock Faceplate (Wiremold #5507T1)	12.71	4.22
26 05 33 23-0599 EA Single Receptacle Faceplate (Wiremold #5507T2)	12.48	4.22
26 05 33 23-0600 EA 6-5/8" x 6" Device Bracket (Wiremold #5550)	31.50	7.02
26 05 33 23-0601 EA 9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	41.32	7.02
26 05 33 23-0602 EA End Cap (Wiremold #5510)	37.16	13.36
26 05 33 23-0603 EA Entrance End Fitting (Wiremold #5510D)	73.80	21.78
26 05 33 23-0604 EA Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	66.41	17.57
26 05 33 23-0605 EA Backfeed Connector (Wiremold #5514A)	54.82	17.57
26 05 33 23-0606 EA Tee Fitting (Wiremold #5515)	77.13	21.78
26 05 33 23-0607 EA Radiused Internal Elbow (Wiremold #5517FO)	63.71	21.78
26 05 33 23-0608 EA External Elbow (Wiremold #5518)	65.05	21.78
26 05 33 23-0609 EA Radiused External Elbow (Wiremold #5518FO)	67.88	21.78
26 05 33 23-0610 EA Transition Fitting (Wiremold #5574)	62.35	21.78
26 05 33 23-0611 EA Transition Fitting (Wiremold #5574A)	80.70	21.78
26 05 33 23-0612 Surface Cable Protection System (26 05 33 23)		
26 05 33 23-0613 EA 35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3)	626.44	
Note: Modular interlocking design with hinged lid.		
26 05 33 23-0614 EA 35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5)	473.46	
Note: Modular interlocking design with hinged lid.		
26 05 36 Cable Trays for Electrical Systems (26 05)		
26 05 36 00-0001 Cable Trays (26 05 36)		
Note: Excludes supporting hangers.		
26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0001)		
26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0002)		
26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0005 LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.17	14.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.38	
26 05 36 00-0006 LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.82	15.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.67	
26 05 36 00-0007 LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	54.42	17.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.01	
26 05 36 00-0008 LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	60.24	18.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.52	
26 05 36 00-0009 LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	65.74	18.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.02	
26 05 36 00-0010 LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	79.70	21.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.17	
26 05 36 00-0011 LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	89.58	24.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.90	
26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0013 LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.74	14.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.16	
26 05 36 00-0014 LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.23	15.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.44	
26 05 36 00-0015 LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.51	16.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.65	
26 05 36 00-0016 LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	55.11	17.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.04	
26 05 36 00-0017 LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	59.17	18.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.40	
26 05 36 00-0018 LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	69.41	21.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.19	
26 05 36 00-0019 LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	75.89	23.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.66	
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0021 LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.24	14.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0022 LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	43.53	14.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.12	
26 05 36 00-0023 LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	47.74	15.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.47	
26 05 36 00-0024 LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	52.08	16.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.83	
26 05 36 00-0025 LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	56.12	16.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.20	
26 05 36 00-0026 LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	61.14	18.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.58	
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	65.75	19.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.91	
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	40.93	13.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.95	
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	41.78	13.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.01	
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	44.22	14.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.19	
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	46.80	15.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.39	
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	48.55	15.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.56	
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	53.50	16.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.96	
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	56.33	17.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.17	
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	40.35	13.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.92	
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	41.06	13.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.96	
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	43.50	14.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.15	
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	45.66	15.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.31	
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	46.36	15.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.37	
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	49.33	16.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.57	
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	51.50	17.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.72	
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	373.46	154.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.49	
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	418.52	175.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.21	
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	460.41	194.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.86	
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.22	238.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.58	
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	655.17	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.74	
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.09	307.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.87	
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	892.73	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.97	
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.62	160.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.39	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.98	184.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.13	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	598.65	205.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.77	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.59	254.72
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.94	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.85	295.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.37	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	882.28	335.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.28	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,031.70	388.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.80	
26 05 36 00-0061		36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.52	167.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.58	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.25	194.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.25	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	655.87	217.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.48	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	791.89	273.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.41	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.36	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.69	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,058.70	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.11	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,206.91	433.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.55	
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.84	111.83
		<i>For 60 Degree Bend, Deduct</i>	-48.51	
		<i>For 30 Degree Bend, Deduct</i>	-87.05	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.37	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.68	134.13
		<i>For 60 Degree Bend, Deduct</i>	-53.44	
		<i>For 30 Degree Bend, Deduct</i>	-96.52	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.60	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.29	153.82
		<i>For 60 Degree Bend, Deduct</i>	-57.95	
		<i>For 30 Degree Bend, Deduct</i>	-105.13	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.61	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.45	194.43
		<i>For 60 Degree Bend, Deduct</i>	-66.54	
		<i>For 30 Degree Bend, Deduct</i>	-121.70	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.55	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.88	238.12
		<i>For 60 Degree Bend, Deduct</i>	-83.58	
		<i>For 30 Degree Bend, Deduct</i>	-152.54	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.15	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.61	273.34
		<i>For 60 Degree Bend, Deduct</i>	-101.66	
		<i>For 30 Degree Bend, Deduct</i>	-184.62	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.78	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	712.21	320.87
		<i>For 60 Degree Bend, Deduct</i>	-112.02	
		<i>For 30 Degree Bend, Deduct</i>	-204.52	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--	-------	-----	-----	-------------	------------------------	----------------------

26 05 36 00-0077				24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0078	EA			6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.74	115.36
				<i>For 60 Degree Bend, Deduct</i>	-57.02	
				<i>For 30 Degree Bend, Deduct</i>	-101.44	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.06	
26 05 36 00-0079	EA			9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.73	139.05
				<i>For 60 Degree Bend, Deduct</i>	-63.42	
				<i>For 30 Degree Bend, Deduct</i>	-113.43	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.78	
26 05 36 00-0080	EA			12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.33	160.59
				<i>For 60 Degree Bend, Deduct</i>	-71.88	
				<i>For 30 Degree Bend, Deduct</i>	-128.72	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.05	
26 05 36 00-0081	EA			18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.25	205.05
				<i>For 60 Degree Bend, Deduct</i>	-80.52	
				<i>For 30 Degree Bend, Deduct</i>	-145.60	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.13	
26 05 36 00-0082	EA			24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.43	254.72
				<i>For 60 Degree Bend, Deduct</i>	-98.54	
				<i>For 30 Degree Bend, Deduct</i>	-178.38	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.22	
26 05 36 00-0083	EA			30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	695.63	295.50
				<i>For 60 Degree Bend, Deduct</i>	-116.31	
				<i>For 30 Degree Bend, Deduct</i>	-210.26	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.94	
26 05 36 00-0084	EA			36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	819.01	351.79
				<i>For 60 Degree Bend, Deduct</i>	-135.45	
				<i>For 30 Degree Bend, Deduct</i>	-245.28	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.59	
26 05 36 00-0085				36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0086	EA			6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	362.77	119.06
				<i>For 60 Degree Bend, Deduct</i>	-74.10	
				<i>For 30 Degree Bend, Deduct</i>	-130.11	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.36	
26 05 36 00-0087	EA			9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.62	144.59
				<i>For 60 Degree Bend, Deduct</i>	-81.41	
				<i>For 30 Degree Bend, Deduct</i>	-143.71	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.41	
26 05 36 00-0088	EA			12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.05	167.82
				<i>For 60 Degree Bend, Deduct</i>	-86.50	
				<i>For 30 Degree Bend, Deduct</i>	-153.49	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.72	
26 05 36 00-0089	EA			18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.25	217.20
				<i>For 60 Degree Bend, Deduct</i>	-99.62	
				<i>For 30 Degree Bend, Deduct</i>	-178.10	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.32	
26 05 36 00-0090	EA			24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.87	273.34
				<i>For 60 Degree Bend, Deduct</i>	-112.63	
				<i>For 30 Degree Bend, Deduct</i>	-202.91	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.11	
26 05 36 00-0091	EA			30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	797.20	320.87
				<i>For 60 Degree Bend, Deduct</i>	-140.06	
				<i>For 30 Degree Bend, Deduct</i>	-251.27	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.98	
26 05 36 00-0092	EA			36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	939.32	388.40
				<i>For 60 Degree Bend, Deduct</i>	-161.07	
				<i>For 30 Degree Bend, Deduct</i>	-290.04	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.56	
26 05 36 00-0093				12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.89	153.82
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.17	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.70	175.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.33	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.46	194.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.36	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.22	238.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.68	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	620.59	273.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.28	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	690.89	307.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.45	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	770.08	351.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.74	
26 05 36 00-0101		24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.34	160.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.66	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.50	184.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.17	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.93	205.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.70	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	652.10	254.72
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.99	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.59	295.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.54	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	811.34	335.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.19	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	931.14	388.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.74	
26 05 36 00-0109		36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	553.31	167.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.36	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.43	194.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.56	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	649.14	217.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.81	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	765.76	273.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.79	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	848.27	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.09	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	971.60	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.40	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,102.26	433.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.08	
26 05 36 00-0117		12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.28	295.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.61	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	781.89	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0120 EA 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.72	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.02	
26 05 36 00-0121 EA 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	913.80	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.62	
26 05 36 00-0122 EA 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,033.03	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.15	
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,142.81	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.07	
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,293.45	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.35	
26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.12	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.77	
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	963.65	351.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.05	
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,006.44	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.88	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,105.08	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.36	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,228.90	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.43	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,320.90	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.09	
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,588.81	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.52	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.92	351.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.18	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,206.69	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.30	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,280.08	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.86	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,410.75	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.62	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,601.97	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.30	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,736.36	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.28	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,965.41	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.65	
26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.79	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.90	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	868.18	284.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.14	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	890.41	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.42	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	939.73	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.23	
26 05 36 00-0146 EA 24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.70	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.12	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,054.48	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.68	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,139.40	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.79	
26 05 36 00-0149		24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,199.23	295.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.30	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.86	307.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.35	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,262.26	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.48	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,334.22	351.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.11	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,383.88	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.62	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,472.23	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.07	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,592.61	461.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.81	
26 05 36 00-0157		36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,855.87	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.85	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,897.14	335.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.77	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,941.55	351.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-164.84	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,019.90	388.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-169.62	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,072.69	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.12	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,210.23	461.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-182.57	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,336.26	526.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-189.73	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	900.07	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.24	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	945.92	388.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.22	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,009.01	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.75	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,081.05	434.55
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.90	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,217.96	491.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.80	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,354.92	526.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.59	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,479.01	568.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0173			24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174	EA		6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,235.47	409.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.40	
26 05 36 00-0175	EA		9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,293.79	434.55
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.17	
26 05 36 00-0176	EA		12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,355.85	461.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.13	
26 05 36 00-0177	EA		18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,444.43	491.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.45	
26 05 36 00-0178	EA		24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,612.83	568.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.92	
26 05 36 00-0179	EA		30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,735.75	615.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.30	
26 05 36 00-0180	EA		36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,941.39	670.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.24	
26 05 36 00-0181			36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182	EA		6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,541.14	461.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.66	
26 05 36 00-0183	EA		9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,626.28	491.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.63	
26 05 36 00-0184	EA		12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,718.64	526.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.97	
26 05 36 00-0185	EA		18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,873.61	568.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.00	
26 05 36 00-0186	EA		24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,147.26	670.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.83	
26 05 36 00-0187	EA		30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,343.76	737.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-172.95	
26 05 36 00-0188	EA		36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,569.46	821.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-188.52	
26 05 36 00-0189			12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190	EA		6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.23	369.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.06	
26 05 36 00-0191	EA		9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,080.47	388.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.67	
26 05 36 00-0192	EA		12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,155.57	409.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.41	
26 05 36 00-0193	EA		18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,241.91	434.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.97	
26 05 36 00-0194	EA		24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,397.08	491.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.71	
26 05 36 00-0195	EA		30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,569.95	526.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.08	
26 05 36 00-0196	EA		36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,717.18	567.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.42	
26 05 36 00-0197			24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198	EA		6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,484.06	409.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.25	

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,550.10	434.55
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.80	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,619.89	461.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.53	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,725.45	491.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.55	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,912.38	568.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.88	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,055.37	615.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.26	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,311.96	670.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-175.30	
26 05 36 00-0205		36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,888.55	461.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-150.40	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,989.14	491.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.92	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,096.93	526.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-165.79	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,290.50	568.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-181.69	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,610.48	670.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-205.15	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,845.57	737.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-223.13	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	3,109.88	821.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-242.56	
26 05 36 00-0213		6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214		12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	356.83	154.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.83	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	400.57	175.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.41	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	440.88	194.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.90	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	548.88	238.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.05	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	626.66	273.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.88	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	737.61	307.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.12	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	848.92	351.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.59	
26 05 36 00-0222		24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	473.30	160.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.96	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	519.61	184.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	561.96	205.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.10	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.00	254.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.98	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	747.36	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.12	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	836.09	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.66	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	976.80	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.31	
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.52	167.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.78	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.14	194.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.24	
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.90	217.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.29	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	743.85	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.60	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.57	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.42	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	995.36	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.77	
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,137.76	433.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.63	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.91	111.83
<i>For 60 Degree Bend, Deduct</i>	-44.24	
<i>For 30 Degree Bend, Deduct</i>	-79.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.08	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.22	134.13
<i>For 60 Degree Bend, Deduct</i>	-49.00	
<i>For 30 Degree Bend, Deduct</i>	-89.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.25	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.30	153.82
<i>For 60 Degree Bend, Deduct</i>	-53.33	
<i>For 30 Degree Bend, Deduct</i>	-97.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.21	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.66	194.43
<i>For 60 Degree Bend, Deduct</i>	-61.66	
<i>For 30 Degree Bend, Deduct</i>	-113.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.07	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.87	238.12
<i>For 60 Degree Bend, Deduct</i>	-77.31	
<i>For 30 Degree Bend, Deduct</i>	-142.08	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.24	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	601.33	273.34
<i>For 60 Degree Bend, Deduct</i>	-93.64	
<i>For 30 Degree Bend, Deduct</i>	-171.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.35	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	686.87	320.87
<i>For 60 Degree Bend, Deduct</i>	-103.65	
<i>For 30 Degree Bend, Deduct</i>	-190.58	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.95	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.38	115.36
		<i>For 60 Degree Bend, Deduct</i>	-51.62	
		<i>For 30 Degree Bend, Deduct</i>	-92.44	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.43	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.31	139.05
		<i>For 60 Degree Bend, Deduct</i>	-57.67	
		<i>For 30 Degree Bend, Deduct</i>	-103.84	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.04	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.80	160.59
		<i>For 60 Degree Bend, Deduct</i>	-65.43	
		<i>For 30 Degree Bend, Deduct</i>	-117.98	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.10	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.19	205.05
		<i>For 60 Degree Bend, Deduct</i>	-73.90	
		<i>For 30 Degree Bend, Deduct</i>	-134.56	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.13	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.15	254.72
		<i>For 60 Degree Bend, Deduct</i>	-90.53	
		<i>For 30 Degree Bend, Deduct</i>	-165.03	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.79	
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	666.59	295.50
		<i>For 60 Degree Bend, Deduct</i>	-106.73	
		<i>For 30 Degree Bend, Deduct</i>	-194.29	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.04	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.75	351.79
		<i>For 60 Degree Bend, Deduct</i>	-124.47	
		<i>For 30 Degree Bend, Deduct</i>	-226.99	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.26	
26 05 36 00-0254		36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.27	119.06
		<i>For 60 Degree Bend, Deduct</i>	-66.34	
		<i>For 30 Degree Bend, Deduct</i>	-117.18	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.01	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.81	144.59
		<i>For 60 Degree Bend, Deduct</i>	-73.22	
		<i>For 30 Degree Bend, Deduct</i>	-130.06	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.93	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.71	167.82
		<i>For 60 Degree Bend, Deduct</i>	-78.14	
		<i>For 30 Degree Bend, Deduct</i>	-139.55	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.19	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.80	217.20
		<i>For 60 Degree Bend, Deduct</i>	-90.56	
		<i>For 30 Degree Bend, Deduct</i>	-163.01	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.58	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.83	273.34
		<i>For 60 Degree Bend, Deduct</i>	-103.05	
		<i>For 30 Degree Bend, Deduct</i>	-186.94	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.20	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	759.72	320.87
		<i>For 60 Degree Bend, Deduct</i>	-127.69	
		<i>For 30 Degree Bend, Deduct</i>	-230.65	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.23	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	897.62	388.40
		<i>For 60 Degree Bend, Deduct</i>	-147.31	
		<i>For 30 Degree Bend, Deduct</i>	-267.10	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.39	
26 05 36 00-0262		12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.41	153.82
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.02	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.95	175.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0265 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.32	194.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.15	
26 05 36 00-0266 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.55	238.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.41	
26 05 36 00-0267 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.40	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.96	
26 05 36 00-0268 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.64	307.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.03	
26 05 36 00-0269 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.30	351.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.26	
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.10	160.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.04	
26 05 36 00-0272 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.88	184.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.51	
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.64	205.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.97	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.89	254.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.17	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	712.45	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.63	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	791.15	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.17	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	908.44	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.47	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.40	167.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.17	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.73	194.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.29	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	626.17	217.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.51	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.95	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.31	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	823.20	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.58	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.10	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.55	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,071.90	433.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.05	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287 EA 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	704.60	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.84	
26 05 36 00-0288 EA 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	762.89	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.55	
26 05 36 00-0289 EA 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.67	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.02	
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	890.84	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.32	
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,006.10	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,110.61	434.55
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.85	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,257.03	491.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.71	
26 05 36 00-0294		24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	867.41	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.00	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	934.61	351.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.15	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	976.35	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.87	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,072.62	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.11	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,193.53	461.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.90	
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,282.37	491.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.24	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,539.46	568.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.59	
26 05 36 00-0302		36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,083.48	351.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.04	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,163.67	388.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.00	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,234.15	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.26	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,361.40	461.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.68	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,546.28	526.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.73	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,675.65	568.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.21	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,900.21	670.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.13	
26 05 36 00-0310		12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	816.70	273.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.89	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	837.83	284.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.10	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	859.80	295.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.36	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.58	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.12	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	939.03	335.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.96	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,020.69	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.31	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,104.29	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0318				24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319	EA			6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,144.85	295.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.87	
26 05 36 00-0320	EA			9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,174.70	307.65
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.83	
26 05 36 00-0321	EA			12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,206.31	320.87
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.89	
26 05 36 00-0322	EA			18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,276.68	351.79
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.36	
26 05 36 00-0323	EA			24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,324.76	369.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.71	
26 05 36 00-0324	EA			30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,411.52	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.00	
26 05 36 00-0325	EA			36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,529.26	461.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.47	
26 05 36 00-0326				36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327	EA			6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,754.25	320.87
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.68	
26 05 36 00-0328	EA			9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,794.20	335.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.47	
26 05 36 00-0329	EA			12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,837.30	351.79
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.42	
26 05 36 00-0330	EA			18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,914.32	388.40
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-159.06	
26 05 36 00-0331	EA			24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,965.80	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-162.43	
26 05 36 00-0332	EA			30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,099.38	461.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-171.48	
26 05 36 00-0333	EA			36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,224.08	526.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-178.51	
26 05 36 00-0334				12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335	EA			6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	878.17	369.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.05	
26 05 36 00-0336	EA			9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	922.96	388.40
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.93	
26 05 36 00-0337	EA			12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	983.93	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.24	
26 05 36 00-0338	EA			18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,053.60	434.55
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.15	
26 05 36 00-0339	EA			24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,187.35	491.92
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.74	
26 05 36 00-0340	EA			30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,318.24	526.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.93	
26 05 36 00-0341	EA			36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,438.10	568.37
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.45	
26 05 36 00-0342				24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0343	EA			6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,192.98	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,249.97	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.79	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,310.72	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.62	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,396.39	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.64	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,561.63	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.80	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,681.11	615.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.84	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,878.04	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.91	
26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,481.75	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.72	
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,564.26	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.43	
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,653.97	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.50	
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,802.34	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.88	
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,068.08	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-150.91	
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,257.97	737.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-164.37	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,477.08	821.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-179.28	
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	996.46	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.88	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,047.18	388.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.34	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,119.22	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.78	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,202.11	434.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.99	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,352.68	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.27	
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,516.75	526.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.76	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,657.86	567.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.49	
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,422.45	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.09	
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,486.57	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.45	
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,554.44	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.99	
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,655.79	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,838.13	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.45	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,976.15	615.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-146.34	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,220.11	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.12	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,802.44	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.79	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,899.20	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.92	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,003.16	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.42	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,187.17	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-171.36	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,495.67	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-193.67	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,721.19	737.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-210.69	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,975.93	821.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-229.17	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	340.20	154.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.17	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	382.62	175.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.62	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	421.35	194.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.95	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	523.54	238.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.51	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	598.16	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.03	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.13	307.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.38	
26 05 36 00-0390 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	805.10	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.21	
26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	438.99	160.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.53	
26 05 36 00-0393 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	484.24	184.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.05	
26 05 36 00-0394 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	525.27	205.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.44	
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	622.41	254.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.02	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	704.86	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.90	335.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.04	
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	921.90	388.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.82	
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.51	167.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.98	
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.02	194.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.23	
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.93	217.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.09	
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	695.82	273.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.80	
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.78	320.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.14	
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	932.01	369.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.44	
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,068.60	433.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.72	
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	250.98	111.83
			<i>For 60 Degree Bend, Deduct</i>	-39.97	
			<i>For 30 Degree Bend, Deduct</i>	-72.83	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.78	
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.76	134.13
			<i>For 60 Degree Bend, Deduct</i>	-44.56	
			<i>For 30 Degree Bend, Deduct</i>	-81.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.90	
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	326.31	153.82
			<i>For 60 Degree Bend, Deduct</i>	-48.72	
			<i>For 30 Degree Bend, Deduct</i>	-89.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.81	
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.88	194.43
			<i>For 60 Degree Bend, Deduct</i>	-56.79	
			<i>For 30 Degree Bend, Deduct</i>	-105.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.59	
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.87	238.12
			<i>For 60 Degree Bend, Deduct</i>	-71.04	
			<i>For 30 Degree Bend, Deduct</i>	-131.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.34	
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	577.04	273.34
			<i>For 60 Degree Bend, Deduct</i>	-85.63	
			<i>For 30 Degree Bend, Deduct</i>	-157.90	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.92	
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	661.53	320.87
			<i>For 60 Degree Bend, Deduct</i>	-95.29	
			<i>For 30 Degree Bend, Deduct</i>	-176.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.41	
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	274.01	115.36
			<i>For 60 Degree Bend, Deduct</i>	-46.22	
			<i>For 30 Degree Bend, Deduct</i>	-83.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.79	
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.89	139.05
			<i>For 60 Degree Bend, Deduct</i>	-51.92	
			<i>For 30 Degree Bend, Deduct</i>	-94.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0418 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.27	160.59
<i>For 60 Degree Bend, Deduct</i>	-58.99	
<i>For 30 Degree Bend, Deduct</i>	-107.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	
26 05 36 00-0419 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	442.13	205.05
<i>For 60 Degree Bend, Deduct</i>	-67.28	
<i>For 30 Degree Bend, Deduct</i>	-123.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.12	
26 05 36 00-0420 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.86	254.72
<i>For 60 Degree Bend, Deduct</i>	-82.51	
<i>For 30 Degree Bend, Deduct</i>	-151.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.36	
26 05 36 00-0421 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.56	295.50
<i>For 60 Degree Bend, Deduct</i>	-97.15	
<i>For 30 Degree Bend, Deduct</i>	-178.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.14	
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	752.49	351.79
<i>For 60 Degree Bend, Deduct</i>	-113.49	
<i>For 30 Degree Bend, Deduct</i>	-208.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.94	
26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.78	119.06
<i>For 60 Degree Bend, Deduct</i>	-58.59	
<i>For 30 Degree Bend, Deduct</i>	-104.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.66	
26 05 36 00-0425 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.00	144.59
<i>For 60 Degree Bend, Deduct</i>	-65.03	
<i>For 30 Degree Bend, Deduct</i>	-116.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.45	
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.37	167.82
<i>For 60 Degree Bend, Deduct</i>	-69.78	
<i>For 30 Degree Bend, Deduct</i>	-125.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.65	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.35	217.20
<i>For 60 Degree Bend, Deduct</i>	-81.50	
<i>For 30 Degree Bend, Deduct</i>	-147.91	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.83	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	600.80	273.34
<i>For 60 Degree Bend, Deduct</i>	-93.47	
<i>For 30 Degree Bend, Deduct</i>	-170.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.30	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.24	320.87
<i>For 60 Degree Bend, Deduct</i>	-115.33	
<i>For 30 Degree Bend, Deduct</i>	-210.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.48	
26 05 36 00-0430 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	855.91	388.40
<i>For 60 Degree Bend, Deduct</i>	-133.55	
<i>For 30 Degree Bend, Deduct</i>	-244.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.22	
26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.18	153.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.30	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.33	175.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.39	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.10	194.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.33	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.54	238.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.51	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.60	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.98	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	655.26	307.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.89	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	733.13	351.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.05	
26 05 36 00-0439		24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.75	160.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.60	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.93	184.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.01	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.71	205.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.38	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.57	254.72
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.43	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	683.75	295.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.76	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	760.87	335.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.14	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	874.39	388.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.07	
26 05 36 00-0447		36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.54	167.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.88	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.68	194.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.88	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	591.73	217.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.07	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.74	273.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.59	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.58	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.82	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	900.34	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.27	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,026.37	433.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.50	
26 05 36 00-0455		12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	669.23	295.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.30	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.88	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.75	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	759.55	335.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.01	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.91	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.73	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	952.26	409.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.07	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,046.21	434.55
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.41	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,184.18	491.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.42	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0463				24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464	EA			6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	811.98	320.87
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.46	
26 05 36 00-0465	EA			9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	876.55	351.79
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.34	
26 05 36 00-0466	EA			12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	916.17	369.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.85	
26 05 36 00-0467	EA			18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.69	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.62	
26 05 36 00-0468	EA			24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,122.79	461.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.82	
26 05 36 00-0469	EA			30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,205.30	491.92
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.53	
26 05 36 00-0470	EA			36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,440.74	568.37
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.72	
26 05 36 00-0471				36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA			6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,000.60	351.79
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.75	
26 05 36 00-0473	EA			9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,077.63	388.40
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.39	
26 05 36 00-0474	EA			12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,142.30	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.08	
26 05 36 00-0475	EA			18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,262.68	461.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.81	
26 05 36 00-0476	EA			24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,434.90	526.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.59	
26 05 36 00-0477	EA			30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,554.24	568.37
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.07	
26 05 36 00-0478	EA			36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,769.83	670.66
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.09	
26 05 36 00-0479				12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA			6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	756.52	273.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.87	
26 05 36 00-0481	EA			9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	777.12	284.11
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.03	
26 05 36 00-0482	EA			12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.56	295.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.24	
26 05 36 00-0483	EA			18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.29	320.87
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.89	
26 05 36 00-0484	EA			24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.68	335.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.62	
26 05 36 00-0485	EA			30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	953.13	369.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.55	
26 05 36 00-0486	EA			36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,034.08	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.26	
26 05 36 00-0487				24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA			6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,036.11	295.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0489 EA 9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,064.37	307.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.80	
26 05 36 00-0490 EA 12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,094.40	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.70	
26 05 36 00-0491 EA 18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,161.60	351.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.85	
26 05 36 00-0492 EA 24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,206.51	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.89	
26 05 36 00-0493 EA 30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,290.11	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.86	
26 05 36 00-0494 EA 36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,402.57	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.80	
26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496 EA 6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,551.02	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.36	
26 05 36 00-0497 EA 9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,588.32	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.88	
26 05 36 00-0498 EA 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,628.78	351.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.57	
26 05 36 00-0499 EA 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,703.17	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.95	
26 05 36 00-0500 EA 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,752.01	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.05	
26 05 36 00-0501 EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,877.67	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.31	
26 05 36 00-0502 EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,999.73	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.07	
26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504 EA 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	834.35	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.67	
26 05 36 00-0505 EA 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	877.03	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.33	
26 05 36 00-0506 EA 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	933.78	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.23	
26 05 36 00-0507 EA 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	998.70	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.66	
26 05 36 00-0508 EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.11	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.61	
26 05 36 00-0509 EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,244.86	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.59	
26 05 36 00-0510 EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,356.28	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.27	
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512 EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,107.99	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.65	
26 05 36 00-0513 EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,162.34	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.02	
26 05 36 00-0514 EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,220.45	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.59	
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,300.31	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,459.22	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.56	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,571.84	615.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.91	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,751.35	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.24	
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,362.98	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.84	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,440.20	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.02	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,524.64	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.57	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,659.81	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.62	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,909.72	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.08	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,086.41	737.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.21	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,292.32	821.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.81	
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	932.93	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.53	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	980.58	388.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.68	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,046.50	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.50	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,122.50	434.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.03	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,263.89	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.39	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,410.36	526.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.12	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,539.22	567.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.62	
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,299.21	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.77	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,359.51	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.74	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,423.55	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.90	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,516.48	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.65	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,689.64	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.61	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,817.70	615.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.50	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,036.41	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.75	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0543			36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544	EA		6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,630.22	461.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.57	
26 05 36 00-0545	EA		9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,719.32	491.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.94	
26 05 36 00-0546	EA		12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,815.63	526.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.66	
26 05 36 00-0547	EA		18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,980.50	568.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-150.69	
26 05 36 00-0548	EA		24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,266.04	670.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.71	
26 05 36 00-0549	EA		30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,472.43	737.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-185.81	
26 05 36 00-0550	EA		36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,708.03	821.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-202.38	
26 05 36 00-0551			12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0552			12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	334.38	154.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.59	
26 05 36 00-0554	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	376.34	175.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.99	
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	414.51	194.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.27	
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	514.67	238.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.62	
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	588.18	273.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.04	
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.01	307.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.06	
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	789.77	351.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.68	
26 05 36 00-0560			24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	426.98	160.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.33	
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.86	184.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.82	
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	512.43	205.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.15	
26 05 36 00-0564	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	608.55	254.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.63	
26 05 36 00-0565	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.99	295.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.38	
26 05 36 00-0566	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.73	335.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.43	
26 05 36 00-0567	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	902.68	388.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.90	
26 05 36 00-0568			36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	456.21	167.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.65	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.97	194.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.83	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.25	217.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.62	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.00	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.12	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	780.31	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.29	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	909.84	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.22	
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,044.40	433.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.30	
26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	246.45	111.83
<i>For 60 Degree Bend, Deduct</i>	-38.48	
<i>For 30 Degree Bend, Deduct</i>	-70.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.33	
26 05 36 00-0578 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	286.04	134.13
<i>For 60 Degree Bend, Deduct</i>	-43.00	
<i>For 30 Degree Bend, Deduct</i>	-79.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.43	
26 05 36 00-0579 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.42	153.82
<i>For 60 Degree Bend, Deduct</i>	-47.10	
<i>For 30 Degree Bend, Deduct</i>	-87.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.32	
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.71	194.43
<i>For 60 Degree Bend, Deduct</i>	-55.08	
<i>For 30 Degree Bend, Deduct</i>	-102.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.07	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.22	238.12
<i>For 60 Degree Bend, Deduct</i>	-68.85	
<i>For 30 Degree Bend, Deduct</i>	-127.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.68	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	568.54	273.34
<i>For 60 Degree Bend, Deduct</i>	-82.82	
<i>For 30 Degree Bend, Deduct</i>	-153.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.07	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	652.66	320.87
<i>For 60 Degree Bend, Deduct</i>	-92.36	
<i>For 30 Degree Bend, Deduct</i>	-171.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.52	
26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.28	115.36
<i>For 60 Degree Bend, Deduct</i>	-44.33	
<i>For 30 Degree Bend, Deduct</i>	-80.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.22	
26 05 36 00-0586 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.79	139.05
<i>For 60 Degree Bend, Deduct</i>	-49.91	
<i>For 30 Degree Bend, Deduct</i>	-90.91	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.69	
26 05 36 00-0587 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.43	160.59
<i>For 60 Degree Bend, Deduct</i>	-56.73	
<i>For 30 Degree Bend, Deduct</i>	-103.47	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.46	
26 05 36 00-0588 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.11	205.05
<i>For 60 Degree Bend, Deduct</i>	-64.97	
<i>For 30 Degree Bend, Deduct</i>	-119.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.42	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 537.36	537.36	254.72
			<i>For 60 Degree Bend, Deduct</i> -79.71	-79.71	
			<i>For 30 Degree Bend, Deduct</i> -146.99	-146.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -32.51	-32.51	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 627.40	627.40	295.50
			<i>For 60 Degree Bend, Deduct</i> -93.79	-93.79	
			<i>For 30 Degree Bend, Deduct</i> -172.73	-172.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -38.12	-38.12	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 740.85	740.85	351.79
			<i>For 60 Degree Bend, Deduct</i> -109.65	-109.65	
			<i>For 30 Degree Bend, Deduct</i> -202.29	-202.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -44.77	-44.77	
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 307.56	307.56	119.06
			<i>For 60 Degree Bend, Deduct</i> -55.88	-55.88	
			<i>For 30 Degree Bend, Deduct</i> -99.74	-99.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -20.84	-20.84	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 356.32	356.32	144.59
			<i>For 60 Degree Bend, Deduct</i> -62.17	-62.17	
			<i>For 30 Degree Bend, Deduct</i> -111.64	-111.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -23.58	-23.58	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 397.50	397.50	167.82
			<i>For 60 Degree Bend, Deduct</i> -66.85	-66.85	
			<i>For 30 Degree Bend, Deduct</i> -120.74	-120.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -25.77	-25.77	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 489.74	489.74	217.20
			<i>For 60 Degree Bend, Deduct</i> -78.33	-78.33	
			<i>For 30 Degree Bend, Deduct</i> -142.62	-142.62	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -30.87	-30.87	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 590.64	590.64	273.34
			<i>For 60 Degree Bend, Deduct</i> -90.12	-90.12	
			<i>For 30 Degree Bend, Deduct</i> -165.38	-165.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -36.28	-36.28	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 709.12	709.12	320.87
			<i>For 60 Degree Bend, Deduct</i> -111.00	-111.00	
			<i>For 30 Degree Bend, Deduct</i> -202.82	-202.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -44.17	-44.17	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 841.32	841.32	388.40
			<i>For 60 Degree Bend, Deduct</i> -128.73	-128.73	
			<i>For 30 Degree Bend, Deduct</i> -236.14	-236.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -51.76	-51.76	
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 363.15	363.15	153.82
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -23.50	-23.50	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 402.11	402.11	175.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -25.57	-25.57	
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 436.60	436.60	194.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -27.48	-27.48	
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 514.67	514.67	238.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -31.62	-31.62	
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 578.36	578.36	273.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -35.05	-35.05	
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 645.28	645.28	307.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -38.89	-38.89	
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 722.78	722.78	351.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -43.01	-43.01	
26 05 36 00-0608			24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36 00-0609	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....418.39	418.39	160.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-28.47	-28.47	
	26 05 36 00-0610	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....462.29	462.29	184.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-30.85	-30.85	
	26 05 36 00-0611	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....502.61	502.61	205.05
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-33.17	-33.17	
	26 05 36 00-0612	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....593.82	593.82	254.72
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-38.16	-38.16	
	26 05 36 00-0613	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....670.35	670.35	295.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-42.42	-42.42	
	26 05 36 00-0614	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....746.73	746.73	335.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-46.73	-46.73	
	26 05 36 00-0615	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....858.50	858.50	388.40
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-53.48	-53.48	
	26 05 36 00-0616			36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
	26 05 36 00-0617	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....483.21	483.21	167.66
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-34.35	-34.35	
	26 05 36 00-0618	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....534.79	534.79	194.28
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-37.29	-37.29	
	26 05 36 00-0619	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....575.66	575.66	217.20
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-39.46	-39.46	
	26 05 36 00-0620	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....686.37	686.37	273.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-45.86	-45.86	
	26 05 36 00-0621	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....768.03	768.03	320.87
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-50.06	-50.06	
	26 05 36 00-0622	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....880.38	880.38	369.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-57.27	-57.27	
	26 05 36 00-0623	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....1,005.13	1,005.13	433.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-64.37	-64.37	
	26 05 36 00-0624			12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
	26 05 36 00-0625	EA		6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....651.55	651.55	295.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-40.54	-40.54	
	26 05 36 00-0626	EA		9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....705.87	705.87	320.87
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-43.85	-43.85	
	26 05 36 00-0627	EA		12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....739.49	739.49	335.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-46.00	-46.00	
	26 05 36 00-0628	EA		18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....821.95	821.95	369.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-51.43	-51.43	
	26 05 36 00-0629	EA		24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....925.34	925.34	409.78
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-58.38	-58.38	
	26 05 36 00-0630	EA		30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....1,014.01	1,014.01	434.55
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-65.19	-65.19	
	26 05 36 00-0631	EA		36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....1,147.76	1,147.76	491.92
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-73.78	-73.78	
	26 05 36 00-0632			24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
	26 05 36 00-0633	EA		6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....784.27	784.27	320.87
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-51.69	-51.69	
	26 05 36 00-0634	EA		9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....847.51	847.51	351.79
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-55.44	-55.44	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	886.08	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.84	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	975.22	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.37	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,087.42	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.29	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,166.76	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.68	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,391.38	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.78	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	959.16	351.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.61	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,034.60	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.09	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,096.37	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.49	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,213.32	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.88	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,379.21	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.02	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,493.53	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.99	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,704.63	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.57	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	726.43	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.86	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	746.77	284.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.00	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	767.95	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.18	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	815.15	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.77	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	844.01	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.45	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	919.34	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.17	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	998.98	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.75	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	981.74	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.55	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,009.20	307.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.28	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.44	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.10	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,104.06	351.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.10	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,147.39	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.40	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.79	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,339.22	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.47	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,449.40	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.20	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,485.39	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.59	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,524.52	351.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.14	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,597.59	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.39	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,645.11	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.36	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,766.81	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.23	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,887.56	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.86	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	812.44	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.48	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	854.07	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.04	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.71	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.72	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	971.25	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.92	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,095.50	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.55	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,208.17	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.92	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,315.37	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.18	
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.49	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.40	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,118.53	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.64	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,175.32	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.08	
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,252.28	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.23	
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,408.01	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.44	
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,517.20	615.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.45	
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,688.00	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689 EA 6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,303.59	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.90	
26 05 36 00-0690 EA 9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,378.18	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.82	
26 05 36 00-0691 EA 12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,459.97	526.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.10	
26 05 36 00-0692 EA 18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,588.55	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.50	
26 05 36 00-0693 EA 24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,830.53	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.16	
26 05 36 00-0694 EA 30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,000.63	737.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.63	
26 05 36 00-0695 EA 36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,199.94	821.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.57	
26 05 36 00-0696 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697 EA 6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	901.17	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.35	
26 05 36 00-0698 EA 9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	947.29	388.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.35	
26 05 36 00-0699 EA 12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,010.14	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.87	
26 05 36 00-0700 EA 18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,082.70	434.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.05	
26 05 36 00-0701 EA 24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,219.50	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.95	
26 05 36 00-0702 EA 30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,357.16	526.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.80	
26 05 36 00-0703 EA 36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,479.90	567.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.69	
26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0705 EA 6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,237.60	409.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.61	
26 05 36 00-0706 EA 9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,295.98	434.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.39	
26 05 36 00-0707 EA 12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,358.11	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.36	
26 05 36 00-0708 EA 18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,446.83	491.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.69	
26 05 36 00-0709 EA 24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,615.39	568.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.18	
26 05 36 00-0710 EA 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,738.48	615.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.57	
26 05 36 00-0711 EA 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,944.56	670.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.56	
26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713 EA 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,544.11	461.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,629.38 -121.94	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,721.87 -128.29	526.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,877.17 -140.36	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,151.22 -159.23	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,348.04 -173.37	737.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,574.08 -188.98	821.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		
26 05 36 00-0720 Dropout Or End Plates And Reducers (26 05 36 00-0002)		
26 05 36 00-0721 Straight Reducers (26 05 36 00-0720)		
26 05 36 00-0722 EA 9" To 6" Reducer, Steel Cable Tray.....	310.66	113.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.60	
26 05 36 00-0723 EA 12" To 9" Reducer, Steel Cable Tray.....	328.93	122.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.65	
26 05 36 00-0724 EA 18" To 12" Reducer, Steel Cable Tray.....	360.55	141.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.23	
26 05 36 00-0725 EA 24" To 18" Reducer, Steel Cable Tray.....	400.20	164.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.34	
26 05 36 00-0726 EA 30" To 24" Reducer, Steel Cable Tray.....	436.98	184.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.32	
26 05 36 00-0727 EA 36" To 30" Reducer, Steel Cable Tray.....	496.68	210.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.09	
26 05 36 00-0728 Reducers (26 05 36 00-0720)		
26 05 36 00-0729 EA 18" To 6" Reducer, Steel Cable Tray.....	365.98	141.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.77	
26 05 36 00-0730 EA 24" To 12" Reducer, Steel Cable Tray.....	405.87	164.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.89	
26 05 36 00-0731 EA 30" To 12" Reducer, Steel Cable Tray.....	447.29	184.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.36	
26 05 36 00-0732 EA 30" To 18" Reducer, Steel Cable Tray.....	452.33	184.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.88	
26 05 36 00-0733 EA 36" To 12" Reducer, Steel Cable Tray.....	499.32	210.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.36	
26 05 36 00-0734 EA 36" To 18" Reducer, Steel Cable Tray.....	513.84	216.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.35	
26 05 36 00-0735 EA 36" To 24" Reducer, Steel Cable Tray.....	530.64	223.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.45	
26 05 36 00-0736 Dropout Or End Plate (26 05 36 00-0720)		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	90.50	46.15
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	103.80	52.76
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	112.02	56.76
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	132.29	67.07
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	147.86	73.84
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	163.95	81.98
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	184.97	92.29
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray (26 05 36 00-0001)		
Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections (26 05 36 00-0744)		
26 05 36 00-0746 4" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	135.52	10.77
For Class 12C Instead Of Class 12B, Add	18.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.65	
For 6" Overall Height Instead Of 4-5/8", Add	6.78	
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	143.30	11.38
For Class 12C Instead Of Class 12B, Add	19.60	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.38	
For 6" Overall Height Instead Of 4-5/8", Add	7.17	
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	151.07	11.84
For Class 12C Instead Of Class 12B, Add	20.68	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.12	
For 6" Overall Height Instead Of 4-5/8", Add	7.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0750	LF		18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	167.82	12.92
			<i>For Class 12C Instead Of Class 12B, Add</i>	23.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.39	
26 05 36 00-0751	LF		24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	193.77	13.84
			<i>For Class 12C Instead Of Class 12B, Add</i>	26.77	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.69	
26 05 36 00-0752	LF		30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	212.54	14.77
			<i>For Class 12C Instead Of Class 12B, Add</i>	29.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.63	
26 05 36 00-0753	LF		36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	229.13	15.69
			<i>For Class 12C Instead Of Class 12B, Add</i>	31.75	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.46	
26 05 36 00-0754			6" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755	LF		6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	124.84	10.77
			<i>For Class 12C Instead Of Class 12B, Add</i>	16.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.24	
26 05 36 00-0756	LF		9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	131.99	11.38
			<i>For Class 12C Instead Of Class 12B, Add</i>	17.91	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.60	
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	139.14	11.84
			<i>For Class 12C Instead Of Class 12B, Add</i>	18.89	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.96	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	154.54	12.92
			<i>For Class 12C Instead Of Class 12B, Add</i>	21.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.73	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	178.24	13.84
			<i>For Class 12C Instead Of Class 12B, Add</i>	24.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.91	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	195.45	14.77
			<i>For Class 12C Instead Of Class 12B, Add</i>	26.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.77	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	210.69	15.69
			<i>For Class 12C Instead Of Class 12B, Add</i>	28.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.53	
26 05 36 00-0762			9" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	111.05	10.31
			<i>For Class 12C Instead Of Class 12B, Add</i>	14.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.55	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	112.33	10.77
			<i>For Class 12C Instead Of Class 12B, Add</i>	15.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.62	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	120.50	11.38
			<i>For Class 12C Instead Of Class 12B, Add</i>	16.19	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.03	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	128.65	12.15
			<i>For Class 12C Instead Of Class 12B, Add</i>	17.27	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.43	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	146.05	12.61
			<i>For Class 12C Instead Of Class 12B, Add</i>	19.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.30	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	161.83	13.53
			<i>For Class 12C Instead Of Class 12B, Add</i>	22.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.09	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	171.62	14.77
			<i>For Class 12C Instead Of Class 12B, Add</i>	23.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.58	
26 05 36 00-0770			12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	108.89	10.00
			<i>For Class 12C Instead Of Class 12B, Add</i>	14.67	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	110.01	10.31
<i>For Class 12C Instead Of Class 12B, Add</i>	14.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.50	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	114.16	10.92
<i>For Class 12C Instead Of Class 12B, Add</i>	15.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.71	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	120.95	11.54
<i>For Class 12C Instead Of Class 12B, Add</i>	16.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.05	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	132.68	11.69
<i>For Class 12C Instead Of Class 12B, Add</i>	17.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.63	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	142.36	12.92
<i>For Class 12C Instead Of Class 12B, Add</i>	19.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.12	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	150.42	13.99
<i>For Class 12C Instead Of Class 12B, Add</i>	20.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.52	
26 05 36 00-0778 18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	107.91	9.69
<i>For Class 12C Instead Of Class 12B, Add</i>	14.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.40	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	107.47	10.15
<i>For Class 12C Instead Of Class 12B, Add</i>	14.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.37	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	113.39	10.46
<i>For Class 12C Instead Of Class 12B, Add</i>	15.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.46	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.67	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	119.50	11.08
<i>For Class 12C Instead Of Class 12B, Add</i>	16.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.98	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	127.60	11.23
<i>For Class 12C Instead Of Class 12B, Add</i>	17.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.63	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.38	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	132.95	12.30
<i>For Class 12C Instead Of Class 12B, Add</i>	17.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.65	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	140.12	13.38
<i>For Class 12C Instead Of Class 12B, Add</i>	18.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.01	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	400.74	154.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.04	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	440.20	175.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.01	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	498.29	194.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.91	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	593.28	238.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.66	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	699.35	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.97	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	771.00	307.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.46	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.55	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	898.86	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.94	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	522.06	160.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.83	
For 6" Overall Height Instead Of 4-5/8", Add	26.10	
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	572.94	184.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.92	
For 6" Overall Height Instead Of 4-5/8", Add	28.65	
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	620.11	205.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.92	
For 6" Overall Height Instead Of 4-5/8", Add	31.01	
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	726.37	254.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.41	
For 6" Overall Height Instead Of 4-5/8", Add	36.32	
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	823.41	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.72	
For 6" Overall Height Instead Of 4-5/8", Add	41.17	
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	920.89	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.14	
For 6" Overall Height Instead Of 4-5/8", Add	46.04	
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,054.81	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.11	
For 6" Overall Height Instead Of 4-5/8", Add	52.74	
26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	559.56	167.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.98	
For 6" Overall Height Instead Of 4-5/8", Add	27.98	
26 05 36 00-0805 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	610.79	194.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.91	
For 6" Overall Height Instead Of 4-5/8", Add	30.54	
26 05 36 00-0806 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	682.21	217.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.12	
For 6" Overall Height Instead Of 4-5/8", Add	34.11	
26 05 36 00-0807 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	815.75	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.79	
For 6" Overall Height Instead Of 4-5/8", Add	40.79	
26 05 36 00-0808 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	942.25	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.48	
For 6" Overall Height Instead Of 4-5/8", Add	47.11	
26 05 36 00-0809 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,062.70	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.51	
For 6" Overall Height Instead Of 4-5/8", Add	53.14	
26 05 36 00-0810 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,235.74	433.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.43	
For 6" Overall Height Instead Of 4-5/8", Add	61.79	
26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0812 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	280.89	111.83
For 60 Degree Bend, Deduct	-49.84	
For 30 Degree Bend, Deduct	-89.28	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.77	
For 6" Overall Height Instead Of 4-5/8", Add	14.04	
26 05 36 00-0813 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	321.67	134.13
For 60 Degree Bend, Deduct	-54.76	
For 30 Degree Bend, Deduct	-98.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.99	
For 6" Overall Height Instead Of 4-5/8", Add	16.08	
26 05 36 00-0814 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	358.22	153.82
For 60 Degree Bend, Deduct	-59.25	
For 30 Degree Bend, Deduct	-107.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.00	
For 6" Overall Height Instead Of 4-5/8", Add	17.91	
26 05 36 00-0815 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	444.02	194.43
For 60 Degree Bend, Deduct	-72.01	
For 30 Degree Bend, Deduct	-130.82	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.20	
For 6" Overall Height Instead Of 4-5/8", Add	22.20	
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	545.99	238.12
For 60 Degree Bend, Deduct	-88.90	
For 30 Degree Bend, Deduct	-161.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.76	
For 6" Overall Height Instead Of 4-5/8", Add	27.30	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	626.60	273.34
For 60 Degree Bend, Deduct	-101.98	
For 30 Degree Bend, Deduct	-185.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.88	
For 6" Overall Height Instead Of 4-5/8", Add	31.33	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	713.08	320.87
For 60 Degree Bend, Deduct	-112.30	
For 30 Degree Bend, Deduct	-205.00	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.57	
For 6" Overall Height Instead Of 4-5/8", Add	35.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	319.51	115.36
<i>For 60 Degree Bend, Deduct</i>	-61.23	
<i>For 30 Degree Bend, Deduct</i>	-108.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.98	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	373.66	139.05
<i>For 60 Degree Bend, Deduct</i>	-70.00	
<i>For 30 Degree Bend, Deduct</i>	-124.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.68	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	413.11	160.59
<i>For 60 Degree Bend, Deduct</i>	-74.78	
<i>For 30 Degree Bend, Deduct</i>	-133.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.66	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	498.25	205.05
<i>For 60 Degree Bend, Deduct</i>	-85.80	
<i>For 30 Degree Bend, Deduct</i>	-154.40	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.91	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	606.33	254.72
<i>For 60 Degree Bend, Deduct</i>	-102.47	
<i>For 30 Degree Bend, Deduct</i>	-184.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.32	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	710.65	295.50
<i>For 60 Degree Bend, Deduct</i>	-121.26	
<i>For 30 Degree Bend, Deduct</i>	-218.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.53	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	815.38	351.79
<i>For 60 Degree Bend, Deduct</i>	-134.25	
<i>For 30 Degree Bend, Deduct</i>	-243.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.77	
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	369.30	119.06
<i>For 60 Degree Bend, Deduct</i>	-76.25	
<i>For 30 Degree Bend, Deduct</i>	-133.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.01	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.47	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	415.55	144.59
<i>For 60 Degree Bend, Deduct</i>	-81.71	
<i>For 30 Degree Bend, Deduct</i>	-144.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.78	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	457.92	167.82
<i>For 60 Degree Bend, Deduct</i>	-86.79	
<i>For 30 Degree Bend, Deduct</i>	-153.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.90	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	558.53	217.20
<i>For 60 Degree Bend, Deduct</i>	-101.03	
<i>For 30 Degree Bend, Deduct</i>	-180.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.93	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	695.71	273.34
<i>For 60 Degree Bend, Deduct</i>	-124.79	
<i>For 30 Degree Bend, Deduct</i>	-223.17	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.79	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	789.47	320.87
<i>For 60 Degree Bend, Deduct</i>	-137.51	
<i>For 30 Degree Bend, Deduct</i>	-247.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.47	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	927.49	388.40
<i>For 60 Degree Bend, Deduct</i>	-157.17	
<i>For 30 Degree Bend, Deduct</i>	-283.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.37	
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	435.00	153.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.75	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	481.26	175.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.06	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	515.31	194.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.35	
For 6" Overall Height Instead Of 4-5/8", Add	25.77	
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	594.97	238.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.65	
For 6" Overall Height Instead Of 4-5/8", Add	29.75	
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	663.49	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.57	
For 6" Overall Height Instead Of 4-5/8", Add	33.17	
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	730.34	307.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.40	
For 6" Overall Height Instead Of 4-5/8", Add	36.52	
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	809.42	351.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.68	
For 6" Overall Height Instead Of 4-5/8", Add	40.47	
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	460.68	160.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.70	
For 6" Overall Height Instead Of 4-5/8", Add	23.03	
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	509.02	184.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.52	
For 6" Overall Height Instead Of 4-5/8", Add	25.45	
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	548.07	205.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.72	
For 6" Overall Height Instead Of 4-5/8", Add	27.40	
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	642.06	254.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.98	
For 6" Overall Height Instead Of 4-5/8", Add	32.10	
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	722.99	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.68	
For 6" Overall Height Instead Of 4-5/8", Add	36.15	
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	802.54	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.31	
For 6" Overall Height Instead Of 4-5/8", Add	40.13	
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	907.23	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.35	
For 6" Overall Height Instead Of 4-5/8", Add	45.36	
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	578.27	167.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.85	
For 6" Overall Height Instead Of 4-5/8", Add	28.91	
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	628.99	194.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.71	
For 6" Overall Height Instead Of 4-5/8", Add	31.45	
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	686.88	217.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.58	
For 6" Overall Height Instead Of 4-5/8", Add	34.34	
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	793.41	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.56	
For 6" Overall Height Instead Of 4-5/8", Add	39.67	
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	885.61	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.82	
For 6" Overall Height Instead Of 4-5/8", Add	44.28	
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	992.03	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.44	
For 6" Overall Height Instead Of 4-5/8", Add	49.60	
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,115.83	433.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.44	
For 6" Overall Height Instead Of 4-5/8", Add	55.79	
26 05 36 00-0859 12" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	698.43	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.22	
For 6" Overall Height Instead Of 4-5/8", Add	34.92	
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	754.39	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.70	
For 6" Overall Height Instead Of 4-5/8", Add	37.72	
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	781.88	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.24	
For 6" Overall Height Instead Of 4-5/8", Add	39.09	
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	882.12	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.45	
For 6" Overall Height Instead Of 4-5/8", Add	44.11	
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	976.91	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.54	
For 6" Overall Height Instead Of 4-5/8", Add	48.85	
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,065.35	434.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.33	
For 6" Overall Height Instead Of 4-5/8", Add	53.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,228.65 -81.87 61.43	491.92
26 05 36 00-0867 24" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	886.13 -61.87 44.31	320.87
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	957.76 -66.47 47.89	351.79
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	996.97 -68.93 49.85	369.17
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,098.50 -75.70 54.93	409.78
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,221.73 -83.72 61.09	461.46
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,316.47 -90.65 65.82	491.92
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,707.17 -123.36 85.36	568.37
26 05 36 00-0875 36" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,082.74 -78.96 54.14	351.79
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,157.44 -83.37 57.87	388.40
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,240.37 -89.89 62.02	409.78
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,356.84 -97.23 67.84	461.46
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,526.51 -108.75 76.33	526.84
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,767.97 -129.44 88.40	568.37
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,029.89 -147.09 101.49	670.66
26 05 36 00-0883 12" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	918.38 -69.06 45.92	273.34
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	949.85 -71.31 47.49	284.11
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	972.03 -72.58 48.60	295.50
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,024.62 -75.72 51.23	320.87
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,089.26 -80.98 54.46	335.33
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,155.72 -84.81 57.79	369.17
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,240.37 -89.89 62.02	409.78
26 05 36 00-0891 24" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,276.03 -102.98 63.80	295.50
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,306.50 -105.01 65.33	307.65

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894 EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,338.75 -107.13 66.94	320.87
26 05 36 00-0895 EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,413.76 -112.07 70.69	351.79
26 05 36 00-0896 EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,463.10 -115.55 73.16	369.17
26 05 36 00-0897 EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,551.13 -120.96 77.56	409.78
26 05 36 00-0898 EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,714.88 -133.03 85.74	461.46
26 05 36 00-0899 36" Radius Vertical Tee <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900 EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,025.62 -175.82 101.28	320.87
26 05 36 00-0901 EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,069.08 -178.96 103.45	335.33
26 05 36 00-0902 EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,115.70 -182.26 105.79	351.79
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,196.27 -187.26 109.81	388.40
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,251.27 -190.98 112.56	409.78
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,395.40 -201.08 119.77	461.46
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,523.63 -208.46 126.18	526.84
26 05 36 00-0907 12" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908 EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	902.39 -59.48 45.12	369.17
26 05 36 00-0909 EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	964.91 -64.12 48.25	388.40
26 05 36 00-0910 EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,003.93 -66.24 50.20	409.78
26 05 36 00-0911 EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,112.64 -75.05 55.63	434.55
26 05 36 00-0912 EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,221.89 -81.19 61.09	491.92
26 05 36 00-0913 EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,350.87 -91.19 67.54	526.84
26 05 36 00-0914 EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,538.28 -106.47 76.91	568.37
26 05 36 00-0915 24" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,233.62 -89.21 61.68	409.78
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,291.66 -92.96 64.58	434.55
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,353.46 -96.89 67.67	461.46
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,434.69 -102.47 71.73	491.92
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,615.97 -114.24 80.80	568.37
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,752.90 -124.02 87.65	615.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,937.96 -137.90 96.90	670.66
26 05 36 00-0923 36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,417.64 -103.31 70.88	461.46
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,506.19 -109.62 75.31	491.92
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,605.40 -116.64 80.27	526.84
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,710.54 -123.70 85.53	568.37
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,063.66 -150.47 103.18	670.66
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,275.71 -166.14 113.79	737.12
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,533.85 -184.96 126.69	821.10
26 05 36 00-0931 12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	902.39 -59.48 45.12	369.17
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	965.13 -64.13 48.26	388.56
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,003.81 -66.24 50.19	409.78
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,112.92 -75.07 55.65	434.70
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,221.89 -81.19 61.09	491.92
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,351.27 -91.21 67.56	526.99
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,537.12 -106.41 76.86	567.60
26 05 36 00-0939 24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,233.62 -89.21 61.68	409.78
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,291.66 -92.96 64.58	434.55
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,353.46 -96.89 67.67	461.46
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,434.69 -102.47 71.73	491.92
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,615.97 -114.24 80.80	568.37
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,741.57 -122.88 87.08	615.28
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,925.18 -136.62 96.26	670.66
26 05 36 00-0947 36" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,709.48 -132.49 85.47	461.46
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,799.49 -138.95 89.97	491.92

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,916.30 -147.73 95.82	526.84
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,054.06 -158.05 102.70	568.37
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,489.26 -193.03 124.46	670.66
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,746.90 -213.26 137.35	737.12
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3,058.25 -237.40 152.91	821.10
26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	380.22 -25.17 19.01	154.28
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	419.16 -27.27 20.96	175.67
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	473.35 -31.15 23.67	194.28
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	565.22 -36.68 28.26	238.12
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	664.53 -43.67 33.23	273.34
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	734.10 -47.77 36.71	307.65
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	854.17 -56.12 42.71	351.63
26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	485.69 -35.20 24.28	160.44
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	535.01 -38.13 26.75	184.43
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	580.35 -40.94 29.02	205.05
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	683.24 -47.10 34.16	254.72
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	776.12 -52.99 38.81	295.50
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	869.18 -58.97 43.46	335.33
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	996.61 -67.29 49.83	388.40
26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	519.55 -37.98 25.98	167.66
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	569.74 -40.80 28.49	194.12
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	636.48 -45.54 31.82	217.20
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.31 -53.65 38.22	273.34
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	884.05 -61.66 44.20	320.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	998.79	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.94	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,162.47	433.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.12	
26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	267.38	111.83
<i>For 60 Degree Bend, Deduct</i>	-45.38	
<i>For 30 Degree Bend, Deduct</i>	-81.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.37	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	307.63	134.13
<i>For 60 Degree Bend, Deduct</i>	-50.12	
<i>For 30 Degree Bend, Deduct</i>	-90.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.59	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.38	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	343.67	153.82
<i>For 60 Degree Bend, Deduct</i>	-54.45	
<i>For 30 Degree Bend, Deduct</i>	-99.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.18	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	426.87	194.43
<i>For 60 Degree Bend, Deduct</i>	-66.35	
<i>For 30 Degree Bend, Deduct</i>	-121.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.34	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	524.69	238.12
<i>For 60 Degree Bend, Deduct</i>	-81.87	
<i>For 30 Degree Bend, Deduct</i>	-149.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.63	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.23	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	602.17	273.34
<i>For 60 Degree Bend, Deduct</i>	-93.92	
<i>For 30 Degree Bend, Deduct</i>	-171.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.11	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	687.62	320.87
<i>For 60 Degree Bend, Deduct</i>	-103.90	
<i>For 30 Degree Bend, Deduct</i>	-191.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.38	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	301.32	115.36
<i>For 60 Degree Bend, Deduct</i>	-55.23	
<i>For 30 Degree Bend, Deduct</i>	-98.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.52	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.07	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	353.39	139.05
<i>For 60 Degree Bend, Deduct</i>	-63.31	
<i>For 30 Degree Bend, Deduct</i>	-113.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.67	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	392.33	160.59
<i>For 60 Degree Bend, Deduct</i>	-67.92	
<i>For 30 Degree Bend, Deduct</i>	-122.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.62	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	475.90	205.05
<i>For 60 Degree Bend, Deduct</i>	-78.43	
<i>For 30 Degree Bend, Deduct</i>	-142.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.80	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	580.35	254.72
<i>For 60 Degree Bend, Deduct</i>	-93.89	
<i>For 30 Degree Bend, Deduct</i>	-170.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.02	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	679.47	295.50
<i>For 60 Degree Bend, Deduct</i>	-110.98	
<i>For 30 Degree Bend, Deduct</i>	-201.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.33	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.97	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	782.64	351.79
<i>For 60 Degree Bend, Deduct</i>	-123.44	
<i>For 30 Degree Bend, Deduct</i>	-225.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.13	
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0997 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	344.87	119.06
For 60 Degree Bend, Deduct	-68.19	
For 30 Degree Bend, Deduct	-120.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.57	
For 6" Overall Height Instead Of 4-5/8", Add	17.24	
26 05 36 00-0998 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	390.61	144.59
For 60 Degree Bend, Deduct	-73.48	
For 30 Degree Bend, Deduct	-130.50	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.01	
For 6" Overall Height Instead Of 4-5/8", Add	19.53	
26 05 36 00-0999 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	432.46	167.82
For 60 Degree Bend, Deduct	-78.39	
For 30 Degree Bend, Deduct	-139.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.26	
For 6" Overall Height Instead Of 4-5/8", Add	21.62	
26 05 36 00-1000 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	530.47	217.20
For 60 Degree Bend, Deduct	-91.77	
For 30 Degree Bend, Deduct	-165.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.94	
For 6" Overall Height Instead Of 4-5/8", Add	26.52	
26 05 36 00-1001 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	661.41	273.34
For 60 Degree Bend, Deduct	-113.47	
For 30 Degree Bend, Deduct	-204.31	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.36	
For 6" Overall Height Instead Of 4-5/8", Add	33.07	
26 05 36 00-1002 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	753.10	320.87
For 60 Degree Bend, Deduct	-125.51	
For 30 Degree Bend, Deduct	-227.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.57	
For 6" Overall Height Instead Of 4-5/8", Add	37.66	
26 05 36 00-1003 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	887.48	388.40
For 60 Degree Bend, Deduct	-143.97	
For 30 Degree Bend, Deduct	-261.52	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.38	
For 6" Overall Height Instead Of 4-5/8", Add	44.37	
26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1005 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	420.71	153.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.25	
For 6" Overall Height Instead Of 4-5/8", Add	21.04	
26 05 36 00-1006 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	466.19	175.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.98	
For 6" Overall Height Instead Of 4-5/8", Add	23.31	
26 05 36 00-1007 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	499.98	194.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.81	
For 6" Overall Height Instead Of 4-5/8", Add	25.00	
26 05 36 00-1008 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	579.12	238.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.07	
For 6" Overall Height Instead Of 4-5/8", Add	28.96	
26 05 36 00-1009 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	646.86	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.90	
For 6" Overall Height Instead Of 4-5/8", Add	32.34	
26 05 36 00-1010 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	712.93	307.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.66	
For 6" Overall Height Instead Of 4-5/8", Add	35.65	
26 05 36 00-1011 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	791.49	351.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.88	
For 6" Overall Height Instead Of 4-5/8", Add	39.57	
26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1013 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	445.22	160.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.15	
For 6" Overall Height Instead Of 4-5/8", Add	22.26	
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	492.91	184.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.91	
For 6" Overall Height Instead Of 4-5/8", Add	24.65	
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	531.57	205.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.07	
For 6" Overall Height Instead Of 4-5/8", Add	26.58	
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	624.65	254.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.24	
For 6" Overall Height Instead Of 4-5/8", Add	31.23	
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	704.54	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.83	
For 6" Overall Height Instead Of 4-5/8", Add	35.23	
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	783.05	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.36	
For 6" Overall Height Instead Of 4-5/8", Add	39.15	
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	886.44	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.27	
For 6" Overall Height Instead Of 4-5/8", Add	44.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.37	167.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.46	
For 6" Overall Height Instead Of 4-5/8", Add	27.72	
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	604.56	194.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.27	
For 6" Overall Height Instead Of 4-5/8", Add	30.23	
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	660.90	217.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.99	
For 6" Overall Height Instead Of 4-5/8", Add	33.05	
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	766.38	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.86	
For 6" Overall Height Instead Of 4-5/8", Add	38.32	
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	857.55	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.01	
For 6" Overall Height Instead Of 4-5/8", Add	42.88	
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	961.89	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.43	
For 6" Overall Height Instead Of 4-5/8", Add	48.09	
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,084.39	433.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.30	
For 6" Overall Height Instead Of 4-5/8", Add	54.22	
26 05 36 00-1028 12" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029 EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	682.58	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.64	
For 6" Overall Height Instead Of 4-5/8", Add	34.13	
26 05 36 00-1030 EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	737.51	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.01	
For 6" Overall Height Instead Of 4-5/8", Add	36.88	
26 05 36 00-1031 EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	764.73	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.53	
For 6" Overall Height Instead Of 4-5/8", Add	38.24	
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	861.60	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.40	
For 6" Overall Height Instead Of 4-5/8", Add	43.08	
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	954.30	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.28	
For 6" Overall Height Instead Of 4-5/8", Add	47.72	
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,039.11	434.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.70	
For 6" Overall Height Instead Of 4-5/8", Add	51.96	
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,197.21	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.72	
For 6" Overall Height Instead Of 4-5/8", Add	59.86	
26 05 36 00-1036 24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	859.11	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.17	
For 6" Overall Height Instead Of 4-5/8", Add	42.96	
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	929.18	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.61	
For 6" Overall Height Instead Of 4-5/8", Add	46.46	
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	967.61	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.00	
For 6" Overall Height Instead Of 4-5/8", Add	48.38	
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,066.55	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.50	
For 6" Overall Height Instead Of 4-5/8", Add	53.33	
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,186.91	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.24	
For 6" Overall Height Instead Of 4-5/8", Add	59.35	
26 05 36 00-1042 EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,278.28	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.83	
For 6" Overall Height Instead Of 4-5/8", Add	63.91	
26 05 36 00-1043 EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,648.71	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.51	
For 6" Overall Height Instead Of 4-5/8", Add	82.44	
26 05 36 00-1044 36" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1045 EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,044.55	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.14	
For 6" Overall Height Instead Of 4-5/8", Add	52.23	
26 05 36 00-1046 EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,118.21	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.45	
For 6" Overall Height Instead Of 4-5/8", Add	55.91	
26 05 36 00-1047 EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,197.50	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.60	
For 6" Overall Height Instead Of 4-5/8", Add	59.88	

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1048 EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,311.63	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.71	
For 6" Overall Height Instead Of 4-5/8", Add	65.58	
26 05 36 00-1049 EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,476.62	526.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.76	
For 6" Overall Height Instead Of 4-5/8", Add	73.83	
26 05 36 00-1050 EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,704.83	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-123.12	
For 6" Overall Height Instead Of 4-5/8", Add	85.24	
26 05 36 00-1051 EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,959.73	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-140.08	
For 6" Overall Height Instead Of 4-5/8", Add	97.99	
26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1053 EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	882.79	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.50	
For 6" Overall Height Instead Of 4-5/8", Add	44.14	
26 05 36 00-1054 EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	913.22	284.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.64	
For 6" Overall Height Instead Of 4-5/8", Add	45.66	
26 05 36 00-1055 EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	935.14	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.89	
For 6" Overall Height Instead Of 4-5/8", Add	46.76	
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	986.94	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.95	
For 6" Overall Height Instead Of 4-5/8", Add	49.35	
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,048.47	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.90	
For 6" Overall Height Instead Of 4-5/8", Add	52.42	
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,114.15	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.65	
For 6" Overall Height Instead Of 4-5/8", Add	55.71	
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,197.50	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.60	
For 6" Overall Height Instead Of 4-5/8", Add	59.88	
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061 EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,215.75	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.96	
For 6" Overall Height Instead Of 4-5/8", Add	60.79	
26 05 36 00-1062 EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,245.45	307.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.91	
For 6" Overall Height Instead Of 4-5/8", Add	62.27	
26 05 36 00-1063 EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,276.91	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.95	
For 6" Overall Height Instead Of 4-5/8", Add	63.85	
26 05 36 00-1064 EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,350.10	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.70	
For 6" Overall Height Instead Of 4-5/8", Add	67.51	
26 05 36 00-1065 EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,397.88	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.02	
For 6" Overall Height Instead Of 4-5/8", Add	69.89	
26 05 36 00-1066 EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,484.35	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-114.28	
For 6" Overall Height Instead Of 4-5/8", Add	74.22	
26 05 36 00-1067 EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,642.13	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-125.76	
For 6" Overall Height Instead Of 4-5/8", Add	82.11	
26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069 EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,910.94	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-164.35	
For 6" Overall Height Instead Of 4-5/8", Add	95.55	
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,952.92	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-167.34	
For 6" Overall Height Instead Of 4-5/8", Add	97.65	
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,998.04	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-170.49	
For 6" Overall Height Instead Of 4-5/8", Add	99.90	
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,077.13	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-175.34	
For 6" Overall Height Instead Of 4-5/8", Add	103.86	
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,130.64	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-178.91	
For 6" Overall Height Instead Of 4-5/8", Add	106.53	
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,270.30	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-188.57	
For 6" Overall Height Instead Of 4-5/8", Add	113.52	
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,397.04	526.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-195.81	
For 6" Overall Height Instead Of 4-5/8", Add	119.85	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1076 12" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1077	EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	880.30		369.17
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.27		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.02		
26 05 36 00-1078	EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	940.49		388.40
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.68		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.02		
26 05 36 00-1079	EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	979.24		409.78
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.77		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.96		
26 05 36 00-1080	EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,082.76		434.55
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.07		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.14		
26 05 36 00-1081	EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,190.97		491.92
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.10		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.55		
26 05 36 00-1082	EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,314.49		526.84
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.55		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.72		
26 05 36 00-1083	EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,492.81		568.37
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.92		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	74.64		
26 05 36 00-1084 24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1085	EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,191.26		409.78
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.97		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.56		
26 05 36 00-1086	EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,248.01		434.55
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.59		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	62.40		
26 05 36 00-1087	EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,308.51		461.46
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.40		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.43		
26 05 36 00-1088	EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,387.40		491.92
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.74		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.37		
26 05 36 00-1089	EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,564.52		568.37
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.09		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	78.23		
26 05 36 00-1090	EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,686.48		615.28
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.37		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	84.32		
26 05 36 00-1091	EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,863.08		670.66
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.41		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	93.15		
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1093	EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,367.75		461.46
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.32		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	68.39		
26 05 36 00-1094	EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,443.53		491.92
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.36		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	72.18		
26 05 36 00-1095	EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,538.98		526.84
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.00		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	76.95		
26 05 36 00-1096	EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,651.82		568.37
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.82		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	82.59		
26 05 36 00-1097	EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,990.91		670.66
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.20		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	99.55		
26 05 36 00-1098	EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,195.16		737.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.09		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	109.76		
26 05 36 00-1099	EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,444.21		821.10
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-176.00		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	122.21		
26 05 36 00-1100 12" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1101	EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	880.30		369.17
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.27		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.02		
26 05 36 00-1102	EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	940.71		388.56
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.69		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.04		
26 05 36 00-1103	EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	979.12		409.78
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.77		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.96		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,083.04 -72.08 54.15	434.70
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,190.97 -78.10 59.55	491.92
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,314.89 -87.57 65.74	526.99
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,491.65 -101.86 74.58	567.60
26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,191.26 -84.97 59.56	409.78
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,248.01 -88.59 62.40	434.55
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,308.51 -92.40 65.43	461.46
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,387.40 -97.74 69.37	491.92
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,564.52 -109.09 78.23	568.37
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,686.48 -117.37 84.32	615.28
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,863.08 -130.41 93.15	670.66
26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,637.14 -125.26 81.86	461.46
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,724.14 -131.42 86.21	491.92
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,836.43 -139.74 91.82	526.84
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,968.92 -149.53 98.45	568.37
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,383.77 -182.48 119.19	670.66
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,630.11 -201.58 131.51	737.12
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,928.27 -224.40 146.41	821.10
26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	359.69 -23.12 17.98	154.28
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	398.11 -25.17 19.91	175.67
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	448.41 -28.66 22.42	194.28
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	537.16 -33.87 26.86	238.12
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	629.71 -40.19 31.49	273.34
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	697.21 -44.08 34.86	307.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	809.48	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.47	
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	449.31	160.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.47	
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	497.07	184.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.85	
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	540.60	205.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.03	
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	640.11	254.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.01	
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	728.83	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.44	
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	817.48	335.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.87	
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	938.41	388.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.92	
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	479.54	167.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.98	
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	528.68	194.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.43	
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	590.75	217.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.54	
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	712.86	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.64	
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	825.85	320.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.29	
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	934.87	369.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.74	
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,089.20	433.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.46	
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	253.87	111.83
<i>For 60 Degree Bend, Deduct</i>	-40.93	
<i>For 30 Degree Bend, Deduct</i>	-74.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.69	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	293.60	134.13
<i>For 60 Degree Bend, Deduct</i>	-45.49	
<i>For 30 Degree Bend, Deduct</i>	-83.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.19	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.68	
26 05 36 00-1152 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	329.12	153.82
<i>For 60 Degree Bend, Deduct</i>	-49.64	
<i>For 30 Degree Bend, Deduct</i>	-91.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.09	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.46	
26 05 36 00-1153 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	409.72	194.43
<i>For 60 Degree Bend, Deduct</i>	-60.69	
<i>For 30 Degree Bend, Deduct</i>	-111.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.49	
26 05 36 00-1154 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	503.38	238.12
<i>For 60 Degree Bend, Deduct</i>	-74.84	
<i>For 30 Degree Bend, Deduct</i>	-137.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.17	
26 05 36 00-1155 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	577.75	273.34
<i>For 60 Degree Bend, Deduct</i>	-85.86	
<i>For 30 Degree Bend, Deduct</i>	-158.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.89	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	662.16	320.87
		<i>For 60 Degree Bend, Deduct</i>	-95.50	
		<i>For 30 Degree Bend, Deduct</i>	-176.99	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.47	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.11	
26 05 36 00-1157		45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	283.13	115.36
		<i>For 60 Degree Bend, Deduct</i>	-49.23	
		<i>For 30 Degree Bend, Deduct</i>	-88.46	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.70	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.16	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	333.12	139.05
		<i>For 60 Degree Bend, Deduct</i>	-56.62	
		<i>For 30 Degree Bend, Deduct</i>	-102.09	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.72	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.66	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	371.54	160.59
		<i>For 60 Degree Bend, Deduct</i>	-61.06	
		<i>For 30 Degree Bend, Deduct</i>	-110.68	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.77	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.58	
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	453.56	205.05
		<i>For 60 Degree Bend, Deduct</i>	-71.05	
		<i>For 30 Degree Bend, Deduct</i>	-129.82	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.26	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.68	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	554.36	254.72
		<i>For 60 Degree Bend, Deduct</i>	-85.32	
		<i>For 30 Degree Bend, Deduct</i>	-156.34	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.21	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.72	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	648.29	295.50
		<i>For 60 Degree Bend, Deduct</i>	-100.69	
		<i>For 30 Degree Bend, Deduct</i>	-184.22	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.21	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.41	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	749.90	351.79
		<i>For 60 Degree Bend, Deduct</i>	-112.64	
		<i>For 30 Degree Bend, Deduct</i>	-207.27	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.68	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.50	
26 05 36 00-1165		45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	320.45	119.06
		<i>For 60 Degree Bend, Deduct</i>	-60.13	
		<i>For 30 Degree Bend, Deduct</i>	-106.83	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.13	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.02	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	365.67	144.59
		<i>For 60 Degree Bend, Deduct</i>	-65.25	
		<i>For 30 Degree Bend, Deduct</i>	-116.79	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.52	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.28	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	407.00	167.82
		<i>For 60 Degree Bend, Deduct</i>	-69.98	
		<i>For 30 Degree Bend, Deduct</i>	-125.96	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.72	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.35	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	502.41	217.20
		<i>For 60 Degree Bend, Deduct</i>	-82.51	
		<i>For 30 Degree Bend, Deduct</i>	-149.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.14	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.12	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	627.12	273.34
		<i>For 60 Degree Bend, Deduct</i>	-102.15	
		<i>For 30 Degree Bend, Deduct</i>	-185.45	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.93	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.36	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	716.72	320.87
		<i>For 60 Degree Bend, Deduct</i>	-113.50	
		<i>For 30 Degree Bend, Deduct</i>	-207.00	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.93	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.84	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	847.47	388.40
		<i>For 60 Degree Bend, Deduct</i>	-130.76	
		<i>For 30 Degree Bend, Deduct</i>	-239.52	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.38	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.37	
26 05 36 00-1173		90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	399.28 -27.11 19.96	153.82
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	443.58 -29.71 22.18	175.67
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	476.99 -31.51 23.85	194.28
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	555.35 -35.69 27.77	238.12
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	621.92 -39.41 31.10	273.34
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	686.81 -43.04 34.34	307.65
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.60 -47.19 38.23	351.17
 26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	422.03 -28.83 21.10	160.44
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	468.74 -31.49 23.44	184.58
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	506.82 -33.59 25.34	205.05
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	598.53 -38.63 29.93	254.72
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	676.87 -43.07 33.84	295.50
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	753.82 -47.43 37.69	335.33
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	855.26 -53.16 42.76	388.40
 26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	518.51 -37.88 25.93	167.66
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	567.93 -40.61 28.40	194.28
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	621.93 -44.09 31.10	217.20
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	725.85 -49.80 36.29	273.34
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	815.45 -54.80 40.77	320.87
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	916.68 -60.90 45.83	369.17
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,037.23 -67.58 51.86	433.78
 26 05 36 00-1197 12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	650.89 -40.47 32.54	295.50
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	703.73 -43.63 35.19	320.87
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	730.44 -45.10 36.52	335.33
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	820.54 -51.29 41.03	369.17

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	909.09	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.76	
For 6" Overall Height Instead Of 4-5/8", Add	45.45	
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	986.63	434.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.45	
For 6" Overall Height Instead Of 4-5/8", Add	49.33	
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,134.33	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.44	
For 6" Overall Height Instead Of 4-5/8", Add	56.72	
26 05 36 00-1205 24" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	805.06	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.76	
For 6" Overall Height Instead Of 4-5/8", Add	40.25	
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	872.02	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.89	
For 6" Overall Height Instead Of 4-5/8", Add	43.60	
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	908.89	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.13	
For 6" Overall Height Instead Of 4-5/8", Add	45.44	
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,002.63	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.11	
For 6" Overall Height Instead Of 4-5/8", Add	50.13	
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,117.28	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.27	
For 6" Overall Height Instead Of 4-5/8", Add	55.86	
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,201.89	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.19	
For 6" Overall Height Instead Of 4-5/8", Add	60.09	
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,531.78	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.82	
For 6" Overall Height Instead Of 4-5/8", Add	76.59	
26 05 36 00-1213 36" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	968.16	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.51	
For 6" Overall Height Instead Of 4-5/8", Add	48.41	
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,039.74	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.60	
For 6" Overall Height Instead Of 4-5/8", Add	51.99	
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,111.76	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.02	
For 6" Overall Height Instead Of 4-5/8", Add	55.59	
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,221.21	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.67	
For 6" Overall Height Instead Of 4-5/8", Add	61.06	
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,376.85	526.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.79	
For 6" Overall Height Instead Of 4-5/8", Add	68.84	
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,578.55	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-110.50	
For 6" Overall Height Instead Of 4-5/8", Add	78.93	
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,819.43	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-126.05	
For 6" Overall Height Instead Of 4-5/8", Add	90.97	
26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1222 EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	811.59	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.38	
For 6" Overall Height Instead Of 4-5/8", Add	40.58	
26 05 36 00-1223 EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	839.95	284.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.32	
For 6" Overall Height Instead Of 4-5/8", Add	42.00	
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	861.35	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.52	
For 6" Overall Height Instead Of 4-5/8", Add	43.07	
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	911.59	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.42	
For 6" Overall Height Instead Of 4-5/8", Add	45.58	
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	966.88	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.74	
For 6" Overall Height Instead Of 4-5/8", Add	48.34	
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,031.00	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.34	
For 6" Overall Height Instead Of 4-5/8", Add	51.55	
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,111.76	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.02	
For 6" Overall Height Instead Of 4-5/8", Add	55.59	
26 05 36 00-1229 24" Radius Vertical Tees (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,095.19 -84.90 54.76	295.50
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,123.33 -86.70 56.17	307.65
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,153.23 -88.58 57.66	320.87
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,222.79 -92.97 61.14	351.79
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,267.45 -95.98 63.37	369.17
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,350.80 -100.93 67.54	409.78
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,496.63 -111.21 74.83	461.46
26 05 36 00-1237 36" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,681.59 -141.42 84.08	320.87
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,720.59 -144.11 86.03	335.33
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,762.74 -146.96 88.14	351.79
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,838.84 -151.51 91.94	388.40
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,889.37 -154.79 94.47	409.78
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,020.10 -163.55 101.01	461.46
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,143.86 -170.49 107.19	526.84
26 05 36 00-1245 12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	836.13 -52.85 41.81	369.17
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	891.64 -56.79 44.58	388.40
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	929.88 -58.84 46.49	409.78
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,023.00 -66.09 51.15	434.55
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,129.14 -71.92 56.46	491.92
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,241.74 -80.28 62.09	526.84
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,401.87 -92.83 70.09	568.37
26 05 36 00-1253 24" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,106.56 -76.50 55.33	409.78
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,160.71 -79.86 58.04	434.55
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,218.61 -83.41 60.93	461.46
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,292.83 -88.29 64.64	491.92

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,461.63	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.80	
For 6" Overall Height Instead Of 4-5/8", Add	73.08	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,576.32	615.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.36	
For 6" Overall Height Instead Of 4-5/8", Add	78.82	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,738.88	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.99	
For 6" Overall Height Instead Of 4-5/8", Add	86.94	
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,267.98	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.34	
For 6" Overall Height Instead Of 4-5/8", Add	63.40	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,339.60	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.96	
For 6" Overall Height Instead Of 4-5/8", Add	66.98	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,428.82	526.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.98	
For 6" Overall Height Instead Of 4-5/8", Add	71.44	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,534.38	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.08	
For 6" Overall Height Instead Of 4-5/8", Add	76.72	
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,845.41	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-128.65	
For 6" Overall Height Instead Of 4-5/8", Add	92.27	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,034.07	737.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-141.98	
For 6" Overall Height Instead Of 4-5/8", Add	101.70	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,264.93	821.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-158.07	
For 6" Overall Height Instead Of 4-5/8", Add	113.25	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	836.13	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.85	
For 6" Overall Height Instead Of 4-5/8", Add	41.81	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	891.64	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.79	
For 6" Overall Height Instead Of 4-5/8", Add	44.58	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	929.88	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.84	
For 6" Overall Height Instead Of 4-5/8", Add	46.49	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,023.00	434.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.09	
For 6" Overall Height Instead Of 4-5/8", Add	51.15	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,129.14	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.92	
For 6" Overall Height Instead Of 4-5/8", Add	56.46	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,241.74	526.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.28	
For 6" Overall Height Instead Of 4-5/8", Add	62.09	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,399.55	566.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.71	
For 6" Overall Height Instead Of 4-5/8", Add	69.98	
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,106.56	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.50	
For 6" Overall Height Instead Of 4-5/8", Add	55.33	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,160.71	434.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.86	
For 6" Overall Height Instead Of 4-5/8", Add	58.04	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,218.61	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.41	
For 6" Overall Height Instead Of 4-5/8", Add	60.93	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,292.83	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.29	
For 6" Overall Height Instead Of 4-5/8", Add	64.64	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,461.63	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.80	
For 6" Overall Height Instead Of 4-5/8", Add	73.08	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,576.32	615.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.36	
For 6" Overall Height Instead Of 4-5/8", Add	78.82	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,738.88	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.99	
For 6" Overall Height Instead Of 4-5/8", Add	86.94	
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,492.47 -110.79 74.62	461.46
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,573.44 -116.35 78.67	491.92
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,676.69 -123.77 83.83	526.84
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,798.63 -132.50 89.93	568.37
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,172.79 -161.38 108.64	670.66
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,396.53 -178.22 119.83	737.12
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,668.31 -198.41 133.42	821.10
26 05 36 00-1293 12" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	352.51 -22.40 17.63	154.28
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	390.74 -24.43 19.54	175.67
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	439.68 -27.78 21.98	194.28
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	527.34 -32.89 26.37	238.12
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	617.53 -38.97 30.88	273.34
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	684.29 -42.79 34.21	307.65
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	793.84 -50.08 39.69	351.63
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	436.58 -30.29 21.83	160.44
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	483.80 -33.01 24.19	184.43
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	526.68 -35.58 26.33	205.05
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	625.01 -41.28 31.25	254.72
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	712.28 -46.61 35.61	295.50
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	799.38 -51.99 39.97	335.33
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	918.04 -59.43 45.90	388.40
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	465.53 -32.58 23.28	167.66
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	514.32 -35.26 25.72	194.12
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	574.74 -39.37 28.74	217.20

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	694.85	273.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.70	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.74	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	805.48	320.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.81	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.27	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	912.50	369.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.49	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.63	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,063.55	433.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.21	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.18	
26 05 36 00-1318		45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	249.14	111.83
		<i>For 60 Degree Bend, Deduct</i>	-39.36	
		<i>For 30 Degree Bend, Deduct</i>	-71.82	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.60	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.46	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	288.69	134.13
		<i>For 60 Degree Bend, Deduct</i>	-43.87	
		<i>For 30 Degree Bend, Deduct</i>	-80.57	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.70	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.43	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	324.03	153.82
		<i>For 60 Degree Bend, Deduct</i>	-47.96	
		<i>For 30 Degree Bend, Deduct</i>	-88.49	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.58	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.20	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	403.72	194.43
		<i>For 60 Degree Bend, Deduct</i>	-58.71	
		<i>For 30 Degree Bend, Deduct</i>	-108.65	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.17	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.19	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	495.92	238.12
		<i>For 60 Degree Bend, Deduct</i>	-72.38	
		<i>For 30 Degree Bend, Deduct</i>	-133.86	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.75	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.80	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	569.20	273.34
		<i>For 60 Degree Bend, Deduct</i>	-83.04	
		<i>For 30 Degree Bend, Deduct</i>	-153.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.14	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.46	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	653.24	320.87
		<i>For 60 Degree Bend, Deduct</i>	-92.56	
		<i>For 30 Degree Bend, Deduct</i>	-172.09	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.58	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.66	
26 05 36 00-1326		45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	276.76	115.36
		<i>For 60 Degree Bend, Deduct</i>	-47.13	
		<i>For 30 Degree Bend, Deduct</i>	-84.95	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.07	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.84	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	326.03	139.05
		<i>For 60 Degree Bend, Deduct</i>	-54.28	
		<i>For 30 Degree Bend, Deduct</i>	-98.19	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.01	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.30	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	364.27	160.59
		<i>For 60 Degree Bend, Deduct</i>	-58.66	
		<i>For 30 Degree Bend, Deduct</i>	-106.69	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.05	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.21	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	445.74	205.05
		<i>For 60 Degree Bend, Deduct</i>	-68.47	
		<i>For 30 Degree Bend, Deduct</i>	-125.52	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.48	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.29	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	545.27	254.72
		<i>For 60 Degree Bend, Deduct</i>	-82.32	
		<i>For 30 Degree Bend, Deduct</i>	-151.34	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.30	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.26	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	637.37	295.50
		<i>For 60 Degree Bend, Deduct</i>	-97.08	
		<i>For 30 Degree Bend, Deduct</i>	-178.22	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.12	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	738.44	351.79
<i>For 60 Degree Bend, Deduct</i>	-108.86	
<i>For 30 Degree Bend, Deduct</i>	-200.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.92	
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	311.90	119.06
<i>For 60 Degree Bend, Deduct</i>	-57.31	
<i>For 30 Degree Bend, Deduct</i>	-102.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.60	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	356.94	144.59
<i>For 60 Degree Bend, Deduct</i>	-62.37	
<i>For 30 Degree Bend, Deduct</i>	-111.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.85	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	398.08	167.82
<i>For 60 Degree Bend, Deduct</i>	-67.04	
<i>For 30 Degree Bend, Deduct</i>	-121.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.90	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	492.59	217.20
<i>For 60 Degree Bend, Deduct</i>	-79.27	
<i>For 30 Degree Bend, Deduct</i>	-144.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.63	
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	615.11	273.34
<i>For 60 Degree Bend, Deduct</i>	-98.19	
<i>For 30 Degree Bend, Deduct</i>	-178.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.76	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	703.99	320.87
<i>For 60 Degree Bend, Deduct</i>	-109.30	
<i>For 30 Degree Bend, Deduct</i>	-200.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.20	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	833.46	388.40
<i>For 60 Degree Bend, Deduct</i>	-126.14	
<i>For 30 Degree Bend, Deduct</i>	-231.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.67	
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	384.98	153.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.25	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	428.51	175.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.43	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	461.66	194.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.08	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	539.50	238.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.98	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	605.29	273.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.26	
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	669.41	307.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.30	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.47	
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	746.67	351.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.33	
26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	406.57	160.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.33	
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	452.63	184.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.63	
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	490.32	205.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.52	
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	581.13	254.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.06	
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	658.42	295.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.92	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	734.33	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.49	
For 6" Overall Height Instead Of 4-5/8", Add	36.72	
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	834.48	388.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.08	
For 6" Overall Height Instead Of 4-5/8", Add	41.72	
26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	494.61	167.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.49	
For 6" Overall Height Instead Of 4-5/8", Add	24.73	
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	543.50	194.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.17	
For 6" Overall Height Instead Of 4-5/8", Add	27.18	
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	595.95	217.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.49	
For 6" Overall Height Instead Of 4-5/8", Add	29.80	
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	698.83	273.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.10	
For 6" Overall Height Instead Of 4-5/8", Add	34.94	
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	787.39	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.00	
For 6" Overall Height Instead Of 4-5/8", Add	39.37	
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	886.54	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.89	
For 6" Overall Height Instead Of 4-5/8", Add	44.33	
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,005.79	433.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.44	
For 6" Overall Height Instead Of 4-5/8", Add	50.29	
26 05 36 00-1366 12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	635.04	295.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.88	
For 6" Overall Height Instead Of 4-5/8", Add	31.75	
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	686.84	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.94	
For 6" Overall Height Instead Of 4-5/8", Add	34.34	
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	713.29	335.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.38	
For 6" Overall Height Instead Of 4-5/8", Add	35.66	
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	800.02	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.24	
For 6" Overall Height Instead Of 4-5/8", Add	40.00	
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	886.49	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.50	
For 6" Overall Height Instead Of 4-5/8", Add	44.32	
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	960.38	434.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.83	
For 6" Overall Height Instead Of 4-5/8", Add	48.02	
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,102.89	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.29	
For 6" Overall Height Instead Of 4-5/8", Add	55.14	
26 05 36 00-1374 24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	778.04	320.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.06	
For 6" Overall Height Instead Of 4-5/8", Add	38.90	
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	843.44	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.03	
For 6" Overall Height Instead Of 4-5/8", Add	42.17	
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	879.53	369.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.19	
For 6" Overall Height Instead Of 4-5/8", Add	43.98	
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	970.67	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.92	
For 6" Overall Height Instead Of 4-5/8", Add	48.53	
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,082.46	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.79	
For 6" Overall Height Instead Of 4-5/8", Add	54.12	
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,163.69	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.37	
For 6" Overall Height Instead Of 4-5/8", Add	58.18	
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,473.32	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.97	
For 6" Overall Height Instead Of 4-5/8", Add	73.67	
26 05 36 00-1382 36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	929.96	351.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.69	
For 6" Overall Height Instead Of 4-5/8", Add	46.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,000.51 -67.68 50.03	388.40
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,068.88 -72.74 53.44	409.78
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,176.00 -79.14 58.80	461.46
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,326.96 -88.80 66.35	526.84
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,515.41 -104.18 75.77	568.37
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,749.27 -119.03 87.46	670.66
26 05 36 00-1390 12" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	776.00 -54.82 38.80	273.34
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	803.31 -56.65 40.17	284.11
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	824.45 -57.83 41.22	295.50
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	873.92 -60.65 43.70	320.87
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	926.09 -64.66 46.30	335.33
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	989.43 -68.18 49.47	369.17
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,068.88 -72.74 53.44	409.78
26 05 36 00-1398 24" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,034.91 -78.87 51.75	295.50
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,062.27 -80.59 53.11	307.65
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,091.39 -82.40 54.57	320.87
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,159.13 -86.60 57.96	351.79
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,202.23 -89.46 60.11	369.17
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,284.02 -94.25 64.20	409.78
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,423.88 -103.93 71.19	461.46
26 05 36 00-1406 36" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,566.92 -129.95 78.35	320.87
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,604.43 -132.50 80.22	335.33
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,645.08 -135.20 82.25	351.79
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,719.70 -139.60 85.99	388.40
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,768.74 -142.72 88.44	409.78

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,895.00 -151.04 94.75	461.46
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,017.27 -157.83 100.86	526.84
26 05 36 00-1414 12" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	814.05 -50.64 40.70	369.17
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	867.21 -54.35 43.36	388.40
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	905.19 -56.37 45.26	409.78
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	993.12 -63.10 49.66	434.55
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,098.22 -68.83 54.91	491.92
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,205.36 -76.64 60.27	526.84
26 05 36 00-1421 EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,356.40 -88.28 67.82	568.37
26 05 36 00-1422 24" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1423 EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,064.21 -72.27 53.21	409.78
26 05 36 00-1424 EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,117.06 -75.50 55.85	434.55
26 05 36 00-1425 EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,173.66 -78.91 58.68	461.46
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,245.54 -83.56 62.28	491.92
26 05 36 00-1427 EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,410.18 -93.66 70.51	568.37
26 05 36 00-1428 EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,521.23 -100.85 76.06	615.28
26 05 36 00-1429 EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,676.78 -111.78 83.84	670.66
26 05 36 00-1430 36" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1431 EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,218.09 -83.35 60.90	461.46
26 05 36 00-1432 EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,287.63 -87.77 64.38	491.92
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,373.73 -93.47 68.69	526.84
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,475.66 -100.21 73.78	568.37
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,772.66 -121.37 88.63	670.66
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,953.52 -133.92 97.68	737.12
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,175.29 -149.10 108.76	821.10
26 05 36 00-1438 12" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	814.05 -50.64 40.70	369.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	867.43	388.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.36	
For 6" Overall Height Instead Of 4-5/8", Add	43.37	
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	905.07	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.36	
For 6" Overall Height Instead Of 4-5/8", Add	45.25	
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	993.40	434.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.12	
For 6" Overall Height Instead Of 4-5/8", Add	49.67	
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,098.22	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.83	
For 6" Overall Height Instead Of 4-5/8", Add	54.91	
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,205.76	526.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.66	
For 6" Overall Height Instead Of 4-5/8", Add	60.29	
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,355.24	567.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.22	
For 6" Overall Height Instead Of 4-5/8", Add	67.76	
26 05 36 00-1446 24" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,064.21	409.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.27	
For 6" Overall Height Instead Of 4-5/8", Add	53.21	
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,117.06	434.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.50	
For 6" Overall Height Instead Of 4-5/8", Add	55.85	
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,173.66	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.91	
For 6" Overall Height Instead Of 4-5/8", Add	58.68	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,245.54	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.56	
For 6" Overall Height Instead Of 4-5/8", Add	62.28	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,410.18	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.66	
For 6" Overall Height Instead Of 4-5/8", Add	70.51	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,521.23	615.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.85	
For 6" Overall Height Instead Of 4-5/8", Add	76.06	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,676.78	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-111.78	
For 6" Overall Height Instead Of 4-5/8", Add	83.84	
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,420.13	461.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.56	
For 6" Overall Height Instead Of 4-5/8", Add	71.01	
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,498.09	491.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.81	
For 6" Overall Height Instead Of 4-5/8", Add	74.90	
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,596.82	526.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-115.78	
For 6" Overall Height Instead Of 4-5/8", Add	79.84	
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,713.48	568.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-123.99	
For 6" Overall Height Instead Of 4-5/8", Add	85.67	
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,067.30	670.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-150.84	
For 6" Overall Height Instead Of 4-5/8", Add	103.37	
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,279.73	737.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-166.54	
For 6" Overall Height Instead Of 4-5/8", Add	113.99	
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,538.33	821.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-185.41	
For 6" Overall Height Instead Of 4-5/8", Add	126.92	
26 05 36 00-1462 Dropout Or End Plates And Reducers <small>(26 05 36 00-0744)</small>		
26 05 36 00-1463 Straight Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464 EA 9" To 6" Reducer, Aluminum Cable Tray.....	306.17	113.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.15	
For 6" Overall Height Instead Of 4-5/8", Add	15.31	
26 05 36 00-1465 EA 12" To 9" Reducer, Aluminum Cable Tray.....	324.40	122.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.20	
For 6" Overall Height Instead Of 4-5/8", Add	16.22	
26 05 36 00-1466 EA 18" To 12" Reducer, Aluminum Cable Tray.....	358.62	141.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.04	
For 6" Overall Height Instead Of 4-5/8", Add	17.93	
26 05 36 00-1467 EA 24" To 18" Reducer, Aluminum Cable Tray.....	398.23	164.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.15	
For 6" Overall Height Instead Of 4-5/8", Add	19.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1468 EA 30" To 24" Reducer, Aluminum Cable Tray	434.97	184.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.11	
For 6" Overall Height Instead Of 4-5/8", Add	21.75	
26 05 36 00-1469 EA 36" To 30" Reducer, Aluminum Cable Tray	486.62	210.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.09	
For 6" Overall Height Instead Of 4-5/8", Add	24.33	
26 05 36 00-1470 Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471 EA 18" To 6" Reducer, Aluminum Cable Tray	358.77	141.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.04	
For 6" Overall Height Instead Of 4-5/8", Add	17.94	
26 05 36 00-1472 EA 24" To 12" Reducer, Aluminum Cable Tray	398.62	164.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.17	
For 6" Overall Height Instead Of 4-5/8", Add	19.93	
26 05 36 00-1473 EA 30" To 12" Reducer, Aluminum Cable Tray	434.72	184.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.10	
For 6" Overall Height Instead Of 4-5/8", Add	21.74	
26 05 36 00-1474 EA 30" To 18" Reducer, Aluminum Cable Tray	437.07	184.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.35	
For 6" Overall Height Instead Of 4-5/8", Add	21.85	
26 05 36 00-1475 EA 36" To 12" Reducer, Aluminum Cable Tray	484.02	210.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.83	
For 6" Overall Height Instead Of 4-5/8", Add	24.20	
26 05 36 00-1476 EA 36" To 18" Reducer, Aluminum Cable Tray	495.86	216.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.55	
For 6" Overall Height Instead Of 4-5/8", Add	24.79	
26 05 36 00-1477 EA 36" To 24" Reducer, Aluminum Cable Tray	512.58	223.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.64	
For 6" Overall Height Instead Of 4-5/8", Add	25.63	
26 05 36 00-1478 Dropout Or End Plate <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479 EA 6" Dropout Or End Plate, Aluminum Cable Tray	92.37	46.15
26 05 36 00-1480 EA 9" Dropout Or End Plate, Aluminum Cable Tray	104.33	52.76
26 05 36 00-1481 EA 12" Dropout Or End Plate, Aluminum Cable Tray	112.53	56.76
26 05 36 00-1482 EA 18" Dropout Or End Plate, Aluminum Cable Tray	135.86	67.07
26 05 36 00-1483 EA 24" Dropout Or End Plate, Aluminum Cable Tray	151.24	73.84
26 05 36 00-1484 EA 30" Dropout Or End Plate, Aluminum Cable Tray	170.28	81.98
26 05 36 00-1485 EA 36" Dropout Or End Plate, Aluminum Cable Tray	191.11	92.29
26 05 36 00-1486 Solid Bottom Cable Tray <small>(26 05 36 00-0001)</small>		
Note: 3-5/8" Height.		
26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488 LF 6" Solid Bottom Steel Cable Tray, Straight Section	35.11	12.00
For 4-5/8" Overall Height Instead Of 3-5/8", Add	3.25	
26 05 36 00-1489 LF 12" Solid Bottom Steel Cable Tray, Straight Section	43.63	14.77
For 4-5/8" Overall Height Instead Of 3-5/8", Add	4.09	
26 05 36 00-1490 LF 18" Solid Bottom Steel Cable Tray, Straight Section	58.79	21.23
For 4-5/8" Overall Height Instead Of 3-5/8", Add	5.28	
26 05 36 00-1491 LF 24" Solid Bottom Steel Cable Tray, Straight Section	67.94	24.30
For 4-5/8" Overall Height Instead Of 3-5/8", Add	6.13	
26 05 36 00-1492 LF 30" Solid Bottom Steel Cable Tray, Straight Section	81.51	29.38
For 4-5/8" Overall Height Instead Of 3-5/8", Add	7.32	
26 05 36 00-1493 LF 36" Solid Bottom Steel Cable Tray, Straight Section	102.63	33.69
For 4-5/8" Overall Height Instead Of 3-5/8", Add	9.78	
26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	370.03	153.98
For 4-5/8" Overall Height Instead Of 3-5/8", Add	29.85	
26 05 36 00-1497 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	488.19	216.58
For 4-5/8" Overall Height Instead Of 3-5/8", Add	37.12	
26 05 36 00-1498 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	600.89	273.34
For 4-5/8" Overall Height Instead Of 3-5/8", Add	44.57	
26 05 36 00-1499 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	736.80	335.80
For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.54	
26 05 36 00-1500 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	859.58	389.17
For 4-5/8" Overall Height Instead Of 3-5/8", Add	64.09	
26 05 36 00-1501 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	964.79	434.55
For 4-5/8" Overall Height Instead Of 3-5/8", Add	72.30	
26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	428.39	160.28
For 4-5/8" Overall Height Instead Of 3-5/8", Add	37.53	
26 05 36 00-1504 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	573.33	230.88
For 4-5/8" Overall Height Instead Of 3-5/8", Add	47.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1505 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	710.29 57.30	295.50
26 05 36 00-1506 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	869.49 68.90	369.17
26 05 36 00-1507 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,020.18 80.74	433.78
26 05 36 00-1508 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,153.59 91.04	491.92
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	515.12 49.36	167.51
26 05 36 00-1511 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	676.41 60.38	246.58
26 05 36 00-1512 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	860.17 75.47	321.33
26 05 36 00-1513 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,034.85 86.92	409.78
26 05 36 00-1514 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,242.11 104.32	491.92
26 05 36 00-1515 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,419.23 118.40	566.83
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	341.83 25.60	153.98
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	456.41 32.35	216.58
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	564.04 39.10	273.04
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	691.73 47.86	335.33
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	806.81 56.17	389.17
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	903.29 63.21	433.78
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	388.29 31.50	160.44
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	525.84 40.42	230.73
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	656.44 49.16	295.80
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	805.94 59.36	369.17
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	947.20 69.66	434.55
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,070.18 78.53	491.92
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	456.51 40.53	167.66
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	571.80 48.51	223.50
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	779.02 63.29	321.33
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	948.12 73.79	410.55
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,136.57 88.49	491.92
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,302.95 100.73	568.37
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	394.32 33.56	153.52
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.34 39.84	216.58
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	603.16 44.91	273.34
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	732.26 53.86	335.80
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	832.34 60.00	389.17
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	913.50 64.74	433.78

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	462.44	160.28
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>42.64</i>	
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	598.30	230.88
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>51.25</i>	
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	723.91	295.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>59.35</i>	
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	867.22	369.17
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>68.56</i>	
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	988.40	433.78
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>75.98</i>	
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	1,110.47	491.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>84.58</i>	
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	544.63	167.51
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>53.79</i>	
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	670.69	223.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>63.27</i>	
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	860.17	321.33
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>75.47</i>	
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,039.39	409.78
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>87.60</i>	
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,208.07	491.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>99.22</i>	
26 05 36 00-1557 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,367.02	566.83
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>110.57</i>	
26 05 36 00-1558 12" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	651.27	295.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>48.45</i>	
26 05 36 00-1560 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	786.80	368.55
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>56.59</i>	
26 05 36 00-1561 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	928.48	434.55
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>66.85</i>	
26 05 36 00-1562 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,109.24	527.91
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>78.39</i>	
26 05 36 00-1563 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,208.19	568.37
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>86.51</i>	
26 05 36 00-1564 EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,417.50	670.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>100.84</i>	
26 05 36 00-1565 24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566 EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	782.24	320.87
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>63.85</i>	
26 05 36 00-1567 EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	971.30	409.78
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>77.39</i>	
26 05 36 00-1568 EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,139.98	491.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>89.00</i>	
26 05 36 00-1569 EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,459.00	615.28
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>116.30</i>	
26 05 36 00-1570 EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,590.00	670.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>126.71</i>	
26 05 36 00-1571 EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,879.21	821.10
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>145.03</i>	
26 05 36 00-1572 36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	974.34	351.79
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>87.53</i>	
26 05 36 00-1574 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,202.63	461.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>103.48</i>	
26 05 36 00-1575 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,419.28	568.37
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>118.18</i>	
26 05 36 00-1576 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,723.91	670.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>146.80</i>	
26 05 36 00-1577 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,890.77	739.57
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>160.36</i>	
26 05 36 00-1578 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,219.14	922.93
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>179.05</i>	
26 05 36 00-1579 12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	753.41	295.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>63.77</i>	
26 05 36 00-1581 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	887.65	369.17
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>71.62</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	959.95 75.69	409.78
26 05 36 00-1583 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,026.99 81.76	433.78
26 05 36 00-1584 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,144.52 89.68	491.92
26 05 36 00-1585 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,283.09 97.75	568.37
26 05 36 00-1586 24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	920.70 84.62	320.87
26 05 36 00-1588 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,087.06 94.76	409.78
26 05 36 00-1589 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,193.55 102.12	461.46
26 05 36 00-1590 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,264.81 107.73	491.92
26 05 36 00-1591 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,435.17 120.56	568.37
26 05 36 00-1592 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,628.58 132.50	670.66
26 05 36 00-1593 36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,186.81 119.49	351.17
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,381.94 130.38	461.46
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,536.21 142.63	526.84
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,628.10 149.50	568.37
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,912.30 175.06	670.66
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,068.41 187.40	737.12
26 05 36 00-1600 12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	805.94 59.36	369.17
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	930.75 67.19	434.55
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,120.84 80.33	526.84
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,297.85 92.13	615.28
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,532.75 107.05	737.12
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,702.17 118.47	821.10
26 05 36 00-1607 24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,031.53 86.30	410.55
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,208.07 99.22	491.92
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,459.00 116.30	615.28
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,788.63 145.04	739.57
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,970.01 158.65	821.10
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,173.74 172.24	922.93
26 05 36 00-1614 36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,336.55 123.57	461.46
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,571.35 140.99	568.37
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,913.47 163.77	739.57
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,174.28 189.29	821.10
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,412.07 207.99	922.93
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,686.55 227.39	1,053.53

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1621 Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622 EA 12" To 6" Reducer, Solid Bottom, Steel Cable Tray.....	316.32	123.05
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>26.94</i>	
26 05 36 00-1623 EA 18" To 12" Reducer, Solid Bottom, Steel Cable Tray.....	345.28	139.05
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>28.61</i>	
26 05 36 00-1624 EA 24" To 18" Reducer, Solid Bottom, Steel Cable Tray.....	385.09	160.28
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>31.06</i>	
26 05 36 00-1625 EA 30" To 24" Reducer, Solid Bottom, Steel Cable Tray.....	434.76	184.58
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>34.45</i>	
26 05 36 00-1626 EA 36" To 30" Reducer, Solid Bottom, Steel Cable Tray.....	472.87	204.74
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>36.81</i>	
26 05 36 00-1627 Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628 EA 18" To 6" Reducer, Solid Bottom, Steel Cable Tray.....	345.42	139.21
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>28.62</i>	
26 05 36 00-1629 EA 24" To 12" Reducer, Solid Bottom, Steel Cable Tray.....	383.37	160.59
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>30.74</i>	
26 05 36 00-1630 EA 30" To 12" Reducer, Solid Bottom, Steel Cable Tray.....	429.97	184.43
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>33.76</i>	
26 05 36 00-1631 EA 30" To 18" Reducer, Solid Bottom, Steel Cable Tray.....	432.00	184.28
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>34.08</i>	
26 05 36 00-1632 EA 36" To 12" Reducer, Solid Bottom, Steel Cable Tray.....	470.60	204.74
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>36.47</i>	
26 05 36 00-1633 EA 36" To 18" Reducer, Solid Bottom, Steel Cable Tray.....	472.87	204.74
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>36.81</i>	
26 05 36 00-1634 EA 36" To 24" Reducer, Solid Bottom, Steel Cable Tray.....	475.75	205.05
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>37.18</i>	
26 05 36 00-1635 Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636 EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	100.06	46.15
26 05 36 00-1637 EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	122.67	56.30
26 05 36 00-1638 EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	142.23	66.76
26 05 36 00-1639 EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	159.48	73.84
26 05 36 00-1640 EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	177.47	81.98
26 05 36 00-1641 EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	197.51	92.29
26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643 LF 6" Solid Bottom Aluminum Cable Tray, Straight Section.....	30.71	9.69
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>2.99</i>	
26 05 36 00-1644 LF 12" Solid Bottom Aluminum Cable Tray, Straight Section.....	37.97	11.38
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>3.81</i>	
26 05 36 00-1645 LF 18" Solid Bottom Aluminum Cable Tray, Straight Section.....	48.67	14.77
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>4.83</i>	
26 05 36 00-1646 LF 24" Solid Bottom Aluminum Cable Tray, Straight Section.....	57.29	16.31
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>5.89</i>	
26 05 36 00-1647 LF 30" Solid Bottom Aluminum Cable Tray, Straight Section.....	70.72	21.08
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>7.10</i>	
26 05 36 00-1648 LF 36" Solid Bottom Steel Aluminum Tray, Straight Section.....	83.29	23.07
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>8.64</i>	
26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	373.43	153.98
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>30.36</i>	
26 05 36 00-1652 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	454.66	193.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>35.88</i>	
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	522.49	217.04
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>42.20</i>	
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	609.39	254.88
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>48.92</i>	
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	717.68	295.80
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>58.35</i>	
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	811.81	335.80
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>65.80</i>	
26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	433.45	160.28
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>38.29</i>	
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	539.39	205.35
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>46.70</i>	
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	609.21	230.73
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>52.93</i>	
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	733.25	273.34
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	<i>64.42</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	851.91 74.38	320.41
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	980.58 85.56	369.17
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	525.64 50.94	167.51
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	658.33 62.51	217.50
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	761.53 73.14	246.58
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	868.01 81.03	295.03
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,011.78 93.15	351.79
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,180.46 108.89	409.16
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	347.89 26.51	153.98
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	425.73 31.54	193.82
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	486.79 36.88	216.89
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	567.87 42.78	254.42
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	668.25 50.94	295.80
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	754.73 57.40	334.87
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	397.07 32.82	160.44
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	495.69 40.17	205.05
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	560.55 45.55	231.19
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	672.18 55.26	273.34
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	783.48 63.96	321.33
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	900.21 73.50	369.17
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	471.80 42.82	167.66
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.55 52.71	217.04
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	684.38 61.57	246.58
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	786.50 68.67	295.80
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	918.15 79.10	351.79
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,073.19 92.55	410.55
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	394.67 33.61	153.52
26 05 36 00-1694 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	467.44 37.80	193.82
26 05 36 00-1695 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	524.32 42.47	217.04
26 05 36 00-1696 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	596.61 47.00	254.88
26 05 36 00-1697 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	675.67 52.05	295.80
26 05 36 00-1698 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	746.26 56.13	334.87
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	464.50 42.95	160.28
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	555.83 49.16	205.35
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	614.69 53.75	230.73
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	705.86 60.32	273.34
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	798.94 66.43	320.41
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	907.52 74.60	369.17
26 05 36 00-1706		90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	538.43 52.86	167.51
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	654.68 61.96	217.50
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	728.66 68.21	246.58
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	822.35 74.18	295.03
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	951.51 84.11	351.79
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,061.74 91.08	409.16
26 05 36 00-1713		12" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	673.21 51.74	295.50
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	777.31 60.78	334.87
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	861.85 67.75	369.17
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	960.06 75.58	410.55
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,137.75 88.67	491.92
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,390.78 106.07	615.28
26 05 36 00-1720		24" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	832.56 71.40	320.87
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	951.35 81.17	369.17
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,062.95 91.14	409.78
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,285.69 110.86	491.92
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,555.16 130.73	615.28
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,714.76 145.10	672.66
26 05 36 00-1727		36" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,070.23 101.91	351.79
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,212.72 113.60	409.78
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,380.98 130.24	461.46
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,657.18 154.09	566.83
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,017.93 179.44	739.57
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,245.23 199.93	821.10
26 05 36 00-1734		12" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	749.92 63.25	295.50
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	821.96 67.40	335.33
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	859.29 70.36	351.17
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	906.54 74.55	368.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,000.85 81.82	409.78
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,156.01 91.41	491.92
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	914.75 83.73	320.87
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,017.11 91.04	369.17
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,076.62 96.75	388.40
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,148.79 104.01	409.78
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,280.52 115.17	461.46
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,483.66 128.06	566.83
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,178.93 118.31	351.17
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,295.66 126.88	404.86
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,380.37 134.77	433.78
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,444.91 139.83	461.46
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,608.57 153.49	526.84
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,198.26 67.95	670.66
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	789.09 62.47	335.33
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	874.64 69.67	369.17
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,018.73 80.53	433.78
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,214.05 94.31	526.84
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,324.76 104.23	566.83
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,541.24 119.07	672.66
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,018.11 91.09	369.78
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,148.79 104.01	409.78
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,325.88 116.89	491.92
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,640.09 143.19	616.98
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,796.95 157.43	672.66
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,071.71 173.90	821.10
26 05 36 00-1769 36" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,367.97 136.89	409.78
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,508.83 149.41	461.46
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,769.09 170.65	568.37
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,127.52 195.87	739.57
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,336.55 213.63	821.10
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,670.63 246.77	922.93
26 05 36 00-1776 Straight Reducers <small>(26 05 36 00-1649)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1777 EA 12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	289.16 25.78	105.52
26 05 36 00-1778 EA 18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	321.66 27.77	122.90
26 05 36 00-1779 EA 24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	355.99 30.22	139.05
26 05 36 00-1780 EA 30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	402.59 33.65	160.44
26 05 36 00-1781 EA 36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	449.63 36.73	184.28
26 05 36 00-1782 Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783 EA 18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	319.95 27.50	122.90
26 05 36 00-1784 EA 24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	354.59 29.97	139.36
26 05 36 00-1785 EA 30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	398.75 33.09	160.28
26 05 36 00-1786 EA 30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	400.39 33.35	160.28
26 05 36 00-1787 EA 36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	449.63 36.73	184.28
26 05 36 00-1788 EA 36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	451.45 37.00	184.28
26 05 36 00-1789 EA 36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	455.59 37.57	184.58
26 05 36 00-1790 Dropout Or End Plate <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791 EA 6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	100.01	46.15
26 05 36 00-1792 EA 12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	119.96	56.30
26 05 36 00-1793 EA 18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	142.59	66.76
26 05 36 00-1794 EA 24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	157.48	73.84
26 05 36 00-1795 EA 30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	176.79	81.98
26 05 36 00-1796 EA 36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	200.40	92.29
26 05 36 00-1797 Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 6" Height.		
26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799 LF 6" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	46.88 -3.34	16.15
26 05 36 00-1800 LF 12" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	55.00 -3.97	18.46
26 05 36 00-1801 LF 18" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	64.64 -4.69	21.23
26 05 36 00-1802 LF 24" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	74.17 -5.39	24.30
26 05 36 00-1803 LF 30" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	97.19 -7.27	29.38
26 05 36 00-1804 LF 36" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	115.52 -8.47	36.91
26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	446.62 -28.46	194.43
26 05 36 00-1808 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	584.05 -36.48	263.04
26 05 36 00-1809 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	726.29 -44.68	335.33
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	890.57 -54.84	410.55
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,004.46 -61.91	462.39
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,150.49 -71.05	527.91
26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	522.63 -35.19	204.89
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	682.20 -44.54	284.11
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	867.44 -55.98	369.17
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,053.36 -66.88	461.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,122.35 -72.51	476.69
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,406.01 -89.33	615.28
26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	631.58 -45.10	216.58
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	822.90 -56.62	308.11
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,055.62 -71.35	410.55
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,269.97 -83.10	526.84
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,465.61 -95.29	615.28
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,719.17 -110.49	737.12
26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	419.91 -25.78	194.58
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	552.02 -33.28	263.04
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	688.66 -40.96	334.87
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	843.96 -50.24	409.78
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	953.02 -56.77	462.39
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,088.97 -65.00	526.84
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	483.09 -31.22	205.05
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	636.30 -39.95	284.11
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	812.96 -50.48	369.78
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	990.83 -60.63	461.46
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,135.68 -69.57	527.91
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,322.30 -80.96	615.28
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	572.75 -39.19	217.04
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	753.44 -49.74	307.19
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	973.92 -63.18	410.55
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,185.75 -74.58	527.91
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,368.78 -85.60	615.28
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,615.18 -99.89	739.57
26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	481.32 -31.97	193.82
26 05 36 00-1850 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	614.99 -39.58	263.04
26 05 36 00-1851 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	737.75 -45.83	335.33
26 05 36 00-1852 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	888.28 -54.62	410.55
26 05 36 00-1853 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	979.25 -59.39	462.39
26 05 36 00-1854 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,098.05 -65.91	526.84
26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	568.47 -39.77	204.89
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	714.29 -47.75	284.11
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	881.19 -57.36	369.17
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,044.19 -65.96	461.46
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,187.45 -74.85	526.84
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,348.70 -83.60	615.28
26 05 36 00-1862		90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	668.26 -48.77	216.58
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	838.95 -58.22	308.11
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,046.45 -70.43	410.55
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,265.39 -82.64	526.84
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,422.06 -90.93	615.28
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,668.73 -105.44	737.12
26 05 36 00-1869		12" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	800.96 -49.33	369.17
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	973.88 -59.01	460.54
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,113.81 -67.38	527.91
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,295.98 -78.32	615.28
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,427.36 -86.84	670.66
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,567.87 -95.36	737.12
26 05 36 00-1876		24" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	990.22 -64.87	409.78
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,212.67 -77.37	526.84
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,399.14 -88.64	615.28
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,714.58 -110.03	737.12
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,895.76 -121.15	821.10
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,120.47 -135.14	922.93
26 05 36 00-1883		36" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,209.24 -82.47	461.46
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,527.51 -101.48	615.28
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,780.42 -116.42	739.57
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,198.41 -142.93	922.93
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,463.18 -158.12	1,058.45
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,870.75 -184.80	1,227.34
26 05 36 00-1890		12" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	924.75 -61.77	369.17
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,083.16 -69.86	461.46
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,140.87 -73.09	491.92
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,217.25 -77.83	526.84



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1895	EA			30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,307.07 -83.35	568.37
26 05 36 00-1896	EA			36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,484.67 -92.57	670.66
26 05 36 00-1897				24" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898	EA			6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,097.96 -75.64	409.78
26 05 36 00-1899	EA			12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,313.53 -87.45	526.84
26 05 36 00-1900	EA			18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,403.35 -92.98	568.37
26 05 36 00-1901	EA			24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,516.05 -100.33	615.28
26 05 36 00-1902	EA			30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,633.67 -107.47	670.66
26 05 36 00-1903	EA			36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,927.86 -124.36	821.10
26 05 36 00-1904				36" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905	EA			6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,427.77 -104.40	460.54
26 05 36 00-1906	EA			12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,701.73 -118.90	615.28
26 05 36 00-1907	EA			18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,817.06 -125.81	670.66
26 05 36 00-1908	EA			24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,977.56 -136.13	739.57
26 05 36 00-1909	EA			30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,228.16 -154.39	821.10
26 05 36 00-1910	EA			36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,627.05 -174.91	1,053.53
26 05 36 00-1911				12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912	EA			6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,007.52 -62.30	461.46
26 05 36 00-1913	EA			12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,120.69 -68.07	527.91
26 05 36 00-1914	EA			18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,293.69 -78.10	615.28
26 05 36 00-1915	EA			24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,510.56 -89.63	737.12
26 05 36 00-1916	EA			30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,680.02 -99.82	818.18
26 05 36 00-1917	EA			36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,893.53 -112.44	922.93
26 05 36 00-1918				24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919	EA			6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,253.65 -81.37	527.91
26 05 36 00-1920	EA			12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,417.47 -90.47	615.28
26 05 36 00-1921	EA			18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,659.56 -104.53	737.12
26 05 36 00-1922	EA			24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,086.09 -131.70	922.93
26 05 36 00-1923	EA			30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,361.13 -148.32	1,053.53
26 05 36 00-1924	EA			36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,687.36 -166.46	1,227.34
26 05 36 00-1925				36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926	EA			6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,655.88 -114.31	615.28
26 05 36 00-1927	EA			12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,895.03 -127.88	739.57
26 05 36 00-1928	EA			18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,214.46 -144.54	922.93
26 05 36 00-1929	EA			24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,870.23 -184.20	1,233.80
26 05 36 00-1930	EA			30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	3,359.11 -212.66	1,478.99
26 05 36 00-1931	EA			36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	4,039.22 -250.10	1,845.86
26 05 36 00-1932				Straight Reducers <small>(26 05 36 00-1805)</small>		

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1933	EA		12" To 6" Reducer, Vented Bottom, Steel Cable Tray	377.72	157.20
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.67	
26 05 36 00-1934	EA		18" To 12" Reducer, Vented Bottom, Steel Cable Tray	413.01	175.67
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.67	
26 05 36 00-1935	EA		24" To 18" Reducer, Vented Bottom, Steel Cable Tray	469.59	204.74
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.90	
26 05 36 00-1936	EA		30" To 24" Reducer, Vented Bottom, Steel Cable Tray	517.51	230.73
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.52	
26 05 36 00-1937	EA		36" To 30" Reducer, Vented Bottom, Steel Cable Tray	565.65	254.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.39	
26 05 36 00-1938			Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939	EA		18" To 6" Reducer, Vented Bottom, Steel Cable Tray	413.01	175.67
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.67	
26 05 36 00-1940	EA		24" To 12" Reducer, Vented Bottom, Steel Cable Tray	467.91	205.05
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.70	
26 05 36 00-1941	EA		30" To 12" Reducer, Vented Bottom, Steel Cable Tray	514.83	230.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.27	
26 05 36 00-1942	EA		30" To 18" Reducer, Vented Bottom, Steel Cable Tray	516.75	230.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.49	
26 05 36 00-1943	EA		36" To 12" Reducer, Vented Bottom, Steel Cable Tray	563.35	254.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.16	
26 05 36 00-1944	EA		36" To 18" Reducer, Vented Bottom, Steel Cable Tray	565.65	254.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.39	
26 05 36 00-1945	EA		36" To 24" Reducer, Vented Bottom, Steel Cable Tray	568.87	254.72
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.66	
26 05 36 00-1946			Dropout Or End Plate <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947	EA		6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	122.22	56.76
26 05 36 00-1948	EA		12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	144.72	66.61
26 05 36 00-1949	EA		18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	159.56	73.53
26 05 36 00-1950	EA		24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	179.28	81.98
26 05 36 00-1951	EA		30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	199.26	92.14
26 05 36 00-1952	EA		36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	234.08	110.13
26 05 36 00-1953			Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954	LF		6" Vented Bottom Aluminum Cable Tray, Straight Section	40.73	12.00
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.07	
26 05 36 00-1955	LF		9" Vented Bottom Aluminum Cable Tray, Straight Section	45.09	13.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.41	
26 05 36 00-1956	LF		12" Vented Bottom Aluminum Cable Tray, Straight Section	50.46	14.77
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.82	
26 05 36 00-1957	LF		18" Vented Bottom Aluminum Cable Tray, Straight Section	58.53	16.46
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.48	
26 05 36 00-1958	LF		24" Vented Bottom Aluminum Cable Tray, Straight Section	66.89	18.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.17	
26 05 36 00-1959	LF		30" Vented Bottom Aluminum Cable Tray, Straight Section	84.15	21.08
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-6.66	
26 05 36 00-1960	LF		36" Vented Bottom Aluminum Cable Tray, Straight Section	94.12	24.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-7.35	
26 05 36 00-1961			Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1962			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	499.80	194.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.78	
26 05 36 00-1964	EA		9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	542.94	211.05
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.70	
26 05 36 00-1965	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	599.89	237.65
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.19	
26 05 36 00-1966	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	675.97	263.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.65	
26 05 36 00-1967	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	810.79	321.33
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.30	
26 05 36 00-1968	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	955.18	369.78
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.70	
26 05 36 00-1969	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,053.74	410.55
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.16	
26 05 36 00-1970			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	596.34	204.89
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.56	
26 05 36 00-1972	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	722.58	254.72
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.04	
26 05 36 00-1973	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	817.59	284.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.08	
26 05 36 00-1974	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	977.73	351.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,130.30 -78.94	409.16
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,253.25 -86.87	461.46
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	720.37 -53.98	216.58
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	866.43 -63.83	273.65
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	979.74 -72.30	308.11
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,157.03 -83.33	388.40
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,226.14 -91.25	376.40
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,527.75 -108.88	526.84
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	461.39 -29.93	194.58
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	501.22 -32.51	211.35
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	555.04 -35.70	237.65
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	623.32 -40.41	263.04
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	749.49 -48.21	320.87
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	880.62 -57.25	369.78
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	971.23 -62.97	409.78
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	540.58 -36.97	205.05
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	656.99 -44.48	254.72
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	742.50 -50.54	284.57
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	892.29 -59.92	351.79
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,034.07 -69.19	410.55
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,146.74 -76.22	461.46
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	642.00 -46.11	217.04
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	775.08 -54.75	273.04
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	877.15 -62.04	308.11
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,046.00 -72.18	389.17
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,191.27 -82.92	434.55
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,386.81 -94.68	527.91
26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	537.19 -37.56	193.82
26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	577.65 -40.22	210.58
26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	625.37 -42.74	237.65
26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	675.97 -45.65	263.34
26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	798.05 -53.03	321.33
26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	891.48 -58.33	369.78
26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	960.79 -61.93	409.78

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	629.47 -45.87	204.89
26 05 36 00-2016 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	737.87 -52.56	254.72
26 05 36 00-2017 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	815.04 -57.82	284.11
26 05 36 00-2018 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	932.76 -63.97	351.79
26 05 36 00-2019 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,047.42 -70.59	409.78
26 05 36 00-2020 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,151.33 -76.68	461.46
26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	717.82 -53.73	216.58
26 05 36 00-2023 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	838.40 -61.03	273.65
26 05 36 00-2024 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	941.52 -68.48	308.11
26 05 36 00-2025 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,111.16 -78.75	388.40
26 05 36 00-2026 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,233.83 -87.17	434.55
26 05 36 00-2027 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,402.89 -96.39	526.84
26 05 36 00-2028 12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	882.83 -57.52	369.17
26 05 36 00-2030 EA 9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	922.60 -59.89	388.40
26 05 36 00-2031 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	979.96 -63.90	409.16
26 05 36 00-2032 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,117.19 -73.19	462.39
26 05 36 00-2033 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,275.49 -83.65	526.84
26 05 36 00-2034 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,451.02 -93.83	615.28
26 05 36 00-2035 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,602.03 -104.31	670.66
26 05 36 00-2036 24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,090.74 -74.92	409.78
26 05 36 00-2038 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,231.33 -84.75	460.54
26 05 36 00-2039 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,387.61 -94.86	526.84
26 05 36 00-2040 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,659.78 -114.84	613.59
26 05 36 00-2041 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,920.54 -130.43	739.57
26 05 36 00-2042 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,171.18 -148.69	821.10
26 05 36 00-2043 36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,423.98 -103.94	461.46
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,629.68 -119.07	526.84
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,710.08 -128.19	513.92
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,222.37 -160.81	737.12
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,601.86 -182.97	926.62
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,979.05 -210.11	1,053.53
26 05 36 00-2050 12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	982.21 -67.46	369.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,016.88	388.40
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.32	
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,080.55	409.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.90	
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,124.26	434.55
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.22	
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,177.82	460.54
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.40	
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,248.03	491.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-83.81	
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,390.77	566.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-91.83	
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,202.86	409.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-86.13	
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,328.16	460.54
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.44	
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,418.75	491.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-100.88	
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,515.01	526.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-107.60	
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,632.85	566.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-116.04	
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,821.89	672.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-126.13	
26 05 36 00-2065 36" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,570.23	460.54
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-118.64	
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,731.60	526.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-129.26	
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,823.95	566.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-135.15	
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,971.03	616.98
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-145.69	
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,140.40	672.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-157.98	
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,433.88	818.18
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-175.20	
26 05 36 00-2072 12" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,016.84	409.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.53	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,080.94	434.55
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.88	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,137.57	462.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.23	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,262.75	526.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.38	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,450.84	613.59
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-93.95	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,634.46	668.82
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-107.71	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,995.36	821.10
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-131.11	
26 05 36 00-2080 24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,369.45	462.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-98.41	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,532.85	526.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-109.39	
26 05 36 00-2083 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,728.58	613.59
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-121.72	
26 05 36 00-2084 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	2,044.00	737.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-142.97	
26 05 36 00-2085 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	2,242.77	818.18
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-156.09	
26 05 36 00-2086 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	2,749.72	1,053.53
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-187.17	
26 05 36 00-2087 36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,859.01	526.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-142.00	
26 05 36 00-2089 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,072.95	616.98
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-155.88	
26 05 36 00-2090 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,362.52	737.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-174.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,856.68 -208.45	926.62
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	3,190.96 -230.90	1,058.45
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	3,701.78 -267.90	1,227.34
26 05 36 00-2094 Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095 EA 9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	368.29 -26.57	123.05
26 05 36 00-2096 EA 12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	386.76 -27.87	129.68
26 05 36 00-2097 EA 18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	439.67 -31.16	153.67
26 05 36 00-2098 EA 24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	488.65 -34.24	175.51
26 05 36 00-2099 EA 30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	543.13 -37.22	205.05
26 05 36 00-2100 EA 36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	592.74 -40.08	230.27
26 05 36 00-2101 Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102 EA 12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	386.40 -27.86	129.37
26 05 36 00-2103 EA 18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	439.50 -31.15	153.67
26 05 36 00-2104 EA 18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	439.50 -31.15	153.67
26 05 36 00-2105 EA 24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	488.87 -34.25	175.67
26 05 36 00-2106 EA 24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	488.87 -34.25	175.67
26 05 36 00-2107 EA 24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	489.31 -34.28	175.82
26 05 36 00-2108 EA 30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	547.93 -37.72	204.89
26 05 36 00-2109 EA 30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	542.52 -37.19	204.74
26 05 36 00-2110 EA 36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	592.74 -40.08	230.27
26 05 36 00-2111 EA 36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	592.74 -40.08	230.27
26 05 36 00-2112 EA 36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	593.50 -40.12	230.73
26 05 36 00-2113 Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	127.98	56.76
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	139.65	61.99
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	150.41	66.61
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	170.06	73.53
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	194.09	81.98
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	214.80	92.14
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	245.91	105.52
26 05 36 00-2121 Cable Tray Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122 Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123 Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section	11.91	2.76
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	14.32	3.23
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	16.80	3.70
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	22.75	4.92
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	28.98	6.61
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	35.19	8.15
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	178.77	92.45
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	70.34	9.85
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	78.82	11.54
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	85.75	13.69
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	116.32	17.54
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	142.71	22.31
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	171.81	24.76
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	207.46	29.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	107.54	10.92
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	112.92	12.76
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	127.71	15.39
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	158.54	19.53
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	194.66	24.61
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	249.02	28.30
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	289.81	33.53
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	151.07	12.30
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	168.11	14.15
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	182.86	17.54
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	231.32	20.46
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	281.14	28.46
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	330.91	32.15
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	386.95	36.91
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	54.76	9.85
For 60 Degree Bend, Deduct	-14.28	
For 30 Degree Bend, Deduct	-24.35	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	65.07	11.54
For 60 Degree Bend, Deduct	-17.05	
For 30 Degree Bend, Deduct	-29.06	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	73.14	13.69
For 60 Degree Bend, Deduct	-18.91	
For 30 Degree Bend, Deduct	-32.28	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	88.69	16.77
For 60 Degree Bend, Deduct	-22.84	
For 30 Degree Bend, Deduct	-39.00	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	103.49	19.38
For 60 Degree Bend, Deduct	-26.69	
For 30 Degree Bend, Deduct	-45.57	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	120.97	22.31
For 60 Degree Bend, Deduct	-31.34	
For 30 Degree Bend, Deduct	-53.48	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	135.02	24.61
For 60 Degree Bend, Deduct	-35.12	
For 30 Degree Bend, Deduct	-59.90	
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	74.31	10.92
For 60 Degree Bend, Deduct	-20.35	
For 30 Degree Bend, Deduct	-34.52	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	84.27	12.76
For 60 Degree Bend, Deduct	-22.93	
For 30 Degree Bend, Deduct	-38.92	
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	96.76	15.39
For 60 Degree Bend, Deduct	-26.02	
For 30 Degree Bend, Deduct	-44.22	
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	112.19	18.46
For 60 Degree Bend, Deduct	-29.94	
For 30 Degree Bend, Deduct	-50.92	
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	129.21	21.08
For 60 Degree Bend, Deduct	-34.54	
For 30 Degree Bend, Deduct	-58.74	
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	160.32	24.61
For 60 Degree Bend, Deduct	-43.45	
For 30 Degree Bend, Deduct	-73.78	
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	178.03	28.46
For 60 Degree Bend, Deduct	-47.85	
For 30 Degree Bend, Deduct	-81.34	
26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	101.83	12.30
For 60 Degree Bend, Deduct	-28.90	
For 30 Degree Bend, Deduct	-48.85	
26 05 36 00-2173 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	115.38	14.15
For 60 Degree Bend, Deduct	-32.63	
For 30 Degree Bend, Deduct	-55.17	
26 05 36 00-2174 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	130.05	17.54
For 60 Degree Bend, Deduct	-36.20	
For 30 Degree Bend, Deduct	-61.31	
26 05 36 00-2175 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	148.25	19.53
For 60 Degree Bend, Deduct	-41.45	
For 30 Degree Bend, Deduct	-70.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2176 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	180.72 -50.50 -85.49	23.84
26 05 36 00-2177 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	200.96 -55.42 -93.95	28.46
26 05 36 00-2178 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	236.99 -66.41 -112.39	30.76
26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180 EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	61.36	9.85
26 05 36 00-2181 EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	65.07	11.54
26 05 36 00-2182 EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	72.00	13.69
26 05 36 00-2183 EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	84.14	16.77
26 05 36 00-2184 EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	93.49	21.69
26 05 36 00-2185 EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	104.19	24.76
26 05 36 00-2186 EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	130.55	29.53
26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188 EA 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	73.16	10.92
26 05 36 00-2189 EA 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	81.98	12.76
26 05 36 00-2190 EA 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	88.74	15.39
26 05 36 00-2191 EA 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	114.43	18.46
26 05 36 00-2192 EA 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	133.68	23.84
26 05 36 00-2193 EA 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	153.92	28.46
26 05 36 00-2194 EA 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	177.49	33.53
26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196 EA 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	84.60	12.30
26 05 36 00-2197 EA 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	105.07	14.15
26 05 36 00-2198 EA 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	120.96	17.54
26 05 36 00-2199 EA 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	148.25	19.53
26 05 36 00-2200 EA 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	173.85	27.23
26 05 36 00-2201 EA 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	207.12	32.15
26 05 36 00-2202 EA 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	242.53	36.91
26 05 36 00-2203 12" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	108.15	16.00
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	114.43	18.46
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	130.06	21.69
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	155.74	24.61
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	191.79	28.46
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	237.88	40.92
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	285.87	49.07
26 05 36 00-2211 24" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	156.34	16.77
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	179.19	19.53
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	189.72	23.07
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	238.84	26.46
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	349.16	30.76
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	416.24	46.15
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	468.26	56.76
26 05 36 00-2219 36" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	260.75	17.54
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	270.26	20.46
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	302.40	24.61
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	354.63	28.46
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	459.45	33.53
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	525.96	52.91
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	608.97	66.92
26 05 36 00-2227 12" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	157.65	21.69
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	166.83	23.07
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	184.39	24.61
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	217.01	28.46
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	274.49	40.92
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	317.88	49.07
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	362.91	52.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2235 24" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	270.03	23.07
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	293.23	24.61
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	314.49	26.46
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	374.37	30.76
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	471.20	46.15
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	539.20	56.76
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	602.07	61.38
26 05 36 00-2243 36" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	428.48	24.61
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	445.16	26.46
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	469.25	28.46
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	541.97	33.53
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	707.00	52.76
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	776.81	67.22
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	833.68	73.84
26 05 36 00-2251 Reducers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2252 EA 9" To 6" Reducer, Steel Cable Tray Covers.....	70.82	11.54
26 05 36 00-2253 EA 12" To 6" Reducer, Steel Cable Tray Covers.....	76.64	13.69
26 05 36 00-2254 EA 12" To 9" Reducer, Steel Cable Tray Covers.....	76.64	13.69
26 05 36 00-2255 EA 18" To 6" Reducer, Steel Cable Tray Covers.....	85.28	16.77
26 05 36 00-2256 EA 18" To 12" Reducer, Steel Cable Tray Covers.....	85.28	16.77
26 05 36 00-2257 EA 24" To 12" Reducer, Steel Cable Tray Covers.....	104.12	18.46
26 05 36 00-2258 EA 24" To 18" Reducer, Steel Cable Tray Covers.....	110.99	18.46
26 05 36 00-2259 EA 30" To 12" Reducer, Steel Cable Tray Covers.....	108.55	21.08
26 05 36 00-2260 EA 30" To 18" Reducer, Steel Cable Tray Covers.....	115.42	21.08
26 05 36 00-2261 EA 30" To 24" Reducer, Steel Cable Tray Covers.....	120.01	21.08
26 05 36 00-2262 EA 36" To 12" Reducer, Steel Cable Tray Covers.....	125.49	23.07
26 05 36 00-2263 EA 36" To 18" Reducer, Steel Cable Tray Covers.....	127.78	23.07
26 05 36 00-2264 EA 36" To 24" Reducer, Steel Cable Tray Covers.....	130.07	23.07
26 05 36 00-2265 EA 36" To 30" Reducer, Steel Cable Tray Covers.....	131.22	23.07
26 05 36 00-2266 Aluminum Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2267 Ventilated Straight Sections <small>(26 05 36 00-2266)</small>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section	12.30	2.76
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section	14.61	3.23
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section	17.12	3.70
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section	22.78	4.92
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section	29.43	6.61
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section	33.72	8.15
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section	175.46	92.45
26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	66.22	9.85
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	71.13	11.54
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	78.95	13.69
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	102.75	17.54
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	130.27	22.31
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	152.54	24.76
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	185.56	29.53
26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	86.27	10.92
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	105.59	12.76
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	118.71	15.39
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	142.77	19.53
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	177.34	24.61
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	213.84	28.30
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	261.47	33.53
26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	137.21	12.30
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	151.31	14.15
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	174.19	17.54
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	207.22	20.46
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	257.13	28.46
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	295.79	32.15
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	344.78	36.91

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	53.25	9.85
For 60 Degree Bend, Deduct	-13.78	
For 30 Degree Bend, Deduct	-23.52	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	57.07	11.54
For 60 Degree Bend, Deduct	-14.41	
For 30 Degree Bend, Deduct	-24.66	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	65.10	13.69
For 60 Degree Bend, Deduct	-16.26	
For 30 Degree Bend, Deduct	-27.86	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	76.61	16.77
For 60 Degree Bend, Deduct	-18.86	
For 30 Degree Bend, Deduct	-32.36	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	86.50	19.38
For 60 Degree Bend, Deduct	-21.09	
For 30 Degree Bend, Deduct	-36.22	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	105.43	22.31
For 60 Degree Bend, Deduct	-26.21	
For 30 Degree Bend, Deduct	-44.93	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	123.22	24.61
For 60 Degree Bend, Deduct	-31.23	
For 30 Degree Bend, Deduct	-53.41	
26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	60.87	10.92
For 60 Degree Bend, Deduct	-15.91	
For 30 Degree Bend, Deduct	-27.13	
26 05 36 00-2309 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	75.30	12.76
For 60 Degree Bend, Deduct	-19.97	
For 30 Degree Bend, Deduct	-33.98	
26 05 36 00-2310 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	81.94	15.39
For 60 Degree Bend, Deduct	-21.13	
For 30 Degree Bend, Deduct	-36.07	
26 05 36 00-2311 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	98.94	18.46
For 60 Degree Bend, Deduct	-25.56	
For 30 Degree Bend, Deduct	-43.63	
26 05 36 00-2312 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	119.58	21.08
For 60 Degree Bend, Deduct	-31.36	
For 30 Degree Bend, Deduct	-53.44	
26 05 36 00-2313 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	138.45	24.61
For 60 Degree Bend, Deduct	-36.23	
For 30 Degree Bend, Deduct	-61.76	
26 05 36 00-2314 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	159.85	28.46
For 60 Degree Bend, Deduct	-41.86	
For 30 Degree Bend, Deduct	-71.34	
26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2316 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	93.99	12.30
For 60 Degree Bend, Deduct	-26.31	
For 30 Degree Bend, Deduct	-44.54	
26 05 36 00-2317 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	103.72	14.15
For 60 Degree Bend, Deduct	-28.78	
For 30 Degree Bend, Deduct	-48.75	
26 05 36 00-2318 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	113.55	17.54
For 60 Degree Bend, Deduct	-30.76	
For 30 Degree Bend, Deduct	-52.24	
26 05 36 00-2319 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	134.15	19.53
For 60 Degree Bend, Deduct	-36.80	
For 30 Degree Bend, Deduct	-62.41	
26 05 36 00-2320 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	163.03	23.84
For 60 Degree Bend, Deduct	-44.66	
For 30 Degree Bend, Deduct	-75.76	
26 05 36 00-2321 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	187.96	28.46
For 60 Degree Bend, Deduct	-51.13	
For 30 Degree Bend, Deduct	-86.80	
26 05 36 00-2322 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	211.37	30.76
For 60 Degree Bend, Deduct	-57.95	
For 30 Degree Bend, Deduct	-98.30	
26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324 EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	58.82	9.85
26 05 36 00-2325 EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	61.94	11.54
26 05 36 00-2326 EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	69.21	13.69
26 05 36 00-2327 EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	82.05	16.77
26 05 36 00-2328 EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	92.42	21.69
26 05 36 00-2329 EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	98.47	24.76
26 05 36 00-2330 EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	118.39	29.53
26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	66.81	10.92
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	74.22	12.76
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	83.02	15.39
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	99.98	18.46
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	115.39	23.84
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	144.65	28.46
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	161.98	33.53
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	76.65	12.30
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	92.91	14.15
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	109.30	17.54
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	129.82	19.53
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	160.12	27.23
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	198.45	32.15
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	217.17	36.91
26 05 36 00-2347 12" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	95.99	16.00
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	104.30	18.46
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	118.26	21.69
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	138.45	24.61
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	170.66	28.46
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	213.16	40.92
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	257.05	49.07
26 05 36 00-2355 24" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	140.45	16.77
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	157.93	19.53
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	179.01	23.07
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	208.38	26.46
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	312.87	30.76
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	366.81	46.15
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	416.89	56.76
26 05 36 00-2363 36" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	234.70	17.54
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	243.96	20.46
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	272.51	24.61
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	309.17	28.46
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	389.09	33.53
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	462.32	52.91
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	533.31	66.92
26 05 36 00-2371 12" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	142.14	21.69
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	150.94	23.07
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	166.57	24.61
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	198.78	28.46
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	243.38	40.92
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	289.42	49.07
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	327.92	52.76
26 05 36 00-2379 24" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	246.15	23.07
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	263.86	24.61
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	284.08	26.46
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	330.18	30.76
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	410.01	46.15
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	483.82	56.76
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	524.11	61.38
26 05 36 00-2387 36" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	374.17	24.61
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	392.24	26.46
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	421.65	28.46
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	466.96	33.53
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	596.36	52.76
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	696.03	67.22
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	761.13	73.84

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2395 Reducers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396 EA 9" To 6" Reducer, Aluminum Cable Tray Covers	72.23	11.54
26 05 36 00-2397 EA 12" To 6" Reducer, Aluminum Cable Tray Covers	77.93	13.69
26 05 36 00-2398 EA 12" To 9" Reducer, Aluminum Cable Tray Covers	77.93	13.69
26 05 36 00-2399 EA 18" To 6" Reducer, Aluminum Cable Tray Covers	88.52	16.77
26 05 36 00-2400 EA 18" To 12" Reducer, Aluminum Cable Tray Covers	88.52	16.77
26 05 36 00-2401 EA 24" To 12" Reducer, Aluminum Cable Tray Covers	97.81	18.46
26 05 36 00-2402 EA 24" To 18" Reducer, Aluminum Cable Tray Covers	106.41	18.46
26 05 36 00-2403 EA 30" To 12" Reducer, Aluminum Cable Tray Covers	113.06	21.08
26 05 36 00-2404 EA 30" To 18" Reducer, Aluminum Cable Tray Covers	116.26	21.08
26 05 36 00-2405 EA 30" To 24" Reducer, Aluminum Cable Tray Covers	118.50	21.08
26 05 36 00-2406 EA 36" To 12" Reducer, Aluminum Cable Tray Covers	124.90	23.07
26 05 36 00-2407 EA 36" To 18" Reducer, Aluminum Cable Tray Covers	127.06	23.07
26 05 36 00-2408 EA 36" To 24" Reducer, Aluminum Cable Tray Covers	128.14	23.07
26 05 36 00-2409 EA 36" To 30" Reducer, Aluminum Cable Tray Covers	129.23	23.07
26 05 36 00-2410 Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411 Straight Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight	12.45	3.70
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight	14.57	4.00
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight	17.89	4.62
26 05 36 00-2415 3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	74.95	26.46
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	84.39	27.38
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	88.63	28.46
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	100.80	29.53
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	96.21	29.53
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	103.94	30.76
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	120.01	32.15
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	146.54	33.53
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	119.03	33.53
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	131.96	35.22
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	147.49	36.91
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	183.96	38.92
26 05 36 00-2428 4" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	84.96	27.38
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	93.22	28.46
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	100.80	29.53
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	114.26	30.76
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	114.26	30.76
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	132.62	32.15
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	145.39	33.53
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	177.80	35.22
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	126.89	32.15
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	139.66	33.53
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	164.05	35.22
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	204.80	36.91
26 05 36 00-2441 6" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	94.20	30.76
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	101.67	32.15
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	111.01	33.53
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	127.37	35.22
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	116.57	32.15
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	135.08	33.53
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	149.15	35.22
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	180.73	36.91
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	129.35	33.53
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	149.15	35.22
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	180.73	36.91
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	218.35	38.92
26 05 36 00-2454 Horizontal Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	81.35	22.31
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	90.36	24.61
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	108.57	27.38
26 05 36 00-2458 Aluminum Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2459 Straight Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight	11.80	3.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	13.81	3.85
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	16.86	4.31
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	66.15	25.53
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	71.94	26.46
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	78.23	27.38
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	88.77	28.46
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	86.70	28.46
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	94.76	29.53
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	108.14	30.76
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	131.15	32.15
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	113.56	32.15
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	133.61	33.53
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	158.99	35.22
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	192.96	36.91
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	77.43	26.46
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	84.34	27.38
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	91.87	28.46
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	102.00	29.53
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	100.97	29.53
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	115.38	30.76
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	129.08	32.15
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	159.48	33.53
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	131.94	30.76
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	157.02	32.15
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	182.25	33.53
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	217.98	35.22
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	85.86	29.53
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	94.69	30.76
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	99.07	32.15
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	109.81	33.53
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	105.04	30.76
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	127.01	32.15
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	136.71	33.53
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	168.30	35.22
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	135.29	32.15
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	165.69	33.53
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	187.96	35.22
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	216.77	36.91
26 05 36 00-2502 Horizontal Dividers (26 05 36 00-2458)		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	72.89	21.08
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	79.86	23.07
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	97.30	25.53
26 05 36 00-2506 Cable Tray Wall Brackets (26 05 36 00-0001)		
26 05 36 00-2507 Wall Brackets (26 05 36 00-2506)		
26 05 36 00-2508 EA 6" Wide Cable Tray Wall Bracket	97.41	30.76
26 05 36 00-2509 EA 9" Wide Cable Tray Wall Bracket	101.04	32.15
26 05 36 00-2510 EA 12" Wide Cable Tray Wall Bracket	110.10	33.53
26 05 36 00-2511 EA 18" Wide Cable Tray Wall Bracket	116.67	35.22
26 05 36 00-2512 EA 24" Wide Cable Tray Wall Bracket	126.20	36.91
26 05 36 00-2513 EA 30" Wide Cable Tray Wall Bracket	147.89	38.92
26 05 36 00-2514 EA 36" Wide Cable Tray Wall Bracket	174.79	41.53
26 05 36 00-2515 Fiberglass Cable Tray (26 05 36 00-0001)		
26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2515)		
Note: Excludes hangers and support system.		
26 05 36 00-2517 Straight Tray Sections (26 05 36 00-2516)		
26 05 36 00-2518 LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.07	4.16
For 9" Rung Spacing, Add	0.28	
For 6" Rung Spacing, Add	1.19	
For 4" Rung Spacing, Add	2.18	
For 18" Rung Spacing, Deduct	-0.20	
For Solid Bottom, Add	3.30	
For Vented Trough Bottom, Add	3.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2519 LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.87	5.08
For 9" Rung Spacing, Add	0.29	
For 6" Rung Spacing, Add	1.23	
For 4" Rung Spacing, Add	2.25	
For 18" Rung Spacing, Deduct	-0.20	
For Solid Bottom, Add	3.61	
For Vented Trough Bottom, Add	4.23	
26 05 36 00-2520 LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	17.64	6.15
For 9" Rung Spacing, Add	0.29	
For 6" Rung Spacing, Add	1.26	
For 4" Rung Spacing, Add	2.31	
For 18" Rung Spacing, Deduct	-0.21	
For Solid Bottom, Add	3.91	
For Vented Trough Bottom, Add	4.52	
26 05 36 00-2521 LF 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	21.35	8.15
For 9" Rung Spacing, Add	0.32	
For 6" Rung Spacing, Add	1.36	
For 4" Rung Spacing, Add	2.49	
For 18" Rung Spacing, Deduct	-0.23	
For Solid Bottom, Add	4.56	
For Vented Trough Bottom, Add	5.15	
26 05 36 00-2522 LF 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	25.04	10.31
For 9" Rung Spacing, Add	0.34	
For 6" Rung Spacing, Add	1.45	
For 4" Rung Spacing, Add	2.65	
For 18" Rung Spacing, Deduct	-0.24	
For Solid Bottom, Add	5.20	
For Vented Trough Bottom, Add	5.78	
26 05 36 00-2523 LF 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	27.39	11.23
For 9" Rung Spacing, Add	0.37	
For 6" Rung Spacing, Add	1.57	
For 4" Rung Spacing, Add	2.88	
For 18" Rung Spacing, Deduct	-0.26	
For Solid Bottom, Add	5.68	
For Vented Trough Bottom, Add	6.30	
26 05 36 00-2524 LF 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	29.79	12.30
For 9" Rung Spacing, Add	0.40	
For 6" Rung Spacing, Add	1.70	
For 4" Rung Spacing, Add	3.12	
For 18" Rung Spacing, Deduct	-0.28	
For Solid Bottom, Add	6.17	
For Vented Trough Bottom, Add	6.84	
26 05 36 00-2525 90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		
26 05 36 00-2526 EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	78.20	30.76
For 9" Rung Spacing, Add	1.12	
For 6" Rung Spacing, Add	4.81	
For 4" Rung Spacing, Add	8.81	
For 18" Rung Spacing, Deduct	-0.80	
For Solid Bottom, Add	16.54	
For Vented Trough Bottom, Add	18.59	
For 60 Degree Bend, Deduct	-15.19	
For 45 Degree Bend, Deduct	-21.02	
For 30 Degree Bend, Deduct	-26.86	
26 05 36 00-2527 EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	87.71	35.84
For 9" Rung Spacing, Add	1.19	
For 6" Rung Spacing, Add	5.08	
For 4" Rung Spacing, Add	9.32	
For 18" Rung Spacing, Deduct	-0.85	
For Solid Bottom, Add	18.24	
For Vented Trough Bottom, Add	20.28	
For 60 Degree Bend, Deduct	-16.56	
For 45 Degree Bend, Deduct	-22.98	
For 30 Degree Bend, Deduct	-29.40	
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	103.40	45.07
For 9" Rung Spacing, Add	1.25	
For 6" Rung Spacing, Add	5.36	
For 4" Rung Spacing, Add	9.82	
For 18" Rung Spacing, Deduct	-0.89	
For Solid Bottom, Add	20.87	
For Vented Trough Bottom, Add	22.75	
For 60 Degree Bend, Deduct	-18.56	
For 45 Degree Bend, Deduct	-25.87	
For 30 Degree Bend, Deduct	-33.18	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	122.55	54.46
For 9" Rung Spacing, Add	1.44	
For 6" Rung Spacing, Add	6.15	
For 4" Rung Spacing, Add	11.28	
For 18" Rung Spacing, Deduct	-1.03	
For Solid Bottom, Add	24.54	
For Vented Trough Bottom, Add	26.60	
For 60 Degree Bend, Deduct	-21.69	
For 45 Degree Bend, Deduct	-30.28	
For 30 Degree Bend, Deduct	-38.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	138.94	62.61
<i>For 9" Rung Spacing, Add</i>	1.58	
<i>For 6" Rung Spacing, Add</i>	6.77	
<i>For 4" Rung Spacing, Add</i>	12.41	
<i>For 18" Rung Spacing, Deduct</i>	-1.13	
<i>For Solid Bottom, Add</i>	27.61	
<i>For Vented Trough Bottom, Add</i>	29.77	
<i>For 60 Degree Bend, Deduct</i>	-24.27	
<i>For 45 Degree Bend, Deduct</i>	-33.92	
<i>For 30 Degree Bend, Deduct</i>	-43.58	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	151.82	66.76
<i>For 9" Rung Spacing, Add</i>	1.81	
<i>For 6" Rung Spacing, Add</i>	7.78	
<i>For 4" Rung Spacing, Add</i>	14.26	
<i>For 18" Rung Spacing, Deduct</i>	-1.30	
<i>For Solid Bottom, Add</i>	30.55	
<i>For Vented Trough Bottom, Add</i>	33.23	
<i>For 60 Degree Bend, Deduct</i>	-27.11	
<i>For 45 Degree Bend, Deduct</i>	-37.81	
<i>For 30 Degree Bend, Deduct</i>	-48.51	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	167.23	71.84
<i>For 9" Rung Spacing, Add</i>	2.08	
<i>For 6" Rung Spacing, Add</i>	8.93	
<i>For 4" Rung Spacing, Add</i>	16.38	
<i>For 18" Rung Spacing, Deduct</i>	-1.49	
<i>For Solid Bottom, Add</i>	34.02	
<i>For Vented Trough Bottom, Add</i>	37.28	
<i>For 60 Degree Bend, Deduct</i>	-30.42	
<i>For 45 Degree Bend, Deduct</i>	-42.35	
<i>For 30 Degree Bend, Deduct</i>	-54.29	
26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	111.66	30.76
<i>For 9" Rung Spacing, Add</i>	2.29	
<i>For 6" Rung Spacing, Add</i>	9.83	
<i>For 4" Rung Spacing, Add</i>	18.02	
<i>For 18" Rung Spacing, Deduct</i>	-1.64	
<i>For Solid Bottom, Add</i>	26.58	
<i>For Vented Trough Bottom, Add</i>	31.98	
<i>For 60 Degree Bend, Deduct</i>	-26.24	
<i>For 45 Degree Bend, Deduct</i>	-35.75	
<i>For 30 Degree Bend, Deduct</i>	-45.26	
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass	120.28	35.84
<i>For 9" Rung Spacing, Add</i>	2.33	
<i>For 6" Rung Spacing, Add</i>	9.97	
<i>For 4" Rung Spacing, Add</i>	18.27	
<i>For 18" Rung Spacing, Deduct</i>	-1.66	
<i>For Solid Bottom, Add</i>	28.01	
<i>For Vented Trough Bottom, Add</i>	33.31	
<i>For 60 Degree Bend, Deduct</i>	-27.31	
<i>For 45 Degree Bend, Deduct</i>	-37.31	
<i>For 30 Degree Bend, Deduct</i>	-47.31	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	135.04	45.07
<i>For 9" Rung Spacing, Add</i>	2.36	
<i>For 6" Rung Spacing, Add</i>	10.10	
<i>For 4" Rung Spacing, Add</i>	18.52	
<i>For 18" Rung Spacing, Deduct</i>	-1.68	
<i>For Solid Bottom, Add</i>	30.36	
<i>For Vented Trough Bottom, Add</i>	35.40	
<i>For 60 Degree Bend, Deduct</i>	-29.00	
<i>For 45 Degree Bend, Deduct</i>	-39.79	
<i>For 30 Degree Bend, Deduct</i>	-50.58	
26 05 36 00-2537 EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	150.92	54.46
<i>For 9" Rung Spacing, Add</i>	2.43	
<i>For 6" Rung Spacing, Add</i>	10.41	
<i>For 4" Rung Spacing, Add</i>	19.09	
<i>For 18" Rung Spacing, Deduct</i>	-1.74	
<i>For Solid Bottom, Add</i>	33.05	
<i>For Vented Trough Bottom, Add</i>	37.95	
<i>For 60 Degree Bend, Deduct</i>	-31.05	
<i>For 45 Degree Bend, Deduct</i>	-42.76	
<i>For 30 Degree Bend, Deduct</i>	-54.47	
26 05 36 00-2538 EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	165.07	62.61
<i>For 9" Rung Spacing, Add</i>	2.49	
<i>For 6" Rung Spacing, Add</i>	10.69	
<i>For 4" Rung Spacing, Add</i>	19.59	
<i>For 18" Rung Spacing, Deduct</i>	-1.78	
<i>For Solid Bottom, Add</i>	35.45	
<i>For Vented Trough Bottom, Add</i>	40.22	
<i>For 60 Degree Bend, Deduct</i>	-32.89	
<i>For 45 Degree Bend, Deduct</i>	-45.42	
<i>For 30 Degree Bend, Deduct</i>	-57.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2539 EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	173.05	66.76
For 9" Rung Spacing, Add	2.56	
For 6" Rung Spacing, Add	10.96	
For 4" Rung Spacing, Add	20.09	
For 18" Rung Spacing, Deduct	-1.83	
For Solid Bottom, Add	36.92	
For Vented Trough Bottom, Add	41.73	
For 60 Degree Bend, Deduct	-34.11	
For 45 Degree Bend, Deduct	-47.15	
For 30 Degree Bend, Deduct	-60.18	
26 05 36 00-2540 EA 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	188.40	71.84
For 9" Rung Spacing, Add	2.83	
For 6" Rung Spacing, Add	12.11	
For 4" Rung Spacing, Add	22.20	
For 18" Rung Spacing, Deduct	-2.02	
For Solid Bottom, Add	40.37	
For Vented Trough Bottom, Add	45.75	
For 60 Degree Bend, Deduct	-37.41	
For 45 Degree Bend, Deduct	-51.67	
For 30 Degree Bend, Deduct	-65.93	
26 05 36 00-2541 Horizontal Tees (26 05 36 00-2516)		
26 05 36 00-2542 EA 6" Horizontal Tee, Fiberglass Cable Tray	171.91	76.91
For 9" Rung Spacing, Add	1.98	
For 6" Rung Spacing, Add	8.48	
For 4" Rung Spacing, Add	15.55	
For 18" Rung Spacing, Deduct	-1.41	
For Solid Bottom, Add	34.27	
For Vented Trough Bottom, Add	37.04	
26 05 36 00-2543 EA 9" Horizontal Tee, Fiberglass Cable Tray	194.15	90.30
For 9" Rung Spacing, Add	2.06	
For 6" Rung Spacing, Add	8.82	
For 4" Rung Spacing, Add	16.16	
For 18" Rung Spacing, Deduct	-1.47	
For Solid Bottom, Add	37.94	
For Vented Trough Bottom, Add	40.43	
26 05 36 00-2544 EA 12" Horizontal Tee, Fiberglass Cable Tray	222.54	107.68
For 9" Rung Spacing, Add	2.14	
For 6" Rung Spacing, Add	9.15	
For 4" Rung Spacing, Add	16.78	
For 18" Rung Spacing, Deduct	-1.53	
For Solid Bottom, Add	42.54	
For Vented Trough Bottom, Add	44.60	
26 05 36 00-2545 EA 18" Horizontal Tee, Fiberglass Cable Tray	248.66	121.06
For 9" Rung Spacing, Add	2.35	
For 6" Rung Spacing, Add	10.07	
For 4" Rung Spacing, Add	18.47	
For 18" Rung Spacing, Deduct	-1.68	
For Solid Bottom, Add	47.37	
For Vented Trough Bottom, Add	49.55	
26 05 36 00-2546 EA 24" Horizontal Tee, Fiberglass Cable Tray	261.25	126.13
For 9" Rung Spacing, Add	2.52	
For 6" Rung Spacing, Add	10.81	
For 4" Rung Spacing, Add	19.81	
For 18" Rung Spacing, Deduct	-1.80	
For Solid Bottom, Add	50.00	
For Vented Trough Bottom, Add	52.47	
26 05 36 00-2547 EA 30" Horizontal Tee, Fiberglass Cable Tray	279.57	133.36
For 9" Rung Spacing, Add	2.79	
For 6" Rung Spacing, Add	11.94	
For 4" Rung Spacing, Add	21.89	
For 18" Rung Spacing, Deduct	-1.99	
For Solid Bottom, Add	53.88	
For Vented Trough Bottom, Add	56.84	
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray	303.30	143.67
For 9" Rung Spacing, Add	3.08	
For 6" Rung Spacing, Add	13.19	
For 4" Rung Spacing, Add	24.18	
For 18" Rung Spacing, Deduct	-2.20	
For Solid Bottom, Add	58.69	
For Vented Trough Bottom, Add	62.10	
26 05 36 00-2549 Horizontal Crosses (26 05 36 00-2516)		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	272.43	133.36
For 9" Rung Spacing, Add	2.54	
For 6" Rung Spacing, Add	10.87	
For 4" Rung Spacing, Add	19.93	
For 18" Rung Spacing, Deduct	-1.81	
For Solid Bottom, Add	51.73	
For Vented Trough Bottom, Add	53.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	289.95	143.67
<i>For 9" Rung Spacing, Add</i>	2.61	
<i>For 6" Rung Spacing, Add</i>	11.19	
<i>For 4" Rung Spacing, Add</i>	20.52	
<i>For 18" Rung Spacing, Deduct</i>	-1.87	
<i>For Solid Bottom, Add</i>	54.68	
<i>For Vented Trough Bottom, Add</i>	56.76	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	307.49	153.98
<i>For 9" Rung Spacing, Add</i>	2.69	
<i>For 6" Rung Spacing, Add</i>	11.51	
<i>For 4" Rung Spacing, Add</i>	21.11	
<i>For 18" Rung Spacing, Deduct</i>	-1.92	
<i>For Solid Bottom, Add</i>	57.64	
<i>For Vented Trough Bottom, Add</i>	59.54	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	328.99	164.13
<i>For 9" Rung Spacing, Add</i>	2.90	
<i>For 6" Rung Spacing, Add</i>	12.43	
<i>For 4" Rung Spacing, Add</i>	22.79	
<i>For 18" Rung Spacing, Deduct</i>	-2.07	
<i>For Solid Bottom, Add</i>	61.78	
<i>For Vented Trough Bottom, Add</i>	63.91	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	349.06	174.43
<i>For 9" Rung Spacing, Add</i>	3.06	
<i>For 6" Rung Spacing, Add</i>	13.13	
<i>For 4" Rung Spacing, Add</i>	24.08	
<i>For 18" Rung Spacing, Deduct</i>	-2.19	
<i>For Solid Bottom, Add</i>	65.49	
<i>For Vented Trough Bottom, Add</i>	67.71	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	372.19	184.74
<i>For 9" Rung Spacing, Add</i>	3.34	
<i>For 6" Rung Spacing, Add</i>	14.30	
<i>For 4" Rung Spacing, Add</i>	26.21	
<i>For 18" Rung Spacing, Deduct</i>	-2.38	
<i>For Solid Bottom, Add</i>	70.13	
<i>For Vented Trough Bottom, Add</i>	72.74	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	402.20	197.97
<i>For 9" Rung Spacing, Add</i>	3.69	
<i>For 6" Rung Spacing, Add</i>	15.80	
<i>For 4" Rung Spacing, Add</i>	28.96	
<i>For 18" Rung Spacing, Deduct</i>	-2.63	
<i>For Solid Bottom, Add</i>	76.13	
<i>For Vented Trough Bottom, Add</i>	79.24	
26 05 36 00-2557 Horizontal Wyes <small>(26 05 36 00-2516)</small>		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	166.18	76.91
<i>For 9" Rung Spacing, Add</i>	1.78	
<i>For 6" Rung Spacing, Add</i>	7.62	
<i>For 4" Rung Spacing, Add</i>	13.98	
<i>For 18" Rung Spacing, Deduct</i>	-1.27	
<i>For Solid Bottom, Add</i>	32.55	
<i>For Vented Trough Bottom, Add</i>	34.75	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	175.94	82.14
<i>For 9" Rung Spacing, Add</i>	1.85	
<i>For 6" Rung Spacing, Add</i>	7.93	
<i>For 4" Rung Spacing, Add</i>	14.54	
<i>For 18" Rung Spacing, Deduct</i>	-1.32	
<i>For Solid Bottom, Add</i>	34.32	
<i>For Vented Trough Bottom, Add</i>	36.53	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	216.42	107.68
<i>For 9" Rung Spacing, Add</i>	1.92	
<i>For 6" Rung Spacing, Add</i>	8.24	
<i>For 4" Rung Spacing, Add</i>	15.10	
<i>For 18" Rung Spacing, Deduct</i>	-1.37	
<i>For Solid Bottom, Add</i>	40.70	
<i>For Vented Trough Bottom, Add</i>	42.15	
26 05 36 00-2561 EA 18" Horizontal Wye, Fiberglass Cable Tray	241.94	121.06
<i>For 9" Rung Spacing, Add</i>	2.11	
<i>For 6" Rung Spacing, Add</i>	9.06	
<i>For 4" Rung Spacing, Add</i>	16.62	
<i>For 18" Rung Spacing, Deduct</i>	-1.51	
<i>For Solid Bottom, Add</i>	45.35	
<i>For Vented Trough Bottom, Add</i>	46.86	
26 05 36 00-2562 EA 24" Horizontal Wye, Fiberglass Cable Tray	253.90	126.13
<i>For 9" Rung Spacing, Add</i>	2.26	
<i>For 6" Rung Spacing, Add</i>	9.71	
<i>For 4" Rung Spacing, Add</i>	17.79	
<i>For 18" Rung Spacing, Deduct</i>	-1.62	
<i>For Solid Bottom, Add</i>	47.79	
<i>For Vented Trough Bottom, Add</i>	49.53	
26 05 36 00-2563 EA 30" Horizontal Wye, Fiberglass Cable Tray	271.61	133.36
<i>For 9" Rung Spacing, Add</i>	2.51	
<i>For 6" Rung Spacing, Add</i>	10.75	
<i>For 4" Rung Spacing, Add</i>	19.70	
<i>For 18" Rung Spacing, Deduct</i>	-1.79	
<i>For Solid Bottom, Add</i>	51.49	
<i>For Vented Trough Bottom, Add</i>	53.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2564 EA 36" Horizontal Wye, Fiberglass Cable Tray	294.51	143.67
For 9" Rung Spacing, Add	2.77	
For 6" Rung Spacing, Add	11.87	
For 4" Rung Spacing, Add	21.77	
For 18" Rung Spacing, Deduct	-1.98	
For Solid Bottom, Add	56.05	
For Vented Trough Bottom, Add	58.58	
26 05 36 00-2565 Straight Reducers (26 05 36 00-2516)		
26 05 36 00-2566 EA 9" To 6" Reducer, Fiberglass Cable Tray	74.92	30.76
For 9" Rung Spacing, Add	1.01	
For 6" Rung Spacing, Add	4.32	
For 4" Rung Spacing, Add	7.91	
For 18" Rung Spacing, Deduct	-0.72	
For Solid Bottom, Add	15.56	
For Vented Trough Bottom, Add	17.28	
26 05 36 00-2567 EA 12" To 9" Reducer, Fiberglass Cable Tray	83.03	35.84
For 9" Rung Spacing, Add	1.02	
For 6" Rung Spacing, Add	4.38	
For 4" Rung Spacing, Add	8.03	
For 18" Rung Spacing, Deduct	-0.73	
For Solid Bottom, Add	16.83	
For Vented Trough Bottom, Add	18.41	
26 05 36 00-2568 EA 18" To 12" Reducer, Fiberglass Cable Tray	91.13	41.07
For 9" Rung Spacing, Add	1.04	
For 6" Rung Spacing, Add	4.44	
For 4" Rung Spacing, Add	8.14	
For 18" Rung Spacing, Deduct	-0.74	
For Solid Bottom, Add	18.11	
For Vented Trough Bottom, Add	19.53	
26 05 36 00-2569 EA 24" To 18" Reducer, Fiberglass Cable Tray	98.30	45.07
For 9" Rung Spacing, Add	1.07	
For 6" Rung Spacing, Add	4.59	
For 4" Rung Spacing, Add	8.42	
For 18" Rung Spacing, Deduct	-0.77	
For Solid Bottom, Add	19.34	
For Vented Trough Bottom, Add	20.71	
26 05 36 00-2570 EA 30" To 24" Reducer, Fiberglass Cable Tray	109.55	49.23
For 9" Rung Spacing, Add	1.25	
For 6" Rung Spacing, Add	5.36	
For 4" Rung Spacing, Add	9.82	
For 18" Rung Spacing, Deduct	-0.89	
For Solid Bottom, Add	21.79	
For Vented Trough Bottom, Add	23.52	
26 05 36 00-2571 EA 36" To 30" Reducer, Fiberglass Cable Tray	123.01	54.46
For 9" Rung Spacing, Add	1.45	
For 6" Rung Spacing, Add	6.22	
For 4" Rung Spacing, Add	11.41	
For 18" Rung Spacing, Deduct	-1.04	
For Solid Bottom, Add	24.68	
For Vented Trough Bottom, Add	26.79	
26 05 36 00-2572 Vertical Tees (26 05 36 00-2516)		
26 05 36 00-2573 EA 6" Vertical Tee, Fiberglass Cable Tray	223.34	76.91
For 9" Rung Spacing, Add	3.78	
For 6" Rung Spacing, Add	16.20	
For 4" Rung Spacing, Add	29.69	
For 18" Rung Spacing, Deduct	-2.70	
For Solid Bottom, Add	49.70	
For Vented Trough Bottom, Add	57.61	
26 05 36 00-2574 EA 9" Vertical Tee, Fiberglass Cable Tray	232.36	82.14
For 9" Rung Spacing, Add	3.83	
For 6" Rung Spacing, Add	16.40	
For 4" Rung Spacing, Add	30.06	
For 18" Rung Spacing, Deduct	-2.73	
For Solid Bottom, Add	51.25	
For Vented Trough Bottom, Add	59.11	
26 05 36 00-2575 EA 12" Vertical Tee, Fiberglass Cable Tray	272.14	107.68
For 9" Rung Spacing, Add	3.87	
For 6" Rung Spacing, Add	16.59	
For 4" Rung Spacing, Add	30.42	
For 18" Rung Spacing, Deduct	-2.77	
For Solid Bottom, Add	57.42	
For Vented Trough Bottom, Add	64.44	
26 05 36 00-2576 EA 18" Vertical Tee, Fiberglass Cable Tray	295.21	121.06
For 9" Rung Spacing, Add	3.98	
For 6" Rung Spacing, Add	17.05	
For 4" Rung Spacing, Add	31.26	
For 18" Rung Spacing, Deduct	-2.84	
For Solid Bottom, Add	61.34	
For Vented Trough Bottom, Add	68.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray	305.75	126.13
For 9" Rung Spacing, Add	4.08	
For 6" Rung Spacing, Add	17.48	
For 4" Rung Spacing, Add	32.05	
For 18" Rung Spacing, Deduct	-2.91	
For Solid Bottom, Add	63.35	
For Vented Trough Bottom, Add	70.27	
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray	319.17	133.36
For 9" Rung Spacing, Add	4.17	
For 6" Rung Spacing, Add	17.88	
For 4" Rung Spacing, Add	32.78	
For 18" Rung Spacing, Deduct	-2.98	
For Solid Bottom, Add	65.76	
For Vented Trough Bottom, Add	72.68	
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray	347.06	143.67
For 9" Rung Spacing, Add	4.61	
For 6" Rung Spacing, Add	19.76	
For 4" Rung Spacing, Add	36.22	
For 18" Rung Spacing, Deduct	-3.29	
For Solid Bottom, Add	71.81	
For Vented Trough Bottom, Add	79.60	
26 05 36 00-2580 Flextray™ Cable Tray (26 05 36 00-0001)		
26 05 36 00-2581 Flextray™ Cable Tray Straight Sections (26 05 36 00-2580)		
Note: Includes splicing and splice bars.		
26 05 36 00-2582 LF 2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.66	9.69
26 05 36 00-2583 LF 2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	47.29	10.34
26 05 36 00-2584 LF 2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.73	10.80
26 05 36 00-2585 LF 2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	52.27	11.35
26 05 36 00-2586 LF 2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	56.16	11.90
26 05 36 00-2587 LF 2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	60.54	12.46
26 05 36 00-2588 LF 2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	61.73	13.01
26 05 36 00-2589 LF 2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	64.19	13.38
26 05 36 00-2590 LF 2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	65.50	13.75
26 05 36 00-2591 LF 4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.95	11.38
26 05 36 00-2592 LF 4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	53.62	11.84
26 05 36 00-2593 LF 4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	58.43	12.46
26 05 36 00-2594 LF 4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	62.14	13.07
26 05 36 00-2595 LF 4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	66.28	13.69
26 05 36 00-2596 LF 4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	71.94	14.30
26 05 36 00-2597 LF 4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	76.44	14.77
26 05 36 00-2598 LF 4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	79.66	15.08
26 05 36 00-2599 LF 4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	103.43	16.15
26 05 36 00-2600 LF 6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	65.06	13.69
26 05 36 00-2601 LF 6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	74.75	14.30
26 05 36 00-2602 LF 6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	78.21	14.92
26 05 36 00-2603 LF 6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	84.63	15.69
26 05 36 00-2604 LF 6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	87.42	16.00
26 05 36 00-2605 LF 6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	109.16	16.46
26 05 36 00-2606 Flextray™ Cable Tray Bends (26 05 36 00-2580)		
Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2607 EA 2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	27.53	7.23
Note: Field Fabricated		
26 05 36 00-2608 EA 2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	35.48	7.69
Note: Field Fabricated		
26 05 36 00-2609 EA 2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	49.73	10.77
Note: Field Fabricated		
26 05 36 00-2610 EA 2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	78.48	17.07
Note: Field Fabricated		
26 05 36 00-2611 EA 2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	112.32	23.84
Note: Field Fabricated		
26 05 36 00-2612 EA 2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	151.39	31.22
Note: Field Fabricated		
26 05 36 00-2613 EA 2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	171.20	39.07
Note: Field Fabricated		
26 05 36 00-2614 EA 2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	203.76	46.91
Note: Field Fabricated		
26 05 36 00-2615 EA 2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	262.04	55.07
Note: Field Fabricated		
26 05 36 00-2616 EA 4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	36.65	8.46
Note: Field Fabricated		
26 05 36 00-2617 EA 4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	53.67	11.84
Note: Field Fabricated		
26 05 36 00-2618 EA 4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	87.61	18.76
Note: Field Fabricated		
26 05 36 00-2619 EA 4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	124.31	26.15
Note: Field Fabricated		
26 05 36 00-2620 EA 4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	165.64	34.30
Note: Field Fabricated		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2621 EA 4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	198.98	42.91
Note: Field Fabricated		
26 05 36 00-2622 EA 4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	241.51	51.53
Note: Field Fabricated		
26 05 36 00-2623 EA 4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	318.65	60.46
Note: Field Fabricated		
26 05 36 00-2624 EA 4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	517.29	80.76
Note: Field Fabricated		
26 05 36 00-2625 EA 6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	97.51	20.46
Note: Field Fabricated		
26 05 36 00-2626 EA 6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	149.56	28.61
Note: Field Fabricated		
26 05 36 00-2627 EA 6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	195.53	37.38
Note: Field Fabricated		
26 05 36 00-2628 EA 6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	233.44	46.91
Note: Field Fabricated		
26 05 36 00-2629 EA 6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	275.63	56.15
Note: Field Fabricated		
26 05 36 00-2630 EA 6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	436.56	65.99
Note: Field Fabricated		
26 05 36 00-2631 Flextray™ Cable Tray Brackets (26 05 36 00-2580)		
26 05 36 00-2632 EA 6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	67.19	20.31
26 05 36 00-2633 EA 8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	72.69	20.31
26 05 36 00-2634 EA 12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	82.08	20.31
26 05 36 00-2635 EA 16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	102.26	22.15
26 05 36 00-2636 EA 18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	110.46	22.15
26 05 36 00-2637 EA 20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	113.21	22.15
26 05 36 00-2638 EA 24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	115.64	22.15
26 05 39 Underfloor Raceways for Electrical Systems (26 05)		
26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	120.74	27.08
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	151.18	31.69
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	197.42	34.30
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	225.64	38.00
26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	301.49	53.83
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	340.15	57.68
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	533.64	53.83
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	370.43	57.68
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	582.50	75.83
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	808.93	82.44
26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	1,207.73	54.46
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,387.88	57.68
26 05 39 00-0020 Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021 90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	144.99	19.84
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	149.14	19.84
26 05 39 00-0024 90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree.....	84.43	19.84
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	86.09	19.84
26 05 39 00-0027 Offset Elbow (26 05 39 00-0020)		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	84.43	23.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	86.09	23.07
26 05 39 00-0030 Couplings (26 05 39 00-0001)		
26 05 39 00-0031 Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling	57.56	30.76
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling	90.63	30.76
26 05 39 00-0034 Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling	122.49	30.76
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling	124.57	32.46
26 05 39 00-0037 Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	108.14	4.62
26 05 39 00-0039 Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040 Combination Support And Coupling (26 05 39 00-0039)		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	132.64	64.60
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	148.37	64.60
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	164.22	64.60
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	148.37	72.30
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	180.42	72.30
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	164.22	76.91
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	164.22	76.91
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	180.42	76.91
26 05 39 00-0049 Duct Support Only (26 05 39 00-0039)		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	118.69	56.91
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	139.47	56.91
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	161.55	56.91
26 05 39 00-0053 Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	29.54	4.62
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	30.35	4.62
26 05 39 00-0057 Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	43.10	7.69
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	45.94	7.69
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	44.69	7.69
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	46.31	7.69
26 05 39 00-0062 Holders And Caps (26 05 39 00-0053)		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories	286.82	64.60
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories	526.74	64.60
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories	3.82	1.54
26 05 39 00-0066 Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan	117.49	8.44

26 05 43 Underground Ducts and Raceways for Electrical Systems (26 05)

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001 Precast Concrete Trenches, One Piece Pedestrian Trench (26 05 43)		
Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002 10" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0003 LF Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	87.63	
26 05 43 00-0004 LF Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	83.74	
26 05 43 00-0005 LF Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	121.71	
26 05 43 00-0006 LF Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	116.31	
26 05 43 00-0007 EA End Wall, 10" Wide x 15" Deep Pedestrian Trench	58.84	
26 05 43 00-0008 EA End Wall, 10" Wide x 24" Deep Pedestrian Trench	69.44	
26 05 43 00-0009 LF Lid, Concrete, 10" Wide Pedestrian Trench	58.42	
26 05 43 00-0010 20" Wide Pedestrian Trench (26 05 43 00-0001)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0011 LF Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	110.91	
26 05 43 00-0012 LF Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	104.04	
26 05 43 00-0013 LF Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	150.11	
26 05 43 00-0014 LF Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	143.85	
26 05 43 00-0015 EA End Wall, 20" Wide x 15" Deep Pedestrian Trench	73.42	
26 05 43 00-0016 EA End Wall, 20" Wide x 24" Deep Pedestrian Trench	107.03	
26 05 43 00-0017 LF Lid, Concrete, 20" Wide Pedestrian Trench	73.06	
26 05 43 00-0018 30" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0019 LF Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	141.22	
26 05 43 00-0020 LF Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	166.40	
26 05 43 00-0021 LF Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	176.79	
26 05 43 00-0022 LF Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	169.66	
26 05 43 00-0023 EA End Wall, 30" Wide x 15" Deep Pedestrian Trench	105.23	
26 05 43 00-0024 EA End Wall, 30" Wide x 24" Deep Pedestrian Trench	143.16	
26 05 43 00-0025 LF Lid, Concrete, 30" Wide Pedestrian Trench	91.26	
26 05 43 00-0026 40" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0027 LF Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	168.95	
26 05 43 00-0028 LF Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	162.46	
26 05 43 00-0029 LF Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	206.76	
26 05 43 00-0030 LF Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	198.82	
26 05 43 00-0031 EA End Wall, 40" Wide x 15" Deep Pedestrian Trench	134.70	
26 05 43 00-0032 EA End Wall, 40" Wide x 24" Deep Pedestrian Trench	183.02	
26 05 43 00-0033 LF Lid, Concrete, 40" Wide Pedestrian Trench	107.77	
26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)		
Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035 10" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0036 LF Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	106.71	
26 05 43 00-0037 LF Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	101.67	
26 05 43 00-0038 LF Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	148.18	
26 05 43 00-0039 LF Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	141.21	
26 05 43 00-0040 EA End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	69.44	
26 05 43 00-0041 EA End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	80.55	
26 05 43 00-0042 LF Lid, Concrete 10" Wide Medium Vehicle Trench	71.14	
26 05 43 00-0043 LF Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	319.85	
26 05 43 00-0044 20" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0045 LF Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	134.21	
26 05 43 00-0046 LF Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	125.34	
26 05 43 00-0047 LF Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	180.82	
26 05 43 00-0048 LF Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	172.73	
26 05 43 00-0049 EA End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	85.69	
26 05 43 00-0050 EA End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	125.08	
26 05 43 00-0051 LF Lid, Concrete 20" Wide Medium Vehicle Trench	88.96	
26 05 43 00-0052 LF Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	424.23	
26 05 43 00-0053 30" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0054 LF Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	134.14	
26 05 43 00-0055 LF Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	161.49	
26 05 43 00-0056 LF Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	211.75	
26 05 43 00-0057 LF Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	202.53	
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	122.17	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	168.22	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench	111.40	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	529.63	
26 05 43 00-0062 40" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	200.72	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	192.34	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	245.73	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	235.45	
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	156.39	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	215.02	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench	131.07	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	720.21	
26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)		
Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072 10" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0073 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	232.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0074 LF Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	221.21	
26 05 43 00-0075 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	290.28	
26 05 43 00-0076 LF Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	276.02	
26 05 43 00-0077 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	223.21	
26 05 43 00-0078 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	212.44	
26 05 43 00-0079 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	280.96	
26 05 43 00-0080 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	267.28	
26 05 43 00-0081 EA End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	153.30	
26 05 43 00-0082 EA End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	207.46	
26 05 43 00-0083 EA End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	138.52	
26 05 43 00-0084 EA End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	192.36	
26 05 43 00-0085 LF Lid, Concrete 10" Wide Road Crossing Trench	107.03	
26 05 43 00-0086 LF Lid, Galvanized Steel 10" Wide Road Crossing Trench	347.16	

26 05 43 00-0087**20" Wide H20 Road Crossing Trench** (26 05 43 00-0071)

26 05 43 00-0088 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	246.04	
26 05 43 00-0089 LF Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	234.44	
26 05 43 00-0090 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	325.27	
26 05 43 00-0091 LF Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	309.75	
26 05 43 00-0092 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	246.04	
26 05 43 00-0093 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	234.44	
26 05 43 00-0094 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	315.95	
26 05 43 00-0095 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	301.01	
26 05 43 00-0096 EA End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	219.02	
26 05 43 00-0097 EA End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	297.93	
26 05 43 00-0098 EA End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	197.50	
26 05 43 00-0099 EA End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	276.40	
26 05 43 00-0100 LF Lid, Concrete 20" Wide Road Crossing Trench	119.22	
26 05 43 00-0101 LF Lid, Galvanized Steel 20" Wide Road Crossing Trench	515.15	

26 05 43 00-0102**30" Wide H20 Road Crossing Trench** (26 05 43 00-0071)

26 05 43 00-0103 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	289.90	
26 05 43 00-0104 LF Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	276.63	
26 05 43 00-0105 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	358.51	
26 05 43 00-0106 LF Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	342.02	
26 05 43 00-0107 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	280.58	
26 05 43 00-0108 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	267.86	
26 05 43 00-0109 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	349.19	
26 05 43 00-0110 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	332.96	
26 05 43 00-0111 EA End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	291.80	
26 05 43 00-0112 EA End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	386.68	
26 05 43 00-0113 EA End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	263.52	
26 05 43 00-0114 EA End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	358.41	
26 05 43 00-0115 LF Lid, Concrete 30" Wide Road Crossing Trench	150.98	
26 05 43 00-0116 LF Lid, Galvanized Steel 30" Wide Road Crossing Trench	646.03	

26 05 43 00-0117**40" Wide H20 Road Crossing Trench** (26 05 43 00-0071)

26 05 43 00-0118 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	319.53	
26 05 43 00-0119 LF Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	305.27	
26 05 43 00-0120 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	393.42	
26 05 43 00-0121 LF Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	375.52	
26 05 43 00-0122 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	310.21	
26 05 43 00-0123 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	296.53	
26 05 43 00-0124 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	384.10	
26 05 43 00-0125 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	366.75	
26 05 43 00-0126 EA End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	362.00	
26 05 43 00-0127 EA End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	479.42	
26 05 43 00-0128 EA End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	327.30	
26 05 43 00-0129 EA End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	444.73	
26 05 43 00-0130 LF Lid, Concrete 40" Wide Road Crossing Trench	182.31	
26 05 43 00-0131 LF Lid, Galvanized Steel 40" Wide Road Crossing Trench	878.59	

26 05 46 Utility Poles for Electrical Systems (26 05)26 05 46 00-0001 Wood Poles (26 05 46)26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

Note: Machine dig and set.

26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set	1,124.13	392.96
For Class 1 Pole, Add	118.32	
For Class 2 Pole, Add	67.61	
For Class 4 Pole, Deduct	-33.81	
For Class 5 Pole, Deduct	-101.42	
For Class 6 Pole, Deduct	-135.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,331.03	436.00
For Class 1 Pole, Add	160.65	
For Class 2 Pole, Add	91.80	
For Class 4 Pole, Deduct	-45.90	
For Class 5 Pole, Deduct	-137.70	
For Class 6 Pole, Deduct	-183.60	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,730.29	576.64
For Class 1 Pole, Add	202.01	
For Class 2 Pole, Add	115.43	
For Class 4 Pole, Deduct	-57.72	
For Class 5 Pole, Deduct	-173.15	
For Class 6 Pole, Deduct	-230.87	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,969.28	634.24
For Class 1 Pole, Add	245.30	
For Class 2 Pole, Add	140.17	
For Class 4 Pole, Deduct	-70.09	
For Class 5 Pole, Deduct	-210.26	
For Class 6 Pole, Deduct	-280.34	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,242.97	706.40
For Class 1 Pole, Add	290.51	
For Class 2 Pole, Add	166.01	
For Class 4 Pole, Deduct	-83.00	
For Class 5 Pole, Deduct	-249.01	
For Class 6 Pole, Deduct	-332.01	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,547.49	792.80
For Class 1 Pole, Add	336.68	
For Class 2 Pole, Add	192.39	
For Class 4 Pole, Deduct	-96.20	
For Class 5 Pole, Deduct	-288.59	
For Class 6 Pole, Deduct	-384.78	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,843.47	872.00
For Class 1 Pole, Add	384.78	
For Class 2 Pole, Add	219.87	
For Class 4 Pole, Deduct	-109.94	
For Class 5 Pole, Deduct	-329.81	
For Class 6 Pole, Deduct	-439.75	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,171.20	958.89
For Class 1 Pole, Add	438.65	
For Class 2 Pole, Add	250.66	
For Class 4 Pole, Deduct	-125.33	
For Class 5 Pole, Deduct	-375.99	
For Class 6 Pole, Deduct	-501.32	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,978.10	1,045.12
For Class 1 Pole, Add	1,010.73	
For Class 2 Pole, Add	577.56	
For Class 4 Pole, Deduct	-288.78	
For Class 5 Pole, Deduct	-866.34	
For Class 6 Pole, Deduct	-1,155.12	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,451.99	1,111.76
For Class 1 Pole, Add	1,129.95	
For Class 2 Pole, Add	645.69	
For Class 4 Pole, Deduct	-322.84	
For Class 5 Pole, Deduct	-968.53	
For Class 6 Pole, Deduct	-1,291.38	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,978.87	1,187.43
For Class 1 Pole, Add	1,261.38	
For Class 2 Pole, Add	720.79	
For Class 4 Pole, Deduct	-360.39	
For Class 5 Pole, Deduct	-1,081.18	
For Class 6 Pole, Deduct	-1,441.57	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....		33.48
26 05 46 00-0016 Crossarms (26 05 46) Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	276.95	117.21
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	335.81	117.21
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	353.10	150.69
26 05 46 00-0021 Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	716.79	326.49
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	762.24	326.49
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	794.51	326.49
26 05 46 00-0025 Fiberglass Crossarms (26 05 46 00-0016) Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle (26 05 46 00-0025)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	289.91	
	26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	371.17	70.32
	26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	387.93	75.35
26 05 46 00-0030				Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
	26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	464.68	90.42
26 05 46 00-0032				Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
	26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	741.86	115.53
	26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	881.42	140.64
	26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	129.01	20.09
	26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket	645.09	100.46
	26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm	521.00	167.43
26 05 46 00-0038				Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039				Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small>		
				Note: Includes hardware.		
	26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	156.63	
	26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	125.31	
	26 05 46 00-0042	EA		Deadend Arms, In Place Mounting	340.30	
	26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	245.59	
26 05 46 00-0044				Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small>		
				Note: Includes hardware.		
	26 05 46 00-0045	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	108.17	
	26 05 46 00-0046	EA		1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	93.01	
	26 05 46 00-0047	EA		Deadend Arms, Grounding Mounting	308.00	
26 05 46 00-0048				Guying <small>(26 05 46)</small>		
				Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049				Down Guy <small>(26 05 46 00-0048)</small>		
	26 05 46 00-0050	EA		Down Guy For 25' To 40' Pole	1,144.26	468.82
	26 05 46 00-0051	EA		Down Guy For 45' To 60' Pole	1,163.95	468.82
	26 05 46 00-0052	EA		Down Guy For 65' To 75' Pole	1,204.44	468.82
	26 05 46 00-0053	EA		Guy Guard, Plastic	45.04	
26 05 46 00-0054				Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		
	26 05 46 00-0055	EA		Head Guy (50' Span), For 25' To 40' Pole	1,656.34	719.97
	26 05 46 00-0056	EA		Head Guy (50' Span), For 45' To 60' Pole	1,656.34	719.97
	26 05 46 00-0057	EA		Head Guy (50' Span), For 65' To 75' Pole	1,656.34	719.97
26 05 46 00-0058				Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small>		
				Note: As required at same material cost and labor.		
	26 05 46 00-0059	EA		Guy Strain Insulator	710.04	351.61
26 05 46 00-0060				Pole Anchor <small>(26 05 46 00-0048)</small>		
				Note: Joslyn.		
	26 05 46 00-0061	EA		Pole Anchor, 4" Helix, 3/4" x 54" Shaft	66.21	27.00
	26 05 46 00-0062	EA		Pole Anchor, 6" Helix, 3/4" x 66" Shaft	75.53	27.00
	26 05 46 00-0063	EA		Pole Anchor, 8" Helix, 1" x 66" Shaft	101.68	30.37
	26 05 46 00-0064	EA		Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	144.36	33.75
	26 05 46 00-0065	EA		Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	165.12	37.13
	26 05 46 00-0066	EA		Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	266.43	50.62
26 05 46 00-0067				Insulators <small>(26 05 46)</small>		
26 05 46 00-0068				Pin Insulator With Pin <small>(26 05 46 00-0067)</small>		
	26 05 46 00-0069	EA		5 KV Class 55-3, Pin Insulator With Pin	222.32	100.46
	26 05 46 00-0070	EA		15 KV Class 55-5, Pin Insulator With Pin	227.37	100.46
26 05 46 00-0071				Suspension Insulator <small>(26 05 46 00-0067)</small>		
				Note: Includes clevis and strain clamp.		
	26 05 46 00-0072	EA		5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	280.20	133.95
	26 05 46 00-0073	EA		15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	293.93	133.95
	26 05 46 00-0074	EA		25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	408.20	167.43
	26 05 46 00-0075	EA		50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	640.86	267.89
26 05 46 00-0076				Spool Insulator With Clevis <small>(26 05 46 00-0067)</small>		

26 Electrical
26 05 Common Work Results for Electrical
26 05 46 Utility Poles for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0077 EA 5 KV Class 53-5, Spool Insulator With Clevis	93.29	41.86
26 05 46 00-0078 EA 15 KV Class, Spool Insulator With Clevis	297.70	150.69
26 05 46 00-0079 EA 25 KV Class, Spool Insulator With Clevis	386.46	150.69
26 05 46 00-0080 Secondary Rack (26 05 46 00-0067)		
26 05 46 00-0081 EA 1 Spool Secondary Rack	185.60	83.71
26 05 46 00-0082 EA 2 Spool Secondary Rack	190.02	106.83
26 05 46 00-0083 EA 3 Spool Secondary Rack	284.72	142.32
26 05 46 00-0084 EA 4 Spool Secondary Rack	320.51	142.32
26 05 46 00-0085 Outdoor Load Break Switches (26 05 46)		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086 7.2 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0087 EA 600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,083.52	569.27
26 05 46 00-0088 EA 1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,826.80	569.27
26 05 46 00-0089 EA 1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,623.59	962.75
26 05 46 00-0090 EA 2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,969.80	962.75
26 05 46 00-0091 14.4 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0092 EA 600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,173.82	569.27
26 05 46 00-0093 EA 1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,576.59	569.27
26 05 46 00-0094 EA 1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,623.59	962.75
26 05 46 00-0095 EA 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,969.80	962.75
26 05 46 00-0096 23 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0097 EA 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,818.72	661.36
26 05 46 00-0098 EA 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,676.57	661.36
26 05 46 00-0099 EA 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,324.06	1,138.55
26 05 46 00-0100 EA 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,681.61	1,138.55
26 05 46 00-0101 Square Distribution Poles (26 05 46)		
26 05 46 00-0102 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0103 EA 20', Steel Taped Shaft Distribution Pole	4,180.59	711.59
26 05 46 00-0104 EA 25', Steel Taped Shaft Distribution Pole	4,675.49	753.45
26 05 46 00-0105 EA 30', Steel Taped Shaft Distribution Pole	5,074.87	837.16
26 05 46 00-0106 EA 35', Steel Taped Shaft Distribution Pole	5,614.88	920.88
26 05 46 00-0107 EA 40', Steel Taped Shaft Distribution Pole	7,587.50	1,004.60
26 05 46 00-0108 Square Prestressed Concrete Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0109 EA 30', Prestressed Concrete Square Pole For Distribution	5,473.49	1,250.21
26 05 46 00-0110 EA 35', Prestressed Concrete Square Pole For Distribution	6,147.67	1,371.20
26 05 46 00-0111 EA 40', Prestressed Concrete Square Pole For Distribution	7,186.75	1,532.52
26 05 46 00-0112 EA 45', Prestressed Concrete Square Pole For Distribution	8,090.44	1,693.84
26 05 46 00-0113 EA 50', Prestressed Concrete Square Pole For Distribution	7,580.86	2,056.80
26 05 46 00-0114 EA 55', Prestressed Concrete Square Pole For Distribution	11,402.54	2,419.76
26 05 46 00-0115 EA 60', Prestressed Concrete Square Pole For Distribution	13,419.27	2,742.40
26 05 46 00-0116 EA 65', Prestressed Concrete Square Pole For Distribution	16,219.88	3,387.67
26 05 46 00-0117 EA 70', Prestressed Concrete Square Pole For Distribution	18,147.73	3,710.31
26 05 46 00-0118 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		
26 05 46 00-0120 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,586.62	627.88
26 05 46 00-0121 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,953.45	669.74
26 05 46 00-0122 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,690.73	753.45
26 05 46 00-0123 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,729.22	837.16
26 05 46 00-0124 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	10,057.47	920.88
26 05 46 00-0125 Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126 Round Tapered Pole (26 05 46 00-0125)		
26 05 46 00-0127 EA 40', Galvanized Steel Tapered Round Pole For Distribution	5,085.88	1,004.60
26 05 46 00-0128 EA 45', Galvanized Steel Tapered Round Pole For Distribution	5,873.27	1,088.32
26 05 46 00-0129 EA 50', Galvanized Steel Tapered Round Pole For Distribution	6,263.36	1,172.03
26 05 46 00-0130 EA 55', Galvanized Steel Tapered Round Pole For Distribution	7,358.17	1,339.47
26 05 46 00-0131 EA 60', Galvanized Steel Tapered Round Pole For Distribution	9,032.97	1,506.90
26 05 46 00-0132 EA 65', Galvanized Steel Tapered Round Pole For Distribution	10,693.02	1,895.48
26 05 46 00-0133 EA 70', Galvanized Steel Tapered Round Pole For Distribution	11,922.28	2,150.36
26 05 46 00-0134 EA 75', Galvanized Steel Tapered Round Pole For Distribution	13,190.24	2,419.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0135 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	14,824.74	2,742.40
26 05 46 00-0136 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	15,833.93	2,903.72
26 05 46 00-0137 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	17,219.27	3,226.35
26 05 46 00-0138 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	18,949.11	3,629.65
26 05 46 00-0139 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	20,979.66	4,113.60
26 05 46 00-0140 12 Sided Tapered <small>(26 05 46 00-0125)</small>		
26 05 46 00-0141 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	8,383.52	1,004.60
26 05 46 00-0142 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,242.35	1,088.32
26 05 46 00-0143 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,220.69	1,172.03
26 05 46 00-0144 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	11,253.03	1,339.47
26 05 46 00-0145 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,835.20	1,506.90
26 05 46 00-0146 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,530.93	1,895.48
26 05 46 00-0147 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,132.73	2,150.36
26 05 46 00-0148 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,627.96	2,419.76
26 05 46 00-0149 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	22,253.13	2,742.40
26 05 46 00-0150 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	23,579.20	2,903.72
26 05 46 00-0151 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	26,742.59	3,226.35
26 05 46 00-0152 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	28,445.75	3,629.65
26 05 46 00-0153 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	30,538.64	4,113.60
26 05 46 00-0154 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	32,765.72	4,597.56
26 05 46 00-0155 Standard Options For Round, 12 Sided and Octagonal Tapered Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0156 EA Ladder Clips.....	23.19	
26 05 46 00-0157 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	173.97	
26 05 46 00-0158 EA Ground Sleeve-2' At Ground Line.....	174.99	
26 05 46 00-0159 Arms With Baseplates And Endplates <small>(26 05 46 00-0125)</small>		
26 05 46 00-0160 EA 4' Arm With Baseplate And Endplate.....	907.57	167.43
26 05 46 00-0161 EA 5' Arm With Baseplate And Endplate.....	985.23	167.43
26 05 46 00-0162 EA 6' Arm With Baseplate And Endplate.....	1,231.62	251.15
26 05 46 00-0163 EA 7' Arm With Baseplate And Endplate.....	1,299.54	251.15
26 05 46 00-0164 EA 8' Arm With Baseplate And Endplate.....	1,543.38	334.87
26 05 46 00-0165 EA 9' Arm With Baseplate And Endplate.....	1,620.99	334.87
26 05 46 00-0166 EA 10' Arm With Baseplate And Endplate.....	2,147.61	418.58
26 05 46 00-0167 EA 11' Arm With Baseplate And Endplate.....	2,234.74	418.58
26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle <small>(26 05 46 00-0125)</small>		
26 05 46 00-0169 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	398.91	167.43
26 05 46 00-0170 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	446.49	167.43
26 05 46 00-0171 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	511.54	167.43
26 05 46 00-0172 Armless Construction Brackets <small>(26 05 46 00-0125)</small>		
26 05 46 00-0173 Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0174 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	406.67	167.43
26 05 46 00-0175 EA 12" 1 Position Vertical Insulation And Equipment Bracket.....	436.71	167.43
26 05 46 00-0176 EA 12" 3 Position Vertical Insulation And Equipment Bracket.....	485.51	167.43
26 05 46 00-0177 EA 18" 1 Position Vertical Insulation And Equipment Bracket.....	684.90	251.15
26 05 46 00-0178 EA 18" 3 Position Vertical Insulation And Equipment Bracket.....	713.40	251.15
26 05 46 00-0179 Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0180 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	383.28	167.43
26 05 46 00-0181 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	446.40	167.43
26 05 46 00-0182 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	654.33	251.15
26 05 46 00-0183 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	803.30	251.15
26 05 46 00-0184 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	1,032.78	334.87
26 05 46 00-0185 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	1,111.84	334.87
26 05 46 00-0186 Pole Top Bracket And Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0187 EA Pole Top Pin - 5".....	392.44	167.43
26 05 46 00-0188 EA Pole Top Bracket - 5".....	407.77	167.43
26 05 46 00-0189 Angle Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0190 EA Angle Pin - 25 Degree, 6".....	390.37	167.43
26 05 46 00-0191 EA Angle Pin - 25 Degree, 7 1/4".....	440.14	167.43
26 05 46 00-0192 Static And Neutral Wire Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0193 EA Neutral Wire Extension Bracket.....	407.18	167.43
26 05 46 00-0194 EA Static Wire Support Bracket.....	412.36	167.43

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0195 Cutout, Arrestor And Terminator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0196 EA Cutout And Arrestor, With Mounting Bracket	369.38	167.43
26 05 46 00-0197 EA Equipment Mounting T Bracket	391.97	167.43
26 05 46 00-0198 EA 15 KV Cutout	495.35	
26 05 46 00-0199 EA 9/10 KV Arrestor	463.58	167.43
26 05 46 00-0200 Spacer Cable, Conduit Support And Cluster Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0201 EA Parallel Cable Spacer	444.39	167.43
26 05 46 00-0202 EA Conduit Standoff Support Bracket	427.85	167.43
26 05 46 00-0203 EA Three Transformer Pole Mounted Cluster Bracket	1,001.64	167.43
26 05 46 00-0204 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch <small>(26 05 46 00-0172)</small>		
Note: Includes pole mounting bracket.		
26 05 46 00-0205 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,237.04	418.58
26 05 46 00-0206 Octagonal Tapered <small>(26 05 46 00-0125)</small>		
26 05 46 00-0207 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution	8,628.61	1,004.60
26 05 46 00-0208 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution	9,514.19	1,088.32
26 05 46 00-0209 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution	10,523.73	1,172.03
26 05 46 00-0210 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution	11,582.80	1,423.19
26 05 46 00-0211 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution	15,289.75	1,506.90
26 05 46 00-0212 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	17,021.14	1,895.48
26 05 46 00-0213 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	19,703.15	2,016.47
26 05 46 00-0214 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	21,236.25	2,419.76
26 05 46 00-0215 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	22,897.06	2,581.09
26 05 46 00-0216 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	24,261.03	2,903.72
26 05 46 00-0217 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	27,520.23	3,065.04
26 05 46 00-0218 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	29,263.50	3,629.65
26 05 46 00-0219 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	31,396.50	3,871.63
26 05 46 00-0220 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	33,668.14	4,355.58
26 05 46 00-0221 Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0222 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	58.59	
26 05 46 00-0223 Special Steel Bases For Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0224 EA Spin-In Steel Base For Poles	325.12	
26 05 46 00-0225 EA Series 3, 25' Pole And less	358.38	83.71
26 05 46 00-0226 EA Series 4, 40' Pole And less	425.94	96.27
26 05 46 00-0227 EA Series 5, 50' Pole And less	485.12	104.65
26 05 53 Identification for Electrical Systems <small>(26 05)</small>		
26 05 53 00-0001 Conduit Markers Pressure-Sensitive <small>(26 05 53)</small>		
Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on	16.48	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on	17.25	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on	18.80	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	19.10	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.41	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on	19.87	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	22.85	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on	23.46	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	23.92	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on	24.40	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	25.36	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on	26.39	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on	27.30	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on	28.21	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on	30.68	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on	32.37	
26 05 53 00-0018 Labeling Existing Electrical Wires <small>(26 05 53)</small>		
Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019 EA Labeling Existing Wire	4.72	
26 05 53 00-0020 Equipment Labeling <small>(26 05 53)</small>		
26 05 53 00-0021 EA Label Both Ends Of One 4 Pair Cable	30.28	
26 05 53 00-0022 EA Label single gang face plate (2 labels required)	24.22	
26 05 53 00-0023 EA Label two gang face plate (4 labels required)	36.33	
26 05 53 00-0024 EA Label both ends of a Siamese (dual 4 Pair cable)	30.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

26 05 83 Wiring Connections (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors** (26 05 83)

26 05 83 00-0002	EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	19.94	6.92
26 05 83 00-0003	EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	21.81	7.69
26 05 83 00-0004	EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	23.50	8.46
26 05 83 00-0005	EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.06	9.23
26 05 83 00-0006	EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	29.12	10.00
26 05 83 00-0007	EA 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	32.24	10.77
26 05 83 00-0008	EA 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	34.53	11.54
26 05 83 00-0009	EA 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	37.58	12.30
26 05 83 00-0010	EA 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	41.62	13.84
26 05 83 00-0011	EA 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	43.68	14.62
26 05 83 00-0012	EA 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	48.40	15.39
26 05 83 00-0013	EA 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	52.55	16.15
26 05 83 00-0014	EA 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	58.64	17.69
26 05 83 00-0015	EA 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	67.90	19.99

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

26 05 83 00-0017	EA #22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	26.37	19.99
26 05 83 00-0018	EA #16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	26.54	19.99
26 05 83 00-0019	EA #12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	30.02	21.54
26 05 83 00-0020	EA #8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	37.00	23.84
26 05 83 00-0021	EA #6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	52.04	30.76
26 05 83 00-0022	EA #4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	61.05	30.76
26 05 83 00-0023	EA #2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	70.24	30.76
26 05 83 00-0024	EA 1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	86.61	46.15
26 05 83 00-0025	EA 2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	101.58	46.15
26 05 83 00-0026	EA 3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	118.88	46.15
26 05 83 00-0027	EA 4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	143.38	61.53
26 05 83 00-0028	EA 250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	170.05	92.29
26 05 83 00-0029	EA 300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	194.52	92.29
26 05 83 00-0030	EA 350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	209.08	92.29
26 05 83 00-0031	EA 400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	227.64	107.68
26 05 83 00-0032	EA 500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	248.84	107.68
26 05 83 00-0033	EA 750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	270.46	123.05
26 05 83 00-0034	EA 1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	317.51	138.44

26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)

26 05 83 00-0036	EA #8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	53.76	26.15
26 05 83 00-0037	EA #6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	57.68	27.84
26 05 83 00-0038	EA #4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	60.85	27.84
26 05 83 00-0039	EA #2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	70.01	32.00
26 05 83 00-0040	EA 1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	86.36	39.99
26 05 83 00-0041	EA 2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	101.33	47.53
26 05 83 00-0042	EA 3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	118.60	55.69
26 05 83 00-0043	EA 4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	143.06	67.53
26 05 83 00-0044	EA 250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	169.68	80.14
26 05 83 00-0045	EA 300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	194.08	91.52
26 05 83 00-0046	EA 350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	208.63	98.60
26 05 83 00-0047	EA 400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	227.11	106.76
26 05 83 00-0048	EA 500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	248.24	116.59
26 05 83 00-0049	EA 750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	271.14	126.44
26 05 83 00-0050	EA 1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	335.19	153.82

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)

26 05 83 00-0052	EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	80.58	61.53
26 05 83 00-0053	EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	88.60	66.15
26 05 83 00-0054	EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	100.98	69.22
26 05 83 00-0055	EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	117.11	76.91
26 05 83 00-0056	EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	138.13	84.60
26 05 83 00-0057	EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	154.45	92.29
26 05 83 00-0058	EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	192.92	99.98
26 05 83 00-0059	EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	206.95	107.68
26 05 83 00-0060	EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	218.07	115.36
26 05 83 00-0061	EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	248.21	126.90
26 05 83 00-0062	EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	278.34	184.58
26 05 83 00-0063	EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	304.66	153.82
26 05 83 00-0064	EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	330.99	207.66
26 05 83 00-0065	EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	366.18	215.35
26 05 83 00-0066	EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	413.60	230.73

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	131.73	61.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.30	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	146.73	61.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.62	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	203.30	92.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.27	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	231.04	92.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.16	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	276.24	115.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.92	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	385.63	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.14	
26 05 83 00-0074 Terminal Blocks <small>(26 05 83)</small>		
Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	1,336.02	569.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	341.83	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	332.65	77.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.65	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	365.99	77.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.15	
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	53.75	27.84
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	57.69	27.84
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	60.85	27.84
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	70.01	32.00
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	86.36	39.99
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	101.33	47.53
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	118.60	55.69
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	143.06	67.53
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	169.68	80.14
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	194.08	91.52
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	208.63	98.60
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	227.10	106.76
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	248.24	116.59
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	248.78	116.59
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	53.75	27.84
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	57.69	27.84
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	60.85	27.84
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	70.01	32.00
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	86.36	39.99
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	101.33	47.53
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	118.60	55.69
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	143.06	67.53
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	169.68	80.14
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	194.08	91.52
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	208.63	98.60
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	227.10	106.76
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	248.24	116.59
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	248.78	116.59
26 05 83 00-0107 Copper Mechanical Lugs <small>(26 05 83)</small>		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs.....	42.66	19.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 83 00-0109 EA #6 Copper Mechanical Lugs.....	51.25	23.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.93	
26 05 83 00-0110 EA #4 Copper Mechanical Lugs.....	59.25	26.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.15	
26 05 83 00-0111 EA #2 Copper Mechanical Lugs.....	77.18	34.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.60	
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs.....	103.92	46.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69	
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs.....	123.33	53.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.16	
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs.....	143.76	61.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs.....	163.24	69.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.40	
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs.....	186.10	76.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.15	
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs.....	208.59	84.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.78	
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs.....	230.97	92.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.37	
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs.....	253.20	99.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.94	
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs.....	275.80	107.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	312.83 73.60	122.59
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	354.01 83.06	138.44
26 05 83 00-0123 Gel Connectors (26 05 83)		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit <i>Note: Kit contains connector, gel filled cap and cap clamp. For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.31 4.62	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.56 5.55	
26 05 83 00-0126 Other Connections (26 05 83)		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.17 4.22	7.02
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.28 4.22	7.02
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39 4.22	7.02
26 05 83 00-0130 Motor/Equipment Connections And Terminations (26 05 83) <i>Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.</i>		
26 05 83 00-0131 AC Single Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.10	38.46
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	90.62	38.46
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	106.57	46.15
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.70	57.68
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.65	57.68
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.84	57.68
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	134.99	57.68
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	173.82	76.91
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	177.34	76.91
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	223.70	96.14
26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	90.62	38.46
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	106.57	46.15
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.70	57.68
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.65	57.68
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.84	57.68
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	134.99	57.68
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	173.82	76.91
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	177.34	76.91
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	223.70	96.14
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	228.46	96.14
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	285.67	115.36
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	292.92	115.36
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	398.11	153.82
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	498.82	192.28
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	589.65	230.73
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	699.48	269.19
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	803.25	307.65
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	998.12	384.55
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,180.27	457.62
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,394.31	533.76
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	2,004.23	800.49
26 05 83 00-0164 AC Three Phase, 460 Volt (26 05 83 00-0130)		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	90.62	38.46
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	106.57	46.15
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.70	57.68
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.65	57.68
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.84	57.68
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	134.99	57.68
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	173.82	76.91
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	177.34	76.91
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	223.70	96.14
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	228.46	96.14
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	285.68	115.36
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	292.91	115.36
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	398.11	153.82
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	499.28	192.59

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	589.65	230.73
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	699.48	269.19
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	803.25	307.65
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	998.12	384.55
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,180.71	457.77
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,394.90	534.07
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	2,005.57	801.11

26 05 83 00-0186 AC Single Phase, 120 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.10	38.46

26 05 83 00-0188 Motor Moisture Sensor <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding.....	1,186.87	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001 Lighting Contactors <small>(26 09 23)</small>		
Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	587.59	123.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.84	
26 09 23 00-0006 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	723.45	138.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	83.06	
26 09 23 00-0007 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,345.42	215.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	129.21	
26 09 23 00-0008 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,086.54	292.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	175.36	
26 09 23 00-0009 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,301.34	384.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	230.73	
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	663.47	138.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	83.06	
26 09 23 00-0012 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	793.62	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.30	
26 09 23 00-0013 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,459.49	246.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	147.67	
26 09 23 00-0014 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,255.02	323.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	193.82	
26 09 23 00-0015 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,619.36	423.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	253.81	
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	779.36	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.30	
26 09 23 00-0018 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	932.27	169.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	101.52	
26 09 23 00-0019 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,761.19	276.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	166.13	
26 09 23 00-0020 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,690.87	353.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	212.27	
26 09 23 00-0021 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	5,881.18	461.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	276.88	
26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0024 EA 30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	943.97	138.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	83.06	
26 09 23 00-0025 EA 60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	1,892.84	215.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	129.21	
26 09 23 00-0026 EA 100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	2,841.71	292.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	175.36	
26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0028 EA 30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	1,339.20	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0029 EA 60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,079.23 147.67	246.12
26 09 23 00-0030 EA 100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,132.01 193.82	323.02
26 09 23 00-0031 EA 200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,150.64 253.81	423.01
26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0033 EA 30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,271.94 101.52	169.21
26 09 23 00-0034 EA 60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,096.95 166.13	276.88
26 09 23 00-0035 EA 100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,860.42 212.27	353.79
26 09 23 00-0036 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0037 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0038 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.60 73.84	123.05
26 09 23 00-0039 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,204.73 83.06	138.44
26 09 23 00-0040 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,305.17 129.21	215.35
26 09 23 00-0041 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,449.70 175.36	292.26
26 09 23 00-0042 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,628.01 230.73	384.55
26 09 23 00-0043 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0044 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	988.54 83.06	138.44
26 09 23 00-0045 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,274.91 92.30	153.82
26 09 23 00-0046 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,422.05 147.67	246.12
26 09 23 00-0047 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,617.25 193.82	323.02
26 09 23 00-0048 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,945.09 253.81	423.01
26 09 23 00-0049 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0050 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,069.56 92.30	153.82
26 09 23 00-0051 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,413.56 101.52	169.21
26 09 23 00-0052 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,098.09 166.13	276.88
26 09 23 00-0053 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,427.43 212.27	353.79
26 09 23 00-0054 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,238.90 276.88	461.46
26 09 23 00-0055 NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0056 2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0057 EA 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,799.73 129.21	215.35
26 09 23 00-0058 EA 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,968.84 175.36	292.26
26 09 23 00-0059 EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,756.07 230.73	384.55
26 09 23 00-0060 3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0061 EA 60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,997.06 147.67	246.12
26 09 23 00-0062 EA 100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,224.38 193.82	323.02
26 09 23 00-0063 4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0064 EA 60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,594.39 166.13	276.88
26 09 23 00-0065 EA 100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,194.18 212.27	353.79

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0066			Mechanically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0067			NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0066)</small>		
26 09 23 00-0068			2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0067)</small>		
26 09 23 00-0069	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	852.16	123.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.84	
26 09 23 00-0070	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	969.25	138.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.06	
26 09 23 00-0071	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,823.89	215.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.21	
26 09 23 00-0072	EA		100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,539.67	292.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.36	
26 09 23 00-0073	EA		200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,772.39	384.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.73	
26 09 23 00-0074			3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0067)</small>		
26 09 23 00-0075	EA		20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	912.66	138.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.06	
26 09 23 00-0076	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,041.30	153.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.30	
26 09 23 00-0077	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,940.77	246.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.67	
26 09 23 00-0078	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,709.09	323.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.82	
26 09 23 00-0079	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,489.14	423.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.81	
26 09 23 00-0080			4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0067)</small>		
26 09 23 00-0081	EA		20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	986.50	153.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.30	
26 09 23 00-0082	EA		30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,111.47	169.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.52	
26 09 23 00-0083	EA		60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,267.80	276.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.13	
26 09 23 00-0084	EA		100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,172.15	353.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.27	
26 09 23 00-0085	EA		200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	7,821.32	461.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.88	
26 09 23 00-0086			NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0066)</small>		
26 09 23 00-0087			2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0086)</small>		
26 09 23 00-0088	EA		20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,261.31	123.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.84	
26 09 23 00-0089	EA		30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,450.54	138.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.06	
26 09 23 00-0090	EA		60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,786.45	215.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.21	
26 09 23 00-0091	EA		100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,902.84	292.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.36	
26 09 23 00-0092	EA		200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,097.19	384.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.73	
26 09 23 00-0093			3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0086)</small>		
26 09 23 00-0094	EA		20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,335.14	138.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.06	
26 09 23 00-0095	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,522.59	153.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.30	
26 09 23 00-0096	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,903.34	246.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.67	
26 09 23 00-0097	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,073.20	323.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.82	
26 09 23 00-0098	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,815.81	423.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.81	
26 09 23 00-0099			4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0086)</small>		
26 09 23 00-0100	EA		20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,414.11	153.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.30	
26 09 23 00-0101	EA		30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,592.75	169.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.52	
26 09 23 00-0102	EA		60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,604.70	276.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0103 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,908.71 212.27	353.79
26 09 23 00-0104 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,110.56 276.88	461.46
26 09 23 00-0105 NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0066)</small>		
26 09 23 00-0106 2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0105)</small>		
26 09 23 00-0107 EA 30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	807.35 83.06	138.44
26 09 23 00-0108 EA 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,477.67 129.21	246.12
26 09 23 00-0109 EA 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,013.05 175.36	292.26
26 09 23 00-0110 EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,582.98 230.73	384.55
26 09 23 00-0111 3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0105)</small>		
26 09 23 00-0112 EA 30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	861.97 92.30	153.82
26 09 23 00-0113 4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0105)</small>		
26 09 23 00-0114 EA 200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,162.42 276.88	461.46
26 09 23 00-0115 Combination Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0116 Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0115)</small>		
26 09 23 00-0117 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0116)</small>		
26 09 23 00-0118 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0117)</small>		
26 09 23 00-0119 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,626.05 101.52	169.21
26 09 23 00-0120 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,551.02 162.44	270.72
26 09 23 00-0121 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,096.53 213.20	355.33
26 09 23 00-0122 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,427.94 279.19	465.31
26 09 23 00-0123 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0118)</small>		
26 09 23 00-0124 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0123)</small>		
26 09 23 00-0125 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,908.07 101.52	169.21
26 09 23 00-0126 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,526.81 162.44	270.72
26 09 23 00-0127 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,544.32 213.20	355.33
26 09 23 00-0128 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,838.30 279.19	465.31
26 09 23 00-0129 Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0115)</small>		
26 09 23 00-0130 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0129)</small>		
26 09 23 00-0131 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0130)</small>		
26 09 23 00-0132 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,772.41 101.52	169.21

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0133 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,057.63	270.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.44	
26 09 23 00-0134 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,576.41	355.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.20	
26 09 23 00-0135 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,791.58	465.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.19	
26 09 23 00-0136 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0129)		
26 09 23 00-0137 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0136)		
26 09 23 00-0138 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,055.83	169.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.52	
26 09 23 00-0139 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,036.24	270.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.44	
26 09 23 00-0140 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,025.60	355.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.20	
26 09 23 00-0141 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,201.94	465.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.19	
26 09 23 00-0142 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)		
26 09 23 00-0143 EA 105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	157.77	39.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.04	
26 09 23 00-0144 EA 105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	170.64	39.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.04	
26 09 23 00-0145 Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0146 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	1,802.22	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.30	
26 09 23 00-0147 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	2,309.81	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.30	
26 09 23 00-0148 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	2,826.46	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.30	
26 09 23 00-0149 Dimming Module Contol (Leviton) ^(26 09 23)		
26 09 23 00-0150 EA 5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0).....	232.90	19.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 09 23 00-0151 Light Control Panels ^(26 09 23)		
26 09 23 00-0152 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0151)		
26 09 23 00-0153 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0152)		
26 09 23 00-0154 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,907.72	215.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.38	
26 09 23 00-0155 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,804.21	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0156 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,014.02	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0157 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	2,952.98	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0158 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,199.31	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0159 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4).....	2,109.50	215.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.38	
26 09 23 00-0160 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8).....	2,263.35	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0161 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,509.44	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0162 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	3,051.42	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0163 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	3,297.73	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0164 Accessories For Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0152)		
26 09 23 00-0165 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	193.99	38.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0166 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	149.90	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0167 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	86.61	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0168 Lighting Control Panels (Synergy) (26 09 23 00-0151)		
26 09 23 00-0169 Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0170 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,854.42	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0171 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0172 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	692.55	38.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 09 23 00-0173 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	268.44	15.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 09 23 00-0174 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	158.04	23.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86	
26 09 23 00-0175 Lighting Switching Panels (Lutron) (26 09 23 00-0151)		
26 09 23 00-0176 Lighting Switching Panels (Lutron) (26 09 23 00-0175)		
26 09 23 00-0177 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,340.69	231.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.62	
26 09 23 00-0178 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	3,179.98	246.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.86	
26 09 23 00-0179 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	4,138.81	261.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.10	
26 09 23 00-0180 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0151)		
26 09 23 00-0181 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,590.94	215.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.38	
26 09 23 00-0182 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,801.79	215.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.38	
26 09 23 00-0183 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	2,012.64	215.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.38	
26 09 23 00-0184 Power Filters (26 09 23 00-0151)		
26 09 23 00-0185 EA 600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	41,093.21	1,281.80
26 09 23 00-0186 EA 200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	24,232.35	557.29
26 09 23 00-0187 Signal Filters (26 09 23 00-0151)		
26 09 23 00-0188 EA 0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	19,026.76	1,165.35
26 09 23 00-0189 EA 0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	12,983.13	712.19
26 09 23 00-0190 EA 0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	7,248.58	413.47
26 09 23 00-0191 EA 5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	9,817.21	413.47
26 09 23 00-0192 Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0193 EA 8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D).....	16,029.52	154.02
Note: Excludes GB II cable.		
26 09 23 00-0194 EA Server, System Support Unit (SSU) (Encelium EN-SSU-1U)	7,360.79	154.02
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0195 EA Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT)	3,859.91	154.02
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0196 EA Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT)	16,123.43	154.02
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0197 EA Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK)	133.87	19.25
Note: Excludes GB II cable.		
26 09 23 00-0198 EA Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR).....	203.23	19.25
Note: Excludes GB II cable.		
26 09 23 00-0199 EA Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	261.33	38.51
Note: Excludes GB II cable.		
26 09 23 00-0200 EA Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	312.32	38.51
Note: Excludes GB II cable.		
26 09 23 00-0201 EA Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK).....	172.37	38.51
Note: Excludes GB II cable.		
26 09 23 00-0202 EA Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	241.73	38.51
Note: Excludes GB II cable.		
26 09 23 00-0203 EA 16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700)	601.10	77.01
Note: Excludes cable.		
26 09 23 00-0204 EA Rack Mounted, Wired Power Bar (Encelium PWR-700)	458.61	77.01

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0205 EA Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	816.81	77.01
26 09 23 00-0206 EA Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	297.58	77.01
26 09 23 00-0207 EA 4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042)	912.24	77.01
Note: Excludes cable.		
26 09 23 00-0208 EA Wired BACnet Interface (Encelium BIF-600)	9,378.73	308.04
Note: Excludes cable.		
26 09 23 00-0209 EA Wired AV Interface (Encelium EN-SW-AVINT)	6,886.48	77.01
Note: Excludes cable.		
26 09 23 00-0210 EA Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH)	264.02	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0211 EA 3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH).....	320.37	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0212 EA 3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	306.77	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0213 EA 5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH).....	320.37	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0214 EA 6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH).....	306.77	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0215 EA Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT).....	233.56	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0216 EA Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT).....	320.37	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0217 EA 3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT).....	306.77	19.25
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0218 EA Wired Key Switch Controller (Encelium KSW-300).....	228.07	19.25
Note: Excludes GB II cable.		
26 09 23 00-0219 EA Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH)	101.26	19.25
Note: Includes white finish.		
26 09 23 00-0220 EA 1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	91.27	38.51
26 09 23 00-0221 EA 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	91.87	38.51
26 09 23 00-0222 EA 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	96.67	38.51
26 09 23 00-0223 EA 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	101.41	38.51
26 09 23 00-0224 EA 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	107.07	38.51
26 09 23 00-0225 EA 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	112.17	38.51
26 09 23 00-0226 EA 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	118.44	38.51
26 09 23 00-0227 EA 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	146.77	38.51
26 09 23 00-0228 EA 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	862.98	38.51
26 09 23 00-0229 EA Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	220.81	38.51
26 09 23 00-0230 EA 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,109.76	38.51
26 09 23 00-0231 EA Indoor Wired Photo Sensor (Encelium PHS-700).....	670.40	77.01
Note: Excludes GB II cable.		
26 09 23 00-0232 EA Outdoor Wired Photo Sensor (Encelium PHS-800)	670.40	77.01
Note: Excludes GB II cable.		
26 09 23 00-0233 EA Skylight Wired Photo Sensor (Encelium PHS-900).....	670.40	77.01
Note: Excludes GB II cable.		
26 09 23 00-0234 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)	363.34	77.01
Note: Excludes GB II cable.		
26 09 23 00-0235 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500).....	353.04	77.01
Note: Excludes GB II cable.		
26 09 23 00-0236 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)	359.91	77.01
Note: Excludes GB II cable.		
26 09 23 00-0237 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY).....	394.23	77.01
Note: Excludes GB II cable.		
26 09 23 00-0238 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG).....	359.91	77.01
Note: Excludes GB II cable.		
26 09 23 00-0239 EA 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV)	291.29	77.01
Note: Excludes GB II cable.		
26 09 23 00-0240 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V)	306.98	77.01
Note: Excludes GB II cable.		
26 09 23 00-0241 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V).....	306.98	77.01
Note: Excludes GB II cable.		
26 09 23 00-0242 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360)	176.25	77.01
Note: Excludes GB II cable.		
26 09 23 00-0243 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24).....	368.40	77.01
Note: Excludes GB II cable.		
26 09 23 00-0244 EA Hallway, Wired Occupancy Sensor (Encelium HW-13).....	508.29	77.01
Note: Excludes GB II cable.		
26 09 23 00-0245 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)	449.13	77.01
Note: Excludes GB II cable.		
26 09 23 00-0246 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)	476.58	77.01
Note: Excludes GB II cable.		
26 09 23 00-0247 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)	490.32	77.01
Note: Excludes GB II cable.		
26 09 23 00-0248 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)	445.70	77.01
Note: Excludes GB II cable.		
26 09 23 00-0249 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV).....	377.08	77.01
Note: Excludes GB II cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0250 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W).....	463.89	77.01
Note: Excludes GB II cable.		
26 09 23 00-0251 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W).....	460.30	77.01
Note: Excludes GB II cable.		
26 09 23 00-0252 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W).....	507.12	77.01
Note: Excludes GB II cable.		
26 09 23 00-0253 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W).....	492.73	77.01
Note: Excludes GB II cable.		
26 09 23 00-0254 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24).....	527.91	77.01
Note: Excludes GB II cable.		
26 09 23 00-0255 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV).....	492.87	77.01
Note: Excludes GB II cable.		
26 09 23 00-0256 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT).....	492.87	77.01
Note: Excludes GB II cable.		
26 09 23 00-0257 EA 10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	334.73	77.01
26 09 23 00-0258 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	356.30	77.01
26 09 23 00-0259 EA 20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	600.62	77.01
26 09 23 00-0260 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	640.22	77.01
26 09 23 00-0261 EA 10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	480.46	77.01
26 09 23 00-0262 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	499.59	77.01
26 09 23 00-0263 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2).....	1,406.15	154.02
Note: Excludes GB II cable and enclosure.		
26 09 23 00-0264 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V).....	4,448.05	616.08
Note: Excludes GB II cable.		
26 09 23 00-0265 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V).....	6,377.60	616.08
Note: Excludes GB II cable.		
26 09 23 00-0266 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V).....	8,307.12	616.08
Note: Excludes GB II cable.		
26 09 23 00-0267 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2).....	703.07	77.01
Note: Excludes GB II cable.		
26 09 23 00-0268 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2).....	801.13	77.01
Note: Excludes GB II cable.		
26 09 23 00-0269 EA Wireless Manager (Encelium EN-WM-ZB-P3D).....	2,114.93	77.01
Note: Includes white finish.		
26 09 23 00-0270 EA Wireless Control Module (Encelium EN-WCM-ZB).....	299.25	38.51
26 09 23 00-0271 EA Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	351.54	38.51
26 09 23 00-0272 EA Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	352.84	38.51
26 09 23 00-0273 EA Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	365.17	38.51
26 09 23 00-0274 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0275 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0276 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0277 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0278 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0279 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	269.24	19.25
Note: Includes white finish.		
26 09 23 00-0280 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	585.42	77.01
26 09 23 00-0281 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	376.26	77.01
26 09 23 00-0282 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	376.26	77.01
26 09 23 00-0283 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	428.55	77.01
26 09 23 00-0284 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	428.55	77.01
26 09 23 00-0285 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0286 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0287 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0288 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0289 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0290 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	269.24	19.25
Note: Includes white finish.		
26 09 23 00-0291 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	585.42	77.01
26 09 23 00-0292 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	260.75	19.25
26 09 23 00-0293 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	260.75	19.25
26 09 23 00-0294 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	260.75	19.25
26 09 23 00-0295 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	269.24	19.25
26 09 23 00-0296 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	585.42	77.01
26 09 23 00-0297 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	376.26	77.01
26 09 23 00-0298 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	376.26	77.01
26 09 23 00-0299 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	428.55	77.01
26 09 23 00-0300 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	428.55	77.01
26 09 23 00-0301 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0302 EA 3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH).....	260.75	19.25
Note: Includes white finish.		
26 09 23 00-0303 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	260.75	19.25
Note: Includes white finish.		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0304 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	260.75	19.25
26 09 23 00-0305 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	260.75	19.25
26 09 23 00-0306 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	269.24	19.25
26 09 23 00-0307 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	585.42	77.01
26 09 23 00-0308 EA Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	184.08	77.01
26 09 23 00-0309 EA Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	757.43	77.01
26 09 23 00-0310 Lighting Control Sensors <small>(26 09 23)</small>		
26 09 23 00-0311 EA DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	401.34	34.65
26 09 23 00-0312 EA DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	401.34	34.65
26 09 23 00-0313 EA Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	353.15	34.65
26 09 23 00-0314 EA Zigbee Dongle (LG 9CM2315VD2.AWP01U)	108.25	23.10
26 09 23 00-0315 EA Clip for Performance Troffer (LG BKTR015122.BUAAWAA)	9.71	
26 09 23 00-0316 EA Clip for Downlight (BKTC015123.BUAAWAA)	69.62	
26 09 23 00-0317 EA Clip for Tube (LG BKTTU015121.BUAAWAA)	13.22	
26 09 23 00-0318 Radio Controlled Devices (Lutron) <small>(26 09 23)</small>		
26 09 23 00-0319 Tabletop Transmitters For Radio Controlled Devices <small>(26 09 23 00-0318)</small>		
26 09 23 00-0320 Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0321 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	519.38	23.10
26 09 23 00-0322 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	673.26	23.10
26 09 23 00-0323 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	846.37	23.10
26 09 23 00-0324 Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0325 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	519.38	23.10
26 09 23 00-0326 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	615.56	23.10
26 09 23 00-0327 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	846.37	23.10
26 09 23 00-0328 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	519.38	23.10
26 09 23 00-0329 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	673.26	23.10
26 09 23 00-0330 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	846.37	23.10
26 09 23 00-0331 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0332 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	673.26	23.10
26 09 23 00-0333 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	846.37	23.10
26 09 23 00-0334 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	846.37	23.10
26 09 23 00-0335 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0336 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B- WH)	519.38	23.10
26 09 23 00-0337 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3- B-WH)	673.26	23.10
26 09 23 00-0338 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	615.56	23.10
26 09 23 00-0339 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	750.20	23.10
26 09 23 00-0340 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	673.26	23.10
26 09 23 00-0341 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	807.91	23.10
26 09 23 00-0342 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	673.26	23.10
26 09 23 00-0343 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0344 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	519.38	23.10
26 09 23 00-0345 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	673.26	23.10
26 09 23 00-0346 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	673.26	23.10
26 09 23 00-0347 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	846.37	23.10
26 09 23 00-0348 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	673.26	23.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0349 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	846.37	23.10
26 09 23 00-0350 Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0351 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	519.38	23.10
26 09 23 00-0352 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	673.26	23.10
26 09 23 00-0353 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	846.37	23.10
26 09 23 00-0354 Accessories For Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0355 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	115.45	23.10
26 09 23 00-0356 Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0357 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	480.91	23.10
26 09 23 00-0358 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	519.38	23.10
26 09 23 00-0359 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	519.38	23.10
26 09 23 00-0360 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	519.38	23.10
26 09 23 00-0361 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	519.38	23.10
26 09 23 00-0362 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	519.38	23.10
26 09 23 00-0363 Interfaces For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0364 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	480.91	23.10
26 09 23 00-0365 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	480.91	23.10
26 09 23 00-0366 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	480.91	23.10
26 09 23 00-0367 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	969.48	23.10
26 09 23 00-0368 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,384.95	23.10
26 09 23 00-0369 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,384.95	23.10
26 09 23 00-0370 Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0371 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	615.56	23.10
26 09 23 00-0372 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	692.50	23.10
26 09 23 00-0373 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	807.91	23.10
26 09 23 00-0374 AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0375 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	904.08	23.10
26 09 23 00-0376 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,240.69	23.10
26 09 23 00-0377 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) (26 09 23)		
26 09 23 00-0378 RF Wireless Technology, Switches (Lutron® Maestro Wireless®) (26 09 23 00-0377)		
26 09 23 00-0379 EA 6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	150.14	30.80
26 09 23 00-0380 EA 8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	174.63	30.80
26 09 23 00-0381 EA 8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	265.90	30.80
26 09 23 00-0382 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	109.29	30.80
26 09 23 00-0383 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	130.68	30.80
26 09 23 00-0384 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	118.27	30.80
26 09 23 00-0385 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	140.10	30.80
26 09 23 00-0386 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0377)		
26 09 23 00-0387 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	144.49	30.80
26 09 23 00-0388 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	155.79	30.80
26 09 23 00-0389 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	184.05	30.80
26 09 23 00-0390 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	199.45	38.51
26 09 23 00-0391 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	239.62	30.80
26 09 23 00-0392 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	87.51	30.80
26 09 23 00-0393 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	103.05	30.80

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0394 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD).....	93.17	30.80
26 09 23 00-0395 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277).....	108.70	30.80
26 09 23 00-0396 EA 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	277.35	53.90
26 09 23 00-0397 Removal And Reinstallation Of Occupancy Sensors (26 09 23)		
26 09 23 00-0398 EA Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	103.97	
26 09 23 00-0399 EA Removal And Reinstallation Of Wall Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	69.31	
26 09 23 00-0400 Occupancy Sensors (Watt Stopper) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0401 Occupancy Sensors (26 09 23 00-0400)		
Note: Exclude boxes.		
26 09 23 00-0402 Wall Switch Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0403 Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0404 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.46 9.24	15.41
26 09 23 00-0405 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.41 9.24	15.41
26 09 23 00-0406 Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0407 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.26 9.24	15.41
26 09 23 00-0408 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.30 9.24	15.41
26 09 23 00-0409 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.29 9.24	15.41
26 09 23 00-0410 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.84 9.24	15.41
26 09 23 00-0411 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.40 9.24	15.41
26 09 23 00-0412 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0413 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	192.37 9.24	15.41
26 09 23 00-0414 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.89 9.24	15.41
26 09 23 00-0415 Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0402)		
26 09 23 00-0416 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	9.09	3.85
26 09 23 00-0417 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	10.24	3.85
26 09 23 00-0418 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	10.24	3.85
26 09 23 00-0419 Ceiling Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0420 Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0421 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)		
26 09 23 00-0422 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	184.21	34.65
26 09 23 00-0423 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	209.18	34.65
26 09 23 00-0424 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	234.33	34.65
26 09 23 00-0425 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	232.06	34.65
26 09 23 00-0426 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)		
26 09 23 00-0427 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	198.99	34.65
26 09 23 00-0428 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	224.32	34.65
26 09 23 00-0429 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	248.30	34.65
26 09 23 00-0430 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	252.36	34.65
26 09 23 00-0431 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	214.13	34.65
26 09 23 00-0432 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	240.08	34.65
26 09 23 00-0433 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	265.93	34.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0434 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	273.38	34.65
26 09 23 00-0435 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)		
26 09 23 00-0436 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	206.31	34.65
26 09 23 00-0437 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	236.56	34.65
26 09 23 00-0438 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	261.89	34.65
26 09 23 00-0439 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	195.16	34.65
26 09 23 00-0440 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	233.29	34.65
26 09 23 00-0441 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	245.64	34.65
26 09 23 00-0442 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	207.88	34.65
26 09 23 00-0443 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	229.83	34.65
26 09 23 00-0444 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	256.94	34.65
26 09 23 00-0445 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0446 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	155.07	34.65
26 09 23 00-0447 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	158.02	34.65
26 09 23 00-0448 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	165.01	34.65
26 09 23 00-0449 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	183.74	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0450 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	186.01	34.65
26 09 23 00-0451 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	195.82	34.65
26 09 23 00-0452 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	211.51	34.65
26 09 23 00-0453 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0454 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	248.08	34.65
26 09 23 00-0455 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	281.28	34.65
26 09 23 00-0456 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	241.04	34.65
26 09 23 00-0457 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0458 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)		
26 09 23 00-0459 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	301.18	34.65
26 09 23 00-0460 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	301.18	34.65
26 09 23 00-0461 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)		
26 09 23 00-0462 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	281.28	34.65
26 09 23 00-0463 Occupancy Sensor Power Packs (26 09 23 00-0400)		
26 09 23 00-0464 Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0465 EA 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	108.03	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0466 EA 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	99.60	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0467 Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0468 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	92.65	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0469 Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0463)		
26 09 23 00-0470 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	118.08	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0471 Form C, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0472 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	108.41	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0473 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.49 18.48	30.80
26 09 23 00-0474 Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0475 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.85 18.48	30.80
26 09 23 00-0476 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.53 18.48	30.80
26 09 23 00-0477 Occupancy Sensor Power Supplies (26 09 23 00-0463)		
26 09 23 00-0478 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.97 18.48	30.80
26 09 23 00-0479 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.42 18.48	30.80
26 09 23 00-0480 Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0481 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	334.79	30.80
26 09 23 00-0482 DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0483 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	117.12	30.80
26 09 23 00-0484 Occupancy Sensor Accessories (26 09 23 00-0400)		
26 09 23 00-0485 Protective Cages For Occupancy Sensors (26 09 23 00-0484)		
26 09 23 00-0486 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	64.50	11.56
26 09 23 00-0487 Mounting Brackets For Occupancy Sensors (26 09 23 00-0484)		
26 09 23 00-0488 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	55.05	19.25
26 09 23 00-0489 Occupancy/Lighting Logger (26 09 23 00-0484)		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0490 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	469.76	65.46
26 09 23 00-0491 Digital Time Light Switches (26 09 23 00-0400)		
26 09 23 00-0492 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	102.01	15.41
26 09 23 00-0493 Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (26 09 23 00-0400)		
26 09 23 00-0494 EA Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211).....	231.59	50.05
26 09 23 00-0495 Occupancy Sensors (Sensor Switch) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0496 Occupancy Sensors (Sensor Switch) (26 09 23 00-0495)		
Note: Exclude boxes		
26 09 23 00-0497 Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0498 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0497)		
26 09 23 00-0499 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	223.15	15.41
26 09 23 00-0500 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.03 9.24	15.41
26 09 23 00-0501 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.98 9.24	15.41
26 09 23 00-0502 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.98 9.24	15.41
26 09 23 00-0503 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.09 9.24	15.41
26 09 23 00-0504 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	191.09	15.41
26 09 23 00-0505 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	231.18	15.41
26 09 23 00-0506 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	191.09	15.41
26 09 23 00-0507 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0497)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0508 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	287.26	15.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0509 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL) 223.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	15.41
26 09 23 00-0510 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT) 218.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	15.41
26 09 23 00-0511 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA) 218.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	15.41
26 09 23 00-0512 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P) 255.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	15.41
26 09 23 00-0513 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT) 255.21		15.41
26 09 23 00-0514 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P) 274.44		15.41
26 09 23 00-0515 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0497)</small>		
26 09 23 00-0516 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX) 20.52		3.85
26 09 23 00-0517 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX) 20.52		3.85
26 09 23 00-0518 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3) 39.76		3.85
26 09 23 00-0519 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3) 39.76		3.85
26 09 23 00-0520 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0498)</small>		
26 09 23 00-0521 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0520)</small>		
<i>Note: One photocell or dimming option per occupancy sensor</i>		
26 09 23 00-0522 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9) 261.66		34.65
26 09 23 00-0523 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) 261.66		34.65
26 09 23 00-0524 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9) 261.66		34.65
26 09 23 00-0525 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9) 277.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0526 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9) 277.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0527 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9) 226.39 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0528 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P) 341.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0529 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P) 341.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0530 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P) 290.51 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0531 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) 261.66		34.65
26 09 23 00-0532 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) 261.66		34.65
26 09 23 00-0533 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10) 261.66		34.65
26 09 23 00-0534 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10) 277.69		34.65
26 09 23 00-0535 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10) 277.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0536 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10) 226.39 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0537 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P) 341.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0538 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P) 341.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0539 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P) 290.51 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	34.65
26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0520)</small>		
<i>Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection</i>		
26 09 23 00-0541 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9) 325.77		34.65
26 09 23 00-0542 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9) 325.77		34.65
26 09 23 00-0543 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9) 325.77		34.65

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0544 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	309.75	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0545 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	309.75	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0546 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	258.45	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0547 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	373.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0548 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	373.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0549 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	322.57	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0550 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	325.77	34.65
26 09 23 00-0551 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	325.77	34.65
26 09 23 00-0552 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	325.77	34.65
26 09 23 00-0553 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	309.75	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0554 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	309.75	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0555 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	258.45	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0556 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	373.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0557 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	373.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0558 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	322.57	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0559 Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0560 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0559)		
26 09 23 00-0561 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	261.66	34.65
26 09 23 00-0562 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	293.72	34.65
26 09 23 00-0563 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	357.83	34.65
26 09 23 00-0564 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	341.80	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0565 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	405.92	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0566 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0559)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0567 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	325.77	34.65
26 09 23 00-0568 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	373.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0569 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	437.98	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0570 High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0571 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0570)		
26 09 23 00-0572 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	261.66	34.65
26 09 23 00-0573 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	261.66	34.65
26 09 23 00-0574 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	261.66	34.65
26 09 23 00-0575 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	226.39	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0576 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	226.39	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0577 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	226.39	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0578 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	290.51	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0579 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	290.51	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0580 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	290.51	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0581 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	248.84	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0582 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	248.84	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0583 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	248.84	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0584 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	248.84	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0585 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	248.84	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0586 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	248.84	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0587 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	293.72	34.65
26 09 23 00-0588 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	293.72	34.65
26 09 23 00-0589 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	293.72	34.65
26 09 23 00-0590 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	354.63	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0591 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	354.63	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0592 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	354.63	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0593 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	312.95	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0594 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	312.95	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0595 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	264.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0596 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	264.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0597 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	264.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0598 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	264.86	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0599 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	293.72	34.65
26 09 23 00-0600 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	293.72	34.65
26 09 23 00-0601 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	354.63	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0602 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	354.63	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0603 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	341.80	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0604 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	309.75	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0605 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	309.75	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	

26 09 23 00-0606 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0495)

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0607 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	151.37	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0608 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	215.49	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0609 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	119.31	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0610 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	109.70	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0611 EA 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	141.76	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0612 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	221.90	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0613 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	221.90	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0614 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	221.90	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48	
26 09 23 00-0615 Daylighting Control (Sensor Switch) (26 09 23 00-0495)		
26 09 23 00-0616 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	229.60	34.65
26 09 23 00-0617 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	229.60	34.65
26 09 23 00-0618 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	229.60	34.65
26 09 23 00-0619 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	229.60	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0620 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	229.60	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0621 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	229.60	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0622 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	229.60	34.65
26 09 23 00-0623 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	229.60	34.65
26 09 23 00-0624 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	229.60	34.65
26 09 23 00-0625 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	229.60	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0626 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	229.60	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0627 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	229.60	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0628 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	325.77	34.65
26 09 23 00-0629 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	325.77	34.65
26 09 23 00-0630 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	325.77	34.65
26 09 23 00-0631 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	325.77	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0632 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	325.77	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0633 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	325.77	34.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 09 23 00-0634 Occupancy Sensors (Sensor Switch nLight®) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0635 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0634)		
Note: Excludes boxes.		
26 09 23 00-0636 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0637 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0636)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0638 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	343.78	15.41
26 09 23 00-0639 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0640 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0641 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	413.23	34.65
26 09 23 00-0642 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	413.23	34.65
26 09 23 00-0643 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	413.23	34.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0644	Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0639)</small>	
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0645 EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	482.02 34.65
26 09 23 00-0646 EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	482.02 34.65
26 09 23 00-0647 EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	499.19 34.65
26 09 23 00-0648	Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0635)</small>	
26 09 23 00-0649	Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0648)</small>	
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0650 EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	482.02 34.65
26 09 23 00-0651	High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0635)</small>	
26 09 23 00-0652	Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0651)</small>	
26 09 23 00-0653 EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	413.23 34.65
26 09 23 00-0654	Occupancy Sensor Power Packs (Sensor Switch nLight®) <small>(26 09 23 00-0634)</small>	
26 09 23 00-0655 EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	147.59 30.80
26 09 23 00-0656 EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	182.01 30.80
26 09 23 00-0657 EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	240.45 30.80
26 09 23 00-0658 EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	240.45 30.80
26 09 23 00-0659	Occupancy Sensor Accessories (Sensor Switch nLight®) <small>(26 09 23 00-0634)</small>	
26 09 23 00-0660 EA	RS232 AV Integrator (Sensor Switch nLight® nIO X).....	499.19 34.65
26 09 23 00-0661 EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	404.44 34.65
26 09 23 00-0662	Daylighting Controls (Sensor Switch nLight®) <small>(26 09 23 00-0634)</small>	
26 09 23 00-0663 EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	344.45 34.65
26 09 23 00-0664	Controls (Sensor Switch nLight®) <small>(26 09 23 00-0634)</small>	
26 09 23 00-0665 EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	230.96 34.65
26 09 23 00-0666 EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	327.28 34.65
26 09 23 00-0667 EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	739.97 34.65
26 09 23 00-0668 EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	739.97 34.65
26 09 23 00-0669 EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,734.73 34.65
26 09 23 00-0670	Occupancy Sensors (Lutron) <small>(26 09 23)</small>	
Note: Includes testing of new devices and certification.		
26 09 23 00-0671	Wireless Occupancy Sensors <small>(26 09 23 00-0670)</small>	
26 09 23 00-0672 EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	175.14 34.65
26 09 23 00-0673 EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	182.24 34.65
26 09 23 00-0674 EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	176.82 34.65
26 09 23 00-0675 EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	186.23 34.65
26 09 23 00-0676 EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	178.93 34.65
26 09 23 00-0677 EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	186.23 34.65
26 09 23 00-0678 EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	175.14 34.65
26 09 23 00-0679 EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	178.93 34.65
26 09 23 00-0680 EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	176.82 34.65
26 09 23 00-0681 EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	265.38 34.65
26 09 23 00-0682 EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	282.25 34.65
26 09 23 00-0683 EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	320.20 34.65
26 09 23 00-0684 EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	337.07 34.65
26 09 23 00-0685 EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	345.50 34.65

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0686 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	362.37	34.65
26 09 23 00-0687 EA Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	212.25	34.65
26 09 23 00-0688 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	223.21	34.65
26 09 23 00-0689 EA Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	259.05	34.65
26 09 23 00-0690 EA Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	286.46	34.65
26 09 23 00-0691 EA Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	307.55	34.65
26 09 23 00-0692 EA Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	267.49	34.65
26 09 23 00-0693 EA Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	247.01	34.65
26 09 23 00-0694 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	208.90	34.65
26 09 23 00-0695 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	253.83	34.65
26 09 23 00-0696 EA Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	305.15	34.65
26 09 23 00-0697 EA Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	323.01	34.65
26 09 23 00-0698 EA Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	323.01	34.65
26 09 23 00-0699 EA Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	323.01	34.65
26 09 23 00-0700 EA Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	339.38	34.65
26 09 23 00-0701 EA Wireless, Two Switches and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	547.99	50.05
26 09 23 00-0702 Nodes And Modules (26 09 23 00-0670)		
26 09 23 00-0703 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	275.92	34.65
26 09 23 00-0704 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	275.92	34.65
26 09 23 00-0705 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	345.50	34.65
26 09 23 00-0706 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	345.50	34.65
26 09 23 00-0707 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	439.65	38.51
26 09 23 00-0708 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	439.65	38.51
26 09 23 00-0709 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	530.32	38.51
26 09 23 00-0710 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	542.97	38.51
26 09 23 00-0711 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	667.37	38.51
26 09 23 00-0712 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	707.43	38.51
26 09 23 00-0713 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	747.49	38.51
26 09 23 00-0714 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	2,005.05	61.61
26 09 23 00-0715 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,973.02	69.31
26 09 23 00-0716 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	2,884.53	77.01
26 09 23 00-0717 Other Accessories (26 09 23 00-0670)		
26 09 23 00-0718 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	49.22	
26 09 23 00-0719 EA Pico® Wireless Control (Lutron® PJ).....	55.14	
26 09 23 00-0720 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	162.98	
26 09 23 00-0721 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	308.47	
26 09 23 00-0722 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	333.34	34.65
26 09 23 00-0723 EA seeTouch® QS Wallstation (Lutron® QSWS2).....	418.79	34.65
26 09 23 00-0724 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	418.79	34.65
26 09 23 00-0725 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	680.02	38.51
26 09 23 00-0726 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	926.72	38.51
26 09 23 00-0727 EA Control Interface (Lutron® QSE-CI-NWK-E).....	1,110.89	34.65
26 09 23 00-0728 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	1,102.48	34.65
26 09 23 00-0729 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	1,471.47	34.65
26 09 23 00-0730 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	2,786.03	1,076.75
26 09 23 00-0731 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	3,629.43	1,076.75
26 09 23 00-0732 Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0733 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	168.39	34.65
26 09 23 00-0734 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W).....	148.99	34.65
26 09 23 00-0735 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	184.41	34.65
26 09 23 00-0736 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	148.99	34.65
26 09 23 00-0737 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	231.78	15.39
26 09 23 00-0738 Wireless Enabled Communication Devices For Streetlights (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0739 Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0738)		
26 09 23 00-0740 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	351.71	
26 09 23 00-0741 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	489.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0742 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0738)</small>		
26 09 23 00-0743 EA Retrofit Receptacle Kit (Roam® DUR103).....	66.27	
<small>Note: For adapting light fixtures for use with a NEMA locking type photocontrol.</small>		
26 09 23 00-0744 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	13,925.65	84.34
26 09 23 00-0745 Counter Mounted Consolets <small>(26 09 23)</small>		
26 09 23 00-0746 EA 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	752.11	192.28
26 09 23 00-0747 Lighting Console And Stations <small>(26 09 23)</small>		
26 09 23 00-0748 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	4,978.78	192.28
<small>For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add</small>		
<small>For Lighting Console Case (ETC ColorSourcePart 11866), Add</small>		
26 09 23 00-0749 EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2).....	3,432.20	115.36
26 09 23 00-0750 Theatre Lighting Console <small>(26 09 23)</small>		
26 09 23 00-0751 EA Theatre Lighting Console (ETC Colorsources 20).....	3,610.71	230.73
26 09 23 00-0752 Emergency Lighting Controls <small>(26 09 23)</small>		
26 09 23 00-0753 Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0752)</small>		
<small>Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.</small>		
26 09 23 00-0754 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	236.96	38.51
26 09 23 00-0755 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	236.96	38.51
26 09 23 00-0756 Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0752)</small>		
<small>Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.</small>		
26 09 23 00-0757 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	418.52	53.90
26 09 23 00-0758 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	566.92	61.61
26 09 23 00-0759 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	760.00	69.31
<small>Note: Controls normal and emergency lighting from single-pole wall switch.</small>		
26 09 23 00-0760 Photocells <small>(26 09 23)</small>		
26 09 23 00-0761 EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	111.78	
26 09 23 00-0762 EA Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	268.18	
26 09 23 00-0763 Outdoor Lighting Motion Sensors <small>(26 09 23)</small>		
26 09 23 00-0764 EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	143.76	38.51
26 09 23 00-0765 EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	155.86	38.51
26 09 23 00-0766 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	605.17	38.51
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	23.10	
26 09 23 00-0767 Street Light Controls <small>(26 09 23)</small>		
26 09 23 00-0768 Photo Controls <small>(26 09 23 00-0767)</small>		
26 09 23 00-0769 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	117.11	
26 09 23 00-0770 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	131.96	
26 09 23 00-0771 Connector Node <small>(26 09 23 00-0767)</small>		
26 09 23 00-0772 EA Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	544.87	3.13

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0003 EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	59,087.60	2,639.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,611.11	
26 11 13 00-0004 EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	72,516.58	3,338.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,013.88	
26 11 13 00-0005 EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	81,917.09	3,338.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,013.88	
26 11 13 00-0006 EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	94,048.74	3,338.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,148.14	
26 11 13 00-0007 EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	106,735.45	4,115.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,478.62	
26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers <small>(26 11 13 00-0001)</small>		
26 11 13 00-0009 EA Reclosure Relay, Adjustable, 3 Shot, #179.....	1,730.93	281.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.45	
26 11 13 00-0010 EA Overcurrent Relay, 1 Phase, #51/51N.....	600.74	203.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.01	
26 11 13 00-0011 EA Directional Overcurrent Relay, Three-Phase, Device No. 67.....	874.98	203.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.32	
26 11 13 00-0012 EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	693.47	203.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.01	
26 11 13 00-0013 EA Differential Relay Package, Complete, Device No. 87.....	2,594.71	688.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	415.85	
26 11 13 00-0014 "Switchyard", Substation Transformer Section <small>(26 11 13)</small>		
Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015 14.4 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0016 EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	34,630.64	2,639.89
For 50 Hz Operation, Add	3,511.23	
For Forced Air Cooling, Add	3,511.23	
For External Control Panel, Add	877.81	
For Internally Mounted Current Transformers And Linear Couplers, Add	292.60	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,463.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,657.54	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,389.04	
26 11 13 00-0017 EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	39,746.58	3,307.62
For 50 Hz Operation, Add	3,964.04	
For Forced Air Cooling, Add	3,964.04	
For External Control Panel, Add	991.01	
For Internally Mounted Current Transformers And Linear Couplers, Add	330.34	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,651.68	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,129.21	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,955.05	
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	60,949.25	4,658.62
For 50 Hz Operation, Add	6,168.23	
For Forced Air Cooling, Add	6,168.23	
For External Control Panel, Add	1,542.06	
For Internally Mounted Current Transformers And Linear Couplers, Add	514.02	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,570.10	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,425.24	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,710.29	
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	87,626.33	5,484.81
For 50 Hz Operation, Add	9,095.56	
For Forced Air Cooling, Add	9,095.56	
For External Control Panel, Add	2,273.89	
For Internally Mounted Current Transformers And Linear Couplers, Add	757.96	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,789.82	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,474.54	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,369.45	
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	108,008.34	7,097.98
For 50 Hz Operation, Add	11,186.50	
For Forced Air Cooling, Add	11,186.50	
For External Control Panel, Add	2,796.63	
For Internally Mounted Current Transformers And Linear Couplers, Add	932.21	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,661.04	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,652.61	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,983.13	
26 11 13 00-0021 23 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	38,900.00	3,571.61
For 50 Hz Operation, Add	3,862.45	
For External Control Panel, Add	965.61	
For Internally Mounted Current Transformers And Linear Couplers, Add	321.87	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,609.35	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,023.38	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,828.06	
For Forced Air Cooling, Add	2,574.96	



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Substations	26 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	44,528.38	3,571.61
For 50 Hz Operation, Add	4,370.66	
For External Control Panel, Add	1,092.67	
For Internally Mounted Current Transformers And Linear Couplers, Add	364.22	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,821.11	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,552.77	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,463.33	
For Forced Air Cooling, Add	2,913.77	
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	70,854.91	5,279.77
For 50 Hz Operation, Add	7,213.70	
For External Control Panel, Add	1,803.43	
For Internally Mounted Current Transformers And Linear Couplers, Add	601.14	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,005.71	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,514.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,017.13	
For Forced Air Cooling, Add	4,809.14	
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	94,939.98	7,097.98
For 50 Hz Operation, Add	9,618.30	
For External Control Panel, Add	2,404.58	
For Internally Mounted Current Transformers And Linear Couplers, Add	801.53	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,007.63	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,019.06	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,022.88	
For Forced Air Cooling, Add	6,412.20	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	116,720.60	7,097.98
For 50 Hz Operation, Add	12,231.98	
For External Control Panel, Add	3,057.99	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,019.33	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,096.66	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,741.64	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,289.97	
For Forced Air Cooling, Add	8,154.65	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	48,763.50	4,270.41
For 50 Hz Operation, Add	4,878.88	
For External Control Panel, Add	1,219.72	
For Internally Mounted Current Transformers And Linear Couplers, Add	406.57	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,032.87	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,082.16	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,098.60	
For Forced Air Cooling, Add	3,252.58	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	58,891.81	6,677.36
For 50 Hz Operation, Add	5,895.30	
For External Control Panel, Add	1,473.83	
For Internally Mounted Current Transformers And Linear Couplers, Add	491.28	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,456.38	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,140.94	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,369.13	
For Forced Air Cooling, Add	3,930.20	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,381.56	6,677.36
For 50 Hz Operation, Add	8,154.68	
For External Control Panel, Add	2,038.67	
For Internally Mounted Current Transformers And Linear Couplers, Add	679.56	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,397.78	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,494.46	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,193.35	
For Forced Air Cooling, Add	5,436.45	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	103,652.17	6,936.66
For 50 Hz Operation, Add	10,663.76	
For External Control Panel, Add	2,665.94	
For Internally Mounted Current Transformers And Linear Couplers, Add	888.65	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,443.24	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,108.09	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,329.71	
For Forced Air Cooling, Add	7,109.18	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	177,490.68	8,872.48
For 50 Hz Operation, Add	19,027.53	
For External Control Panel, Add	4,756.88	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,585.63	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,928.14	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,820.34	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	23,784.41	
For Forced Air Cooling, Add	12,685.02	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	74,081.64	4,969.20
For 50 Hz Operation, Add	7,718.08	
For External Control Panel, Add	1,929.52	
For Internally Mounted Current Transformers And Linear Couplers, Add	643.17	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,215.87	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,039.67	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,647.60	
For Forced Air Cooling, Add	5,145.39	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	83,658.29	4,969.20
For 50 Hz Operation, Add	8,750.11	
For External Control Panel, Add	2,187.53	
For Internally Mounted Current Transformers And Linear Couplers, Add	729.18	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,645.88	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,114.70	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,937.64	
For Forced Air Cooling, Add	5,833.41	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	115,507.43	6,677.36
For 50 Hz Operation, Add	12,249.78	
For External Control Panel, Add	3,062.45	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,020.82	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,104.08	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,760.19	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,312.23	
For Forced Air Cooling, Add	8,166.52	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	141,590.90	8,872.48
For 50 Hz Operation, Add	14,719.55	
For External Control Panel, Add	3,679.89	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,226.63	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,133.15	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,332.87	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,399.44	
For Forced Air Cooling, Add	9,813.04	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	199,325.25	8,872.48
For 50 Hz Operation, Add	21,647.67	
For External Control Panel, Add	5,411.92	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,803.97	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,019.86	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	22,549.66	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	27,059.59	
For Forced Air Cooling, Add	14,431.78	
26 11 13 00-0039 69 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	105,773.14	5,279.77
For 50 Hz Operation, Add	11,403.89	
For External Control Panel, Add	2,850.97	
For Internally Mounted Current Transformers And Linear Couplers, Add	950.32	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,751.62	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,879.05	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,254.86	
For Forced Air Cooling, Add	7,602.59	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	121,769.12	6,677.36
For 50 Hz Operation, Add	13,001.19	
For External Control Panel, Add	3,250.30	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,083.43	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,417.16	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,542.90	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,251.48	
For Forced Air Cooling, Add	8,667.46	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	166,032.88	6,677.36
For 50 Hz Operation, Add	18,312.84	
For External Control Panel, Add	4,578.21	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,526.07	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,630.35	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,075.87	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,891.05	
For Forced Air Cooling, Add	12,208.56	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	176,857.18	8,872.48
For 50 Hz Operation, Add	18,951.51	
For External Control Panel, Add	4,737.88	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,579.29	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,896.46	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,741.15	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	23,689.38	
For Forced Air Cooling, Add	12,634.34	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	230,170.86	8,872.48
For 50 Hz Operation, Add	25,349.15	
For External Control Panel, Add	6,337.29	
For Internally Mounted Current Transformers And Linear Couplers, Add	2,112.43	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,562.15	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	26,405.36	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	31,686.44	
For Forced Air Cooling, Add	16,899.43	
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	62,424.78	1,277.01
26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	68,469.69	1,277.01
26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	78,027.69	1,586.26
26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	73,197.77	1,907.40
26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	82,329.88	1,907.40
26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	93,948.19	2,215.98
26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	96,987.50	2,531.76
26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	108,357.50	2,531.76



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Substations	26 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0054 EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	113,678.31	2,843.19
26 11 16 Secondary Unit Substations (26 11)		
26 11 16 11 Secondary Unit Substations with Switchgear Secondary (26 11 16)		
26 11 16 11-0001 Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002 Manual Transferring Fused Load Break Switches (26 11 16 11-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	39,690.73	1,875.25
26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	45,700.56	1,875.25
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches (26 11 16 11-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	56,035.82	1,875.25
26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	59,947.05	1,875.25
26 11 16 11-0008 Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)		
26 11 16 11-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section	20,509.58	
26 11 16 11-0010 EA Key Interlock Accessories, Secondary Distribution Section	1,996.34	
26 11 16 11-0011 Oil Filled Substation Transformers (26 11 16 11) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ (26 11 16 11-0011)		
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	36,238.35	1,164.66
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,373.63	
For Control Power Transformer On Fans And Auxiliary, Add	1,017.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	339.09	
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	53,442.83	1,397.58
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,545.34	
For Control Power Transformer On Fans And Auxiliary, Add	1,519.43	
For Internal Mounted Current Transformer And Linear Coupler, Add	506.48	
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	60,508.93	1,552.87
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,018.22	
For Control Power Transformer On Fans And Auxiliary, Add	1,722.10	
For Internal Mounted Current Transformer And Linear Coupler, Add	574.03	
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	71,525.39	1,941.10
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,735.02	
For Control Power Transformer On Fans And Auxiliary, Add	2,029.30	
For Internal Mounted Current Transformer And Linear Coupler, Add	676.43	
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	79,570.52	2,406.95
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,232.96	
For Control Power Transformer On Fans And Auxiliary, Add	2,242.70	
For Internal Mounted Current Transformer And Linear Coupler, Add	747.57	
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	84,815.68	2,950.46
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,524.03	
For Control Power Transformer On Fans And Auxiliary, Add	2,367.44	
For Internal Mounted Current Transformer And Linear Coupler, Add	789.15	
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	99,184.20	3,571.61
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,442.87	
For Control Power Transformer On Fans And Auxiliary, Add	2,761.23	
For Internal Mounted Current Transformer And Linear Coupler, Add	920.41	
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	105,625.40	3,882.18
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,850.27	
For Control Power Transformer On Fans And Auxiliary, Add	2,935.83	
For Internal Mounted Current Transformer And Linear Coupler, Add	978.61	
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	118,079.61	4,270.41
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,667.72	
For Control Power Transformer On Fans And Auxiliary, Add	3,286.16	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,095.39	
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	136,710.08	4,736.26
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,906.63	
For Control Power Transformer On Fans And Auxiliary, Add	3,817.13	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,272.38	
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	150,146.02	5,163.31
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	9,787.36	
For Control Power Transformer On Fans And Auxiliary, Add	4,194.58	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,398.19	
26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	34,546.68	1,164.66
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,255.22	
For Control Power Transformer On Fans And Auxiliary, Add	966.52	
For Internal Mounted Current Transformer And Linear Coupler, Add	322.17	
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	52,428.42	1,164.66
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,506.94	
For Control Power Transformer On Fans And Auxiliary, Add	1,502.97	
For Internal Mounted Current Transformer And Linear Coupler, Add	500.99	
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	60,471.50	1,552.87
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,015.60	
For Control Power Transformer On Fans And Auxiliary, Add	1,720.97	
For Internal Mounted Current Transformer And Linear Coupler, Add	573.66	
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	71,589.80	1,941.10
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,739.53	
For Control Power Transformer On Fans And Auxiliary, Add	2,031.23	
For Internal Mounted Current Transformer And Linear Coupler, Add	677.08	
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	86,143.98	2,406.95
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,693.10	
For Control Power Transformer On Fans And Auxiliary, Add	2,439.90	
For Internal Mounted Current Transformer And Linear Coupler, Add	813.30	
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	93,000.82	2,950.46
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,096.99	
For Control Power Transformer On Fans And Auxiliary, Add	2,613.00	
For Internal Mounted Current Transformer And Linear Coupler, Add	871.00	
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	102,963.78	3,571.61
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,707.44	
For Control Power Transformer On Fans And Auxiliary, Add	2,874.62	
For Internal Mounted Current Transformer And Linear Coupler, Add	958.21	
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	112,136.08	3,882.18
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,306.02	
For Control Power Transformer On Fans And Auxiliary, Add	3,131.15	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,043.72	
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	126,498.91	4,270.41
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,257.07	
For Control Power Transformer On Fans And Auxiliary, Add	3,538.74	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,179.58	
26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)		
26 11 16 11-0035 EA Sudden Pressure Relay.....	10,277.70	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	20,404.72	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	13,435.72	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	74,561.52	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	69,759.72	
26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	7,902.35	1,329.43
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	7,902.35	1,329.43
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	7,902.35	1,329.43
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	7,902.35	1,329.43
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	7,902.35	1,329.43
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	7,902.35	1,329.43
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	7,902.35	1,329.43
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,678.34	1,532.85
26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	63,693.17	1,242.29
For Gas Filled Transformers, Add	36,725.14	
For Single Phase Transformers, Deduct	-1,530.21	
For Dry Type Unit, Add	13,714.35	
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	63,848.46	1,319.94
For Gas Filled Transformers, Add	36,725.14	
For Single Phase Transformers, Deduct	-1,530.21	
For Dry Type Unit, Add	13,729.87	
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	65,111.60	1,552.87
For Gas Filled Transformers, Add	37,203.51	
For Single Phase Transformers, Deduct	-1,550.15	
For Dry Type Unit, Add	13,951.86	
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	71,869.48	1,708.16
For Gas Filled Transformers, Add	41,071.89	
For Single Phase Transformers, Deduct	-1,711.33	
For Dry Type Unit, Add	15,401.33	
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	79,697.54	2,018.73
For Gas Filled Transformers, Add	45,396.04	
For Single Phase Transformers, Deduct	-1,891.50	
For Dry Type Unit, Add	17,048.96	



Electrical	26
Medium-Voltage Electrical Distribution	26 10
Substations	26 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0056	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	92,340.68 52,609.24 -2,192.05 19,755.92	2,329.31
26 11 16 11-0057	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	107,158.91 60,941.14 -2,539.21 22,904.12	2,795.18
26 11 16 11-0058	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	126,776.68 72,339.11 -3,014.13 27,145.49	3,105.75
26 11 16 11-0059	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	164,722.68 94,920.37 -3,955.02 35,456.34	3,261.04
26 11 16 11-0060			Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small> <i>Note: Primary 4.16 or 4.8 KV (delta or wye).</i>		
26 11 16 11-0061	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	61,521.05 35,421.87 -1,475.91 13,236.48	1,242.29
26 11 16 11-0062	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	63,848.46 36,725.14 -1,530.21 13,729.87	1,319.94
26 11 16 11-0063	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	65,111.60 37,203.51 -1,550.15 13,951.86	1,552.87
26 11 16 11-0064	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	71,869.48 41,071.89 -1,711.33 15,401.33	1,708.16
26 11 16 11-0065	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	79,697.54 45,396.04 -1,891.50 17,048.96	2,018.73
26 11 16 11-0066	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	92,340.68 52,609.24 -2,192.05 19,755.92	2,329.31
26 11 16 11-0067	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	107,158.91 60,941.14 -2,539.21 22,904.12	2,795.18
26 11 16 11-0068	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	126,776.68 72,339.11 -3,014.13 27,145.49	3,105.75
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	164,722.68 94,920.37 -3,955.02 35,456.34	3,261.04
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	180,890.99 104,435.00 -4,351.46 38,976.10	3,416.33
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	202,025.03 116,929.09 -4,872.05 43,588.32	3,571.61
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	233,071.73 135,370.76 -5,640.45 50,381.32	3,726.89
26 11 16 11-0073			Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	68,498.66 39,422.09 -1,642.59 14,734.28	1,397.58
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	70,813.50 40,717.82 -1,696.58 15,224.91	1,475.23
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	75,705.22 43,373.33 -1,807.22 16,245.19	1,708.16

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	79,908.02	1,863.45
<i>For Gas Filled Transformers, Add</i>	45,708.68	
<i>For Single Phase Transformers, Deduct</i>	-1,904.53	
<i>For Dry Type Unit, Add</i>	17,132.54	
26 11 16 11-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	91,101.00	2,174.02
<i>For Gas Filled Transformers, Add</i>	52,051.77	
<i>For Single Phase Transformers, Deduct</i>	-2,168.82	
<i>For Dry Type Unit, Add</i>	19,520.45	
26 11 16 11-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	100,931.68	2,484.60
<i>For Gas Filled Transformers, Add</i>	57,577.49	
<i>For Single Phase Transformers, Deduct</i>	-2,399.06	
<i>For Dry Type Unit, Add</i>	21,608.67	
26 11 16 11-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	117,840.41	2,950.46
<i>For Gas Filled Transformers, Add</i>	67,163.69	
<i>For Single Phase Transformers, Deduct</i>	-2,798.49	
<i>For Dry Type Unit, Add</i>	25,216.78	
26 11 16 11-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	142,913.60	3,261.04
<i>For Gas Filled Transformers, Add</i>	81,834.92	
<i>For Single Phase Transformers, Deduct</i>	-3,409.79	
<i>For Dry Type Unit, Add</i>	30,658.34	
26 11 16 11-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	172,930.74	3,416.33
<i>For Gas Filled Transformers, Add</i>	99,658.85	
<i>For Single Phase Transformers, Deduct</i>	-4,152.45	
<i>For Dry Type Unit, Add</i>	37,224.84	
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	68,498.66	1,397.58
<i>For Gas Filled Transformers, Add</i>	39,422.09	
<i>For Single Phase Transformers, Deduct</i>	-1,642.59	
<i>For Dry Type Unit, Add</i>	14,734.28	
26 11 16 11-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	70,813.50	1,475.23
<i>For Gas Filled Transformers, Add</i>	40,717.82	
<i>For Single Phase Transformers, Deduct</i>	-1,696.58	
<i>For Dry Type Unit, Add</i>	15,224.91	
26 11 16 11-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	75,705.22	1,708.16
<i>For Gas Filled Transformers, Add</i>	43,373.33	
<i>For Single Phase Transformers, Deduct</i>	-1,807.22	
<i>For Dry Type Unit, Add</i>	16,245.19	
26 11 16 11-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	79,908.02	1,863.45
<i>For Gas Filled Transformers, Add</i>	45,708.68	
<i>For Single Phase Transformers, Deduct</i>	-1,904.53	
<i>For Dry Type Unit, Add</i>	17,132.54	
26 11 16 11-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	91,101.00	2,174.02
<i>For Gas Filled Transformers, Add</i>	52,051.77	
<i>For Single Phase Transformers, Deduct</i>	-2,168.82	
<i>For Dry Type Unit, Add</i>	19,520.45	
26 11 16 11-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	88,376.08	2,484.60
<i>For Gas Filled Transformers, Add</i>	50,044.13	
<i>For Single Phase Transformers, Deduct</i>	-2,085.17	
<i>For Dry Type Unit, Add</i>	18,846.43	
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	92,046.32	2,950.46
<i>For Gas Filled Transformers, Add</i>	51,687.24	
<i>For Single Phase Transformers, Deduct</i>	-2,153.64	
<i>For Dry Type Unit, Add</i>	19,542.08	
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	113,360.96	3,261.04
<i>For Gas Filled Transformers, Add</i>	64,103.33	
<i>For Single Phase Transformers, Deduct</i>	-2,670.97	
<i>For Dry Type Unit, Add</i>	24,156.76	
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	134,626.61	3,416.33
<i>For Gas Filled Transformers, Add</i>	76,676.38	
<i>For Single Phase Transformers, Deduct</i>	-3,194.85	
<i>For Dry Type Unit, Add</i>	28,797.94	
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	150,602.62	3,571.61
<i>For Gas Filled Transformers, Add</i>	86,075.64	
<i>For Single Phase Transformers, Deduct</i>	-3,586.49	
<i>For Dry Type Unit, Add</i>	32,275.39	
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	177,012.58	3,726.89
<i>For Gas Filled Transformers, Add</i>	101,735.27	
<i>For Single Phase Transformers, Deduct</i>	-4,238.97	
<i>For Dry Type Unit, Add</i>	38,048.31	
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	217,373.21	3,882.18
<i>For Gas Filled Transformers, Add</i>	125,765.30	
<i>For Single Phase Transformers, Deduct</i>	-5,240.22	
<i>For Dry Type Unit, Add</i>	46,890.38	

26 12 Medium-Voltage Transformers (26 10)**26 12 13 Liquid-Filled, Medium-Voltage Transformers** (26 12)**26 12 13 00-0001 Removal And Relocation Of Transformers** (26 12 13)

26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,579.56
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,906.83



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers (26 12 13)				
<i>Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.</i>				
26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)				
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	7,697.06	636.13
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,220.69	795.16
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	10,704.83	954.19
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	13,877.15	1,192.74
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	16,463.97	1,431.28
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	22,999.41	1,669.82
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	27,238.74	1,987.88
26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)				
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,697.06	636.13
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,397.11	795.16
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,704.83	954.19
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,877.15	1,192.74
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,463.97	1,431.28
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,185.97	1,669.82
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,317.86	1,987.88
26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)				
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,491.23	636.13
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,662.01	795.16
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,152.30	954.19
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,749.64	1,192.74
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,925.61	1,431.28
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,525.99	1,669.82
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,402.86	1,987.88
26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)				
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,446.86	636.13
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,647.05	795.16
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,732.92	954.19
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,046.91	1,192.74
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,500.87	1,431.28
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	25,334.63	1,669.82
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	32,551.27	1,987.88
26 12 13 00-0037 Transformer Platforms (26 12 13 00-0004)				
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA.....	5,858.87	1,074.26
26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN (26 12 13 00-0004)				
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,318.30	636.13
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,438.29	795.16
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,734.45	954.19
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,045.03	1,192.74
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,659.25	1,510.79
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	25,339.30	1,669.82
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	32,551.27	1,987.88
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	43,554.97	2,544.49
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	55,729.43	3,419.17
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	65,289.65	3,975.78
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	83,033.64	4,293.84
26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)				
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	7,697.06	778.94
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,220.69	973.58
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	10,704.19	1,167.13
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	13,878.68	1,462.61
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	16,462.50	1,752.04
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	22,997.41	2,040.53
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	27,238.74	2,434.13

26	26 Electrical
	26 10 Medium-Voltage Electrical Distribution
	26 12 Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,697.06	778.94
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,397.11	973.58
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,704.19	1,167.13
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,878.68	1,462.61
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,462.50	1,752.04
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,183.97	2,040.53
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,317.86	2,434.13
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,150.67	636.13
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,324.12	795.16
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,455.31	954.19
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,076.46	1,192.74
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,888.30	1,431.28
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,044.72	1,669.82
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	25,360.62	1,987.88
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,682.87	636.13
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,736.04	795.16
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,188.00	954.19
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,541.84	1,192.74
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,153.19	1,431.28
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	19,371.61	1,669.82
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,687.52	1,987.88
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt <small>(26 12 13 00-0084)</small>		
<small>Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.</small>		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	28,006.86	2,226.43
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	35,079.38	2,385.46
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	46,569.90	3,021.59
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	60,803.16	3,816.75
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	89,641.12	4,293.84
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	136,840.61	5,725.11
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer.....	644.44	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	2,864.19	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small>		
<small>Note: Designed for residential and multi-family buildings. UL listed.</small>		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small>		
<small>Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.</small>		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small>		
<small>Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.</small>		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	18,192.17	776.44
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	19,763.45	931.73
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	23,567.41	1,087.02
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	29,222.62	1,164.66
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	33,203.32	1,242.29
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	43,449.43	1,630.52
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	3,984.20	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	4,186.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications.....	4,604.92	
26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>		
<small>Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.</small>		
26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
<small>Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.</small>		
26 12 19 00-0016 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	22,982.98	776.44
26 12 19 00-0017 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	25,817.54	776.44
26 12 19 00-0018 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	27,697.71	1,063.72
26 12 19 00-0019 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	34,703.32	1,063.72
26 12 19 00-0020 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	38,978.45	1,397.58
26 12 19 00-0021 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	46,738.79	1,397.58
26 12 19 00-0022 EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	75,736.44	1,941.10
26 12 19 00-0023 Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	5,312.26	
26 12 19 00-0025 EA Lightning Arrestors, Factory Modifications.....	1,345.98	
26 12 19 00-0026 EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	4,186.29	
26 12 19 00-0027 EA Loop Feed Air Switch, Factory Modifications.....	6,813.55	
26 12 19 00-0028 EA Loadbreaker Inserts (Two), Factory Modifications.....	1,818.87	
26 12 19 00-0029 EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	1,573.47	
26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
<small>Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.</small>		
26 12 19 00-0031 EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	24,940.86	776.44
26 12 19 00-0032 EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	26,478.65	776.44
26 12 19 00-0033 EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	27,441.61	1,063.72
26 12 19 00-0034 EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	33,153.09	1,063.72
26 12 19 00-0035 EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	42,214.95	1,397.58
26 12 19 00-0036 EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	52,464.86	1,397.74
26 12 19 00-0037 EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	66,616.97	1,941.10
26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>		
<small>Note: Conventional type.</small>		
26 12 19 00-0039 13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>		
<small>Note: 2.5 Taps FCBN and FCAN.</small>		
26 12 19 00-0040 EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,574.30	535.79
26 12 19 00-0041 EA 15 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,477.21	753.45
26 12 19 00-0042 EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	31,429.60	1,205.52
26 12 19 00-0043 EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	56,671.02	1,205.52
26 12 19 00-0044 EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	78,205.18	1,975.72
26 12 19 00-0045 EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	105,354.55	1,975.72
26 12 19 00-0046 Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047 7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048 EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,053.02	569.27
26 12 19 00-0049 EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,513.40	569.27
26 12 19 00-0050 EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,685.70	803.68
26 12 19 00-0051 EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	26,574.46	803.68
26 12 19 00-0052 EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	30,592.99	1,088.32
26 12 19 00-0053 EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	55,339.72	1,674.33
26 12 19 00-0054 EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	77,162.62	1,674.33
26 12 19 00-0055 EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	103,745.25	2,092.92
26 12 19 00-0056 7.2 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057 EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,053.02	569.27
26 12 19 00-0058 EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,513.93	569.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,685.70	803.68
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,574.46	803.68
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,592.99	1,088.32
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	47,568.63	1,473.41
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,339.72	1,473.41
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	77,162.62	1,858.51
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	103,745.25	2,092.92
26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,688.85	569.27
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,296.13	569.27
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,799.32	803.68
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	29,274.54	803.68
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	33,696.53	1,088.32
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	52,215.88	1,473.41
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	61,056.32	1,473.41
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	85,186.35	1,858.51
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	114,622.37	2,092.92
26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,053.02	569.27
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,513.40	569.27
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,685.70	1,093.51
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,574.46	1,473.41
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,592.99	1,088.32
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	47,336.45	1,473.41
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,329.03	1,473.41
26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,053.02	569.27
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,513.40	569.27
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,685.70	803.68
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,574.46	803.68
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,592.99	1,088.32
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	47,336.45	1,473.41
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,329.03	1,473.41
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,510.50	586.02
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,641.83	652.99
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,913.55	719.97
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,658.16	1,004.60
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,176.45	1,172.03
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,184.82	1,372.95
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	42,470.76	1,573.87
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,210.14	2,009.20
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	93,696.54	2,260.35
26 13 Medium-Voltage Switchgear <small>(26 10)</small>		
26 13 16 Medium-Voltage Fusible Interrupter Switchgear <small>(26 13)</small>		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small>		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003 EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,331.01	1,741.30
For Weatherproofing, Add	2,908.65	
26 13 16 00-0004 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,993.70	1,741.30
For Weatherproofing, Add	3,054.44	
26 13 16 00-0005 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,271.31	2,218.49
For Weatherproofing, Add	4,165.95	
26 13 16 00-0006 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,348.73	2,218.49
For Weatherproofing, Add	5,685.64	
26 13 16 00-0007 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	38,807.12	2,678.93
For Weatherproofing, Add	8,161.91	
26 13 16 00-0008 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	35,620.98	2,678.93
For Weatherproofing, Add	7,441.99	
26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	21,008.15	2,009.20
For Weatherproofing, Add	4,352.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0011 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	25,881.33 5,341.93	2,511.50
26 13 16 00-0012 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	36,058.62 7,521.66	3,013.80
26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	20,386.25 4,193.42	2,009.20
26 13 16 00-0015 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	27,821.17 5,780.94	2,009.20
26 13 16 00-0016 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	40,237.68 8,457.67	2,678.93
26 13 16 00-0017 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	25,667.30 5,274.73	2,678.93
26 13 16 00-0018 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	36,794.87 7,674.79	3,348.67
26 13 16 00-0019 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	51,025.05 10,754.81	3,348.67
26 13 16 00-0020 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	35,543.63 7,385.51	3,348.67
26 13 16 00-0021 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	48,810.97 10,256.10	3,348.67
26 13 16 00-0022 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	62,882.45 13,306.20	3,348.67
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	6,609.20 1,300.21	1,096.69
26 13 16 00-0025 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	8,405.78 1,695.46	1,096.69
26 13 16 00-0026 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,263.84 1,834.57	1,456.67
26 13 16 00-0027 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	11,479.14 2,273.36	1,799.91
26 13 16 00-0028 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	15,115.27 3,073.31	1,799.91
26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	8,283.76 1,647.24	1,674.33
26 13 16 00-0031 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	10,819.82 2,155.83	1,674.33
26 13 16 00-0032 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	16,227.13 3,296.77	1,674.33
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	8,614.07 1,696.78	1,423.19
26 13 16 00-0035 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,134.02 1,811.17	1,423.19
26 13 16 00-0036 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	12,938.95 2,599.30	1,758.05
26 13 16 00-0037 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	11,840.40 2,308.92	2,109.66
26 13 16 00-0038 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	14,290.63 2,847.97	2,109.66
26 13 16 00-0039 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	16,453.59 3,274.06	2,461.27
26 13 16 00-0040 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	15,700.00 3,059.38	2,812.88
26 13 16 00-0041 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	17,378.97 3,428.75	2,812.88
26 13 16 00-0042 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	21,240.29 4,228.91	3,147.75
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,403.45 636.63	1,061.02

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 13	Medium-Voltage Switchgear



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,419.57	1,177.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	706.47	
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	7,005.22	1,416.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	849.92	
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section	5,136.44	2,130.25
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,811.38	140.55
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,398.37	140.55
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	11,647.13	140.55
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,171.27	140.55
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,004.35	140.55
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	13,587.71	140.55
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,225.45	140.55
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,504.40	140.55
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,760.42	140.55
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67	2,437.30	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 16 00-0058 EA AC Ammeter With Switch.....	1,004.86	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer	1,004.86	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 16 00-0060 EA Indicating Wattmeter	1,445.15	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 16 00-0061 EA Indicating Varmeter.....	1,689.41	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element.....	1,092.31	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N	2,809.77	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87	4,553.54	140.55
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary	708.57	140.55
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	3,066.82	140.55
26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)		
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002 EA 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	49,390.42	2,092.92
26 13 19 00-0003 EA 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	54,618.44	2,645.45
26 13 19 00-0004 EA 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	62,044.63	2,645.45
26 13 19 00-0005 EA 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,451.69	2,092.92
26 13 19 00-0006 EA 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	63,350.13	2,092.92
26 13 19 00-0007 EA 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	72,233.71	2,461.27
26 13 19 00-0008 EA 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	74,690.17	2,812.88
26 13 19 00-0009 EA 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	81,623.65	2,812.88
26 13 19 00-0010 EA 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	89,237.26	3,164.49
26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)		
26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)		
Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003 EA 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	15,817.61	1,325.96
26 13 29 00-0004 EA 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	25,225.54	2,004.72
26 13 29 00-0005 EA 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	34,173.78	2,462.49
26 13 29 00-0006 EA 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	56,181.47	2,857.12
26 13 29 00-0007 EA 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	72,045.72	3,251.75
26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)		
26 13 29 00-0009 EA 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,012.47	402.53
26 13 29 00-0010 EA 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,102.64	402.53
26 13 29 00-0011 EA 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,598.77	591.94
26 13 29 00-0012 EA 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,053.00	591.94
26 13 29 00-0013 EA 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	25,037.99	868.18
26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)		
Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	7,970.22	449.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.24	
26 13 29 00-0016 EA 3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	10,008.96	449.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.98	
26 13 29 00-0017 EA 4,000 Amperes, Blank Section Filler, Secondary Distribution Section	12,991.86	694.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	434.09	
26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section.....	4,437.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section.....	3,438.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	11,028.88	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	11,028.88	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	14,607.29	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	18,939.05	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	8,161.57	160.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.14	
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	24,045.88	2,373.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,424.27	
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	4,964.42	140.55
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	5,841.24	140.55
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	3,122.56	70.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.17	
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	23,804.43	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	2,971.89	70.27

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 36 Medium-Voltage Enclosed Fuses (26 18)

26 18 36 00-0001 Sectionalizing Switch <small>(26 18 36)</small>		
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units <small>(26 18 36 00-0001)</small>		
<i>Note: 15 KV - 25 KV.</i>		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders <small>(26 18 36 00-0002)</small>		
<i>Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.</i>		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	72,684.31	1,164.66
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	81,747.34	1,164.66

26 19 High-Voltage Circuit Protection (26 10)

26 19 18 Protection Devices (26 19)

26 19 18 00-0001 Primary Fuse Cutouts <small>(26 19 18)</small>		
<i>Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.</i>		
26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 19 18 00-0001)</small>		
<i>Note: Includes the fuse and cut-out switch.</i>		
26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0004 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	883.24	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92	
26 19 18 00-0005 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	1,050.66	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.15	
26 19 18 00-0006 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	1,217.54	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.21	
26 19 18 00-0007 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	1,238.04	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.39	
26 19 18 00-0008 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	1,238.04	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.39	
26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0010 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting.....	883.24	334.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92	
26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0012 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting.....	910.17	334.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92	
26 19 18 00-0013 Fuseholders <small>(26 19 18 00-0002)</small>		
<i>Note: Including current limiting fuse.</i>		
26 19 18 00-0014 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	769.76	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92	
26 19 18 00-0015 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	937.18	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.15	
26 19 18 00-0016 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	1,104.06	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.21	
26 19 18 00-0017 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	779.08	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92	
26 19 18 00-0018 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	946.50	418.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.15	
26 19 18 00-0019 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	769.76	334.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 19 High-Voltage Circuit Protection**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 19 18 00-0020		Accessories (26 19 18 00-0002)			
26 19 18 00-0021	EA	Hot Line Clamp .....111.49			37.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.11		
26 19 18 00-0022	EA	Stirrup .....120.04			37.67
26 19 18 00-0023		Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001)			
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.			
26 19 18 00-0024		8.3 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)			
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....1,092.90			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92		
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....1,260.32			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.15		
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....1,427.20			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.21		
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....1,467.23			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.39		
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....1,467.23			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.39		
26 19 18 00-0030		17.1 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)			
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting .....1,092.90			334.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92		
26 19 18 00-0032		17.1 KV-125 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)			
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting .....1,092.90			334.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92		
26 19 18 00-0034		Fuseholders (26 19 18 00-0023)			
		Note: Includes current limiting fuses.			
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....779.38			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92		
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....946.80			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.15		
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....1,113.68			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.21		
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....779.38			418.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.92		
26 19 18 00-0039		Pole Mounted Capacitors (26 19 18 00-0023)			
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR .....1,870.07			337.55
26 19 80		Transmission and Distribution Accessories (26 19)			
26 19 80 60		Structure Assemblies (26 19 80)			
26 19 80 60-0001		Pole Structure Assemblies (26 19 80 60)			
26 19 80 60-0002		5 KV Pole Structure Assemblies (26 19 80 60-0001)			
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....674.13			318.13
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,127.79			535.79
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,216.64			418.58
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....684.21			217.66
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....878.79			301.38
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,565.25			602.76
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,219.50			452.07
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....2,262.06			904.14
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....2,565.60			1,021.34
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,384.05			502.30
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,212.42			535.79
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....2,307.67			1,088.32
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,696.87			652.99
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,080.22			468.82
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....2,061.37			954.37
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,558.84			485.56
26 19 80 60-0019		15 KV Pole Structure Assemblies (26 19 80 60-0001)			
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....701.06			318.13
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,166.26			535.79
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,347.43			418.58
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....730.37			217.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0024 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	944.19	284.64
26 19 80 60-0025 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,696.04	602.76
26 19 80 60-0026 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,315.67	452.07
26 19 80 60-0027 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,458.25	904.14
26 19 80 60-0028 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,831.04	1,021.34
26 19 80 60-0029 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,514.84	502.30
26 19 80 60-0030 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,262.43	535.79
26 19 80 60-0031 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,357.68	1,088.32
26 19 80 60-0032 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,796.89	652.99
26 19 80 60-0033 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,130.23	452.07
26 19 80 60-0034 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,111.38	954.37
26 19 80 60-0035 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,658.86	586.02
26 19 80 60-0036 25 KV Pole Structure Assemblies (26 19 80 60-0001)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,972.62	502.30
26 19 80 60-0038 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,188.38	251.15
26 19 80 60-0039 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,727.33	385.10
26 19 80 60-0040 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,371.61	786.93
26 19 80 60-0041 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,201.06	586.02
26 19 80 60-0042 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,633.41	1,155.29
26 19 80 60-0043 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,533.76	1,305.98
26 19 80 60-0044 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,433.16	761.83
26 19 80 60-0045 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,136.84	761.83
26 19 80 60-0046 50 KV Pole Structure Assemblies (26 19 80 60-0001)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,650.55	686.48
26 19 80 60-0048 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,432.62	351.61
26 19 80 60-0049 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,858.67	552.53
26 19 80 60-0050 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,517.31	1,121.80
26 19 80 60-0051 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,689.91	837.16
26 19 80 60-0052 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,191.33	1,674.33
26 19 80 60-0053 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	6,098.11	1,858.51
26 19 80 60-0054 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,092.99	904.14
26 19 80 60-0055 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,166.20	1,046.46
26 19 80 60-0056 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,043.09	987.85
26 19 80 60-0057 Overhead To Underground Conversion Structures (26 19 80 60)		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058 5 KV Structures (26 19 80 60-0057)		
Note: Excludes pole.		
26 19 80 60-0059 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,651.04	3,348.67
26 19 80 60-0060 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,651.04	3,348.67
26 19 80 60-0061 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,651.04	3,348.67
26 19 80 60-0062 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,651.04	3,348.67
26 19 80 60-0063 15 KV Structures (26 19 80 60-0057)		
Note: Excludes pole.		
26 19 80 60-0064 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,832.05	3,348.67
26 19 80 60-0065 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,832.05	3,348.67
26 19 80 60-0066 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,832.05	3,348.67
26 19 80 60-0067 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,832.05	3,348.67
26 19 80 60-0068 25 KV Structures (26 19 80 60-0057)		
Note: Excludes pole.		
26 19 80 60-0069 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,029.51	3,348.67
26 19 80 60-0070 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,029.51	3,348.67
26 19 80 60-0071 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,029.51	3,348.67
26 19 80 60-0072 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	7,029.51	3,348.67
26 19 80 60-0073 Transformer Stations (26 19 80 60)		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074 5 KV Station (26 19 80 60-0073)		
26 19 80 60-0075 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	10,461.50	4,463.78
26 19 80 60-0076 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	11,731.03	5,023.00
26 19 80 60-0077 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	13,000.57	5,580.56
26 19 80 60-0078 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	13,000.57	5,580.56
26 19 80 60-0079 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	10,461.50	4,463.78

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 19	High-Voltage Circuit Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 19 80 60-0080		15 KV Stations <small>(26 19 80 60-0073)</small>		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,741.27	4,462.51
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	12,010.80	5,023.00
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	13,280.34	5,580.56
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	13,280.34	5,580.56
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,741.27	4,463.78

26 19 80 60-0086		25 KV Stations <small>(26 19 80 60-0073)</small>		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	11,046.47	4,463.78
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	12,316.00	5,023.00
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	13,585.54	5,580.56
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	13,585.54	5,580.56
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	11,046.47	4,463.78

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001		Service Drop Cable And Weatherheads <small>(26 21 13)</small>		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors <small>(26 21 13 00-0001)</small>		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	11.40	3.98
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.97	4.72
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	17.10	5.32
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	23.78	6.69

26 21 13 00-0008		Aluminum Triplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	14.31	4.72
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	16.66	5.32
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.28	6.69
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	27.32	8.16
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	35.24	10.81
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	45.96	13.39
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	66.43	15.95

26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	16.74	5.32
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.27	6.69
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	27.64	8.59
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	37.21	10.81
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	41.62	11.96
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	49.25	13.39
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	57.43	15.95
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	77.72	17.62

26 21 13 00-0025		Weatherproof Conduit Hubs <small>(26 21 13 00-0002)</small>		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs.....	70.50	27.08
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs.....	80.36	30.76
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs.....	92.63	34.46
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs.....	128.12	46.15
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs.....	140.39	49.84
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs.....	177.73	57.84
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs.....	227.41	65.22
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs.....	289.59	76.91
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs.....	522.74	153.82

26 21 13 00-0035		Service Entrance Cap, Threaded Weatherhead, Galvanized <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service.....	76.99	27.08
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service.....	88.14	30.76
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	100.48	34.46
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	134.92	46.15
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	151.25	49.84
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service.....	194.37	57.84
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service.....	308.73	65.22
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service.....	352.97	76.91
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service.....	595.93	153.82

26 21 13 00-0045		Service Entrance Cap, Clamp-On Weatherhead, Aluminum <small>(26 21 13 00-0002)</small>		
------------------	--	--	--	--



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Electrical Service Entrance	26 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 21	13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	74.96	27.08	
26 21	13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	84.72	30.76	
26 21	13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	95.85	34.30	
26 21	13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	127.61	46.15	
26 21	13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	141.38	49.84	
26 21	13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	166.16	57.84	
26 21	13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	255.82	65.22	
26 21	13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	326.36	76.91	
26 21	13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	463.50	115.36	
26 21	13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	564.26	153.82	
26 21	13 00-0056		Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) ^(26 21 13 00-0002)			
26 21	13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	73.01	27.08	
26 21	13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	83.44	30.76	
26 21	13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	94.54	34.30	
26 21	13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	126.05	46.15	
26 21	13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	137.11	49.84	
26 21	13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	166.70	57.84	
26 21	13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	264.84	65.22	
26 21	13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	298.47	76.91	
26 21	13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	505.46	115.36	
26 21	13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	697.44	153.82	
26 21	16		Low-Voltage Underground Electrical Service Entrance ^(26 21)			
26 21	16 00-0001		Aluminum Triplex For Underground Service, Direct Burial ^(26 21 16)			
Note: Excludes excavation and backfill.						
26 21	16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	6,723.52	1,488.32	
26 21	16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	7,930.68	1,575.88	
26 21	16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	9,720.23	1,674.33	
26 21	16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	12,091.78	1,674.33	
26 21	16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	13,602.90	1,786.01	
26 21	16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	16,273.56	2,060.77	
26 21	16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	19,666.44	2,678.93	
26 22			Low-Voltage Transformers ^(26 22)			
26 22	13		Low-Voltage Distribution Transformers ^(26 22)			
26 22	13 00-0001		Single Phase General Purpose "Dry Type" Transformers ^(26 22 13)			
Note: 60 Hz type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.						
26 22	13 00-0002		480 Volt, 120/240 Volt, General Purpose Dry Type Transformers ^(26 22 13 00-0001)			
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.						
26 22	13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,759.56	393.04	
26 22	13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,425.30	471.66	
26 22	13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,102.00	492.09	
26 22	13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,784.79	510.96	
26 22	13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	5,431.24	550.26	
26 22	13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,495.49	589.57	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	265.82	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	398.73	
26 22	13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,125.65	628.87	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	293.40	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	440.09	
26 22	13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,885.04	707.48	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	273.50	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	410.26	
26 22	13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	8,228.25	786.09	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	332.80	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	499.20	
26 22	13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	10,909.00	943.31	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	451.12	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	676.68	
26 22	13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	13,870.17	1,100.53	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	583.46	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	875.18	
26 22	13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	22,185.35	1,414.96	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	967.77	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,451.66	
26 22	13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	40,177.91	1,729.40	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,835.96	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,753.93	
26 22	13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	63,171.29	1,965.23	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,962.04	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,443.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0017			240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018	EA		3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,972.26	471.66
26 22 13 00-0019	EA		5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,376.05	491.30
26 22 13 00-0020	EA		7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,973.29	510.96
26 22 13 00-0021	EA		10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,522.97	550.26
26 22 13 00-0022			240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA		15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	6,761.30	589.57
26 22 13 00-0024	EA		25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	7,419.04	628.87
26 22 13 00-0025			1 Phase Mounting Brackets (26 22 13 00-0001)		
26 22 13 00-0026	EA		1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	736.07	281.10
26 22 13 00-0027			1 Phase Weathershields (26 22 13 00-0001) Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA		37.5 KVA 1 Phase Weathershields, Set Of 2	191.51	
26 22 13 00-0029	EA		50 KVA 1 Phase Weathershields, Set Of 2	244.11	
26 22 13 00-0030	EA		75 KVA 1 Phase Weathershields, Set Of 2	291.10	
26 22 13 00-0031	EA		100 KVA 1 Phase Weathershields, Set Of 2	347.27	
26 22 13 00-0032	EA		167 KVA 1 Phase Weathershields, Set Of 2	469.84	
26 22 13 00-0033	EA		250 KVA 1 Phase Weathershields, Set Of 2	561.77	
26 22 13 00-0034	EA		333 KVA 1 Phase Weathershields, Set Of 2	689.44	
26 22 13 00-0035			Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA		5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	3,798.13	491.30
26 22 13 00-0037	EA		7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,314.08	510.96
26 22 13 00-0038	EA		10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	4,676.58	550.26
26 22 13 00-0039	EA		15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	5,820.45	589.57
26 22 13 00-0040	EA		25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,180.65	628.87
26 22 13 00-0041			240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)		
26 22 13 00-0042	EA		0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,826.87	353.74
26 22 13 00-0043	EA		1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	4,080.09	393.04
26 22 13 00-0044	EA		2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	4,748.00	471.66
26 22 13 00-0045	EA		5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	5,272.46	491.30
26 22 13 00-0046	EA		7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	5,975.68	510.96
26 22 13 00-0047	EA		10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	7,790.66	550.26
26 22 13 00-0048	EA		15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	10,208.25	589.57
26 22 13 00-0049			1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0050	EA		15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	12,671.56	589.57
26 22 13 00-0051	EA		25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	13,131.09	628.87
26 22 13 00-0052	EA		30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	13,631.15	668.17
26 22 13 00-0053	EA		37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	18,117.65	707.48
26 22 13 00-0054	EA		45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	18,818.51	746.79
26 22 13 00-0055	EA		50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	25,251.54	786.09
26 22 13 00-0056			3 Phase General Purpose "Dry Type" Transformer (26 22 13) Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057			Packaged Power Supply (26 22 13 00-0056) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA		15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	16,875.58	1,690.09
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	674.77	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,012.15	
26 22 13 00-0059	EA		22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	20,339.71	1,808.00
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	836.18	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,254.28	
26 22 13 00-0060	EA		30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	24,450.18	1,965.23
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,025.99	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,538.98	
26 22 13 00-0061			Drive Isolation Transformers (26 22 13 00-0056) Note: Only use in step-up applications.		
26 22 13 00-0062			230 Volt Drive Isolation Transformers (26 22 13 00-0061)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,893.05	628.87
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,399.72	668.17
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,763.93	707.48
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,697.11	746.79
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,147.55	825.40
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,454.82	904.00
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,340.94	982.61
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,010.17	1,100.53
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,570.14	1,139.83
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,737.15	1,179.13
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	29,844.03	1,218.44
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	33,513.16	1,493.57
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	37,375.69	1,572.19
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	42,807.18	1,650.79
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	52,213.81	1,965.23
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	69,159.18	2,318.96
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	73,004.85	2,554.79
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	88,890.47	2,829.93
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	109,694.84	3,144.36
26 22 13 00-0082 208V Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0083 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,281.69	628.87
26 22 13 00-0084 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,861.05	668.17
26 22 13 00-0085 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,239.80	707.48
26 22 13 00-0086 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,267.37	746.79
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,732.74	825.40
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,019.94	864.70
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,151.27	1,021.92
26 22 13 00-0090 EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,865.75	1,100.53
26 22 13 00-0091 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	21,501.13	1,139.83
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,825.33	1,179.13
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	31,239.06	1,218.44
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	35,066.93	1,493.57
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	39,118.07	1,572.19
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	44,818.02	1,650.79
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	54,671.43	1,965.23
26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,272.14	648.53
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	8,241.39	707.48
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	341.32	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	511.98	
26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,228.05	864.70
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	374.93	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	562.40	
<i>For K4 Factor Rating, Add</i>	5,249.06	
<i>For K13 Factor Rating, Add</i>	7,498.65	
<i>For K20 Factor Rating, Add</i>	9,748.25	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,155.37	943.31
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	463.44	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	695.16	
<i>For K4 Factor Rating, Add</i>	6,488.13	
<i>For K13 Factor Rating, Add</i>	9,268.75	
<i>For K20 Factor Rating, Add</i>	12,049.38	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,657.88	1,021.92
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	480.70	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	721.05	
<i>For K4 Factor Rating, Add</i>	6,729.84	
<i>For K13 Factor Rating, Add</i>	9,614.05	
<i>For K20 Factor Rating, Add</i>	12,498.27	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	15,341.33	1,100.53
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	657.01	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	985.52	
<i>For K4 Factor Rating, Add</i>	9,198.19	
<i>For K13 Factor Rating, Add</i>	13,140.27	
<i>For K20 Factor Rating, Add</i>	17,082.35	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	15,115.49	1,179.13
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	637.86	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	956.79	
<i>For K4 Factor Rating, Add</i>	8,930.05	
<i>For K13 Factor Rating, Add</i>	12,757.22	
<i>For K20 Factor Rating, Add</i>	16,584.39	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	18,822.59	1,414.96
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	799.63	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,199.45	
For K4 Factor Rating, Add	11,194.86	
For K13 Factor Rating, Add	15,992.66	
For K20 Factor Rating, Add	20,790.46	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	24,473.03	1,572.19
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,066.43	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,599.65	
For K4 Factor Rating, Add	14,930.07	
For K13 Factor Rating, Add	21,328.67	
For K20 Factor Rating, Add	27,727.27	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	33,400.00	1,965.23
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,473.48	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,210.22	
For K4 Factor Rating, Add	20,628.69	
For K13 Factor Rating, Add	29,469.55	
For K20 Factor Rating, Add	38,310.42	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	40,706.54	2,436.88
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,791.64	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,687.46	
For K4 Factor Rating, Add	25,082.95	
For K13 Factor Rating, Add	35,832.78	
For K20 Factor Rating, Add	46,582.61	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	58,445.59	2,987.14
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,623.57	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,935.35	
For K4 Factor Rating, Add	36,729.91	
For K13 Factor Rating, Add	52,471.30	
For K20 Factor Rating, Add	68,212.69	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	135,221.54	3,571.61
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	6,399.48	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	9,599.21	
For K4 Factor Rating, Add	89,592.66	
For K13 Factor Rating, Add	127,989.51	
For K20 Factor Rating, Add	166,386.36	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	178,262.32	3,930.45
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	8,520.07	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	12,760.11	
For K4 Factor Rating, Add	119,280.99	
For K13 Factor Rating, Add	170,401.41	
For K20 Factor Rating, Add	221,521.83	
26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,096.00	609.22
For K4 Factor Rating, Add	2,714.29	
For K13 Factor Rating, Add	3,877.56	
For K20 Factor Rating, Add	5,040.83	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,272.14	648.53
For K4 Factor Rating, Add	3,482.56	
For K13 Factor Rating, Add	4,975.09	
For K20 Factor Rating, Add	6,467.62	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	8,241.39	707.48
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	341.32	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	511.98	
For K4 Factor Rating, Add	4,778.50	
For K13 Factor Rating, Add	6,826.43	
For K20 Factor Rating, Add	8,874.36	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	16,003.39	864.70
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	713.70	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,070.55	
For K4 Factor Rating, Add	9,991.79	
For K13 Factor Rating, Add	14,273.99	
For K20 Factor Rating, Add	18,556.19	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,927.94	1,021.92
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	794.21	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,191.31	
For K4 Factor Rating, Add	11,118.88	
For K13 Factor Rating, Add	15,884.11	
For K20 Factor Rating, Add	20,649.34	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	26,516.11	1,179.13
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,207.89	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,811.84	
For K4 Factor Rating, Add	16,910.49	
For K13 Factor Rating, Add	24,157.84	
For K20 Factor Rating, Add	31,405.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	33,301.61 1,523.58 2,285.38 21,330.18 30,471.68 39,613.18	1,414.96
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	40,134.92 1,849.53 2,774.29 25,893.39 36,990.56 48,087.73	1,572.19
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	51,456.14 2,376.28 3,564.43 33,267.98 47,525.69 61,783.40	1,965.23
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	62,554.67 2,884.05 4,326.07 40,376.64 57,680.91 74,985.18	2,436.88
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	100,712.09 4,736.89 7,105.34 66,316.46 94,737.80 123,159.14	2,987.14
26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,692.62	707.48
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,673.55	864.70
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	17,186.20	1,021.92
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	21,987.27	1,179.13
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	33,108.64	1,414.96
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	40,303.77	1,572.19
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	46,842.88	1,965.23
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	74,549.16	2,436.88
26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,952.98	707.48
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,663.59	864.70
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	20,213.47	1,021.92
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	25,907.04	1,179.13
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	39,163.18	1,414.96
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	47,739.27	1,572.19
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	55,424.15	1,965.23
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	88,485.45	2,436.88
26 22 13 00-0146 NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,817.22	698.79
26 22 13 00-0150 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,657.38	854.08
26 22 13 00-0151 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,602.38	1,009.37
26 22 13 00-0152 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,407.17	1,164.66
26 22 13 00-0153 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,813.06	1,397.58
26 22 13 00-0154 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,095.50	1,552.87
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,965.68	1,941.10
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,279.01	2,406.95

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,545.22	698.79
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,539.21	854.08
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,677.72	1,009.37
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,930.77	1,164.66
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,385.66	1,397.58
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,792.43	1,552.87
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,590.97	1,941.10
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	27,518.54	2,406.95
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,270.28	698.79
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,423.49	854.08
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,753.07	1,009.37
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,451.93	1,164.66
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,369.77	1,397.58
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,489.35	1,552.87
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,216.27	1,941.10
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	32,758.07	2,406.95
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,027.77	698.79
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,129.55	854.08
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,392.98	1,009.37
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,944.87	1,164.66
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,399.16	1,397.58
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,683.46	1,552.87
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,131.13	1,941.10
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	31,192.82	2,406.95
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,752.83	698.79
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,013.83	854.08
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,468.33	1,009.37
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,468.49	1,164.66
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,259.61	1,397.58
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,646.19	1,552.87
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,608.27	1,941.10
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	40,865.99	2,406.95



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Transformers	26 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,480.34	698.79
26 22 13 00-0196 EA 30 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,898.10	854.08
26 22 13 00-0197 EA 45 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,543.66	1,009.37
26 22 13 00-0198 EA 75 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,989.63	1,164.66
26 22 13 00-0199 EA 112.5 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	20,360.72	1,397.58
26 22 13 00-0200 EA 150 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,145.97	1,552.87
26 22 13 00-0201 EA 225 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	33,082.95	1,941.10
26 22 13 00-0202 EA 300 KVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	48,591.79	2,406.95
26 22 13 00-0203 3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,658.36	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,816.20	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,816.20	
26 22 13 00-0207 Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,447.47	281.10
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211 Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,038.73	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	494.13	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	1,976.53	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	5,694.49	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	697.60	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	552.26	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA	7,758.95	2,222.73
26 22 13 00-0220 EA Containment Area For 112.5 KVA	7,758.95	2,222.73
26 22 13 00-0221 EA Containment Area For 150 KVA	7,758.95	2,222.73
26 22 13 00-0222 EA Containment Area For 225 KVA	7,758.95	2,222.73
26 22 13 00-0223 EA Containment Area For 300 KVA	7,750.98	2,222.73
26 22 13 00-0224 EA Containment Area For 500 KVA	7,750.98	2,222.73
26 22 13 00-0225 EA Containment Area For 750 KVA	7,832.37	2,222.73
26 22 13 00-0226 EA Containment Area For 1,000 KVA	9,012.47	2,222.73
26 22 13 00-0227 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,794.63	1,863.45
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	20,538.62	1,863.45
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	21,701.28	1,863.45
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	25,189.27	1,863.45
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	27,021.91	2,795.18

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,184.57	2,795.18
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	42,136.52	2,795.18
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	53,866.52	3,726.89
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	68,981.13	3,726.89
26 22 13 00-0237 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	19,375.96	1,863.45
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	21,701.28	1,863.45
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,282.61	1,863.45
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,863.94	1,863.45
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	27,021.91	2,795.18
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	29,347.24	2,795.18
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	42,136.52	2,795.18
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	54,447.85	3,726.89
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	68,981.13	3,726.89
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	65,734.89	2,449.08
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	71,730.16	2,891.18
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	80,447.23	3,533.67
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	95,901.15	3,975.78
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	118,141.74	4,184.90
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	142,504.37	6,114.74
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	167,820.55	6,917.85
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	210,318.01	7,951.55
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	232,852.18	8,349.12
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	245,433.06	9,303.63
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	282,405.13	9,939.75
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	122,542.40	6,920.39
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	150,920.16	7,958.48
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	171,760.99	8,377.29
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	182,324.54	9,362.89
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	204,605.48	9,646.60
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase <small>(26 22 13 00-0209)</small> Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	114,091.14	2,891.18
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	122,296.50	3,533.67
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	143,355.52	3,975.78
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	174,003.75	4,184.90
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	208,096.57	6,114.74
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	265,028.00	6,917.85
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	322,608.84	7,951.55
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	369,370.03	8,349.12
26 22 13 00-0274 Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	451.36	51.23
Note: Excludes site prep.		

26 24 Switchboards and Panelboards (26 20)**26 24 13 Switchboards** (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

26 24 13 00-0002

Incoming Service Section Main Device Only (26 24 13 00-0001)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,713.20	1,345.48
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,184.61	1,423.15
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,027.81	1,614.36
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,643.44	1,730.65
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,398.76	1,845.24
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	14,890.58	1,961.99
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,563.15	1,345.48
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,975.88	1,423.15
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,536.33	1,615.74
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,803.53	1,730.65
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,398.76	1,847.09
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,890.58	1,961.99
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	17,738.00	2,051.21
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,053.34	2,197.49
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	23,552.25	2,368.85
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,341.93	1,192.12
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,664.37	1,269.18
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,201.13	1,461.00
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,507.09	1,522.38
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,774.39	1,577.28
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,211.09	1,691.11
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,629.47	1,807.09

26 24 13 00-0025

Branch Breaker Units (26 24 13 00-0001)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	369.67	46.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.15	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	544.20	73.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.30	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,429.45	134.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.75	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,505.75	175.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.21	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,523.10	430.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.38	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,110.87	430.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.38	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	11,563.84	767.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	460.55	

26 24 13 00-0033

Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)

26 24 13 00-0034

Incoming Service Section Main Device Only (26 24 13 00-0033)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,641.39	1,745.88
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,372.75	1,745.88
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,558.59	2,268.87
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,899.24	2,268.87

26 24 13 00-0039

Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)

26 24 13 00-0040

Incoming Service Section Main Device Only (26 24 13 00-0039)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,232.25	1,192.12
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,683.01	1,269.18
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,930.51	1,461.00
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,524.22	1,576.06
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	5,039.10	1,192.12
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,244.98	1,269.18
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,606.27	1,461.00
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,094.63	1,576.06
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	14,157.79	1,768.95
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,066.01	1,038.14
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,411.55	1,115.36
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,003.80	1,307.18
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,290.38	1,368.55
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,565.30	1,423.15
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,942.92	1,522.38
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,309.74	1,614.36
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,588.45	1,999.68
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,351.92	2,191.95
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	8,542.10	2,365.01



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0060			Branch Breaker Units (26 24 13 00-0039) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA		15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker.....	206.68	40.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.46	
26 24 13 00-0062	EA		70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker.....	329.84	67.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.61	
26 24 13 00-0063	EA		125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker.....	947.77	94.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.76	
26 24 13 00-0064	EA		100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,648.05	121.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.91	
26 24 13 00-0065	EA		300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	4,224.69	296.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.65	
26 24 13 00-0066	EA		400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	5,941.83	296.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.65	
26 24 13 00-0067	EA		600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	9,837.07	565.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	339.21	
26 24 13 00-0068			Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069			Incoming Service Section Main Device Only (26 24 13 00-0068) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,715.08	1,345.48
26 24 13 00-0071	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,182.50	1,423.15
26 24 13 00-0072	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,025.09	1,614.36
26 24 13 00-0073	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,640.32	1,730.65
26 24 13 00-0074	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	13,391.67	1,845.24
26 24 13 00-0075	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	14,890.58	1,961.99
26 24 13 00-0076	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,565.03	1,345.48
26 24 13 00-0077	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,973.77	1,423.15
26 24 13 00-0078	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,536.33	1,615.74
26 24 13 00-0079	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,800.41	1,730.65
26 24 13 00-0080	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,395.21	1,847.09
26 24 13 00-0081	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,890.58	1,961.99
26 24 13 00-0082	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,475.40	1,192.12
26 24 13 00-0083	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,853.75	1,269.18
26 24 13 00-0084	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,484.11	1,461.00
26 24 13 00-0085	EA		1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,799.82	1,522.38
26 24 13 00-0086	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,102.82	1,577.28
26 24 13 00-0087	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,528.60	1,691.11
26 24 13 00-0088	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,960.63	1,807.09
26 24 13 00-0089	EA		2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	7,030.09	2,053.52
26 24 13 00-0090	EA		3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	7,740.47	2,197.34
26 24 13 00-0091	EA		4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	9,022.67	2,361.16
26 24 13 00-0092			Branch Breaker Units (26 24 13 00-0068) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA		15 To 60 Amperes, 120/208 Volt, MC Branch Breaker.....	369.67	46.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.15	
26 24 13 00-0094	EA		70 To 100 Amperes, 120/208 Volt, MC Branch Breaker.....	544.20	73.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.30	
26 24 13 00-0095	EA		125 To 225 Amperes, 120/208 Volt, MC Branch Breaker.....	1,429.45	134.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.75	
26 24 13 00-0096	EA		100 To 400 Amperes, 120/208 Volt, MC Branch Breaker.....	2,505.75	175.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.21	
26 24 13 00-0097	EA		300 To 600 Amperes, 120/208 Volt, MC Branch Breaker.....	4,523.10	430.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.38	
26 24 13 00-0098	EA		400 To 800 Amperes, 120/208 Volt, MC Branch Breaker.....	7,110.87	430.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.38	
26 24 13 00-0099	EA		600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker.....	11,563.84	767.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	460.55	
26 24 13 00-0100			Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101			Incoming Service Section Main Device Only (26 24 13 00-0100) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA		400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,162.80	1,845.24
26 24 13 00-0103	EA		600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,732.46	1,961.99
26 24 13 00-0104	EA		800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,274.41	2,189.96
26 24 13 00-0105	EA		1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	10,113.48	2,344.85
26 24 13 00-0106	EA		400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,605.82	1,845.24
26 24 13 00-0107	EA		600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,966.74	1,961.99
26 24 13 00-0108	EA		800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,277.56	2,192.41
26 24 13 00-0109	EA		1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,028.76	2,344.85
26 24 13 00-0110	EA		1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,701.83	2,500.37
26 24 13 00-0111	EA		2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,278.09	2,655.73
26 24 13 00-0112	EA		400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,475.40	1,192.12
26 24 13 00-0113	EA		600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,853.75	1,269.18
26 24 13 00-0114	EA		800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,484.11	1,461.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0115 EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,799.82	1,522.38
26 24 13 00-0116 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,102.82	1,577.28
26 24 13 00-0117 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,528.60	1,691.11
26 24 13 00-0118 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,960.63	1,807.09
26 24 13 00-0119 Branch Breaker Units <small>(26 24 13 00-0100)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker.....	740.34	46.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.15	
26 24 13 00-0121 EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker.....	863.14	73.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.30	
26 24 13 00-0122 EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker.....	1,565.65	134.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.75	
26 24 13 00-0123 EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker.....	2,505.75	175.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.21	
26 24 13 00-0124 EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker.....	6,009.22	430.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	258.38	
26 24 13 00-0125 EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker.....	6,141.97	430.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	258.38	
26 24 13 00-0126 EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker.....	9,893.26	767.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	460.55	
26 24 13 00-0127 Fusible Branch Circuit Switch <small>(26 24 13)</small>		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129 EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	798.65	120.75
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0130 EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	796.07	120.75
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0131 EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	796.07	120.75
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0132 EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,234.42	159.21
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0133 EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,234.42	159.21
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135 EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	903.83	118.45
For Electrical Interlock Kit, Add	288.73	
26 24 13 00-0136 EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,291.00	118.45
For Electrical Interlock Kit, Add	288.73	
26 24 13 00-0137 EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,325.58	319.18
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139 EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,014.20	136.13
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0140 EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,011.62	136.13
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0141 EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,011.62	136.13
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0142 EA 60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,512.67	182.28
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0143 EA 100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,512.67	182.28
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145 EA 100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,089.90	133.82
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0146 EA 200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,721.05	133.82
For Electrical Interlock Kit, Add	288.73	
26 24 13 00-0147 EA 400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,419.30	357.32
26 24 13 00-0148 EA 600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	6,284.96	457.77
26 24 13 00-0149 EA 800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	11,583.24	620.21
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151 EA 30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,405.04	136.13
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0152 EA 30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,402.42	136.13
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0153 EA 60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,405.04	136.13
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0154 EA 60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,102.38	182.28
For Electrical Interlock Kit, Add	301.39	
26 24 13 00-0155 EA 100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,146.03	182.28
For Electrical Interlock Kit, Add	301.39	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	4,495.34 301.39	238.43
26 24	13 00-0157		600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24	13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,510.84 301.39	133.82
26 24	13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,255.45 288.73	133.82
26 24	13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	5,503.30 288.73	357.32
26 24	13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	6,695.26	457.77
26 24	13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	11,583.24	620.21
26 24	13 00-0163		Service And Distribution Structures (26 24 13)		
26 24	13 00-0164		Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)		
26 24	13 00-0165		600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24	13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,363.68	1,415.16
26 24	13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,961.17	1,415.16
26 24	13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,412.44	1,799.71
26 24	13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,909.37	1,799.71
26 24	13 00-0170		800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24	13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,815.91	1,638.20
26 24	13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,393.75	1,638.20
26 24	13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,909.37	2,030.44
26 24	13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,355.79	2,030.44
26 24	13 00-0175		1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24	13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,515.86	1,999.68
26 24	13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,110.48	1,999.68
26 24	13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,661.00	2,461.14
26 24	13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,315.00	2,461.14
26 24	13 00-0180		1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24	13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,426.28	2,191.95
26 24	13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,155.37	2,191.95
26 24	13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,815.49	2,707.26
26 24	13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,385.21	2,707.26
26 24	13 00-0185		2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24	13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,711.46	2,199.65
26 24	13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,507.52	2,476.53
26 24	13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,618.29	2,476.53
26 24	13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,920.14	2,614.96
26 24	13 00-0190		3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24	13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,560.73	2,476.53
26 24	13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,669.85	2,476.53
26 24	13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,971.70	2,614.96
26 24	13 00-0194		4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24	13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,757.93	2,614.96
26 24	13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,971.70	2,614.96
26 24	13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	8,080.70	2,614.96
26 24	13 00-0198		Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24	13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	656.88	184.58
26 24	13 00-0200	EA	Drilled Bottom For Pull Boy	741.92	184.58
26 24	13 00-0201	EA	Cable Supports In Pull Box	250.80	46.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64	
26 24	13 00-0202		Underground Pull Sections (26 24 13 00-0164)		
			Note: Excludes no bus or terminal.		
26 24	13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	652.64	215.35
26 24	13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	1,094.67	276.88
26 24	13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	1,094.67	276.88
26 24	13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	832.42	215.35
26 24	13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	1,168.93	315.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,343.17	315.33
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,419.54	407.63
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,512.61	407.63
26 24 13 00-0211 Switchboard Sections <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,095.27	1,281.80
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,575.03	1,393.31
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,009.50	1,780.33
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,663.42	1,942.15
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	8,170.84	2,067.52
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,844.43	1,124.43
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated	3,559.96	1,068.13
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated	3,930.93	1,158.28
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	8,377.91	1,281.80
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,019.50	1,285.18
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,913.37	1,434.84
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	209.40	76.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.97	
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	253.94	78.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.49	
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	1,051.57	92.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.55	
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,714.30	199.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.47	
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	709.36	277.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.14	
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,866.10	160.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.55	
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,643.06	667.58
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,734.22	902.77
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,235.92	1,098.75
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,424.71	1,538.21
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	6,731.20	1,922.77
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,312.44	1,922.77
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,130.29	2,563.74
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	10,244.80	2,563.74
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	12,067.27	3,051.97
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	14,118.07	3,051.97
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,881.33	1,615.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	967.03	
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	16,070.86	2,691.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,613.51	
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	35,348.81	4,522.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,689.19	
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	57,070.02	7,321.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,471.56	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,790.93	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	360.44	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	472.87	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed	340.60	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,304.69	1,692.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,020.04	
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	18,966.73	2,845.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,699.06	
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	39,538.59	4,691.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,827.60	
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	61,387.43	7,691.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,728.12	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	7,174.26	1,476.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	887.43	
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	12,997.08	2,476.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,479.05	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	19,507.98	4,153.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,465.09	
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	33,534.17	6,691.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,105.56	
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	54,701.52	10,921.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,826.40	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,284.19	1,415.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	846.41	
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,309.32	2,368.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,410.35	
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	22,110.21	3,937.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,354.41	
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	36,525.17	6,414.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,924.02	
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	57,491.83	10,998.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,554.89	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,375.48	1,292.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	744.30	
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,687.66	1,292.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	809.59	
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,190.19	1,538.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	887.43	
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	6,086.47	1,538.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	961.38	
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,700.26	1,845.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,053.57	
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,581.54	1,845.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,165.32	
26 24 13 00-0275 EA Shunt Trip, Factory Installed	357.13	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed	82.67	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278 EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	624.59	111.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.88	
26 24 13 00-0279 EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	745.45	147.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.74	
26 24 13 00-0280 EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,046.76	222.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.68	
26 24 13 00-0281 EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,697.49	279.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.69	
26 24 13 00-0282 EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,284.34	374.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.89	
26 24 13 00-0283 EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,981.39	480.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.42	
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,382.24	732.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.49	
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,382.24	732.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.49	
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	8,950.49	1,025.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	615.29	
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	11,305.70	1,538.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	922.93	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,161.41	667.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	400.58	
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,288.33	731.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	438.65	
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard	8,023.60	1,098.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	659.24	
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,542.94	1,538.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	922.93	
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,869.64	1,701.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,020.94	
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	18,737.87	3,051.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,831.21	
26 24 13 00-0295 Branch Or Distribution Devices <small>(26 24 13)</small>		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	667.84 36.92	55.38
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	679.54 46.15	69.22
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,603.30 55.37	83.06
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,319.92 71.53	107.68
26 24 13 00-0301 EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,263.77 88.60	132.90
26 24 13 00-0302 EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,267.73 103.83	155.36
26 24 13 00-0303 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,491.22 117.21	175.36
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	461.45 27.69	41.53
26 24 13 00-0306 EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	593.66 36.92	55.38
26 24 13 00-0307 EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,592.46 46.15	69.22
26 24 13 00-0308 EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,510.29 50.76	76.91
26 24 13 00-0309 EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,660.30 66.91	99.98
26 24 13 00-0310 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,997.89 96.91	145.36
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.		
26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)		
26 24 13 00-0313 EA Compartment For, Up To 800 Amperes, Primary Current Transformer	431.54	
26 24 13 00-0314 EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	623.33	
26 24 13 00-0315 EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	734.11	
26 24 13 00-0316 Instruments (26 24 13 00-0311)		
26 24 13 00-0317 EA AC Voltmeter	588.61	
26 24 13 00-0318 EA AC Ammeter	588.61	
26 24 13 00-0319 EA AC Wattmeter	1,572.38	
26 24 13 00-0320 EA Variometer	1,775.74	
26 24 13 00-0321 EA Power Factor Meter	1,418.61	
26 24 13 00-0322 EA Frequency Meter	1,565.76	
26 24 13 00-0323 EA 200 Volt-Amperes Max Potential Transformer	529.09	
26 24 13 00-0324 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,992.34	
26 24 13 00-0325 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,333.24	
26 24 13 00-0326 EA Weatherproof, Modify Meter	3,408.73	
26 24 13 00-0327 EA Control Switch Resistor Type 130 V	85.30	
26 24 13 00-0328 EA Metering Instrument: Voltage, Amperes And Watt Hour	4,020.73	
26 24 16 Panelboards (26 24)		
26 24 16 00-0001 Branch Circuit Panelboard (26 24 16) Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0004 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,427.87 1,523.32	438.39
26 24 16 00-0005 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,635.54 1,523.32	438.39
26 24 16 00-0006 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,867.64 1,523.32	607.60
26 24 16 00-0007 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,099.39 1,523.32	607.60
26 24 16 00-0008 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,320.08 1,523.32	761.42

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,546.39 1,523.32	761.42
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,764.32 1,523.32	876.78
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,337.28 1,675.24 122.41	1,122.90
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,524.40 1,675.24 122.41	1,122.90
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,702.92 1,675.24 122.41	1,284.41
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,987.84 1,978.86 209.06	1,284.41
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,160.72 1,978.86 209.06	1,445.92
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,423.28 1,978.86 209.06	1,445.92
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,590.79 1,978.86 209.06	1,599.74
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,845.53 1,978.86 209.06	1,599.74
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,087.47 1,978.86 209.06	1,768.95
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,247.98 2,059.59 267.20	1,768.95
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,499.62 2,059.59 267.20	1,768.95
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,646.64 1,523.32	423.01
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,857.64 1,523.32	423.01
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,359.98 1,523.32	722.96
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,670.97 1,523.32	722.96
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,895.87 1,523.32	884.47
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,131.26 1,523.32	884.47
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,338.65 1,523.32	1,061.37
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,026.37 1,675.24 122.41	1,061.37
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,213.84 1,675.24 122.41	1,299.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0032 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,418.76	1,299.79
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0033 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,644.64	1,461.31
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0034 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,824.96	1,461.31
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0035 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,018.21	1,599.74
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0036 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,226.37	1,599.74
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0037 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,451.88	1,892.00
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0038 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,697.68	1,892.00
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0039 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,967.49	1,892.00
<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0040 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,130.63	1,999.68
<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,711.85	499.92
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0043 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,932.64	499.92
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0044 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,180.96	669.13
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0045 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,438.72	669.13
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0046 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,671.79	822.95
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0047 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,921.77	822.95
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0048 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,155.61	976.76
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0049 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,403.84	976.76
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0050 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,627.41	1,145.97
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0051 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,884.77	1,145.97
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0052 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,153.13	1,322.87
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0053 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,410.41	1,322.87
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0054 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,943.67	1,599.74
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0055 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,131.84	1,599.74
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0056 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,428.47	1,776.64
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0057 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,707.43	1,776.64
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0058 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,896.14	1,938.15
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0059 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,184.92	1,938.15
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0060 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,892.52	1,719.72
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0061 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,099.73	1,807.40
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0062 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,411.47	1,903.54
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0063 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,714.16	2,015.07
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0064 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,916.86	2,076.59
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0065 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,258.28	2,203.49
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16		
<small>00-0062)</small>		
26 24 16 00-0067 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,979.93	484.54
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0068 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,203.86	484.54
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0069 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,464.64	638.36
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0070 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,806.31	638.36
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0071 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,381.38	961.39
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0072 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,607.50	961.39
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0073 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,855.70	1,122.90
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0074 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,066.86	1,122.90
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0075 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,343.30	1,299.79
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0076 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,540.88	1,299.79
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0077 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,840.41	1,461.31
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0078	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,091.85	1,461.31
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0079	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,950.20	1,692.04
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0080	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,223.72	1,784.33
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0081	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,345.96	1,784.33
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0082	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,656.08	2,015.07
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0083	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,863.56	2,015.07
				<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0084	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers.....	7,013.29	2,015.07
				<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0085	EA			400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,930.14	1,853.55
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0086	EA			400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,231.94	1,961.22
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0087	EA			400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,358.96	2,015.07
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0088	EA			400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,695.40	2,138.12
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0089	EA			400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,902.32	2,199.65
				<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0090	EA			400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	8,107.75	2,276.56
				<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0091				480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,894.83	492.23
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0093	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,180.95	492.23
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0094	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,453.85	676.81
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0095	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,739.91	676.81
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0096	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,004.46	846.02
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0097	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,285.00	846.02
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0098	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,579.22	1,022.91
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0099	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,846.07	1,022.91
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0100	EA			100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,142.79	1,215.19
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,428.08	1,215.19
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,687.68	1,384.39
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,968.22	1,384.39
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,582.35	1,684.35
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,862.52	1,684.35
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,163.00	1,845.86
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers.....	6,373.22	1,845.86
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,711.35	2,038.14
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,943.07	2,038.14
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0110		480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,389.36	522.99
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,668.17	569.14
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,950.43	707.57
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,557.66	861.40
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,831.03	953.69
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,077.37	1,030.61
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,352.12	1,122.90
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,615.31	1,215.19
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,853.37	1,292.10
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,111.11	1,369.01
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,392.66	1,461.31
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,703.34	1,576.67
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	7,050.10	1,753.57
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0124	EA			225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,346.69	1,861.24
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0125	EA			225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,548.25	1,907.39
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0126	EA			225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,885.78	2,030.44
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0127	EA			225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	8,110.75	2,107.36
				<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0128	EA			225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	8,345.22	2,173.50
				<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0129				277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,275.81	538.38
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0131	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,588.34	538.38
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0132	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,891.54	715.27
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0133	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,197.59	715.27
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0134	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,509.43	884.47
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0135	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,813.80	884.47
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0136	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,123.98	1,061.37
				<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0137	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,432.64	1,061.37
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0138	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,774.38	1,245.95
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0139	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,052.76	1,245.95
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0140	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,349.64	1,253.65
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0141	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,668.85	1,253.65
				<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0142	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,472.29	1,738.18
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0143	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,798.07	1,738.18
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0144	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,038.21	1,830.47
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0145	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,398.55	1,953.54
				<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0146	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,658.31	1,953.54
				<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0147	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,063.73 2,059.59 267.20	2,138.12
26 24 16 00-0148			277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0149	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,938.31 1,523.32	661.43
26 24 16 00-0150	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,259.38 1,523.32	661.43
26 24 16 00-0151	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,566.53 1,523.32	876.78
26 24 16 00-0152	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	4,255.44 1,523.32	876.78
26 24 16 00-0153	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	4,556.89 1,523.32	1,107.51
26 24 16 00-0154	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	4,857.78 1,523.32	1,107.51
26 24 16 00-0155	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	5,147.12 1,523.32	1,269.02
26 24 16 00-0156	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,411.31 1,675.24 122.41	1,269.02
26 24 16 00-0157	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,695.19 1,675.24 122.41	1,445.92
26 24 16 00-0158	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,002.87 1,675.24 122.41	1,445.92
26 24 16 00-0159	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,261.55 1,675.24 122.41	1,599.74
26 24 16 00-0160	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,535.15 1,675.24 122.41	1,599.74
26 24 16 00-0161	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,373.14 1,978.86 209.06	1,892.00
26 24 16 00-0162	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,712.72 1,978.86 209.06	1,892.00
26 24 16 00-0163	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,951.72 1,978.86 209.06	2,068.90
26 24 16 00-0164	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,336.41 1,978.86 209.06	2,068.90
26 24 16 00-0165	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,601.37 2,059.59 267.20	2,261.17
26 24 16 00-0166	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,876.86 2,059.59 267.20	2,261.17
26 24 16 00-0167	EA		400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	11,616.38 2,059.59 267.20	2,518.06
26 24 16 00-0168	EA		600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	14,117.61 2,059.59 267.20	3,022.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0169	Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small>	
Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0170	240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>	
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171	Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>	
26 24 16 00-0172	EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	693.96
26 24 16 00-0173	EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	802.88
26 24 16 00-0174	EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,112.60
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>
26 24 16 00-0175	EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,288.11
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>
26 24 16 00-0176	EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,461.34
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>
26 24 16 00-0177	EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,643.00
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>
26 24 16 00-0178	EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,787.25
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>
26 24 16 00-0179	EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,961.32
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>
26 24 16 00-0180	EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,203.47
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>
26 24 16 00-0181	EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,349.47
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>
26 24 16 00-0182	EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,576.88
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>
26 24 16 00-0183	Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>	
26 24 16 00-0184	EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,037.90
26 24 16 00-0185	EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,183.30
26 24 16 00-0186	EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,910.75
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>
26 24 16 00-0187	EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,130.37
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>
26 24 16 00-0188	EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,340.51
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>
26 24 16 00-0189	EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,944.76
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>
26 24 16 00-0190	EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,209.75
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>
26 24 16 00-0191	EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,444.08
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>
26 24 16 00-0192	Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>	
26 24 16 00-0193	EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,353.24
26 24 16 00-0194	EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,454.63
26 24 16 00-0195	EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,748.65
26 24 16 00-0196	EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,921.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0197 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,082.31	
26 24 16 00-0198 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,385.79	
26 24 16 00-0199 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,521.87	
26 24 16 00-0200 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,688.41	
26 24 16 00-0201 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,988.33	
26 24 16 00-0202 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,129.21	
26 24 16 00-0203 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,344.80	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,689.65	
26 24 16 00-0206 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,826.88	
26 24 16 00-0207 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,668.60	
26 24 16 00-0208 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,873.16	
26 24 16 00-0209 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,071.99	
26 24 16 00-0210 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,660.55	
26 24 16 00-0211 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,918.00	
26 24 16 00-0212 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,150.45	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	785.73	
26 24 16 00-0216 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	927.46	
26 24 16 00-0217 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,050.62	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0218 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,203.35	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0219 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,387.52	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0220 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,540.01	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0221 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,777.89	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0222 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,919.94	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0223 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,078.95	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0224 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,352.16	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0225 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,587.85	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0226 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,037.94	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,213.24	
26 24 16 00-0229 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,370.87	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0230	EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,602.52	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		122.41	
26 24 16 00-0231	EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,343.08	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		122.41	
26 24 16 00-0232	EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,541.48	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		209.06	
26 24 16 00-0233	EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,737.41	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		267.20	
26 24 16 00-0234	EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,747.10	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		122.41	
26 24 16 00-0235	EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,997.36	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		209.06	
26 24 16 00-0236	EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		4,203.28	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		267.20	
26 24 16 00-0237	Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>			
26 24 16 00-0238	EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,445.01	
26 24 16 00-0239	EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,579.20	
26 24 16 00-0240	EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,694.20	
26 24 16 00-0241	EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,839.40	
26 24 16 00-0242	EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,020.43	
26 24 16 00-0243	EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,160.99	
26 24 16 00-0244	EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,520.68	
26 24 16 00-0245	EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,654.57	
26 24 16 00-0246	EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,806.04	
26 24 16 00-0247	EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,137.02	
26 24 16 00-0248	EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,358.27	
26 24 16 00-0249	EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,808.35	
26 24 16 00-0250	Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>			
26 24 16 00-0251	EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,864.99	
26 24 16 00-0252	EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,014.45	
26 24 16 00-0253	EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,241.70	
26 24 16 00-0254	EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,100.94	
26 24 16 00-0255	EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,284.27	
26 24 16 00-0256	EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		3,468.90	
26 24 16 00-0257	EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		5,121.17	
26 24 16 00-0258	EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		5,377.96	
26 24 16 00-0259	EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		5,594.92	
26 24 16 00-0260	480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>			
	Note: As manufactured by Square D or equal.			
26 24 16 00-0261	Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>			
26 24 16 00-0262	EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,100.98	
26 24 16 00-0263	EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,216.34	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0264 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,693.05	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0265 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,894.29	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0266 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,069.05	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0267 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,089.94	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0268 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,210.65	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0269 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,406.41	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0270 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,618.61	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0271 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,807.81	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0272 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,072.15	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,212.27	
26 24 16 00-0275 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,281.72	
26 24 16 00-0276 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,480.22	
26 24 16 00-0277 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,622.51	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0278 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,923.67	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0279 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,794.96	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0280 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,973.98	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0281 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,208.81	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0282 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,385.96	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0283 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,649.80	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0284 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,883.68	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,737.66	
26 24 16 00-0287 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,853.02	
26 24 16 00-0288 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,314.66	
26 24 16 00-0289 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,625.15	
26 24 16 00-0290 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,787.35	
26 24 16 00-0291 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,808.25	
26 24 16 00-0292 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,910.12	
26 24 16 00-0293 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,078.87	
26 24 16 00-0294 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,353.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0295 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,527.80	
26 24 16 00-0296 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,759.38	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,984.57	
26 24 16 00-0299 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,054.02	
26 24 16 00-0300 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,107.48	
26 24 16 00-0301 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,244.11	
26 24 16 00-0302 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,654.53	
26 24 16 00-0303 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,513.26	
26 24 16 00-0304 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,673.44	
26 24 16 00-0305 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,881.27	
26 24 16 00-0306 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,058.42	
26 24 16 00-0307 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,305.12	
26 24 16 00-0308 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,536.53	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,143.68	
26 24 16 00-0312 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,259.67	
26 24 16 00-0313 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,461.88	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0314 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,755.89	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0315 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,958.55	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>	
26 24 16 00-0316 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,132.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>	
26 24 16 00-0317 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,172.83	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0318 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,313.62	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>	
26 24 16 00-0319 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,507.81	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>	
26 24 16 00-0320 EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,720.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0321 EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,910.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>	
26 24 16 00-0322 EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,176.07	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,432.03	
26 24 16 00-0325 EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,502.11	
26 24 16 00-0326 EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,714.52	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,782.33	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,925.11	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,225.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,149.17	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,330.33	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,562.67	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,810.38	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,076.57	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,310.49	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0336		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,780.35	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,896.34	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,089.14	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,377.50	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,689.41	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,850.41	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,893.02	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,013.09	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,180.28	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,455.35	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,630.14	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,861.72	
26 24 16 00-0349		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,053.64	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,123.72	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,445.37	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,409.59	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,546.71	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,956.46	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,867.47	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,029.79	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,235.14	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,482.84	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,731.46	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,962.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

26 24 16 00-0362	600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
26 24 16 00-0363	Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364	EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,089.49	457.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.50	
26 24 16 00-0365	EA 400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,404.17	457.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.43	
26 24 16 00-0366	EA 400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,641.18	457.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.43	
26 24 16 00-0367	EA 600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,137.73	751.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	450.67	
26 24 16 00-0368	EA 600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,321.17	751.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	450.67	
26 24 16 00-0369	EA 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,522.46	751.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	450.67	
26 24 16 00-0370	EA 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,907.52	998.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	599.06	
26 24 16 00-0371	EA 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,085.70	1,001.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	600.89	
26 24 16 00-0372	EA 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,155.89	998.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	599.06	
26 24 16 00-0373	EA 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,737.86	998.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	599.06	
26 24 16 00-0374	EA 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,284.40	1,502.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	901.34	
26 24 16 00-0375	EA 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,680.49	1,502.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	901.34	
26 24 16 00-0376	EA 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,004.34	1,502.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	901.34	
26 24 16 00-0377	EA 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,399.63	1,502.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	901.34	
26 24 16 00-0378	Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379	EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,810.88	467.20
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.30	
26 24 16 00-0380	EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,957.44	529.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.95	
26 24 16 00-0381	EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,186.33	529.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.95	
26 24 16 00-0382	EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,860.02	529.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.95	
26 24 16 00-0383	EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,739.60	868.61
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	521.20	
26 24 16 00-0384	EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,119.21	871.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	522.58	
26 24 16 00-0385	EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,429.51	868.61
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	521.20	
26 24 16 00-0386	EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,819.95	1,161.24
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	696.77	
26 24 16 00-0387	EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,265.47	1,157.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	694.31	
26 24 16 00-0388	EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,711.89	1,157.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	694.31	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0389 Residential Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390 Residential Type Unassembled Load Center <small>(26 24 16 00-0389)</small> Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	193.52	76.91
26 24 16 00-0393 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	674.28	307.65
26 24 16 00-0394 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,006.03	439.16
26 24 16 00-0395 EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,142.43	923.08
26 24 16 00-0396 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,338.12	999.84
26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	258.11	84.60
26 24 16 00-0399 EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	431.99	92.29
26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0390)</small>		
26 24 16 00-0401 EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	261.75	84.60
26 24 16 00-0402 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	290.89	92.29
26 24 16 00-0403 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,078.80	439.16
26 24 16 00-0404 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,448.85	999.84
26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	313.47	84.60
26 24 16 00-0407 EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,345.06	923.08
26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0390)</small>		
26 24 16 00-0409 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,487.27	923.08
26 24 16 00-0410 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,698.78	999.84
26 24 16 00-0411 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	8,477.79	1,538.21
26 24 16 00-0412 Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,406.01	923.08
26 24 16 00-0414 EA 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,711.63	999.84
26 24 16 00-0415 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,250.84	1,538.21
26 24 16 00-0416 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0390)</small>		
26 24 16 00-0417 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,590.09	923.08
26 24 16 00-0418 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,874.36	999.84
26 24 16 00-0419 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,576.53	923.08
26 24 16 00-0421 EA 155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,730.14	999.84
26 24 16 00-0422 Residential Type Assembled Load Center <small>(26 24 16 00-0389)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0423 Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase <small>(26 24 16 00-0423)</small>		
<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0424 EA 100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,006.51	439.16
26 24 16 00-0425 EA 100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,214.26	512.99
26 24 16 00-0426 EA 100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,023.91	439.16
26 24 16 00-0427 EA 100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,219.00	512.99
26 24 16 00-0428 EA 200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,737.70	683.73
26 24 16 00-0429 EA 200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,057.31	820.64
26 24 16 00-0430 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,356.90	946.77
26 24 16 00-0431 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,587.69	1,024.91
26 24 16 00-0432 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,875.26	1,538.21
26 24 16 00-0433 EA 200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,799.39	683.73
26 24 16 00-0434 EA 200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,115.84	820.64
26 24 16 00-0435 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,415.43	946.77
26 24 16 00-0436 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,643.05	1,024.91
26 24 16 00-0437 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,057.17	1,538.21
26 24 16 00-0438 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,675.82	1,709.11
26 24 16 00-0439 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,865.64	1,709.11
26 24 16 00-0440 Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt <small>(26 24 16 00-0440)</small>		
<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0441 EA 125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,302.84	512.99
26 24 16 00-0442 EA 125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,944.74	769.11
26 24 16 00-0443 EA 125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,355.04	512.99
26 24 16 00-0444 EA 125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,992.20	769.11
26 24 16 00-0445 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,447.06	946.77
26 24 16 00-0446 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,667.88	1,025.53
26 24 16 00-0447 EA 200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,252.85	1,231.04
26 24 16 00-0448 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,938.53	1,538.21
26 24 16 00-0449 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,502.43	946.77
26 24 16 00-0450 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,730.05	1,024.91
26 24 16 00-0451 EA 200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,464.83	1,230.11
26 24 16 00-0452 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,152.08	1,538.21
26 24 16 00-0453 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,723.27	1,709.11
26 24 16 00-0454 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,913.09	1,709.11
26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase <small>(26 24 16 00-0455)</small>		
<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0456 EA 125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,296.52	512.99
26 24 16 00-0457 EA 125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,922.60	769.11
26 24 16 00-0458 EA 200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,187.03	820.64
26 24 16 00-0459 EA 200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,511.27	947.23
26 24 16 00-0460 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,754.88	1,025.53
26 24 16 00-0461 EA 200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,652.56	1,367.48

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0462 EA 200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,202.84	820.64
26 24 16 00-0463 EA 200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,541.98	946.77
26 24 16 00-0464 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,761.69	1,024.91
26 24 16 00-0465 EA 200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,565.56	1,367.48
26 24 16 00-0466 EA 400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,305.11	1,709.11
26 24 16 00-0467 EA 400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,621.48	1,709.11
26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,197.80	1,025.53
26 24 16 00-0470 EA 200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,444.72	1,538.21
26 24 16 00-0471 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,291.61	1,024.91
26 24 16 00-0472 EA 200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,539.63	1,538.21
26 24 16 00-0473 Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)		
26 24 16 00-0474 Midget Finger-Safe Fuse Holders (26 24 16 00-0473) Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475 EA 1 Pole Midget Finger-Safe Fuse Holder	90.72	27.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 24 16 00-0476 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder	104.55	27.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 24 16 00-0477 EA 2 Pole Midget Finger-Safe Fuse Holder	144.87	41.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69	
26 24 16 00-0478 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	180.96	41.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69	
26 24 16 00-0479 EA 3 Pole Midget Finger-Safe Fuse Holder	210.20	55.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 24 16 00-0480 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	258.14	55.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 24 16 00-0481 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	298.24	55.38
Note: With indicators. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 24 16 00-0482 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	245.08	55.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 24 16 00-0483 EA 4 Pole Midget Finger-Safe Fuse Holder	264.50	69.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.15	
26 24 16 00-0484 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder	317.14	69.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.15	
26 24 16 00-0485 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	104.59	27.69
Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 24 16 00-0486 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder	111.94	27.69
Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 24 16 00-0487 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	105.95	27.69
Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 24 16 00-0488 Removal And Reinstallation Of Panelboards (26 24 16 00-0001) Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers	1,929.15	
Note: Includes removal and reinstallation of main wiring to panelboard. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	576.83	
26 24 16 00-0490 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	101.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.99	
26 24 16 00-0491 EA Panelboard Filler Plate, Fits 1" Opening	6.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44	
26 24 19 Motor-Control Centers (26 24)		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,466.09	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,912.12	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,304.36 92.76	154.61
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,759.20 109.63	182.72
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,556.60 126.50	210.82
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,139.84 168.66	281.10
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,466.09 84.33	140.55
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.12 88.55	147.58
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,304.36 92.76	154.61
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,759.20 109.63	182.72
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,556.60 126.50	210.82
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,139.84 168.66	281.10
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,544.87 84.33	140.55
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,706.28 88.55	147.58
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,720.19 92.76	154.61
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,717.78 109.63	182.72
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,996.07 126.50	210.82
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,592.61 168.66	281.10
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,544.87 84.33	140.55
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,706.28 88.55	147.58
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,720.19 92.76	154.61
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,717.78 109.63	182.72
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,996.07 126.50	210.82
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,592.61 168.66	281.10
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,337.48 134.93	224.88
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,933.49 143.36	238.94
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,690.53 151.79	253.00
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,455.21 172.88	288.13
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,539.21 202.40	337.33
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,337.48 134.93	224.88
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,933.49 143.36	238.94
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,690.53 151.79	253.00
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,455.21 172.88	288.13
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,539.21 202.40	337.33

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,955.06	140.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.33	
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,346.09	147.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.55	
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,034.24	154.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.76	
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	18,800.71	182.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.63	
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	32,524.55	210.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.50	
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,955.06	140.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.33	
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,346.09	147.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.55	
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,034.24	154.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.76	
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	18,800.71	182.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.63	
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	32,524.55	210.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.50	
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,300.38	147.58
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,147.65	161.63
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	18,748.14	182.72
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	28,968.23	210.82
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	49,521.06	281.10
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,300.38	147.58
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,147.65	161.63
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,748.14	182.72
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	28,968.23	210.82
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	49,521.06	281.10
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,043.71	224.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.93	
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,501.31	260.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.01	
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,352.64	288.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.88	
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	19,284.31	351.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.83	
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	26,477.19	449.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	269.87	
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,043.71	224.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.93	
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,501.31	260.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.01	
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,352.64	288.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.88	
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	19,284.31	351.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.83	
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	26,477.19	449.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	269.87	
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	20,492.02	182.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	21,753.40	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>134.93</i>	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	24,026.94	260.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>156.01</i>	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	36,329.17	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>172.88</i>	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	49,526.76	351.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>210.83</i>	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	67,198.90	449.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>269.87</i>	
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	20,492.02	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>109.63</i>	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	21,753.40	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>134.93</i>	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	24,026.94	260.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>156.01</i>	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	36,329.17	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>172.88</i>	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	49,526.76	351.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>210.83</i>	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	67,198.90	449.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>269.87</i>	
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,277.46	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.33</i>	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,723.49	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>88.55</i>	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,723.69	154.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>92.76</i>	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,499.58	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>109.63</i>	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,742.66	210.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>126.50</i>	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	30,521.25	281.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>168.66</i>	
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,277.46	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.33</i>	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,723.49	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>88.55</i>	
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,723.69	154.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>92.76</i>	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,499.58	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>109.63</i>	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,742.66	210.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>126.50</i>	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	30,521.25	281.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>168.66</i>	
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,349.39	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.33</i>	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	5,501.65	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>88.55</i>	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	8,107.52	154.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>92.76</i>	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	14,421.59	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>109.63</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,118.14 126.50	210.82
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,349.39 84.33	140.55
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,501.65 88.55	147.58
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,107.52 92.76	154.61
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,421.59 109.63	182.72
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,118.14 126.50	210.82
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,128.28 134.93	224.88
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,712.86 143.36	238.94
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,055.00 151.79	253.00
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	18,127.02 172.88	288.13
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,636.13 202.40	337.33
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,128.28 134.93	224.88
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,712.86 143.36	238.94
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,055.00 151.79	253.00
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	18,127.02 172.88	288.13
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,636.13 202.40	337.33
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,886.42 126.50	210.82
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,266.34 134.93	224.88
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	11,560.52 143.36	238.94
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	21,623.23 164.44	274.08
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	35,784.67 193.97	323.27
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,886.42 126.50	210.82
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,266.34 134.93	224.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,560.52 143.36	238.94
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,623.23 164.44	274.08
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,784.67 193.97	323.27
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,068.33 88.55	147.58
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,957.81 96.98	161.63
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,858.78 109.63	182.72
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,084.51 126.50	210.82
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54,405.29 168.66	281.10
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,068.33 88.55	147.58
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,957.81 96.98	161.63
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,858.78 109.63	182.72
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,084.51 126.50	210.82
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54,405.29 168.66	281.10
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,834.51 134.93	224.88
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,276.12 156.01	260.02
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,707.97 172.88	288.13
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,433.80 210.83	351.37
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,064.16 269.87	449.76
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,834.51 134.93	224.88
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,276.12 156.01	260.02
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,707.97 172.88	288.13
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,433.80 210.83	351.37
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,064.16 269.87	449.76
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,147.97 109.63	182.72
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,402.49 134.93	224.88
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,653.18 156.01	260.02
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,847.99 172.88	288.13
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,929.02 210.83	351.37



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69,957.57 269.87	449.76
26 24 19 00-0174		480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,148.03 109.65	182.72
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,402.49 134.93	224.88
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,653.18 156.01	260.02
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,847.99 172.88	288.13
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,929.02 210.83	351.37
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69,957.57 269.87	449.76
26 24 19 00-0181		Combination Starters With Fusible Switch <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,200.97 84.33	140.55
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,014.97 88.55	147.58
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,040.31 92.76	154.61
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,849.41 109.63	182.72
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,326.97 126.50	210.82
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,511.31 168.66	281.10
26 24 19 00-0189		480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,200.97 84.33	140.55
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,014.97 88.55	147.58
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,040.31 92.76	154.61
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,849.41 109.63	182.72
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,326.97 126.50	210.82
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,511.31 168.66	281.10
26 24 19 00-0196		230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,515.16 84.33	140.55
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,209.10 88.55	147.58
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,297.22 92.76	154.61
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,491.37 109.63	182.72
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,724.23 126.50	210.82
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,192.92 168.66	281.10
26 24 19 00-0203		480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,515.16 84.33	140.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,209.10	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.55	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,297.22	154.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.76	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,491.37	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,724.23	210.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.50	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	35,192.92	281.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.66	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,145.49	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.93	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,668.36	238.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.36	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	8,861.94	253.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.79	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	15,752.33	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	25,038.67	337.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.40	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,145.49	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.93	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,668.36	238.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.36	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	8,861.94	253.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.79	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	15,752.33	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	25,038.67	337.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.40	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,676.22	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	7,099.25	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.55	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	10,194.23	154.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.76	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	20,487.45	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63	
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,676.22	140.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.33	
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	7,099.25	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.55	
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	10,194.23	154.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.76	
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	20,487.45	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63	
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	7,051.26	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.55	
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	12,402.42	161.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.98	
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	20,622.29	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63	
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	27,519.19	210.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.50	
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	46,197.86	281.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.66	
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	7,051.26	147.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.55	
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	12,402.42	161.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.98	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	20,622.29	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63	
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	27,519.19	210.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.50	
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	46,197.86	281.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.66	
26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	5,073.43	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.93	
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,697.87	260.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.01	
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,602.97	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	21,028.19	351.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.83	
26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	5,073.43	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.93	
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,697.87	260.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.01	
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,602.97	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	21,028.19	351.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.83	
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,489.73	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63	
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	21,753.40	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.93	
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	24,026.94	260.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.01	
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	36,329.17	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	49,526.76	351.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.83	
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	67,198.90	449.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.87	
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,489.73	182.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63	
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	21,753.40	224.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.93	
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	24,026.94	260.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.01	
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	36,329.17	288.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.88	
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	49,526.76	351.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.83	
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	67,198.90	449.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.87	
26 24 19 00-0268 Starter Accessories <small>(26 24 19)</small>		
Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269 Starter Modifications <small>(26 24 19 00-0268)</small>		
26 24 19 00-0270 EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer.....	187.23	
26 24 19 00-0271 EA Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer.....	356.55	
26 24 19 00-0272 EA Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer.....	509.68	
26 24 19 00-0273 EA Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	127.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0274 EA Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	180.56	
26 24 19 00-0275 EA Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	303.98	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter	75.42	
26 24 19 00-0277 EA N.O. Overload Relay Alarm	64.00	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary	202.20	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	249.99	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	488.95	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	249.99	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V	286.75	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer	345.58	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To	408.07	
26 24 19 00-0285 EA Blank Devices Panel	77.20	
26 24 19 00-0286 EA Oversize Or Special Color Starter	121.32	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer	1,053.15	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non-Resettable	953.89	
26 24 19 00-0289 EA Panel Elapsed Time Meter, Resettable	1,433.77	
26 24 19 00-0290 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	121.32	
26 24 19 00-0291 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	172.79	
26 24 19 00-0292 EA Terminal Blocks, Front Mounted, Press Connection, Standard	121.32	
26 24 19 00-0293 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In	172.79	
26 24 19 00-0294 EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	172.79	
26 24 19 00-0295 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	249.99	
26 24 19 00-0296 EA MOR - A Solid State Modular Overload Relay	621.30	
26 24 19 00-0297 EA Heater Module	79.21	
26 24 19 00-0298 EA LAM - Long Acceleration Module	492.08	
26 24 19 00-0299 EA JAM - Jam Protection Module	564.09	
26 24 19 00-0300 EA PUM - Phase Unbalance Module	1,070.58	
26 24 19 00-0301 EA ULM - Underload Module	513.69	
26 24 19 00-0302 EA Wiring To Common Control Circuit Transformer	112.82	
26 24 19 00-0303 EA Handle Operator Separable Source Control Circuit	211.24	
26 24 19 00-0304 EA Type SIS Control Wire	88.81	
26 24 19 00-0305 EA Ring Or Spade Terminals Control	112.82	
26 24 19 00-0306 EA Ring Terminals Power	112.82	
26 24 19 00-0307 EA 14 Gauge Control Wire	88.81	
26 24 19 00-0308 EA Wiremakers	112.82	
26 24 19 00-0309 EA Wiring Diagram On Door	67.21	
26 24 19 00-0310 EA Special Color Or Type Control Wire	81.61	
26 24 19 00-0311 EA Current Transformer 12.5 VA	640.91	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,047.54	
26 24 19 00-0313 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,304.38	
26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)		
26 24 19 00-0315 EA 600 Volt, 2 Pole, Control Relays	578.17	
26 24 19 00-0316 EA 600 Volt, 4 Pole, Control Relays	687.32	
26 24 19 00-0317 EA 600 Volt, 6 Pole, Control Relays	810.55	
26 24 19 00-0318 EA 600 Volt, 8 Pole, Control Relays	904.96	
26 24 19 00-0319 EA Pneumatic Timer, Control Relays	757.04	
26 24 19 00-0320 EA Motor Driven Timer, Control Relays	1,972.72	
26 24 19 00-0321 EA 7 Days Time Switch, Control Relays	2,482.94	
26 24 19 00-0322 EA 24 Hour Time Switch, Control Relays	696.26	
26 24 19 00-0323 EA Phase Voltage, Control Relays	1,184.37	
26 24 19 00-0324 EA Two Circuit Alternator, Control Relays	1,657.75	
26 24 19 00-0325 EA Manual 120 Volt, Control Relays	162.09	
26 24 19 00-0326 EA Over-Current Relay, Control Relays	4,579.96	
26 24 19 00-0327 EA UV-Relay, Control Relays	3,879.05	
26 24 19 00-0328 EA Over-Current Relay, Control Relays	3,879.05	
26 24 19 00-0329 EA Teleductor, Control Relays	1,221.21	
26 24 19 00-0330 EA Current Transducer, Control Relays	3,284.19	
26 24 19 00-0331 EA Watt Transducer, Control Relays	6,568.38	
26 24 19 00-0332 EA Control Relays, Blank, Add For Each 1x	222.88	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	333.39	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	375.76	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	418.12	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	375.76	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	418.12	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	440.22	
26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)		
26 24 19 00-0340 EA Shunt Trip, Circuit Breaker	396.02	
26 24 19 00-0341 EA Auxiliary Switch, Circuit Breaker	136.79	
26 24 19 00-0342 EA Key Interlock, Circuit Breaker	491.99	
26 24 19 00-0343 EA GFR Ground Fault, Circuit Breaker	2,268.02	
26 24 19 00-0344 EA Seltronic Breaker, Circuit Breaker	1,313.82	
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	2,542.91	91.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>54.81</i>	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,416.98 84.33	140.55
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,289.16 54.81	91.36
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,159.56 84.33	140.55
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,938.90 84.33	140.55
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,839.59 109.65	182.72
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,919.07 118.08	196.77
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,450.24 151.73	253.00
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,232.41 231.98	386.51
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,299.25 350.25	583.29
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,267.65 463.42	773.03
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57,307.05 581.33	969.80
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95,942.13 675.23	1,124.27
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,068.62 54.81	91.36
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,927.99 84.33	140.55
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,068.62 54.81	91.36
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,927.99 84.33	140.55
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,263.40 54.81	91.36
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,196.28 84.33	140.55
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,953.57 84.33	140.55
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,674.32 84.33	140.55
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,820.67 231.98	386.51
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,820.67 231.98	386.51
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,989.45 252.89	421.65
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,990.09 295.03	491.93
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,990.22 350.25	583.29
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,975.78	140.55
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,029.56	140.55
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches	4,387.98	175.69
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches	7,182.53	210.82
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches	14,250.64	267.05
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches	20,003.52	351.37
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches	48,891.48	470.84
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches	55,084.74	653.56
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers	2,507.26	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers	2,588.14	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	2,672.69	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	3,066.06	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	3,323.41	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	2,575.63	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	4,521.89	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	5,095.40	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	11,845.15	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	6,286.53	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	8,709.24	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	13,573.03	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	12,569.39	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	17,418.47	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	12,314.05	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	17,057.24	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	1,183.78	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	2,588.14	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	1,066.14	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type	2,588.14	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	1,437.45	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits	1,525.68	
26 24 19 00-0405 EA Add For Additional Circuits	132.02	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	5,338.04	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	5,591.70	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	4,929.96	
26 24 19 00-0409 EA Add For Demand Attachment	864.14	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer	1,474.21	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer	2,544.02	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer	2,963.13	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	2,470.50	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester	2,657.99	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	2,033.01	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA 600 Amperes, Current Limiting Reactors	45,376.99	
26 24 19 00-0418 EA 800 Amperes, Current Limiting Reactors	66,082.11	
26 24 19 00-0419 EA 1,000 Amperes, Current Limiting Reactors	86,835.02	
26 24 19 00-0420 EA 1,200 Amperes, Current Limiting Reactors	132,178.93	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	495.96	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	495.96	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	685.67	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,254.77	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	685.67	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	875.37	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	875.37	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,252.48	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	875.37	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,252.48	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,065.07	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,453.47	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,065.07	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,252.48	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,453.47	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,453.47	
26 24 19 00-0438 EA Bus Duct Transition Pull Box	1,065.10	
26 24 19 00-0439 EA Throat And Transition To Substation	2,056.17	
26 24 19 00-0440 EA Service Entrance Label	445.29	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition	930.78	
26 24 19 00-0442 EA 600 Amperes, Sub Feed Lugs On Main Bus	573.70	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width	294.04	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	294.04	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth	909.62	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth	1,025.97	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space	87.79	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof	236.92	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	49.71	
26 24 19 00-0451 EA Standard Structure 150 Watt Space	213.66	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control	698.52	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High	213.66	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	451.28	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted	6,437.87	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back	7,441.24	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,448.44	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	843.27	421.65
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,264.90	632.48
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,405.52	702.76
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,686.76	843.31
26 24 19 00-0463 EA Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	140.55	70.27
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	843.27	421.65
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,264.90	632.48
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,405.52	702.76
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,686.76	843.31
26 24 19 00-0468 EA Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	140.55	70.27
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	983.88	491.93
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,264.90	632.48

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,686.76	843.31
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,967.46	983.72
26 24 19 00-0473 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	210.82	105.41
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	1,124.41	562.21
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,546.20	773.03
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,967.46	983.72
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	2,248.44	1,124.27
26 24 19 00-0478 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	281.10	140.55
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	1,124.41	562.21
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,686.76	843.31
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	2,108.04	1,053.99
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	2,389.53	1,194.82
26 24 19 00-0483 EA Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	281.10	140.55
26 24 19 00-0484 Motor Control Centers (26 24 19)		
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	17,361.40	281.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.66	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	17,361.40	281.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.66	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	17,361.40	281.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.66	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	17,431.71	316.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	189.76	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	18,519.15	351.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.83	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	18,589.40	386.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	231.90	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	18,659.66	421.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	252.98	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	18,800.27	491.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	295.16	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	18,940.80	562.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	337.32	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	31,760.32	632.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	379.47	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	34,099.73	702.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	421.66	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	25,700.38	281.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.66	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	26,778.24	302.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	181.31	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	30,416.22	330.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	198.17	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	33,849.06	351.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.83	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	36,838.47	407.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	244.57	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	40,357.25	435.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	261.43	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	43,873.93	463.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	278.28	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	48,049.75	505.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	303.60	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	55,903.14	562.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	337.32	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	60,562.19	597.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	358.43	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	92,398.58	702.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	421.66	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	98,457.51	773.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	463.86	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	103,735.44	843.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	506.03	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	112,954.92	913.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	548.24	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	24,255.75	281.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.66	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	24,326.06	316.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	189.76	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	24,396.30	351.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.83	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	24,466.55	386.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	231.90	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	24,540.92	421.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	252.98	
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	24,611.26	456.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.08	
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	24,681.53	491.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	295.16	
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	24,962.55	632.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	379.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,370.89 421.66	702.76
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,511.57 463.86	773.03
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,838.60 506.03	843.31
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,548.91 84.33	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,836.60 84.33	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,025.35 84.33	
26 24 19 00-0525 4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,947.36 252.98	421.65
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,017.70 274.08	456.80
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,087.97 295.16	491.93
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,158.28 316.26	527.07
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,235.42 337.32	562.21
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,305.77 358.43	597.35
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,375.91 379.47	632.48
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,446.32 400.59	667.62
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,516.53 421.66	702.76
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,634.71 548.24	913.72
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,774.69 590.24	983.72
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,103.79 632.41	1,053.99
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,244.19 674.53	1,124.27
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,273.24 252.98	421.65
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,631.27 274.08	456.80
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,037.48 295.16	491.93
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,488.18 316.26	527.07
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,435.33 337.32	562.21
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,968.26 358.43	597.35
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,285.22 379.47	632.48
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,660.75 400.59	667.62
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56,334.26 421.66	702.76
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61,554.26 442.75	737.90
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,844.55 484.92	808.17
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,207.68 506.03	843.31
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75,324.00 527.07	878.45
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81,076.52 548.24	913.72
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128,370.83 674.53	1,124.27
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142,732.15 716.86	1,194.82
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171,487.58 758.95	1,264.96
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181,361.60 758.95	1,264.96
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,978.20 295.16	491.93
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,048.51 316.26	527.07
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,118.73 337.32	562.21

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,189.08 358.43	597.35
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,425.14 379.47	632.48
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,495.55 400.59	667.62
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,565.76 421.66	702.76
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,636.06 442.75	737.90
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,706.44 463.86	773.03
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,127.70 590.24	983.72
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,823.69 632.41	1,053.99
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,142.34 674.53	1,124.27
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,142.34 674.53	1,124.27
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,588.95 84.33	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,908.93 84.33	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,679.95 84.33	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	13,818.42	281.10
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	16,638.73	421.65
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant	5,396.19	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters	273.40	21.08
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused	1,563.32	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	838.80	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,498.11	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each	159.99	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each	530.25	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light	159.99	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light	484.54	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type	1,289.05	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type	1,289.05	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter	3,855.73	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,658.10	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter	526.70	21.08
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection	3,756.30	70.27
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection	7,137.20	35.14
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection	2,873.22	35.14
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters	5,306.24	21.08
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism	7,673.41	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay	630.85	70.27
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay	464.78	70.27
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,470.28	421.48
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,555.80	746.03
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	3,075.59	955.24
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,922.97	1,538.21
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,770.16	1,692.04
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	7,357.15	1,876.62
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	8,567.56	2,199.65
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	14,420.88	2,562.67
26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607 EA 600 Amperes Incoming Section, Main Lugs	1,225.89	538.38
26 24 19 00-0608 EA 800 Amperes Incoming Section, Main Lugs	1,334.79	538.38
26 24 19 00-0609 EA 1,200 Amperes Incoming Section, Main Lugs	1,887.05	846.02
26 24 19 00-0610 EA 2,000 Amperes Incoming Section, Main Lugs	4,458.52	1,538.21
26 24 19 00-0611 EA 3,000 Amperes Incoming Section, Main Lugs	6,755.27	2,230.41
26 24 19 00-0612 EA 4,000 Amperes Incoming Section, Main Lugs	9,597.44	3,076.43



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0613			Incoming Main Circuit Breaker Structure <small>(26 24 19 00-0484)</small> Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
	26 24 19 00-0614	EA		225 Amperes, Main Circuit Breaker Section.....	7,362.73	744.34
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0615	EA		400 Amperes, Main Circuit Breaker Section.....	15,420.33	956.16
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0616	EA		600 Amperes, Main Circuit Breaker Section.....	16,177.27	1,489.30
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0617	EA		800 Amperes, Main Circuit Breaker Section.....	22,775.58	1,489.30
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0618	EA		1,200 Amperes, Main Circuit Breaker Section.....	32,807.44	1,685.12
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0619			Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small> Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
	26 24 19 00-0620	EA		200 Amperes, Fusible Main Disconnect Section.....	6,426.25	745.27
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0621	EA		400 Amperes, Fusible Main Disconnect Section.....	8,848.66	956.62
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0622	EA		600 Amperes, Fusible Main Disconnect Section.....	17,160.18	1,490.53
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0623	EA		800 Amperes, Fusible Main Disconnect Section.....	19,866.93	1,490.53
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0624	EA		1,200 Amperes, Fusible Main Disconnect Section.....	27,841.91	1,686.65
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
	26 24 19 00-0625			Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
	26 24 19 00-0626			Class I, Type A <small>(26 24 19 00-0625)</small>		
	26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter.....	1,206.88	312.25
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.04	
	26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter.....	1,397.86	312.25
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.21	
	26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter.....	2,016.29	443.00
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	265.21	
	26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter.....	3,232.82	582.99
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.59	
	26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter.....	5,675.44	729.11
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	436.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0632 Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter	1,133.21	272.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>153.82</i>	
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter	1,317.91	272.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>173.22</i>	
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter	1,921.09	393.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>236.65</i>	
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter	3,135.71	533.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>320.46</i>	
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter	5,597.12	681.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>413.50</i>	
26 24 19 00-0638 Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter	1,179.94	252.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>139.33</i>	
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter	1,378.80	252.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>163.64</i>	
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter	2,038.01	376.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>226.21</i>	
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter	3,261.38	521.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>312.65</i>	
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter	5,710.31	669.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>400.58</i>	
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter	1,230.60	373.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>211.29</i>	
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter	1,662.78	373.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>235.92</i>	
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter	2,332.01	498.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>298.10</i>	
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter	3,738.85	638.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>384.56</i>	
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter	6,592.73	779.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>468.97</i>	
26 24 19 00-0650 Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter	1,494.42	353.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>202.40</i>	
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter	1,708.18	353.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>221.01</i>	
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter	2,456.11	483.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>289.14</i>	
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter	3,853.24	622.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>373.35</i>	
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter	6,727.87	769.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>463.32</i>	
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter	1,109.05	287.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>173.22</i>	
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter	1,653.72	393.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>235.92</i>	
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter	2,578.94	512.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>307.64</i>	
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter	3,536.17	718.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>432.08</i>	
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter	6,042.47	915.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>549.36</i>	
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter	1,112.83	256.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>153.82</i>	
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter	1,501.78	352.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>211.29</i>	
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter	2,200.07	470.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>282.76</i>	
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter	3,633.37	679.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>409.10</i>	
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter	6,118.26	864.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>519.67</i>	
26 24 19 00-0669 Class I, Type C <small>(26 24 19 00-0656)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,163.97 144.03	239.96
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,567.28 197.21	326.10
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,367.40 274.68	453.77
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,799.22 400.58	669.13
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,803.38 512.74	855.25
26 24 19 00-0675 Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,419.88 216.04	359.94
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,826.77 268.92	449.16
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,616.83 346.44	578.37
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,190.76 468.97	779.87
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,023.46 582.66	973.69
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,458.18 202.40	338.41
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,891.73 254.67	424.55
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,751.09 331.51	552.22
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,337.58 457.80	761.42
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,160.60 565.52	942.92
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	348.83	104.60
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	348.83	104.60
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	517.34	152.29
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	621.83	199.97
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	1,030.97	304.57
26 24 19 00-0694 Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	348.83	104.60
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	468.07	152.29
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	645.94	199.97
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	1,098.26	304.57
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,538.35	443.00
26 24 19 00-0700 Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	140.40	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	140.40	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	212.86	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	212.86	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	423.46	
26 24 19 00-0706 Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High.....	3,901.56	809.56
26 24 19 00-0708 Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway.....	6,834.95	2,108.28
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710 EA 25" To 35" Wide Basic Section (No Vertical Wireway).....	6,834.95	2,108.28
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway.....	7,451.93	2,108.28
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712 EA Corner Section.....	7,451.93	2,108.28
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0484)</small>		
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,665.71	296.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	177.65	
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,853.54	328.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.04	
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker.....	3,158.55	441.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	264.91	
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,556.32	582.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	349.28	
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker.....	10,129.35	727.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	436.50	
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker.....	23,273.10	727.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	436.50	
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,663.32	256.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.66	
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,875.76	288.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.04	
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker.....	3,204.59	393.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	236.26	
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,538.30	533.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	320.28	
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker.....	10,131.31	689.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	413.50	
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker.....	23,416.49	689.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	413.50	
26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,623.33	370.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.29	
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,199.26	409.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	245.98	
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	5,218.89	550.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	330.56	
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	8,883.95	728.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	436.99	
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	15,870.41	911.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	546.76	
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,640.18	319.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.96	
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,242.34	360.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	216.45	
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	5,283.91	493.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	295.81	
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	8,880.51	667.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	400.58	
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	15,890.28	862.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	517.34	
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,859.22	370.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.29	
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	4,018.57	409.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	245.98	
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	7,488.13	550.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	330.56	
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	10,187.62	728.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	436.99	
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	20,187.15	911.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	546.76	
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,876.07	319.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.96	
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	4,061.66	360.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	216.45	
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	7,553.14	493.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.81	
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	10,184.18	667.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	400.58	
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	20,207.02	862.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	517.34	
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small>		
<i>Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.</i>		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,365.27	288.72
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,786.53	392.39
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,917.71	511.30
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,859.06	720.20
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	9,535.28	915.55
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	23,569.01	915.55
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,376.45	255.96
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,806.98	351.48
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,979.02	471.31
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	4,861.09	681.89
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	9,514.93	866.17
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	23,690.19	866.17
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,293.85	361.48
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,190.48	490.54
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,888.24	638.82
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,059.91	902.77
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	16,190.70	1,056.44
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,327.77	319.95
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,228.99	439.01
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,971.12	589.75
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,074.00	850.78
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	16,188.21	996.30
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,649.25	361.48
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,022.37	490.54
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,181.06	638.82
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,537.97	902.77
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	19,629.94	1,056.44
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,684.22	319.95
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,060.89	439.01
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,263.94	589.75
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,552.06	850.78
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	19,627.45	996.30
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small>		
<i>Note: Per section. Labor is included in basic distribution section.</i>		
26 24 19 00-0786 EA 600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	277.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 24 19 00-0787 EA 800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	338.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 24 19 00-0788 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	406.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86	
26 24 19 00-0789 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	526.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86	
26 24 19 00-0790 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	877.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	160.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0792	Disconnect Switch For Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0793	3 Pole Circuit Breaker Disconnect For Motor Control Center <small>(26 24 19 00-0792)</small> Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,011.81	222.27
26 24 19 00-0795	EA 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,688.47	246.12
26 24 19 00-0796	EA 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,077.88	331.49
26 24 19 00-0797	EA 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,382.70	436.85
26 24 19 00-0798	EA 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,724.22	546.06
26 24 19 00-0799	EA 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	6,485.67	546.06
26 24 19 00-0800	EA 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	13,107.62	683.73
26 24 19 00-0801	Fusible Disconnect Switch For Motor Control Center <small>(26 24 19 00-0792)</small> Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	951.17	216.12
26 24 19 00-0803	EA 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	1,139.58	294.56
26 24 19 00-0804	EA 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,549.46	376.87
26 24 19 00-0805	EA 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,814.46	539.91
26 24 19 00-0806	EA 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,875.55	686.66
26 24 19 00-0807	EA 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	10,788.46	686.66
26 24 19 00-0808	EA 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	13,341.28	858.33
26 24 19 00-0809	EA 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	19,530.96	858.33
26 24 19 00-0810	Control Circuit Transformer <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA Control Circuit Transformer, Size 1 Factory Installed.....	74.90	
26 24 19 00-0812	EA Control Circuit Transformer, Size 2 Factory Installed.....	74.90	
26 24 19 00-0813	EA Control Circuit Transformer, Size 3 Factory Installed.....	144.26	
26 24 19 00-0814	EA Control Circuit Transformer, Size 4 Factory Installed.....	144.26	
26 24 19 00-0815	EA Control Circuit Transformer, Size 5 Factory Installed.....	200.41	
26 24 19 00-0816	EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	64.20	17.40
26 24 19 00-0817	Cover Mounted Control Devices <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818	EA Control Device, 2 Unit Push Button Station Cover Mounted.....	138.99	30.76
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.23	
26 24 19 00-0819	EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	157.80	30.76
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.04	
26 24 19 00-0820	EA Control Device, Pilot Light Cover Mounted.....	128.46	30.76
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 24 19 00-0821	EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	365.49	104.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.04	
26 24 19 00-0822	EA Auxiliary Contact Add Per Starter.....	402.14	39.84
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.91	
26 24 19 00-0823	Extra Interlocks <small>(26 24 19 00-0484)</small> Note: Per contact.		
26 24 19 00-0824	EA Extra Interlocks, Class I, Type A Per Contact.....	91.86	19.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 24 19 00-0825	EA Extra Interlocks, Class I, Type B Per Contact.....	123.17	19.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 24 19 00-0826	EA Extra Interlocks, Class I, Type C Per Contact.....	134.00	19.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.02	
26 24 19 00-0827	EA Extra Interlocks, Class II, Type B Per Contact.....	119.72	19.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62	
26 24 19 00-0828	EA Extra Interlocks, Class II, Type C Per Contact.....	124.38	19.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.25	
26 24 19 00-0829	Special Cabinet Provisions <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830	EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	937.67	
26 24 19 00-0831	Nameplate Requirements <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832	EA Special Cabinet Nameplate Requirements.....	33.29	
26 24 19 00-0833	Auxiliary Relays <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834	EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	200.31	38.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 24 19 00-0835	EA Timing Relay, Solid State, DPDT 0.1-1.0 Sec Variable, Off-Delay.....	190.29	34.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 24 19 00-0836	EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base.....	115.54	34.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 24 19 00-0837	Motor Control Center Accessories <small>(26 24 19 00-0484)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

26 24 19 00-0838

Lighting Transformer With Circuit Breaker (26 24 19 00-0837)

Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.

26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,646.70	491.30
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,870.95	510.96
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,419.63	550.26
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,024.67	589.57
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,716.92	628.87
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,135.87	707.48
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	17,196.21	786.09
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,128.19	648.53
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,005.03	707.48
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,576.43	786.09
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,355.91	864.70
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	16,069.61	943.31
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	16,602.49	1,021.92

26 24 19 00-0852

Bolt-On Lighting Panel (26 24 19 00-0837)

Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.

26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,618.17	800.49
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	4,139.03	1,393.31
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	5,513.63	1,885.08
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,749.42	866.17
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,079.74	1,363.63
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	5,749.26	2,002.91
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,253.43	928.47
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,762.92	1,490.53
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	7,255.80	2,002.91
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,399.46	1,001.38
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,762.92	1,490.53
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	7,385.01	2,067.52

26 24 19 00-0865

Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)

Note: For MCC lighting panel only.

26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker.....	22.75	
26 24 19 00-0867	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	288.98	
26 24 19 00-0868	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker.....	44.47	
26 24 19 00-0869	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker.....	102.38	
26 24 19 00-0870	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker.....	119.96	
26 24 19 00-0871	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker.....	182.02	

26 24 19 00-0872

Blank Unit Door (BUD) (26 24 19 00-0837)

Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	77.06	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	92.47	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	138.71	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	184.95	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	277.42	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	323.65	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	369.89	

26 25 Enclosed Bus Assemblies (26 20)

26 25 13 Low-Voltage Busways (26 25)

26 25 13 00-0001

Plug-In Bus Duct (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 13 00-0002

600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0001)

26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	287.52	46.15
		For Up To 25, Add	71.88	
		For >25 To 50, Add	43.13	
		For >50 To 100, Add	21.56	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	397.97	46.15
		For Up To 25, Add	99.49	
		For >25 To 50, Add	59.70	
		For >50 To 100, Add	29.85	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	500.48	61.53
		For Up To 25, Add	125.12	
		For >25 To 50, Add	75.07	
		For >50 To 100, Add	37.54	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	679.51	61.53
		For Up To 25, Add	169.88	
		For >25 To 50, Add	101.93	
		For >50 To 100, Add	50.96	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 25	Enclosed Bus Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0007 LF 1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	717.59	76.91
For Up To 25, Add	179.40	
For >25 To 50, Add	107.64	
For >50 To 100, Add	53.82	
26 25 13 00-0008 LF 1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	985.75	76.91
For Up To 25, Add	246.44	
For >25 To 50, Add	147.86	
For >50 To 100, Add	73.93	
26 25 13 00-0009 LF 1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,146.72	80.76
For Up To 25, Add	286.68	
For >25 To 50, Add	172.01	
For >50 To 100, Add	86.00	
26 25 13 00-0010 LF 2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,385.74	83.06
For Up To 25, Add	346.44	
For >25 To 50, Add	207.86	
For >50 To 100, Add	103.93	
26 25 13 00-0011 LF 2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,700.03	87.68
For Up To 25, Add	425.01	
For >25 To 50, Add	255.00	
For >50 To 100, Add	127.50	
26 25 13 00-0012 LF 3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,963.68	102.29
For Up To 25, Add	490.92	
For >25 To 50, Add	294.55	
For >50 To 100, Add	147.28	
26 25 13 00-0013 LF 4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,267.78	111.52
For Up To 25, Add	566.95	
For >25 To 50, Add	340.17	
For >50 To 100, Add	170.08	
26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 13 00-0001)</small>		
26 25 13 00-0015 LF 225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	448.64	46.15
For Up To 25, Add	112.16	
For >25 To 50, Add	67.30	
For >50 To 100, Add	33.65	
26 25 13 00-0016 LF 400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	638.75	46.15
For Up To 25, Add	159.69	
For >25 To 50, Add	95.81	
For >50 To 100, Add	47.91	
26 25 13 00-0017 LF 600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	722.19	61.53
For Up To 25, Add	180.55	
For >25 To 50, Add	108.33	
For >50 To 100, Add	54.16	
26 25 13 00-0018 LF 800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	911.95	61.53
For Up To 25, Add	227.99	
For >25 To 50, Add	136.79	
For >50 To 100, Add	68.40	
26 25 13 00-0019 LF 1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,107.28	76.91
For Up To 25, Add	276.82	
For >25 To 50, Add	166.09	
For >50 To 100, Add	83.05	
26 25 13 00-0020 LF 1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,423.78	76.91
For Up To 25, Add	355.95	
For >25 To 50, Add	213.57	
For >50 To 100, Add	106.78	
26 25 13 00-0021 LF 1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,832.96	79.68
For Up To 25, Add	458.24	
For >25 To 50, Add	274.94	
For >50 To 100, Add	137.47	
26 25 13 00-0022 LF 2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,198.78	83.06
For Up To 25, Add	549.70	
For >25 To 50, Add	329.82	
For >50 To 100, Add	164.91	
26 25 13 00-0023 LF 2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,716.42	86.91
For Up To 25, Add	679.11	
For >25 To 50, Add	407.46	
For >50 To 100, Add	203.73	
26 25 13 00-0024 LF 3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,136.46	102.29
For Up To 25, Add	784.12	
For >25 To 50, Add	470.47	
For >50 To 100, Add	235.23	
26 25 13 00-0025 LF 4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,630.93	111.52
For Up To 25, Add	907.73	
For >25 To 50, Add	544.64	
For >50 To 100, Add	272.32	
26 25 13 00-0026 Cable Tap Boxes <small>(26 25 13 00-0001)</small>		
26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 13 00-0026)</small>		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,244.81	215.35
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,340.31	215.35
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,542.57	292.26
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,719.67	292.26
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,926.82	384.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0033 EA 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,210.38	384.55
26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0035 EA 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,340.31	423.01
26 25 13 00-0036 EA 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,560.22	423.01
26 25 13 00-0037 EA 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,753.41	576.83
26 25 13 00-0038 EA 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,096.84	576.83
26 25 13 00-0039 EA 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,275.33	769.11
26 25 13 00-0040 EA 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,719.47	769.11
26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)		
26 25 13 00-0042 240 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0043 EA 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	1,042.70	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.15</i>	
26 25 13 00-0044 EA 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	2,012.41	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>108.02</i>	
26 25 13 00-0045 600 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0046 EA 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	1,932.83	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.15</i>	
26 25 13 00-0047 EA 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,502.46	153.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>108.02</i>	
26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0049 EA 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,199.93	184.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>96.14</i>	
26 25 13 00-0050 EA 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,439.05	184.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>120.17</i>	
26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0052 EA 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,358.93	184.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>96.14</i>	
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,061.66	184.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>120.17</i>	
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,117.35	638.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>276.66</i>	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,378.21	638.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>600.86</i>	
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,415.24	1,845.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>835.99</i>	
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	10,980.95	1,845.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,479.05</i>	
26 25 13 00-0058 Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)		
26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,040.51	153.82
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,151.32	153.82
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,578.85	184.58
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,674.49	369.17
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,681.49	830.64
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,126.97	1,445.92
26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,071.24	169.21
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,179.76	169.21
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,583.71	169.21
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,725.98	353.79
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,640.40	799.88
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,418.30	1,538.21
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,796.23	1,999.68
26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,200.65	199.97
26 25 13 00-0076 EA 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,301.58	199.97
26 25 13 00-0077 EA 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,758.31	199.97
26 25 13 00-0078 EA 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,977.13	415.31
26 25 13 00-0079 EA 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,356.72	922.93
26 25 13 00-0080 EA 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,738.69	1,415.16
26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 25	Enclosed Bus Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,237.21	199.97
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,338.15	169.67
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,868.24	230.73
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,095.45	415.31
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,356.72	922.93
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,738.69	1,415.16
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,781.95	1,876.62

26 25 16 Low-Voltage Cablebus Systems (26 25)

26 25 16 00-0001	Feeder Bus Duct <small>(26 25 16)</small> Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers and hardware support.		
26 25 16 00-0002	600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 16 00-0001)</small> Note: Copper conductors.		
26 25 16 00-0003	LF 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	799.62	64.60
	For Up To 25, Add	199.91	
	For >25 To 50, Add	119.94	
	For >50 To 100, Add	59.97	
26 25 16 00-0004	LF 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	812.75	64.60
	For Up To 25, Add	203.19	
	For >25 To 50, Add	121.91	
	For >50 To 100, Add	60.96	
26 25 16 00-0005	LF 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,056.26	64.60
	For Up To 25, Add	264.07	
	For >25 To 50, Add	158.44	
	For >50 To 100, Add	79.22	
26 25 16 00-0006	LF 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,263.88	64.60
	For Up To 25, Add	315.97	
	For >25 To 50, Add	189.58	
	For >50 To 100, Add	94.79	
26 25 16 00-0007	LF 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,541.72	64.60
	For Up To 25, Add	385.43	
	For >25 To 50, Add	231.26	
	For >50 To 100, Add	115.63	
26 25 16 00-0008	LF 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,105.53	153.82
	For Up To 25, Add	526.38	
	For >25 To 50, Add	315.83	
	For >50 To 100, Add	157.91	
26 25 16 00-0009	LF 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,900.82	153.82
	For Up To 25, Add	725.21	
	For >25 To 50, Add	435.12	
	For >50 To 100, Add	217.56	
26 25 16 00-0010	LF 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,432.36	153.82
	For Up To 25, Add	858.09	
	For >25 To 50, Add	514.85	
	For >50 To 100, Add	257.43	
26 25 16 00-0011	LF 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,220.75	153.82
	For Up To 25, Add	1,055.19	
	For >25 To 50, Add	633.11	
	For >50 To 100, Add	316.56	
26 25 16 00-0012	277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 16 00-0001)</small> Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	912.25	69.22
	For Up To 25, Add	228.06	
	For >25 To 50, Add	136.84	
	For >50 To 100, Add	68.42	
26 25 16 00-0014	LF 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	930.07	69.22
	For Up To 25, Add	232.52	
	For >25 To 50, Add	139.51	
	For >50 To 100, Add	69.76	
26 25 16 00-0015	LF 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,190.32	69.22
	For Up To 25, Add	297.58	
	For >25 To 50, Add	178.55	
	For >50 To 100, Add	89.27	
26 25 16 00-0016	LF 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,410.60	69.22
	For Up To 25, Add	352.65	
	For >25 To 50, Add	211.59	
	For >50 To 100, Add	105.80	
26 25 16 00-0017	LF 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,701.61	69.22
	For Up To 25, Add	425.40	
	For >25 To 50, Add	255.24	
	For >50 To 100, Add	127.62	
26 25 16 00-0018	LF 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,606.59	118.45
	For Up To 25, Add	651.65	
	For >25 To 50, Add	390.99	
	For >50 To 100, Add	195.49	
26 25 16 00-0019	LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,267.94	118.45
	For Up To 25, Add	816.99	
	For >25 To 50, Add	490.19	
	For >50 To 100, Add	245.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25	16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	3,868.20 967.05 580.23 290.12	219.96
26 25	16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	4,761.08 1,190.27 714.16 357.08	219.96

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	311.32	99.98
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	327.87	99.98
26 27 13 00-0005	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	428.09	123.05
26 27 13 00-0006	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	432.80	123.05
26 27 13 00-0007	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	793.52	138.44
26 27 13 00-0008	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,042.11	153.82
26 27 13 00-0009	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,483.38	169.21
26 27 13 00-0010	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	3,101.10	769.11

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012	EA	100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.76 18.92	30.76
26 27 13 00-0013	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	780.29 19.25	30.80

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	655.84	199.97
------------------	----	---	--------	--------

26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,102.30	96.14
26 27 13 00-0019	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,445.87	115.36
26 27 13 00-0020	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,787.66	134.59
26 27 13 00-0021	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,070.59	153.82
26 27 13 00-0022	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,683.60	173.05
26 27 13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,900.48	192.28
26 27 13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,387.81	230.73

26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0026	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,994.48	96.14
26 27 13 00-0027	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,621.77	115.36
26 27 13 00-0028	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,608.72	153.82
26 27 13 00-0029	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,004.02	173.05
26 27 13 00-0030	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,023.86	192.28

26 27 13 00-0031 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)

26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,682.39	134.59
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,199.06	153.82
26 27 13 00-0034	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,683.60	173.05
26 27 13 00-0035	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,150.29	192.28
26 27 13 00-0036	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,956.02	211.51
26 27 13 00-0037	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,155.09	230.73
26 27 13 00-0038	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,141.99	269.19

26 27 13 00-0039 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)

26 27 13 00-0040	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,570.99	134.59
26 27 13 00-0041	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,358.89	153.82
26 27 13 00-0042	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,720.52	192.28
26 27 13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,062.32	211.51
26 27 13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,456.84	230.73



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 13 00-0045	120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0046	800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0045)		
26 27 13 00-0047	EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,204.99	115.36
26 27 13 00-0048	EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,568.19	134.59
26 27 13 00-0049	EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,929.62	153.82
26 27 13 00-0050	EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,237.51	173.05
26 27 13 00-0051	EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,739.89	192.28
26 27 13 00-0052	EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,956.79	211.51
26 27 13 00-0053	EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,640.40	249.96
26 27 13 00-0054	1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0055	EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,104.31	115.36
26 27 13 00-0056	EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,767.29	134.59
26 27 13 00-0057	EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,986.18	173.05
26 27 13 00-0058	EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,381.50	192.28
26 27 13 00-0059	EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,294.33	211.51
26 27 13 00-0060	800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0061	EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,785.11	153.82
26 27 13 00-0062	EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,308.92	173.05
26 27 13 00-0063	EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,846.99	192.28
26 27 13 00-0064	EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,313.70	211.51
26 27 13 00-0065	EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,155.15	230.73
26 27 13 00-0066	EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,354.14	249.96
26 27 13 00-0067	EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,412.48	288.41
26 27 13 00-0068	1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0069	EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,698.70	153.82
26 27 13 00-0070	EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,540.12	173.05
26 27 13 00-0071	EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,062.36	211.51
26 27 13 00-0072	EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,297.07	230.73
26 27 13 00-0073	EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,709.48	249.96
26 27 13 00-0074	120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0075	800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0076	EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,102.30	96.14
26 27 13 00-0077	EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,445.87	115.36
26 27 13 00-0078	EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,070.59	153.82
26 27 13 00-0079	EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,683.60	173.05
26 27 13 00-0080	EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,310.88	192.28
26 27 13 00-0081	1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0082	EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,994.47	96.14
26 27 13 00-0083	EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,621.76	115.36
26 27 13 00-0084	EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,787.13	153.82
26 27 13 00-0085	EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,182.45	173.05
26 27 13 00-0086	EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,023.86	192.28
26 27 13 00-0087	800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0088	EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,682.39	134.59
26 27 13 00-0089	EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,199.06	153.82
26 27 13 00-0090	EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,150.29	192.28
26 27 13 00-0091	EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,956.02	211.51
26 27 13 00-0092	EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,155.09	230.73
26 27 13 00-0093	1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0094	EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,571.01	134.59
26 27 13 00-0095	EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,358.89	153.82
26 27 13 00-0096	EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,720.52	192.28
26 27 13 00-0097	EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,062.32	211.51
26 27 13 00-0098	EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,456.90	230.73



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,204.99	115.36
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,568.19	134.59
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,237.51	173.05
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,918.33	192.28
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,313.66	211.51
26 27 13 00-0106 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,104.30	115.36
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,767.27	134.59
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,807.74	173.05
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,203.06	192.28
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,294.29	211.51
26 27 13 00-0112 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,785.09	153.82
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,308.89	173.05
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,313.66	211.51
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,155.09	230.73
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,354.14	249.96
26 27 13 00-0118 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,698.68	153.82
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,540.09	173.05
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,062.32	211.51
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,297.07	230.73
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,709.48	249.96
26 27 13 00-0124 Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,195.89	92.29
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,568.48	184.58
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,923.11	138.44
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,330.63	138.44
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,982.97	138.44
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,330.81	127.67
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,280.38	230.73
26 27 13 00-0132 Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134 EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,982.84	923.08
26 27 13 00-0135 EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,944.56	923.08
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137 EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,205.31	923.08
26 27 13 00-0138 EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,302.40	923.08
26 27 13 00-0139 EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,191.77	923.08
26 27 16 Electrical Cabinets and Enclosures <small>(26 27)</small>		
Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001 NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>		
26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004 EA 6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	93.57	30.76
26 27 16 00-0005 EA 6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.63	33.84
26 27 16 00-0006 EA 8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	115.78	36.91
26 27 16 00-0007 EA 8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	135.16	43.07
26 27 16 00-0008 EA 10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	146.86	46.15
26 27 16 00-0009 EA 10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	159.31	49.23
26 27 16 00-0010 EA 12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	158.93	49.23
26 27 16 00-0011 EA 12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	171.65	52.30

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0012	EA		12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	184.94	55.38
26 27 16 00-0013	EA		16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	240.78	73.84
26 27 16 00-0014	EA		16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	291.92	89.22
26 27 16 00-0015	EA		18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	277.97	86.14
26 27 16 00-0016			6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA		6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	116.53	36.91
26 27 16 00-0018	EA		8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	140.67	43.07
26 27 16 00-0019	EA		10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	168.33	52.30
26 27 16 00-0020	EA		10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	181.34	55.38
26 27 16 00-0021	EA		12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	194.58	58.45
26 27 16 00-0022	EA		12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	208.36	61.53
26 27 16 00-0023	EA		16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	265.45	79.99
26 27 16 00-0024	EA		16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	322.51	98.44
26 27 16 00-0025	EA		18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	311.22	95.37
26 27 16 00-0026	EA		18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	404.77	123.05
26 27 16 00-0027	EA		24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	511.89	141.52
26 27 16 00-0028	EA		24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	581.27	153.82
26 27 16 00-0029	EA		30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	643.30	163.05
26 27 16 00-0030	EA		36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	697.64	169.21
26 27 16 00-0031	EA		24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	481.16	123.05
26 27 16 00-0032			Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0033			3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0034	EA		4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	64.62	21.54
26 27 16 00-0035	EA		6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	92.36	30.76
26 27 16 00-0036	EA		8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.79	33.84
26 27 16 00-0037			4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0038	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	72.51	24.61
26 27 16 00-0039	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	90.02	30.76
26 27 16 00-0040	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	100.30	33.84
26 27 16 00-0041	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	110.73	36.91
26 27 16 00-0042	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.21	43.07
26 27 16 00-0043	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	140.05	46.15
26 27 16 00-0044	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	151.38	49.23
26 27 16 00-0045	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	151.02	49.23
26 27 16 00-0046	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	162.78	52.30
26 27 16 00-0047	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	174.84	55.38
26 27 16 00-0048	EA		16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	229.38	73.84
26 27 16 00-0049	EA		16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	284.63	92.29
26 27 16 00-0050	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	264.35	86.14
26 27 16 00-0051	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	342.02	110.75
26 27 16 00-0052	EA		24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	483.42	138.44
26 27 16 00-0053			6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0054	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	111.25	36.91
26 27 16 00-0055	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	122.37	39.99
26 27 16 00-0056	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	141.07	46.15
26 27 16 00-0057	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	160.12	52.30
26 27 16 00-0058	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	172.02	55.38
26 27 16 00-0059	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	184.05	58.45
26 27 16 00-0060	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	196.49	61.53
26 27 16 00-0061	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	252.17	79.99
26 27 16 00-0062	EA		16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	309.91	98.44
26 27 16 00-0063	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	295.42	95.37
26 27 16 00-0064	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	383.66	123.05
26 27 16 00-0065	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	473.27	141.52
26 27 16 00-0066	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	538.36	153.82
26 27 16 00-0067	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	579.81	163.05
26 27 16 00-0068	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	629.79	169.21
26 27 16 00-0069			8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0070	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	160.12	52.30
26 27 16 00-0071	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	216.67	67.68
26 27 16 00-0072	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	275.48	86.14
26 27 16 00-0073	EA		16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	342.29	107.68
26 27 16 00-0074	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	327.96	104.60
26 27 16 00-0075	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	406.09	129.21
26 27 16 00-0076	EA		24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	454.61	147.67
26 27 16 00-0077	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	520.35	156.89
26 27 16 00-0078	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	593.46	169.21
26 27 16 00-0079	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	630.68	178.43
26 27 16 00-0080	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	661.20	184.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	676.34	184.58
26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	371.33	116.90
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	487.21	150.74
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	496.72	159.98
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	627.37	172.28
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	718.37	190.74
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	790.10	196.89
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	840.94	206.12
26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	537.72	166.13
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	540.35	175.36
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	690.42	190.74
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	784.63	209.19
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	872.57	218.43
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	919.01	227.66
26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)		
26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,283.73	135.37
26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	124.53	24.61
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	162.97	33.84
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	202.16	43.07
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	218.64	46.15
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	244.29	49.23
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	262.83	52.30
26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	180.63	36.91
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	198.71	39.99
26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	251.08	24.61
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	302.42	33.84
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	341.60	36.91
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	391.07	43.07
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	402.75	46.15
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	474.14	49.23
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	508.95	52.30
26 27 16 00-0121 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	577.95	55.38
26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0123 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	366.97	36.91
26 27 16 00-0124 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	414.35	39.99
26 27 16 00-0125 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	452.38	46.15
26 27 16 00-0126 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	535.29	55.38
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	581.71	61.53
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	806.25	79.99
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,249.14	123.05
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,630.57	141.52
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,836.74	153.82
26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,702.90	156.89
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,959.17	169.21
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,151.39	178.43
26 27 16 00-0136 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,368.52	184.58
26 27 16 00-0137 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,336.64	184.58

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures ^(26 27 16 00-0100)		
26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures ^(26 27 16 00-0138)		
26 27 16 00-0140 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,356.03	249.96
26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures ^(26 27 16 00-0138)		
26 27 16 00-0142 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,432.91	276.88
26 27 16 00-0143 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,521.34	296.11
26 27 16 00-0144 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,809.63	369.17
26 27 16 00-0145 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,958.91	435.32
26 27 16 00-0146 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures ^(26 27 16 00-0138)		
26 27 16 00-0147 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,960.43	435.32
26 27 16 00-0148 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,868.52	461.46
26 27 16 00-0149 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,065.61	492.23
26 27 16 00-0150 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	11,095.79	492.23
26 27 16 00-0151 NEMA 3 Enclosures, Lockable ^(26 27 16) Note: Can be used underground or encased in concrete.		
26 27 16 00-0152 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0151)		
26 27 16 00-0153 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	349.91	107.68
26 27 16 00-0154 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0151)		
26 27 16 00-0155 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	371.20	107.68
26 27 16 00-0156 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	459.51	111.52
26 27 16 00-0157 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	474.00	111.52
26 27 16 00-0158 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	581.43	115.36
26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0151)		
26 27 16 00-0160 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	455.59	111.52
26 27 16 00-0161 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	493.48	111.52
26 27 16 00-0162 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	513.90	115.36
26 27 16 00-0163 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	630.28	115.36
26 27 16 00-0164 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	690.73	123.05
26 27 16 00-0165 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	742.53	130.75
26 27 16 00-0166 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	770.21	130.75
26 27 16 00-0167 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	904.07	134.59
26 27 16 00-0168 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	976.51	138.44
26 27 16 00-0169 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,316.73	153.82
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0151)		
26 27 16 00-0171 EA 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	664.19	119.21
26 27 16 00-0172 EA 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	828.17	134.59
26 27 16 00-0173 EA 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	959.48	138.44
26 27 16 00-0174 EA 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,096.02	142.29
26 27 16 00-0175 EA 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,161.31	142.29
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,316.38	153.82
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,519.92	173.05
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,433.50	165.36
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,779.25	307.65
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,731.75	384.55
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0151)		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,173.67	146.13
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,749.55	192.28
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,776.22	192.28
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,422.04	288.41
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,149.62	307.65
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,856.80	538.38
26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0151)		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,185.30	384.55
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0151)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,364.20	461.46
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,258.23	423.01
26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16) Note: Rain-tight enclosures.		
26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	122.73	30.76
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	135.47	33.84
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	196.94	36.91
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	247.81	46.15
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	277.12	52.30
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	324.37	58.45
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	350.21	61.53
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	455.94	79.99
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	545.98	98.44
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	626.51	123.05
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	943.39	156.89
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,044.98	169.21
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,173.07	178.43
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,232.98	184.58
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,168.74	190.74
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,320.23	215.35
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,461.71	238.43
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,610.11	263.04
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,753.12	286.11
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	768.07	150.74
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,168.74	190.74
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,376.02	196.89
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,732.73	215.35
26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,124.72	152.29
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,261.34	170.74
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,396.41	189.20
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,544.15	209.19
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,680.76	227.66
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	840.38	113.83
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,124.72	152.29
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,261.34	170.74
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,484.30	199.97
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,680.76	227.66
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,599.68	224.58
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,680.76	227.66
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,768.85	233.81
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,966.47	246.12
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	2,130.51	258.42
26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0240 EA 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	87.31	24.61
26 27 16 00-0241 EA 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	105.93	30.76
26 27 16 00-0242 EA 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	116.91	33.84
26 27 16 00-0243 EA 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	129.40	36.91
26 27 16 00-0244 EA 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	150.35	43.07
26 27 16 00-0245 EA 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	163.56	46.15
26 27 16 00-0246 EA 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.83	49.23
26 27 16 00-0247 EA 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.12	49.23
26 27 16 00-0248 EA 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	193.04	52.30
26 27 16 00-0249 EA 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	207.31	55.38
26 27 16 00-0250 EA 18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	314.14	86.14
26 27 16 00-0251 EA 18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	417.46	110.75
26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0253 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	122.36	36.91

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0254 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	165.46	46.15
26 27 16 00-0255 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	187.46	52.30
26 27 16 00-0256 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	202.70	55.38
26 27 16 00-0257 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	201.65	55.38
26 27 16 00-0258 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	217.75	58.45
26 27 16 00-0259 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	233.97	61.53
26 27 16 00-0260 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	305.24	79.99
26 27 16 00-0261 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	352.60	95.37
26 27 16 00-0262 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	468.97	123.05
26 27 16 00-0263 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	490.95	132.29
26 27 16 00-0264 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	557.66	141.52
26 27 16 00-0265 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	626.14	153.82
26 27 16 00-0266 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0267 EA 12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	261.47	67.68
26 27 16 00-0268 EA 18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	381.03	104.60
26 27 16 00-0269 EA 18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	518.59	135.37
26 27 16 00-0270 EA 24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	617.17	156.89
26 27 16 00-0271 EA 24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	695.31	169.21
26 27 16 00-0272 EA 30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	769.04	178.43
26 27 16 00-0273 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0274 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	572.63	150.74
26 27 16 00-0275 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	766.25	190.74
26 27 16 00-0276 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	836.25	196.89
26 27 16 00-0277 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0278 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	845.95	209.19
26 27 16 00-0279 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,155.51	227.66
26 27 16 00-0280 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,193.70	233.81
26 27 16 00-0281 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,386.32	246.12
26 27 16 00-0282 NEMA 4 Enclosures, Lockable (26 27 16)		
Note: Water-tight enclosures.		
26 27 16 00-0283 Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
26 27 16 00-0284 EA 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	129.43	21.54
26 27 16 00-0285 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	151.64	26.15
26 27 16 00-0286 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	189.92	33.84
26 27 16 00-0287 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	181.33	33.84
26 27 16 00-0288 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	242.70	46.15
26 27 16 00-0289 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	301.57	55.38
26 27 16 00-0290 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	279.02	52.30
26 27 16 00-0291 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	325.50	61.53
26 27 16 00-0292 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	382.39	70.75
26 27 16 00-0293 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	464.82	89.22
26 27 16 00-0294 Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
26 27 16 00-0295 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	119.45	21.54
26 27 16 00-0296 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	171.38	33.84
26 27 16 00-0297 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)		
26 27 16 00-0298 EA 6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	150.95	29.53
26 27 16 00-0299 EA 8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	160.60	32.00
26 27 16 00-0300 EA 10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	198.11	41.84
26 27 16 00-0301 EA 12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	230.81	46.15
26 27 16 00-0302 EA 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	297.73	58.45
26 27 16 00-0303 EA 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	348.25	69.22
26 27 16 00-0304 EA 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	495.59	110.75
26 27 16 00-0305 NEMA 4X Enclosures, Lockable (26 27 16)		
Note: Water-tight enclosures.		
26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0307 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	250.82	24.61
26 27 16 00-0308 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	297.50	33.84
26 27 16 00-0309 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	378.30	46.15
26 27 16 00-0310 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	459.02	55.38
26 27 16 00-0311 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	566.85	70.75
26 27 16 00-0312 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	671.49	89.22
26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0314 EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	344.38	21.54
<i>For 316 Stainless Steel, Add</i>	46.49	
26 27 16 00-0315 EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	448.70	30.76
<i>For 316 Stainless Steel, Add</i>	59.49	
26 27 16 00-0316 EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	508.16	33.84
<i>For 316 Stainless Steel, Add</i>	67.77	
26 27 16 00-0317 EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	581.08	36.91
<i>For 316 Stainless Steel, Add</i>	78.21	
26 27 16 00-0318 EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	713.89	46.15
<i>For 316 Stainless Steel, Add</i>	95.76	
26 27 16 00-0319 EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,002.33	58.45
<i>For 316 Stainless Steel, Add</i>	136.99	
26 27 16 00-0320 EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,248.98	70.75
<i>For 316 Stainless Steel, Add</i>	171.53	
26 27 16 00-0321 EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,506.79	89.22
<i>For 316 Stainless Steel, Add</i>	205.40	

26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0323 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	166.69	33.84
26 27 16 00-0324 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	187.34	36.91
26 27 16 00-0325 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	214.62	43.07
26 27 16 00-0326 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	233.10	46.15
26 27 16 00-0327 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	269.00	52.30
26 27 16 00-0328 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	253.88	52.30
26 27 16 00-0329 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	295.12	58.45
26 27 16 00-0330 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	369.15	70.75
26 27 16 00-0331 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	473.41	96.91
26 27 16 00-0332 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	613.81	139.51
26 27 16 00-0333 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	178.58	33.84
26 27 16 00-0334 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	201.39	36.91
26 27 16 00-0335 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	229.74	43.07
26 27 16 00-0336 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	251.45	46.15
26 27 16 00-0337 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	288.44	52.30
26 27 16 00-0338 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	272.25	52.30
26 27 16 00-0339 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	320.03	58.45
26 27 16 00-0340 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	382.12	70.75
26 27 16 00-0341 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	500.42	96.91
26 27 16 00-0342 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	642.96	139.51

26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0344 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	200.18	33.84
26 27 16 00-0345 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	214.35	36.91
26 27 16 00-0346 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	243.77	43.07
26 27 16 00-0347 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	263.34	46.15
26 27 16 00-0348 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	311.13	52.30
26 27 16 00-0349 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	287.37	52.30
26 27 16 00-0350 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	351.35	58.45
26 27 16 00-0351 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	417.77	70.75
26 27 16 00-0352 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	515.54	96.91
26 27 16 00-0353 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	668.88	139.51
26 27 16 00-0354 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	208.82	33.84
26 27 16 00-0355 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	230.54	36.91
26 27 16 00-0356 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	258.89	43.07
26 27 16 00-0357 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	279.53	46.15
26 27 16 00-0358 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	332.74	52.30
26 27 16 00-0359 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	305.72	52.30
26 27 16 00-0360 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	374.04	58.45
26 27 16 00-0361 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	428.57	70.75
26 27 16 00-0362 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	551.17	96.91
26 27 16 00-0363 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	706.70	139.51

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable (26 27 16)

Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)

26 27 16 00-0366 EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,384.15	173.05
<i>For Mounting Pan, Add</i>	54.95	
26 27 16 00-0367 EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,128.62	184.58
<i>For Mounting Pan, Add</i>	102.39	
26 27 16 00-0368 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,124.24	207.66
<i>For Mounting Pan, Add</i>	141.19	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0370 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	1,901.24 71.79	207.66
26 27 16 00-0371 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,446.92 141.19	213.43
26 27 16 00-0372 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,510.20 108.00	230.73
26 27 16 00-0373 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,572.88 126.36	230.73
26 27 16 00-0374 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,617.48 165.78	288.41
26 27 16 00-0375 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,403.79 103.51	259.57
26 27 16 00-0376 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,531.67 154.88	288.41
26 27 16 00-0377 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,494.80 208.37	519.15
26 27 16 00-0378 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,327.50 202.88	346.09
26 27 16 00-0379 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,744.88 186.26	576.83
26 27 16 00-0380 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,824.09 302.80	576.83
26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0382 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,924.72 108.00	259.57
26 27 16 00-0383 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,944.20 126.36	259.57
26 27 16 00-0384 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,315.18 165.78	259.57
26 27 16 00-0385 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,673.83 103.51	288.41
26 27 16 00-0386 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,394.31 154.88	519.15
26 27 16 00-0387 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,565.67 208.37	634.52
26 27 16 00-0388 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,179.06 313.37	749.88
26 27 16 00-0389 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,946.07 202.88	634.52
26 27 16 00-0390 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,098.74 186.26	634.52
26 27 16 00-0391 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,950.39 279.20	692.20
26 27 16 00-0392 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,426.35 302.80	634.52
26 27 16 00-0393 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,836.48 442.78	692.20
26 27 16 00-0394 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,771.67 590.29	692.20
26 27 16 00-0395 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	15,089.41 737.75	922.93
26 27 16 00-0396 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,509.83 685.98	749.88
26 27 16 00-0397 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	20,743.03 939.10	1,153.66
26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,571.79 313.37	749.88
26 27 16 00-0400 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,732.63 279.20	692.20
26 27 16 00-0401 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,601.02 442.78	749.88
26 27 16 00-0402 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	13,316.29 737.75	807.56
26 27 16 00-0403 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,832.94 685.98	807.56
26 27 16 00-0404 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	22,542.20 939.10	1,153.66
26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,705.74 208.37	634.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0407 Breaker Enclosures <small>(26 27 16)</small> See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409 EA NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	452.36	123.05
26 27 16 00-0410 EA NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	791.72	123.05
26 27 16 00-0411 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,899.91	169.21
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,558.11	184.58
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,884.84	184.58
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	703.98	169.21
26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	711.59	169.21
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,255.04	169.21
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	4,146.22	215.35
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,065.76	215.35
26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,142.73	338.41
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	2,482.85	338.41
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	7,051.83	430.70
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,846.61	430.70
26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,231.70	646.05
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	3,648.08	646.05
26 27 16 00-0428 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	12,709.54	830.64
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	7,027.66	830.64
26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	2,667.09	646.05
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	4,336.63	646.05
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	8,751.76	830.64
26 27 16 00-0434 Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	24.15	7.69
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	32.02	7.69
26 27 19 Multi-Outlet Assemblies <small>(26 27)</small>		
26 27 19 00-0001 Surface Metal Raceway, Preassembled With Outlets <small>(26 27 19)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002 LF Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center.....	34.64	11.23
<i>For Concrete Or Masonry Surface, Add</i>	1.12	
26 27 19 00-0003 LF Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center.....	26.65	7.99
<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0004 LF Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center.....	25.36	8.46
<i>For Concrete Or Masonry Surface, Add</i>	0.84	
26 27 19 00-0005 LF Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center.....	27.55	7.99
<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0006 LF Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center.....	22.88	8.15
<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0007 LF Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center.....	30.53	7.99
<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0008 LF Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center.....	27.28	7.99
<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0009 LF Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center.....	29.24	7.99
<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 23 Indoor Service Poles <small>(26 27)</small>		
26 27 23 00-0001 Communication And Power Poles <small>(26 27 23)</small> Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	354.05	68.17
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	382.34	68.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	415.05	68.17
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003) Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	72.53	14.06
26 27 23 00-0010 EA Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	63.60	14.06
26 27 23 00-0011 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	71.29	14.06
26 27 23 00-0012 EA Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	54.23	14.06
26 27 23 00-0013 EA Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	45.63	14.06
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	451.05	68.17
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	511.84	68.17
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	544.65	68.17
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	50.43	14.06
26 27 23 00-0021 EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	45.89	14.06
26 27 23 00-0022 EA Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	49.14	14.06
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	579.87	68.17
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	653.05	68.17
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	701.28	68.17
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	50.43	14.06
26 27 23 00-0030 EA Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	45.89	14.06
26 27 23 00-0031 EA Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	49.14	14.06
26 27 23 00-0032 Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	470.09	68.17
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	521.25	68.17
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	578.60	68.17
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	74.27	14.06
26 27 23 00-0040 EA Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	75.72	14.06
26 27 23 00-0041 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	80.52	14.06
26 27 23 00-0042 EA Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	56.93	14.06
26 27 23 00-0043 EA Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	45.63	14.06
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	454.11	68.17
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	506.58	68.17
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	568.40	68.17
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	921.48	68.17
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,050.16	68.17
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,194.29	68.17
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	512.76	68.17
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	486.82	68.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	616.25	68.17
26 27 26 Wiring Devices (26 27)		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002)		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	126.38	54.61
26 27 26 00-0005 EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	135.08	58.45
26 27 26 00-0006 EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	161.65	69.99
26 27 26 00-0007 EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	179.06	77.68
26 27 26 00-0008 EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	140.06	54.61
26 27 26 00-0009 EA 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	149.49	58.45
26 27 26 00-0010 Receptacle Components (26 27 26 00-0002)		
26 27 26 00-0011 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	34.49	15.39
26 27 26 00-0012 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	33.69	15.39
26 27 26 00-0013 EA 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	38.40	15.39
26 27 26 00-0014 EA 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	41.12	15.39
26 27 26 00-0015 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	52.29	19.22
26 27 26 00-0016 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	61.22	19.22
26 27 26 00-0017 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	35.54	15.39
26 27 26 00-0018 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	34.70	15.39
26 27 26 00-0019 EA 20 Amperes, 120/277 Volt, Single Receptacle	46.97	15.39
26 27 26 00-0020 EA 20 Amperes, 120/277 Volt, Duplex Receptacle	40.26	15.39
26 27 26 00-0021 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	52.29	19.22
26 27 26 00-0022 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	61.22	19.22
26 27 26 00-0023 EA 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	89.88	19.22
26 27 26 00-0024 EA 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	89.88	19.22
26 27 26 00-0025 EA 25 Amperes, 120/277 Volt, Duplex Receptacle	79.18	23.07
26 27 26 00-0026 Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027 Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028 EA 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	74.11	26.92
26 27 26 00-0029 EA 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	74.11	26.92
26 27 26 00-0030 EA 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	95.37	26.92
26 27 26 00-0031 EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	105.25	26.92
26 27 26 00-0032 EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	112.95	30.76
26 27 26 00-0033 EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	105.53	30.76
26 27 26 00-0034 EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	103.43	30.76
26 27 26 00-0035 EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	92.63	30.76
26 27 26 00-0036 EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	114.73	30.76
26 27 26 00-0037 EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	124.38	30.76
26 27 26 00-0038 EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	132.07	34.61
26 27 26 00-0039 EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	145.48	38.46
26 27 26 00-0040 EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	160.86	46.15
26 27 26 00-0041 EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,486.02	361.48
26 27 26 00-0042 EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,412.12	442.24
26 27 26 00-0043 EA 30 Amperes, 230 Volt, Dryer Receptacle	87.76	30.76
26 27 26 00-0044 EA 60 Amperes, 230 Volt, Range Receptacle	129.03	46.15
26 27 26 00-0045 EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	77.50	19.22
26 27 26 00-0046 EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,604.78	468.46
26 27 26 00-0047 Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048 EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	100.24	15.39
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	67.33	19.22
26 27 26 00-0050 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	67.12	19.22
26 27 26 00-0051 EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	95.36	30.76
26 27 26 00-0052 EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	74.21	19.22
26 27 26 00-0053 EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	68.86	19.22
26 27 26 00-0054 EA Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	93.29	23.07
26 27 26 00-0055 EA Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	76.62	23.07
26 27 26 00-0056 EA Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	95.27	23.07
26 27 26 00-0057 EA Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	113.44	23.07
26 27 26 00-0058 EA Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	116.00	30.76
26 27 26 00-0059 Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060 EA 1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	966.80	38.46
26 27 26 00-0061 EA 3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	893.09	42.30
26 27 26 00-0062 EA 3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,487.03	76.91

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0063 EA 3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,866.47	76.91
26 27 26 00-0064 EA 1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,367.83	115.36
26 27 26 00-0065 EA 1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,257.97	115.36
26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)		
26 27 26 00-0067 EA 15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	43.53	19.22
26 27 26 00-0068 EA 20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	64.50	23.07
26 27 26 00-0069 Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)		
26 27 26 00-0070 EA 15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	73.37	19.22
26 27 26 00-0071 EA 20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	80.00	19.22
26 27 26 00-0072 Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0073 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	64.55	19.22
26 27 26 00-0074 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	78.09	19.22
26 27 26 00-0075 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	72.08	23.07
26 27 26 00-0076 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	71.48	23.07
26 27 26 00-0077 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	83.39	23.07
26 27 26 00-0078 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	98.79	23.07
26 27 26 00-0079 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	97.09	23.07
26 27 26 00-0080 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	85.83	23.07
26 27 26 00-0081 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	99.18	30.76
26 27 26 00-0082 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	100.61	30.76
26 27 26 00-0083 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	123.36	30.76
26 27 26 00-0084 Hospital Grade Receptacle (26 27 26 00-0026)		
26 27 26 00-0085 EA 15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	63.71	15.39
26 27 26 00-0086 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	68.85	15.39
26 27 26 00-0087 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	78.58	15.39
26 27 26 00-0088 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	69.58	15.39
26 27 26 00-0089 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	79.65	15.39
26 27 26 00-0090 EA 20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	87.45	15.39
26 27 26 00-0091 EA 120 Volt, Transient Voltage, Surge Suppressor Receptacle.....	178.39	46.15
Note: Hospital grade receptacle.		
26 27 26 00-0092 Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)		
26 27 26 00-0093 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	305.45	76.91
26 27 26 00-0094 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	304.82	76.91
26 27 26 00-0095 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	316.64	76.91
26 27 26 00-0096 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	382.19	84.60
26 27 26 00-0097 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	383.17	84.60
26 27 26 00-0098 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	380.90	84.60
26 27 26 00-0099 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	453.48	94.60
26 27 26 00-0100 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	434.24	94.60
26 27 26 00-0101 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	464.35	94.60
26 27 26 00-0102 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	472.75	103.83
26 27 26 00-0103 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	472.37	103.83
26 27 26 00-0104 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	475.10	103.83
26 27 26 00-0105 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	654.76	123.05
26 27 26 00-0106 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	631.47	123.05
26 27 26 00-0107 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	646.63	123.05
26 27 26 00-0108 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	720.03	136.90
26 27 26 00-0109 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	720.48	136.90
26 27 26 00-0110 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	720.93	136.90
26 27 26 00-0111 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	802.08	153.82
26 27 26 00-0112 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	831.94	153.82
26 27 26 00-0113 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	896.70	169.21
26 27 26 00-0114 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	894.46	169.21
26 27 26 00-0115 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	898.68	169.21
26 27 26 00-0116 Corrosion Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0117 EA 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	78.45	15.39
26 27 26 00-0118 EA 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	151.16	19.22
26 27 26 00-0119 Tamper Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0120 EA 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	36.57	15.39
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0121 EA 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	39.56	15.39
Note: Pass & Seymour TR20.		
26 27 26 00-0122 EA 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	48.15	15.39
Note: Pass & Seymour TR5251.		
26 27 26 00-0123 EA 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	52.18	15.39
Note: Pass & Seymour TR5351.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0124 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	76.37	15.39
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0125 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	82.13	15.39
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0126 EA 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	87.64	15.39
Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0127 USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)		
26 27 26 00-0128 EA 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	78.47	15.39
26 27 26 00-0129 EA 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	84.44	15.39
26 27 26 00-0130 Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0131 EA TV Receptacle With Cover (Type F), Complete.....	91.39	35.68
26 27 26 00-0132 Switches (26 27 26)		
26 27 26 00-0133 Switches (26 27 26 00-0132)		
26 27 26 00-0134 Switch Assemblies (26 27 26 00-0133)		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135 EA 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	129.25	53.83
26 27 26 00-0136 EA 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	138.97	58.45
26 27 26 00-0137 EA 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	171.22	70.37
26 27 26 00-0138 EA 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	187.59	78.07
26 27 26 00-0139 EA 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	294.71	120.75
26 27 26 00-0140 EA 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	319.26	132.29
26 27 26 00-0141 EA 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	336.52	136.52
26 27 26 00-0142 EA 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	369.26	151.89
26 27 26 00-0143 Switch Components (26 27 26 00-0133)		
26 27 26 00-0144 EA 15 Amperes, 120/277 Volt, SPST Switch	38.09	15.39
26 27 26 00-0145 EA 15 Amperes, 120/277 Volt, 3-Way Switch	48.10	19.22
26 27 26 00-0146 EA 15 Amperes, 120/277 Volt, 4-Way Switch	89.49	30.76
26 27 26 00-0147 EA 15 Amperes, 120/277 Volt, DPST Switch	42.36	15.39
26 27 26 00-0148 EA 15 Amperes, 120/277 Volt, Thermal Switch.....	74.91	19.22
26 27 26 00-0149 EA 20 Amperes, 120/277 Volt, SPST Switch	46.29	19.22
26 27 26 00-0150 EA 20 Amperes, 120/277 Volt, 3-Way Switch	56.85	23.07
26 27 26 00-0151 EA 20 Amperes, 120/277 Volt, 4-Way Switch	114.86	30.76
26 27 26 00-0152 EA 20 Amperes, 120/277 Volt, DPST Switch	53.13	19.22
26 27 26 00-0153 EA 20 Amperes, 120/277 Volt, DPDT Switch	56.15	19.22
26 27 26 00-0154 EA 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	90.62	19.25
26 27 26 00-0155 EA 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	113.39	19.25
26 27 26 00-0156 EA Momentary Contact Switch With Separate Neon Pilot.....	87.95	23.10
Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0157 EA 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	69.02	26.92
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0158 EA 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	83.66	30.76
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0159 EA 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	114.92	30.76
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0160 EA 30 Amperes, 120/277 Volt, Single Pole, Local Switch	92.96	30.80
26 27 26 00-0161 EA 30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	113.43	30.80
26 27 26 00-0162 EA 30 Amperes, 120/277 Volt, Three-Way Local Switch.....	119.65	38.51
26 27 26 00-0163 EA 30 Amperes, 120/277 Volt, Four-Way Local Switch.....	165.19	42.36
26 27 26 00-0164 EA 15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	84.01	25.19
26 27 26 00-0165 EA 15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot.....	115.21	25.19
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0166 EA 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	101.76	25.19
26 27 26 00-0167 EA 15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	97.13	25.19
26 27 26 00-0168 EA 6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	102.48	12.48
26 27 26 00-0169 EA 6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	108.76	12.48
26 27 26 00-0170 EA 15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	119.43	48.06
26 27 26 00-0171 EA Three Position, Center Off, Key Operated, Momentary Contact Switch	142.20	48.06
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0172 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ)	165.14	15.41
26 27 26 00-0173 EA 8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	91.46	15.41
26 27 26 00-0174 EA 120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	275.62	15.39
26 27 26 00-0175 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	59.22	15.39
26 27 26 00-0176 EA 1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	97.08	15.41
26 27 26 00-0177 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	110.50	15.41
26 27 26 00-0178 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	139.80	15.41
26 27 26 00-0179 EA Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	169.90	15.41
26 27 26 00-0180 Specialty Switches (26 27 26 00-0132)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0181 Dimmers With SPST Switch (26 27 26 00-0180)		
26 27 26 00-0182 EA 600 Watt Dimmers With SPST Switch	85.06	34.61
26 27 26 00-0183 EA 1,000 Watt Dimmers With SPST Switch	134.53	34.61
26 27 26 00-0184 EA 1,500 Watt Dimmers With SPST Switch	239.16	55.69
26 27 26 00-0185 EA 2,000 Watt Dimmers With SPST Switch	302.28	55.69
26 27 26 00-0186 EA 600 Watt Fluorescent Dimmer Switch	173.05	41.07
26 27 26 00-0187 EA 1,000 Watt Fluorescent Dimmer Switch	227.36	41.07
26 27 26 00-0188 EA 1,500 Watt Fluorescent Dimmer Switch	405.68	61.99
26 27 26 00-0189 EA Remote Speed Switch For Paddle Fan	137.40	51.22
26 27 26 00-0190 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	222.81	76.45
26 27 26 00-0191 Time Switches (26 27 26 00-0180)		
26 27 26 00-0192 EA 40 Amperes, 125 Volt, SPST, Standard Time Switch	149.43	46.15
26 27 26 00-0193 EA 40 Amperes, 277 Volt, SPST, Standard Time Switch	152.29	46.15
26 27 26 00-0194 EA 40 Amperes, 125 Volt, DPST, Standard Time Switch	149.43	46.15
26 27 26 00-0195 EA 40 Amperes, 277 Volt, DPST, Standard Time Switch	152.29	46.15
26 27 26 00-0196 EA 40 Amperes, 125 Volt, SPST, 7-Day Time Switch	168.47	46.15
26 27 26 00-0197 EA 40 Amperes, 277 Volt, SPST, 7-Day Time Switch	168.47	46.15
26 27 26 00-0198 EA 40 Amperes, 125 Volt, DPST, 7-Day Time Switch	280.85	46.15
26 27 26 00-0199 EA 40 Amperes, 277 Volt, DPST, 7-Day Time Switch	280.85	46.15
26 27 26 00-0200 EA 20 Amperes, 125 Volt, SPST, Programmable Time Switch	244.79	46.15
26 27 26 00-0201 EA 20 Amperes, 277 Volt, SPST, Programmable Time Switch	266.81	46.15
26 27 26 00-0202 EA 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	266.81	46.15
26 27 26 00-0203 EA 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	318.84	46.15
26 27 26 00-0204 EA 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	327.60	46.15
26 27 26 00-0205 EA 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	149.43	46.15
26 27 26 00-0206 EA 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	152.29	46.15
26 27 26 00-0207 EA 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	149.43	46.15
26 27 26 00-0208 EA 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	152.29	46.15
26 27 26 00-0209 EA 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	168.47	46.15
26 27 26 00-0210 EA 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	168.47	46.15
26 27 26 00-0211 EA 40 Amperes, 125 Volt, DPST, Weatherproof 7-Day Time Switch	280.85	46.15
26 27 26 00-0212 EA 40 Amperes, 277 Volt, DPST, Weatherproof 7-Day Time Switch	280.85	46.15
26 27 26 00-0213 EA 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	318.84	46.15
26 27 26 00-0214 EA 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	327.60	46.15
26 27 26 00-0215 Low Voltage Switching (26 27 26 00-0180)		
26 27 26 00-0216 EA 36 Pin Male Or Female Connector	215.49	15.39
26 27 26 00-0217 Other Switches (26 27 26 00-0180)		
26 27 26 00-0218 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	49.68	23.07
26 27 26 00-0219 EA SPST Locking Switch For Concealed Devices	147.58	61.53
26 27 26 00-0220 EA 3-Way Locking Switch For Concealed Devices	149.14	61.53
26 27 26 00-0221 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	158.61	57.53
26 27 26 00-0222 EA 15 Amperes Momentary Contact Switch	152.37	57.53
26 27 26 00-0223 EA 20 Amperes Momentary Contact Switch	158.94	57.53
26 27 26 00-0224 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	156.93	69.31
26 27 26 00-0225 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	158.76	69.31
26 27 26 00-0226 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	195.06	84.71
26 27 26 00-0227 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	177.36	77.01
26 27 26 00-0228 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	177.82	77.01
26 27 26 00-0229 Plates And Covers (26 27 26)		
26 27 26 00-0230 Wall Plates (26 27 26 00-0229)		
26 27 26 00-0231 Nylon Wall Plates (26 27 26 00-0230)		
26 27 26 00-0232 EA 1 Gang Nylon Switch Wall Plates	2.28	0.77
26 27 26 00-0233 EA 2 Gang Nylon Switch Wall Plates	3.80	1.15
26 27 26 00-0234 EA 3 Gang Nylon Switch Wall Plates	5.37	1.54
26 27 26 00-0235 EA 4 Gang Nylon Switch Wall Plate	7.64	1.93
26 27 26 00-0236 EA 1 Gang Duplex Nylon Wall Plate	2.30	0.77
26 27 26 00-0237 EA 2 Gang Duplex Nylon Wall Plate	3.89	1.15
26 27 26 00-0238 Plastic Wall Plates (26 27 26 00-0230)		
26 27 26 00-0239 EA 1 Gang Plastic Switch Wall Plates	2.13	0.77
26 27 26 00-0240 EA 2 Gang Plastic Switch Wall Plates	3.51	1.15
26 27 26 00-0241 EA 3 Gang Plastic Switch Wall Plates	4.90	1.54
26 27 26 00-0242 EA 4 Gang Plastic Switch Wall Plates	7.64	1.93
26 27 26 00-0243 EA 1 Gang Duplex Plastic Wall Plate	2.13	0.77
26 27 26 00-0244 EA 2 Gang Duplex Plastic Wall Plate	3.52	1.15
26 27 26 00-0245 Brass Wall Plates (26 27 26 00-0230)		
26 27 26 00-0246 EA 1 Gang, 0.04" Brass Switch Wall Plates	20.98	3.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0247 EA 2 Gang, 0.04" Brass Switch Wall Plates	38.48	4.00
26 27 26 00-0248 EA 3 Gang, 0.04" Brass Switch Wall Plates	55.86	4.46
26 27 26 00-0249 EA 4 Gang, 0.04" Brass Switch Wall Plates	86.21	4.85
26 27 26 00-0250 EA 5 Gang, 0.04" Brass Switch Wall Plates	104.76	5.16
26 27 26 00-0251 EA 6 Gang, 0.04" Brass Switch Wall Plates	121.06	5.39
26 27 26 00-0252 EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	20.98	3.46
26 27 26 00-0253 EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	44.88	4.00
26 27 26 00-0254 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate	64.29	4.46
26 27 26 00-0255 Stainless Steel Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0256 EA 1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	11.74	3.46
26 27 26 00-0257 EA 2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	18.31	4.00
26 27 26 00-0258 EA 3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	25.23	4.46
26 27 26 00-0259 EA 4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	36.45	4.85
26 27 26 00-0260 EA 5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	42.75	5.16
26 27 26 00-0261 EA 6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	51.42	5.39
26 27 26 00-0262 EA 1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	12.76	3.46
26 27 26 00-0263 EA 2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	20.70	4.00
26 27 26 00-0264 EA 3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	33.15	4.46
26 27 26 00-0265 EA 4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	39.88	4.85
26 27 26 00-0266 Chrome Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0267 EA 1 Gang, 0.040" Chrome Switch Wall Plate	40.85	3.46
26 27 26 00-0268 EA 2 Gang 0.040" Chrome Switch Wall Plate	75.72	4.00
26 27 26 00-0269 EA 3 Gang 0.040" Chrome Switch Wall Plate	110.55	4.46
26 27 26 00-0270 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	40.82	3.46
26 27 26 00-0271 Weatherproof Covers <small>(26 27 26 00-0229)</small>		
26 27 26 00-0272 Stamped Metallic Weatherproof Covers <small>(26 27 26 00-0271)</small>		
<small>Note: Includes electrostatically applied powder coating and neoprene gasket.</small>		
26 27 26 00-0273 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	11.71	0.77
26 27 26 00-0274 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	12.66	0.77
26 27 26 00-0275 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	12.66	0.77
26 27 26 00-0276 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	12.66	0.77
26 27 26 00-0277 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	15.64	1.15
26 27 26 00-0278 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	17.67	1.15
26 27 26 00-0279 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	17.87	1.15
26 27 26 00-0280 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	17.87	1.15
26 27 26 00-0281 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	24.07	1.15
26 27 26 00-0282 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	23.05	1.54
26 27 26 00-0283 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	25.12	1.54
26 27 26 00-0284 Cast Metallic Weatherproof Covers <small>(26 27 26 00-0271)</small>		
<small>Note: Includes electrostatically applied powder coating and neoprene gasket.</small>		
26 27 26 00-0285 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	14.25	0.77
26 27 26 00-0286 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	44.58	0.77
26 27 26 00-0287 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	49.94	0.77
26 27 26 00-0288 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	14.14	0.77
26 27 26 00-0289 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	37.85	0.77
26 27 26 00-0290 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	62.69	0.77
26 27 26 00-0291 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	79.70	0.77
26 27 26 00-0292 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	17.87	1.15
26 27 26 00-0293 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	125.86	1.15
26 27 26 00-0294 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	29.70	1.54
26 27 26 00-0295 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	120.47	1.54
26 27 26 00-0296 Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0271)</small>		
<small>Note: Includes electrostatically applied powder coating and neoprene gasket.</small>		
26 27 26 00-0297 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.85	0.77
26 27 26 00-0298 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.43	0.77
26 27 26 00-0299 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	10.01	1.15
26 27 26 00-0300 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.83	1.15
26 27 26 00-0301 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.83	1.15
26 27 26 00-0302 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	12.02	1.15
26 27 26 00-0303 Heavy Duty Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0271)</small>		
<small>Note: Includes baked on lacquer finish and neoprene gasket.</small>		
26 27 26 00-0304 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	57.21	0.77

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 27 26 00-0305		Polycarbonate Weatherproof Covers (26 27 26 00-0271) Note: Includes neoprene gasket.			
26 27 26 00-0306	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	11.75		0.77
26 27 26 00-0307	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	11.75		0.77
26 27 26 00-0308	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	11.75		0.77
26 27 26 00-0309	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	14.60		1.15
26 27 26 00-0310	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	14.60		1.15
26 27 26 00-0311		High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0271) Note: Includes neoprene gasket.			
26 27 26 00-0312	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	91.79		0.77
26 27 26 00-0313		Non-Metallic (PVC) Weatherproof Covers (26 27 26 00-0271) Note: Includes neoprene gasket.			
26 27 26 00-0314	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	13.26		0.77
26 27 26 00-0315	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover.....	14.37		1.15
26 27 26 00-0316	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	13.30		0.77
26 27 26 00-0317	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	28.93		0.77
26 27 26 00-0318	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	33.48		0.77
26 27 26 00-0319	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	27.20		0.77
26 27 26 00-0320	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	20.35		0.77
26 27 26 00-0321	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	23.76		0.77
26 27 26 00-0322	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	21.28		0.77
26 27 26 00-0323	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover.....	30.65		1.15
26 27 26 00-0324		Removal And Reinstallation Of Wiring Devices (26 27 26) Note: Includes storage and cleaning.			
26 27 26 00-0325	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	101.20		
26 27 26 00-0326	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	12.82		
26 27 26 00-0327		Relay Systems (26 27 26)			
26 27 26 00-0328	EA	10 Amperes, 24 Volt Coil, 2 Position Relay.....	109.38		34.61
26 27 26 00-0329	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay.....	450.12		115.36
26 27 26 00-0330	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay.....	746.79		153.82
26 27 26 00-0331		Limit Switches (26 27 26)			
26 27 26 00-0332		Heavy Duty Precision Oiltight (26 27 26 00-0331)			
26 27 26 00-0333		Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0332)			
26 27 26 00-0334	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated.....	488.19		96.91
26 27 26 00-0335		In Line Midget Fuseholders (26 27 26) See CSI section 26 28 13 00-0078 for fuses.			
26 27 26 00-0336	EA	Single Pole Water Resistant In Line Midget Fuseholder.....	102.60		
26 27 26 00-0337	EA	Double Pole Water Resistant In Line Midget Fuseholder.....	222.81		
26 27 33		Power Distribution Units (26 27) Note: Includes wiring connections and testing.			
26 27 33 00-0001		Liebert Precision Power Center (26 27 33) Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.			
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C).....	21,359.51		473.01
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C).....	25,770.93		512.68
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C).....	29,364.87		569.14
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C).....	33,773.38		615.28
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C).....	36,886.43		769.11
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C).....	41,402.20		922.93
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C).....	47,774.48		1,076.75
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C).....	50,268.70		1,230.58
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C).....	53,134.22		1,384.39
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA.....	1,933.14		153.82
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA.....	2,876.42		192.28
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA.....	6,418.84		230.73
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit.....	2,461.14		
26 27 33 00-0015	EA	Note: Includes disconnection / reconnection of branch circuits, storage and cleaning. Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only.....	1,845.86		
26 27 73		Door Chimes (26 27)			
26 27 73 00-0001		Door Bell Chime And Door Button With Built-In Viewer (26 27 73) Note: Non-electric chime, mounted on door			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 73 00-0002 EA Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	87.49	19.06
26 27 73 00-0003 Wireless Door Bell System <small>(26 27 73)</small>		
26 27 73 00-0004 EA Wireless Doorbell Chime And Push Button (Broan LA542WH) Note: Includes 2 push buttons	156.75	
26 27 73 00-0005 EA Wireless Doorbell Chime And Push Button (STI-3350G) Note: Includes 2 push buttons	148.51	
26 27 73 00-0006 EA Wireless Doorbell Chime And Push Button (GE 19300) Note: Includes 2 push buttons	114.82	
26 27 73 00-0007 Door Chimes <small>(26 27 73)</small>		
26 27 73 00-0008 EA Door Bell, Push-Button And Transformer, Complete	795.28	320.41
26 27 73 00-0009 EA Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	298.75	76.91
26 27 73 00-0010 EA Removal And Replacement Of Bell/Buzzer, Complete Note: Includes removal of existing.	124.52	38.46
26 28 Low-Voltage Circuit Protective Devices <small>(26 20)</small>		
26 28 13 Fuses <small>(26 28)</small>		
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses <small>(26 28 13)</small>		
26 28 13 00-0002 EA 1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.58 7.38	11.08
26 28 13 00-0003 EA 2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.95 7.38	11.08
26 28 13 00-0004 EA 3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.09 7.38	11.08
26 28 13 00-0005 EA 5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.96 7.38	11.08
26 28 13 00-0006 EA 6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.77 7.38	11.08
26 28 13 00-0007 EA 8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.19 7.38	11.08
26 28 13 00-0008 EA 10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.82 7.38	11.08
26 28 13 00-0009 EA 15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.75 7.38	11.08
26 28 13 00-0010 EA 20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.28 7.38	11.08
26 28 13 00-0011 EA 25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.17 7.38	11.08
26 28 13 00-0012 EA 30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.55 7.38	11.08
26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small>		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0015 EA 1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.71 7.38	11.08
26 28 13 00-0016 EA 2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.92 7.38	11.08
26 28 13 00-0017 EA 3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.86 7.38	11.08
26 28 13 00-0018 EA 4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.61 7.38	11.08
26 28 13 00-0019 EA 5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.67 7.38	11.08
26 28 13 00-0020 EA 10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.51 7.38	11.08
26 28 13 00-0021 EA 15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.43 7.38	11.08
26 28 13 00-0022 EA 20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.20 7.38	11.08
26 28 13 00-0023 EA 25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.45 7.38	11.08
26 28 13 00-0024 EA 30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13 7.38	11.08
26 28 13 00-0025 EA 35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.23 7.38	11.08
26 28 13 00-0026 EA 40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.30 7.38	11.08
26 28 13 00-0027 EA 45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.00 7.38	11.08
26 28 13 00-0028 EA 50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.43 7.38	11.08
26 28 13 00-0029 EA 60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.59 7.38	11.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0070 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	280.76	18.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.46	
26 28 13 00-0071 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	526.03	18.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.46	
26 28 13 00-0072 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	531.47	22.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.23	
26 28 13 00-0073 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	597.72	22.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.23	
26 28 13 00-0074 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	542.73	22.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.23	
26 28 13 00-0075 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	964.87	22.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.23	
26 28 13 00-0076 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	863.57	27.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 13 00-0077 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	755.14	27.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses (26 28 13)		
Note: 250/300 Volt DC.		
26 28 13 00-0079 EA 1 Amperes, 600 Volt AC, Class CC Midget Fuse.....	54.03	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0080 EA 2 Amperes, 600 Volt AC, Class CC Midget Fuse.....	54.77	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0081 EA 3 Amperes, 600 Volt AC, Class CC Midget Fuse.....	54.56	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0082 EA 5 Amperes, 600 Volt AC, Class CC Midget Fuse.....	54.33	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0083 EA 6 Amperes, 600 Volt AC, Class CC Midget Fuse.....	57.81	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0084 EA 8 Amperes, 600 Volt AC, Class CC Midget Fuse.....	52.24	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0085 EA 10 Amperes, 600 Volt AC, Class CC Midget Fuse.....	58.78	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0086 EA 15 Amperes, 600 Volt AC, Class CC Midget Fuse.....	54.35	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0087 EA 20 Amperes, 600 Volt AC, Class CC Midget Fuse.....	53.44	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0088 EA 25 Amperes, 600 Volt AC, Class CC Midget Fuse.....	51.35	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0089 EA 30 Amperes, 600 Volt AC, Class CC Midget Fuse.....	53.13	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse (26 28 13)		
26 28 13 00-0091 EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	65.86	7.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 28 13 00-0092 EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	66.35	7.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 28 13 00-0093 EA 6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	58.43	9.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 28 13 00-0094 EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	59.16	11.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 28 13 00-0095 EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	60.32	11.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 28 13 00-0096 EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	59.29	11.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 28 13 00-0097 EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	75.83	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 28 13 00-0098 EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	64.25	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 28 13 00-0099 EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	107.47	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 28 13 00-0100 EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	92.58	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 28 13 00-0101 EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	105.19	15.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 28 13 00-0102 EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	95.77	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 28 13 00-0103 EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	94.16	19.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 28 13 00-0104 EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	143.32	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.85	
26 28 13 00-0105 EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	152.16	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.85	
26 28 13 00-0106 EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	149.90	23.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.85	
26 28 13 00-0107 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	134.16	26.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.15	
26 28 13 00-0108 EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	298.99	26.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.15	
26 28 13 00-0109 EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	255.80	26.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.15	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.05 18.46	30.76
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.49 18.46	30.76
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.31 18.46	30.76
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	509.81 18.46	30.76
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	472.31 18.46	30.76
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	436.22 18.46	30.76
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	474.63 18.46	30.76
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.68 20.77	34.61
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	824.21 20.77	34.61
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	703.36 23.07	38.46
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	527.31 23.07	38.46
26 28 13 00-0121		600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <small>(26 28 13)</small>		
26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,557.29 11.54	19.22
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,560.35 11.54	19.22
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,563.20 11.54	19.22
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,559.94 13.85	23.07
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,437.50 13.85	23.07
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,539.15 16.15	26.92
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,417.60 16.15	26.92
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,584.05 16.15	26.92
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,553.39 16.15	26.92
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,384.78 18.46	30.76
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,421.67 18.46	30.76
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,885.36 18.46	30.76
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,378.09 18.46	30.76
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,110.21 20.77	34.61
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,222.38 20.77	34.61
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,777.50 20.77	34.61
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,202.09 20.77	34.61
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,237.38 20.77	34.61
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,730.69 20.77	34.61
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,692.56 20.77	34.61
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,430.91 20.77	34.61
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,526.77 23.07	38.46
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,215.21 23.07	38.46
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,064.96 23.07	38.46
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,785.04 23.07	38.46
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,731.47 23.07	38.46
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,104.45 25.38	42.30
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,398.24 25.38	42.30
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,420.90 25.38	42.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0151	EA		4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,299.65 25.38	42.30
26 28 13 00-0152	EA		5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,773.74 25.38	42.30
26 28 13 00-0153	EA		6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,199.87 25.38	42.30
26 28 16 Enclosed Switches and Circuit Breakers (26 28)					
26 28 16 13 Enclosed Circuit Breakers (26 28 16)					
26 28 16 13-0001			Branch Circuit Breakers (26 28 16 13) Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 28 16 13-0002			Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001) Note: Includes connection of electrical wire.		
26 28 16 13-0003	EA		1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.69 19.73 -15.38 18.46	27.69
26 28 16 13-0004	EA		1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.69 19.73 -15.38 18.46	27.69
26 28 16 13-0005	EA		1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.36 26.00 -19.23 23.07	34.61
26 28 16 13-0006	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.67 31.04 -19.23 23.07	34.61
26 28 16 13-0007	EA		1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.77 36.81 -19.23 23.07	34.61
26 28 16 13-0008	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.05 40.09 -19.23 23.07	34.61
26 28 16 13-0009	EA		1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.27 27.87 -19.23 23.07	34.61
26 28 16 13-0010	EA		2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.74 30.62 -23.07 27.69	41.53
26 28 16 13-0011	EA		2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.74 30.62 -23.07 27.69	41.53
26 28 16 13-0012	EA		2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.95 42.78 -30.76 36.92	55.38
26 28 16 13-0013	EA		2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	267.17 60.31 -38.46 46.15	69.22
26 28 16 13-0014	EA		2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	311.47 68.55 -42.30 50.76	76.91
26 28 16 13-0015	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.75 51.23 -27.69 33.23	49.23

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0016 EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	330.15	49.23
For Bolt-On, Add	60.65	
For Installation In New Panelboard, Deduct	-27.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.23	
26 28 16 13-0017 EA 3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	205.12	55.38
For Bolt-On, Add	47.17	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0018 EA 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	205.12	55.38
For Bolt-On, Add	47.17	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0019 EA 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	266.73	69.22
For Bolt-On, Add	60.26	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0020 EA 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	389.70	83.06
For Bolt-On, Add	81.01	
For Installation In New Panelboard, Deduct	-46.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.37	
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	491.42	96.91
For Bolt-On, Add	99.11	
For Installation In New Panelboard, Deduct	-53.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
^{16 13-0001} Note: Includes connection of electrical wire.		
26 28 16 13-0023 EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	95.58	27.69
For Bolt-On, Add	22.72	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0024 EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	95.58	27.69
For Bolt-On, Add	22.72	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0025 EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	161.42	34.61
For Bolt-On, Add	33.64	
For Installation In New Panelboard, Deduct	-19.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 28 16 13-0026 EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	238.92	34.61
For Bolt-On, Add	43.32	
For Installation In New Panelboard, Deduct	-19.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 28 16 13-0027 EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	178.62	41.53
For Bolt-On, Add	38.48	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0028 EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	178.62	41.53
For Bolt-On, Add	38.48	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0029 EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	335.16	55.38
For Bolt-On, Add	63.43	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0030 EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	452.71	69.22
For Bolt-On, Add	83.51	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0031 EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	649.17	76.91
For Bolt-On, Add	110.76	
For Installation In New Panelboard, Deduct	-42.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.76	
26 28 16 13-0032 EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	278.08	55.38
For Bolt-On, Add	56.29	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0033 EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	278.08	55.38
For Bolt-On, Add	56.29	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0034 EA 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	407.34	69.22
For Bolt-On, Add	77.84	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0035 EA 3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	569.82	83.06
For Bolt-On, Add	103.53	
For Installation In New Panelboard, Deduct	-46.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.37	
26 28 16 13-0036 EA 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	862.40	96.91
For Bolt-On, Add	145.49	
For Installation In New Panelboard, Deduct	-53.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 28 16 13-0037 EA 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	990.18	103.83
For Bolt-On, Add	164.15	
For Installation In New Panelboard, Deduct	-57.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.22	
26 28 16 13-0038 EA 3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,063.28	110.75
For Bolt-On, Add	175.98	
For Installation In New Panelboard, Deduct	-61.53	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.84	
26 28 16 13-0039 EA 3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,249.79	117.68
For Bolt-On, Add	201.99	
For Installation In New Panelboard, Deduct	-65.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.45	
26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0041 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	111.27	27.69
For Bolt-On, Add	24.68	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0042 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	111.27	27.69
For Bolt-On, Add	24.68	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0043 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	176.92	34.61
For Bolt-On, Add	35.57	
For Installation In New Panelboard, Deduct	-19.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 28 16 13-0044 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	219.53	41.53
For Bolt-On, Add	43.59	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0045 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	219.53	41.53
For Bolt-On, Add	43.59	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0046 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	374.39	55.38
For Bolt-On, Add	68.33	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0047 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	915.17	69.22
For Bolt-On, Add	141.31	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0048 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	345.59	55.38
For Bolt-On, Add	64.73	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0049 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	345.59	55.38
For Bolt-On, Add	64.73	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0050 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	456.48	69.22
For Bolt-On, Add	83.98	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0051 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,131.30	83.06
For Bolt-On, Add	173.71	
For Installation In New Panelboard, Deduct	-46.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.37	
26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
^{16 13-0001} Note: Includes connection of electrical wire.		
26 28 16 13-0053 EA 15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	124.60	27.69
For Bolt-On, Add	26.34	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0054 EA 35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	124.60	27.69
For Bolt-On, Add	26.34	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0055 EA 70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	148.08	34.61
For Bolt-On, Add	31.97	
For Installation In New Panelboard, Deduct	-19.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 28 16 13-0056 EA 15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	237.14	34.61
For Bolt-On, Add	43.10	
For Installation In New Panelboard, Deduct	-19.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 28 16 13-0057 EA 15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	254.30	41.53
For Bolt-On, Add	47.94	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0058 EA 35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	254.30	41.53
For Bolt-On, Add	47.94	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0059 EA 70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	311.39	55.38
For Bolt-On, Add	60.46	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0060 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	442.55	69.22
For Bolt-On, Add	82.24	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0061 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	564.41	76.91
For Bolt-On, Add	100.16	
For Installation In New Panelboard, Deduct	-42.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.76	
26 28 16 13-0062 EA 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	701.64	89.99
For Bolt-On, Add	122.70	
For Installation In New Panelboard, Deduct	-49.99	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.99	
26 28 16 13-0063 EA 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	761.04	103.83
For Bolt-On, Add	135.51	
For Installation In New Panelboard, Deduct	-57.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.22	
26 28 16 13-0064 EA 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	311.97	55.38
For Bolt-On, Add	60.53	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0065 EA 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	311.97	55.38
For Bolt-On, Add	60.53	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0066 EA 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	368.49	69.22
For Bolt-On, Add	72.98	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0067	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	546.80	83.06
			<i>For Bolt-On, Add</i>	100.65	
			<i>For Installation In New Panelboard, Deduct</i>	-46.15	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.37	
26 28 16 13-0068	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	716.65	107.68
			<i>For Bolt-On, Add</i>	131.31	
			<i>For Installation In New Panelboard, Deduct</i>	-59.61	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.53	
26 28 16 13-0069	EA		250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	880.67	124.60
			<i>For Bolt-On, Add</i>	158.54	
			<i>For Installation In New Panelboard, Deduct</i>	-69.22	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.06	
26 28 16 13-0070	EA		300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	935.98	132.29
			<i>For Bolt-On, Add</i>	168.14	
			<i>For Installation In New Panelboard, Deduct</i>	-73.07	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.68	
26 28 16 13-0071			Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
			Note: Includes connection of electrical wire.		
26 28 16 13-0072	EA		15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	262.99	41.53
			<i>For Bolt-On, Add</i>	49.02	
			<i>For Installation In New Panelboard, Deduct</i>	-23.07	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69	
26 28 16 13-0073	EA		35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	262.99	41.53
			<i>For Bolt-On, Add</i>	49.02	
			<i>For Installation In New Panelboard, Deduct</i>	-23.07	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69	
26 28 16 13-0074	EA		70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	395.37	55.38
			<i>For Bolt-On, Add</i>	70.96	
			<i>For Installation In New Panelboard, Deduct</i>	-30.76	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 28 16 13-0075	EA		110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	630.23	69.22
			<i>For Bolt-On, Add</i>	105.70	
			<i>For Installation In New Panelboard, Deduct</i>	-38.46	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.15	
26 28 16 13-0076	EA		150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	969.39	86.14
			<i>For Bolt-On, Add</i>	154.82	
			<i>For Installation In New Panelboard, Deduct</i>	-48.07	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.68	
26 28 16 13-0077	EA		250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,094.14	89.99
			<i>For Bolt-On, Add</i>	171.76	
			<i>For Installation In New Panelboard, Deduct</i>	-49.99	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.99	
26 28 16 13-0078	EA		300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,198.73	103.83
			<i>For Bolt-On, Add</i>	190.22	
			<i>For Installation In New Panelboard, Deduct</i>	-57.68	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.22	
26 28 16 13-0079	EA		15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	375.45	55.38
			<i>For Bolt-On, Add</i>	68.47	
			<i>For Installation In New Panelboard, Deduct</i>	-30.76	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 28 16 13-0080	EA		35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	375.45	55.38
			<i>For Bolt-On, Add</i>	68.47	
			<i>For Installation In New Panelboard, Deduct</i>	-30.76	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 28 16 13-0081	EA		70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	472.64	69.22
			<i>For Bolt-On, Add</i>	86.00	
			<i>For Installation In New Panelboard, Deduct</i>	-38.46	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.15	
26 28 16 13-0082	EA		110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	782.24	83.06
			<i>For Bolt-On, Add</i>	130.08	
			<i>For Installation In New Panelboard, Deduct</i>	-46.15	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.37	
26 28 16 13-0083	EA		150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,135.10	107.68
			<i>For Bolt-On, Add</i>	183.61	
			<i>For Installation In New Panelboard, Deduct</i>	-59.61	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.53	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0084 EA 250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,339.56	124.60
For Bolt-On, Add	215.90	
For Installation In New Panelboard, Deduct	-69.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.06	
26 28 16 13-0085 EA 300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,447.38	132.29
For Bolt-On, Add	232.07	
For Installation In New Panelboard, Deduct	-73.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.68	
26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
^{16 13-0001} Note: Includes connection of electrical wire.		
26 28 16 13-0087 EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	271.62	41.53
For Bolt-On, Add	50.10	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0088 EA 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	271.62	41.53
For Bolt-On, Add	50.10	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0089 EA 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	475.08	55.38
For Bolt-On, Add	80.92	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0090 EA 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	851.23	69.22
For Bolt-On, Add	133.32	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0091 EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,334.70	86.14
For Bolt-On, Add	200.49	
For Installation In New Panelboard, Deduct	-48.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.68	
26 28 16 13-0092 EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,514.29	89.99
For Bolt-On, Add	224.28	
For Installation In New Panelboard, Deduct	-49.99	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.99	
26 28 16 13-0093 EA 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,652.12	103.83
For Bolt-On, Add	246.89	
For Installation In New Panelboard, Deduct	-57.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.22	
26 28 16 13-0094 EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	435.22	55.38
For Bolt-On, Add	75.94	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	435.22	55.38
For Bolt-On, Add	75.94	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	576.25	69.22
For Bolt-On, Add	98.95	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,034.76	83.06
For Bolt-On, Add	161.65	
For Installation In New Panelboard, Deduct	-46.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.37	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,308.69	107.68
For Bolt-On, Add	205.31	
For Installation In New Panelboard, Deduct	-59.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.53	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,060.93	124.60
For Bolt-On, Add	306.07	
For Installation In New Panelboard, Deduct	-69.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.06	
26 28 16 13-0100 EA 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,194.28	132.29
For Bolt-On, Add	325.43	
For Installation In New Panelboard, Deduct	-73.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.68	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small> <small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0102 EA 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	146.36	27.69
For Bolt-On, Add	29.06	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0103 EA 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	146.36	27.69
For Bolt-On, Add	29.06	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0104 EA 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	245.52	34.61
For Bolt-On, Add	44.15	
For Installation In New Panelboard, Deduct	-19.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 28 16 13-0105 EA 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	306.98	41.53
For Bolt-On, Add	54.52	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0106 EA 2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	306.98	41.53
For Bolt-On, Add	54.52	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0107 EA 2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	548.23	55.38
For Bolt-On, Add	90.06	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0108 EA 2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	997.35	69.22
For Bolt-On, Add	151.59	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0109 EA 2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,911.87	86.14
For Bolt-On, Add	272.63	
For Installation In New Panelboard, Deduct	-48.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.68	
26 28 16 13-0110 EA 3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	499.01	55.38
For Bolt-On, Add	83.91	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0111 EA 3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	499.01	55.38
For Bolt-On, Add	83.91	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0112 EA 3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	664.88	69.22
For Bolt-On, Add	110.03	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0113 EA 3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,227.37	83.06
For Bolt-On, Add	185.72	
For Installation In New Panelboard, Deduct	-46.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.37	
26 28 16 13-0114 EA 3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,376.92	107.68
For Bolt-On, Add	338.84	
For Installation In New Panelboard, Deduct	-59.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.53	
26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small> <small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0116 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	207.65	27.69
For Bolt-On, Add	36.72	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0117 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	207.65	27.69
For Bolt-On, Add	36.72	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0118 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	310.71	34.61
For Bolt-On, Add	52.30	
For Installation In New Panelboard, Deduct	-19.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.07	
26 28 16 13-0119 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	377.90	41.53
For Bolt-On, Add	63.39	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0120 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	377.90	41.53
For Bolt-On, Add	63.39	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0121 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	700.90	55.38
For Bolt-On, Add	109.15	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0122 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,256.39	69.22
For Bolt-On, Add	183.97	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,473.98	76.91
For Bolt-On, Add	338.86	
For Installation In New Panelboard, Deduct	-42.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.76	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	641.13	55.38
For Bolt-On, Add	101.68	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	641.13	55.38
For Bolt-On, Add	101.68	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	884.44	69.22
For Bolt-On, Add	137.47	
For Installation In New Panelboard, Deduct	-38.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.15	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,419.99	83.06
For Bolt-On, Add	209.80	
For Installation In New Panelboard, Deduct	-46.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.37	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	3,127.70	107.68
For Bolt-On, Add	432.69	
For Installation In New Panelboard, Deduct	-59.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.53	
26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
^{16 13-0001}		
Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	101.85	27.69
For Bolt-On, Add	23.50	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	205.92	41.53
For Bolt-On, Add	41.89	
For Installation In New Panelboard, Deduct	-23.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.69	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	320.98	55.38
For Bolt-On, Add	61.66	
For Installation In New Panelboard, Deduct	-30.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.92	
26 28 16 13-0133 EA 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	197.15	27.69
For Bolt-On, Add	35.41	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 28 16 13-0134 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	197.15	27.69
For Bolt-On, Add	35.41	
For Installation In New Panelboard, Deduct	-15.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0135	EA		70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	392.72	55.38
			<i>For Bolt-On, Add</i>	70.62	
			<i>For Installation In New Panelboard, Deduct</i>	-30.76	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 28 16 13-0136	EA		15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	436.31	41.53
			<i>For Bolt-On, Add</i>	70.69	
			<i>For Installation In New Panelboard, Deduct</i>	-23.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69	
26 28 16 13-0137	EA		35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	436.31	41.53
			<i>For Bolt-On, Add</i>	70.69	
			<i>For Installation In New Panelboard, Deduct</i>	-23.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69	
26 28 16 13-0138	EA		70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	832.56	55.38
			<i>For Bolt-On, Add</i>	125.60	
			<i>For Installation In New Panelboard, Deduct</i>	-30.76	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 28 16 13-0139	EA		110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,402.52	69.22
			<i>For Bolt-On, Add</i>	202.23	
			<i>For Installation In New Panelboard, Deduct</i>	-38.46	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.15	
26 28 16 13-0140	EA		150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,059.13	86.14
			<i>For Bolt-On, Add</i>	416.04	
			<i>For Installation In New Panelboard, Deduct</i>	-48.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.68	
26 28 16 13-0141	EA		15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	724.70	55.38
			<i>For Bolt-On, Add</i>	112.12	
			<i>For Installation In New Panelboard, Deduct</i>	-30.76	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 28 16 13-0142	EA		35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	724.70	55.38
			<i>For Bolt-On, Add</i>	112.12	
			<i>For Installation In New Panelboard, Deduct</i>	-30.76	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92	
26 28 16 13-0143	EA		70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,005.76	69.22
			<i>For Bolt-On, Add</i>	152.64	
			<i>For Installation In New Panelboard, Deduct</i>	-38.46	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.15	
26 28 16 13-0144	EA		110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,526.26	83.06
			<i>For Bolt-On, Add</i>	223.08	
			<i>For Installation In New Panelboard, Deduct</i>	-46.15	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.37	
26 28 16 13-0145	EA		150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,803.80	107.68
			<i>For Bolt-On, Add</i>	517.20	
			<i>For Installation In New Panelboard, Deduct</i>	-59.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.53	

26 28 16 16 Enclosed Switches (26 28 16)

26 28 16 16-0001			Motor And Circuit Disconnects (26 28 16 16) <i>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</i>		
26 28 16 16-0002			NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003			Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) <i>Note: Includes fuses and neutral bar.</i>		
26 28 16 16-0004			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	652.92	153.82
26 28 16 16-0006	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,061.29	185.35
26 28 16 16-0007	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,482.39	216.89
26 28 16 16-0008	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,572.91	341.49
26 28 16 16-0009	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,593.75	530.69
26 28 16 16-0010	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,404.34	784.49
26 28 16 16-0011	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,921.03	922.93
26 28 16 16-0012	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,448.92	1,076.75

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0014 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,033.02	170.90
26 28 16 16-0015 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,246.57	205.97
26 28 16 16-0016 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,036.47	240.73
26 28 16 16-0017 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,995.96	379.94
26 28 16 16-0018 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,686.26	589.45
26 28 16 16-0019 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,453.13	871.25
26 28 16 16-0020 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,621.81	1,024.91
26 28 16 16-0021 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	21,469.50	1,196.43
26 28 16 16-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0023 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	914.51	241.50
26 28 16 16-0024 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,369.93	320.72
26 28 16 16-0025 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,891.42	356.10
26 28 16 16-0026 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,995.67	557.60
26 28 16 16-0027 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,372.96	915.24
26 28 16 16-0028 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,494.49	1,282.11
26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,225.29	266.88
26 28 16 16-0031 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,546.97	356.10
26 28 16 16-0032 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,356.34	400.71
26 28 16 16-0033 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,456.78	610.68
26 28 16 16-0034 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,930.49	986.00
26 28 16 16-0035 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,862.52	1,424.38
26 28 16 16-0036 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	20,823.20	1,692.04
26 28 16 16-0037 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	26,767.33	1,922.77
26 28 16 16-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	881.35	241.50
26 28 16 16-0040 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,327.08	320.72
26 28 16 16-0041 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,813.46	356.10
26 28 16 16-0042 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,102.89	557.60
26 28 16 16-0043 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,977.22	915.24
26 28 16 16-0044 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,403.55	1,282.11
26 28 16 16-0045 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,188.75	1,615.13
26 28 16 16-0046 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	23,748.45	1,845.86
26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0048 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,346.96	266.88
26 28 16 16-0049 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,696.50	356.10
26 28 16 16-0050 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,574.97	400.71
26 28 16 16-0051 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,784.06	610.68
26 28 16 16-0052 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,628.75	986.00
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,095.73	1,424.38
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	22,870.63	1,692.04
26 28 16 16-0055 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	28,978.98	1,922.77
26 28 16 16-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0058 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	631.94	222.58
26 28 16 16-0059 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	996.95	309.64
26 28 16 16-0060 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,403.99	356.10
26 28 16 16-0061 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,194.77	569.75
26 28 16 16-0062 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,513.36	949.54
26 28 16 16-0063 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,489.35	1,294.87
26 28 16 16-0064 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,829.15	1,538.21
26 28 16 16-0065 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	14,399.92	1,795.25
26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0067 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	698.11	245.65
26 28 16 16-0068 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,130.54	347.49
26 28 16 16-0069 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,589.79	395.63
26 28 16 16-0070 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,465.68	619.29
26 28 16 16-0071 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,856.73	1,017.37
26 28 16 16-0072 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,284.61	1,424.23
26 28 16 16-0073 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,080.72	1,538.21
26 28 16 16-0074 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	16,113.90	1,795.25
26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0076 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	724.87	199.97
26 28 16 16-0077 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,126.22	278.42
26 28 16 16-0078 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,552.65	320.72
26 28 16 16-0079 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,433.84	512.99
26 28 16 16-0080 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,976.16	854.48
26 28 16 16-0081 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,149.38	1,165.20
26 28 16 16-0082 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	14,396.81	1,384.39
26 28 16 16-0083 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	18,873.62	1,615.13
26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0085 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	789.33	220.73
26 28 16 16-0086 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,234.80	313.03
26 28 16 16-0087 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,688.98	356.10
26 28 16 16-0088 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,623.60	557.60
26 28 16 16-0089 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,331.56	915.24
26 28 16 16-0090 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,798.07	1,282.11
26 28 16 16-0091 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	15,225.39	1,384.39
26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0093 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	851.07	221.05
26 28 16 16-0094 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,340.09	312.72
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,860.21	356.10
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,887.34	557.29
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,700.49	915.55
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,889.92	1,281.80
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	16,471.29	1,384.39
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	21,666.22	1,615.13
26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,317.87	200.28
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,570.97	278.73
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,469.94	320.41
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,688.39	512.68
26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,424.85	220.73
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,711.37	313.03
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,671.82	356.10
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,967.79	557.60
26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,596.69	221.05
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,900.91	312.72
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,012.67	356.10
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,464.32	557.29
26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
Note: Includes fuses and neutral bar.		
26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	437.52	133.82
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	608.59	161.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	970.41	188.28
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,825.92	297.03
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,484.34	460.69
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,489.73	681.89
26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	589.94	210.28
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	843.22	278.73
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,213.10	309.64
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,203.21	484.70
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,159.76	796.18
26 28 16 16-0130 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,364.10	1,114.59
26 28 16 16-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0132 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	670.11	210.28
26 28 16 16-0133 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	972.49	278.73
26 28 16 16-0134 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,330.73	309.64
26 28 16 16-0135 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,499.56	484.70
26 28 16 16-0136 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,666.31	796.18
26 28 16 16-0137 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,685.20	1,114.59
26 28 16 16-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	595.89	186.12
26 28 16 16-0141 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	812.52	213.96
26 28 16 16-0142 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,916.54	341.95
26 28 16 16-0143 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,204.88	569.14
26 28 16 16-0144 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,399.92	775.57
26 28 16 16-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	563.89	174.12
26 28 16 16-0147 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	770.53	242.27
26 28 16 16-0148 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,223.73	278.73
26 28 16 16-0149 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,125.66	445.93
26 28 16 16-0150 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,554.64	743.27
26 28 16 16-0151 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,878.64	1,013.07
26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	984.85	180.74
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,607.30	216.89
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,019.67	252.27
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,947.53	384.55
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,647.80	615.28
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,799.13	820.64
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,867.10	922.93
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	23,759.93	1,076.75
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,735.27	240.88
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,061.48	295.34
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,972.00	339.17
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,169.61	508.69
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,231.54	832.33
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,198.57	1,144.59
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	25,495.88	1,317.94
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	28,067.92	1,483.61
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,225.14	284.57
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,987.86	376.87
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,419.37	413.78
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,571.41	640.67
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,906.21	1,068.29
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,393.99	1,424.38
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,931.91	337.33
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,298.69	413.47
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,122.92	474.70
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,523.59	712.19
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,718.31	1,165.35
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,843.48	1,602.36
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	25,502.24	1,845.86
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	30,603.48	2,076.59
26 28 16 16-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0189 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,361.10	284.57
26 28 16 16-0190 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,991.80	376.87
26 28 16 16-0191 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,610.54	413.78
26 28 16 16-0192 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,698.91	640.67
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,023.17	1,068.29
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,680.51	1,424.38
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	24,942.07	1,615.13
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	31,187.04	1,845.86
26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16-0153)		
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,009.92	337.64
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,386.39	413.78
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,317.84	474.54
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,650.30	712.19
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,176.38	1,165.20
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,369.77	1,602.05
26 28 16 16-0204 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	27,159.48	1,845.86
26 28 16 16-0205 EA 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	32,787.94	2,076.59
26 28 16 16-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16 16-0152)		
26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16 16-0206)		
26 28 16 16-0208 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	942.72	158.29
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,562.16	219.19
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,075.38	251.35
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,719.04	407.01
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,186.10	678.96
26 28 16 16-0213 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,475.09	905.24
26 28 16 16-0214 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,682.86	1,077.21
26 28 16 16-0215 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	24,775.30	1,231.04
26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16 16-0206)		
26 28 16 16-0217 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,063.60	174.43
26 28 16 16-0218 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,772.75	244.12
26 28 16 16-0219 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,348.20	275.65
26 28 16 16-0220 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,031.94	427.32
26 28 16 16-0221 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,054.70	712.19
26 28 16 16-0222 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,405.51	949.54
26 28 16 16-0223 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,936.66	1,128.44
26 28 16 16-0224 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	26,430.54	1,281.80



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,100.98	237.34
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,781.29	328.71
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,326.72	377.02
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,125.98	610.51
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,962.95	1,018.30
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,572.09	1,357.48
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,974.23	1,615.13
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	26,615.32	1,845.86
26 28 16 16-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,194.15	261.50
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,936.70	366.25
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,512.01	413.47
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,323.11	640.98
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,414.39	1,068.13
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,408.89	1,424.23
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,323.74	1,692.04
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	28,404.01	1,922.77
26 28 16 16-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	573.93	261.50
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,016.92	366.25
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,623.86	413.47
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,459.23	640.98
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,766.84	1,068.13
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,355.03	1,424.23
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,293.57	1,692.04
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	28,362.95	1,922.77
26 28 16 16-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	575.24	157.20
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	831.09	188.59
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,109.62	219.35
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,343.03	334.40
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,895.97	534.99
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,588.03	713.73



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0260)		
26 28 16 16-0261 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	757.28	247.80
26 28 16 16-0262 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,110.35	327.79
26 28 16 16-0263 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,389.58	359.64
26 28 16 16-0264 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,790.56	557.29
26 28 16 16-0265 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,687.58	928.77
26 28 16 16-0266 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,652.44	1,238.88
26 28 16 16-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0267)		
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	869.70	247.65
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,222.91	327.79
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,752.30	359.64
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,024.89	557.29
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,838.10	928.93
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,828.31	1,238.88
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,546.37	1,403.47
26 28 16 16-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0277 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	521.55	137.67
26 28 16 16-0278 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	873.77	190.58
26 28 16 16-0279 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	907.78	218.58
26 28 16 16-0280 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,382.90	353.79
26 28 16 16-0281 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,008.33	590.37
26 28 16 16-0282 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,740.08	787.10
26 28 16 16-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0284 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	821.67	206.43
26 28 16 16-0285 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,189.43	285.80
26 28 16 16-0286 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,794.47	327.79
26 28 16 16-0287 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,103.33	530.84
26 28 16 16-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0001)		
26 28 16 16-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288) Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0291 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,805.97	153.82
26 28 16 16-0292 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,370.35	185.35
26 28 16 16-0293 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,970.49	216.58

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0294 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,616.31	341.80
26 28 16 16-0295 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,646.09	530.38
26 28 16 16-0296 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	28,227.04	784.18
26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0298 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,575.07	170.90
26 28 16 16-0299 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,966.37	205.81
26 28 16 16-0300 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,532.72	240.58
26 28 16 16-0301 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,622.56	379.94
26 28 16 16-0302 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,379.81	589.75
26 28 16 16-0303 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	29,206.78	871.25
26 28 16 16-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0305 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,112.73	241.81
26 28 16 16-0306 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,891.30	320.41
26 28 16 16-0307 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,572.86	356.10
26 28 16 16-0308 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,735.09	557.29
26 28 16 16-0309 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,031.39	915.55
26 28 16 16-0310 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	30,028.04	1,281.80
26 28 16 16-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0312 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,777.42	267.04
26 28 16 16-0313 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,277.85	356.10
26 28 16 16-0314 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,874.57	400.55
26 28 16 16-0315 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,114.13	610.36
26 28 16 16-0316 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,696.37	986.00
26 28 16 16-0317 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	30,860.62	1,424.23
26 28 16 16-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0319 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,748.44	241.81
26 28 16 16-0320 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,686.01	320.41
26 28 16 16-0321 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,163.06	356.10
26 28 16 16-0322 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,909.62	557.29
26 28 16 16-0323 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,311.13	915.55
26 28 16 16-0324 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	35,909.44	1,281.80
26 28 16 16-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0326 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,528.59	267.04
26 28 16 16-0327 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,129.65	356.10
26 28 16 16-0328 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,497.76	400.55



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0329 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,306.83	610.36
26 28 16 16-0330 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	26,033.86	986.00
26 28 16 16-0331 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	36,822.21	1,424.23
26 28 16 16-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0334 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,688.66	153.82
26 28 16 16-0335 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,257.14	213.96
26 28 16 16-0336 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,221.68	246.12
26 28 16 16-0337 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,602.49	393.17
26 28 16 16-0338 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,696.63	654.66
26 28 16 16-0339 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	22,507.78	891.86
26 28 16 16-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0341 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,060.62	169.67
26 28 16 16-0342 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,713.04	239.96
26 28 16 16-0343 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,094.84	273.50
26 28 16 16-0344 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,787.41	427.32
26 28 16 16-0345 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,849.17	703.28
26 28 16 16-0346 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,653.77	984.46
26 28 16 16-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0348 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,781.59	200.28
26 28 16 16-0349 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,341.41	278.73
26 28 16 16-0350 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,470.01	320.41
26 28 16 16-0351 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,754.90	512.68
26 28 16 16-0352 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,525.21	854.63
26 28 16 16-0353 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	23,737.20	1,165.35
26 28 16 16-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0355 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,163.16	221.05
26 28 16 16-0356 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,858.53	312.72
26 28 16 16-0357 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,260.03	356.10
26 28 16 16-0358 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,047.30	557.29
26 28 16 16-0359 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,174.33	915.55
26 28 16 16-0360 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	27,028.34	1,281.80
26 28 16 16-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0362 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,868.39	200.28
26 28 16 16-0363 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,616.16	278.73
26 28 16 16-0364 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,565.27	320.41
26 28 16 16-0365 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,103.41	512.68
26 28 16 16-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0367 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,405.22	221.05
26 28 16 16-0368 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,263.96	312.72
26 28 16 16-0369 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,054.24	356.10
26 28 16 16-0370 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,346.56	557.29
26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,117.20	266.88
26 28 16 16-0374 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,803.04	356.10
26 28 16 16-0375 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,569.45	400.71
26 28 16 16-0376 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,705.97	610.68
26 28 16 16-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,808.71	220.73
26 28 16 16-0379 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,478.37	313.03
26 28 16 16-0380 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,004.76	356.10
26 28 16 16-0381 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,556.94	557.60
26 28 16 16-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,873.56	266.88
26 28 16 16-0385 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,649.38	356.10
26 28 16 16-0386 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,170.00	400.71
26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,524.35	220.73
26 28 16 16-0389 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,279.71	313.03
26 28 16 16-0390 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,541.03	356.10
26 28 16 16-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
Note: With fuses and neutral bar.		
26 28 16 16-0393 EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,589.47	307.65
26 28 16 16-0394 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,171.50	366.25
26 28 16 16-0395 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,730.82	413.47



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0396 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	12,298.03	640.98
26 28 16 16-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,490.95	366.25
26 28 16 16-0399 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,094.15	413.47
26 28 16 16-0400 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	7,595.85	640.98
26 28 16 16-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
Note: With fuses and neutral bar.		
26 28 16 16-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0404 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	967.47	153.82
26 28 16 16-0405 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,272.42	185.35
26 28 16 16-0406 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,757.31	216.89
26 28 16 16-0407 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,977.64	341.49
26 28 16 16-0408 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,470.00	530.69
26 28 16 16-0409 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	11,782.40	784.49
26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0411 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,560.12	170.74
26 28 16 16-0412 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,591.38	206.12
26 28 16 16-0413 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,324.73	240.73
26 28 16 16-0414 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,635.13	379.94
26 28 16 16-0415 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,070.22	589.14
26 28 16 16-0416 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	16,136.78	871.40
26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0418 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,328.27	241.50
26 28 16 16-0419 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,848.41	320.72
26 28 16 16-0420 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,570.63	356.10
26 28 16 16-0421 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,804.50	557.60
26 28 16 16-0422 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,571.73	915.24
26 28 16 16-0423 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	12,265.19	1,282.11
26 28 16 16-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0425 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,801.14	266.88
26 28 16 16-0426 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,008.38	356.10
26 28 16 16-0427 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,033.04	400.71
26 28 16 16-0428 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,398.10	610.68
26 28 16 16-0429 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,388.97	986.00
26 28 16 16-0430 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	17,916.27	1,424.38
26 28 16 16-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0432 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,429.12	241.50
26 28 16 16-0433 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,917.70	320.72
26 28 16 16-0434 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,788.09	356.10
26 28 16 16-0435 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,077.52	557.60
26 28 16 16-0436 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,302.73	915.24
26 28 16 16-0437 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,759.04	1,282.11
26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0439 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,918.06	266.88
26 28 16 16-0440 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,320.27	356.10
26 28 16 16-0441 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,247.49	400.71
26 28 16 16-0442 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,807.43	610.68
26 28 16 16-0443 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,051.70	986.00
26 28 16 16-0444 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	18,462.05	1,424.38
26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,016.55	222.27
26 28 16 16-0448 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,342.10	309.95
26 28 16 16-0449 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,801.98	356.10
26 28 16 16-0450 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,544.91	569.90
26 28 16 16-0451 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,722.07	949.85
26 28 16 16-0452 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,147.36	1,295.18
26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,134.10	245.35
26 28 16 16-0455 EA 60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,490.44	347.64
26 28 16 16-0456 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,008.90	395.32
26 28 16 16-0457 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,765.00	619.13
26 28 16 16-0458 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,052.80	1,017.52
26 28 16 16-0459 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,107.16	1,424.38
26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,307.86	199.97
26 28 16 16-0462 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,711.24	278.42
26 28 16 16-0463 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,310.13	320.72
26 28 16 16-0464 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,262.84	512.99
26 28 16 16-0465 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,014.06	854.48
26 28 16 16-0466 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,183.18	1,165.20
26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0468 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,264.61	220.73
26 28 16 16-0469 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,843.58	313.03
26 28 16 16-0470 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,466.46	356.10
26 28 16 16-0471 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,190.60	557.60
26 28 16 16-0472 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,006.48	915.24
26 28 16 16-0473 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	13,382.06	1,282.11
26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,596.38	199.97
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,875.31	278.42
26 28 16 16-0477 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,982.32	320.72
26 28 16 16-0478 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,726.34	512.99
26 28 16 16-0479 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,720.18	653.74
26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0481 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,650.56	220.73
26 28 16 16-0482 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,038.51	313.03
26 28 16 16-0483 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,177.94	356.10
26 28 16 16-0484 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,837.70	557.60
26 28 16 16-0485 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,173.66	861.40
26 28 16 16-0486 Double Throw Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0489 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,211.63	197.66
26 28 16 16-0490 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,809.83	258.42
26 28 16 16-0491 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,553.19	337.64
26 28 16 16-0492 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,411.25	439.16
26 28 16 16-0493 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,530.46	549.14
26 28 16 16-0494 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,589.45	880.63
26 28 16 16-0495 EA 800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,753.86	1,230.58
26 28 16 16-0496 EA 1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,416.46	1,384.39
26 28 16 16-0497 EA 1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	31,180.90	1,538.21
26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0499 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,512.87	276.88
26 28 16 16-0500 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,126.46	361.48
26 28 16 16-0501 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,243.22	473.01
26 28 16 16-0502 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,809.19	615.28
26 28 16 16-0503 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,747.72	769.11
26 28 16 16-0504 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,299.20	1,230.58
26 28 16 16-0505 EA 800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,114.66	1,384.39
26 28 16 16-0506 EA 1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	27,599.03	1,538.21
26 28 16 16-0507 EA 1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,798.89	1,692.04
26 28 16 16-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0509 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,023.00	346.09
26 28 16 16-0510 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,973.60	452.24
26 28 16 16-0511 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,401.68	590.67

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0512 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,423.49	767.57
26 28 16 16-0513 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,306.03	961.39
26 28 16 16-0514 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,174.23	1,540.53
26 28 16 16-0515 EA 800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,419.26	1,692.04
26 28 16 16-0516 EA 1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,767.79	1,768.95
26 28 16 16-0517 EA 1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	36,836.23	1,845.86
26 28 16 16-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0519 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,113.74	258.42
26 28 16 16-0520 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,208.67	337.64
26 28 16 16-0521 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,764.09	439.16
26 28 16 16-0522 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,521.53	549.14
26 28 16 16-0523 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,989.08	880.63
26 28 16 16-0524 EA 800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,283.20	1,230.58
26 28 16 16-0525 EA 1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,781.22	1,384.39
26 28 16 16-0526 EA 1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	33,991.35	1,538.21
26 28 16 16-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0528 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,319.61	361.48
26 28 16 16-0529 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,478.52	473.01
26 28 16 16-0530 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,114.89	615.28
26 28 16 16-0531 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,961.11	769.11
26 28 16 16-0532 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,691.44	1,230.58
26 28 16 16-0533 EA 800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,749.25	1,384.39
26 28 16 16-0534 EA 1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,766.76	1,538.21
26 28 16 16-0535 EA 1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	35,740.38	1,692.04
26 28 16 16-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0537 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,163.58	452.24
26 28 16 16-0538 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,677.38	590.67
26 28 16 16-0539 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,991.20	767.57
26 28 16 16-0540 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,517.86	961.39
26 28 16 16-0541 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,532.93	1,540.53
26 28 16 16-0542 EA 800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,522.78	1,692.04
26 28 16 16-0543 EA 1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	35,690.79	1,768.95
26 28 16 16-0544 EA 1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	40,150.67	1,845.86
26 28 16 16-0545 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0546 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0547 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,242.31	337.64
26 28 16 16-0548 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,641.02	439.16
26 28 16 16-0549 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	25,569.52	549.14
26 28 16 16-0550 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	44,078.96	880.63
26 28 16 16-0551 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0552 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,231.42	472.23
26 28 16 16-0553 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,922.37	614.51
26 28 16 16-0554 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	26,239.68	769.11
26 28 16 16-0555 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	28,273.68	1,232.88
26 28 16 16-0556 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0557 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,144.91	346.25
26 28 16 16-0558 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,125.96	451.93
26 28 16 16-0559 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,215.20	590.52
26 28 16 16-0560 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,485.25	767.88
26 28 16 16-0561 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,014.33	961.39
26 28 16 16-0562 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	20,759.85	1,540.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0563 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0564 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,766.99	258.42
26 28 16 16-0565 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,245.54	337.64
26 28 16 16-0566 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,835.65	439.16
26 28 16 16-0567 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,257.54	549.14
26 28 16 16-0568 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	20,299.32	880.63
26 28 16 16-0569 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0570 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,092.33	361.48
26 28 16 16-0571 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,703.71	472.23
26 28 16 16-0572 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,552.55	614.51
26 28 16 16-0573 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,442.39	769.11
26 28 16 16-0574 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	21,976.17	1,232.88
26 28 16 16-0575 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0576 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,170.02	451.93
26 28 16 16-0577 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,235.40	590.52
26 28 16 16-0578 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,765.88	767.88
26 28 16 16-0579 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	17,981.20	961.39
26 28 16 16-0580 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	20,942.49	1,540.68
26 28 16 16-0581 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0582 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0583 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,365.64	197.82
26 28 16 16-0584 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,791.58	258.27
26 28 16 16-0585 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,262.60	337.49
26 28 16 16-0586 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,875.02	438.86
26 28 16 16-0587 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,142.81	549.30
26 28 16 16-0588 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,294.36	880.32
26 28 16 16-0589 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0590 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,837.22	276.88
26 28 16 16-0591 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,518.14	361.48
26 28 16 16-0592 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,335.15	472.23
26 28 16 16-0593 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,465.53	614.51
26 28 16 16-0594 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,821.43	769.11
26 28 16 16-0595 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	18,131.54	1,232.88
26 28 16 16-0596 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0597 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,774.65	346.25
26 28 16 16-0598 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,727.76	451.93
26 28 16 16-0599 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,241.74	590.52
26 28 16 16-0600 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,574.02	767.88
26 28 16 16-0601 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	23,559.48	961.39
26 28 16 16-0602 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	29,062.23	1,540.68
26 28 16 16-0603 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0604 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,052.49	258.27
26 28 16 16-0605 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,272.66	337.49
26 28 16 16-0606 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,119.22	438.86
26 28 16 16-0607 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,806.72	549.30
26 28 16 16-0608 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	19,588.47	880.32
26 28 16 16-0609 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0610 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,497.77	361.48
26 28 16 16-0611 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,784.72	472.23
26 28 16 16-0612 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,955.95	614.51
26 28 16 16-0613 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,806.72	769.11
26 28 16 16-0614 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	21,227.14	1,232.88

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 16-0615	600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0616	EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,799.59	451.93
26 28 16 16-0617	EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,771.63	590.52
26 28 16 16-0618	EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	12,886.34	767.88
26 28 16 16-0619	EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	24,231.75	961.39
26 28 16 16-0620	EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	29,953.31	1,540.68
26 28 16 16-0621	Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 16-0001)</small>		
	Note: Includes storage and cleaning.		
26 28 16 16-0622	EA Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	769.11	
26 28 16 16-0623	EA Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	999.88	
26 28 16 16-0624	EA Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	1,115.30	
26 28 16 16-0625	EA Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,307.56	
26 28 16 16-0626	Bolted Contact Switches <small>(26 28 16 16)</small>		
	Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0627	Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0626)</small>		
26 28 16 16-0628	Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0627)</small>		
26 28 16 16-0629	EA 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,686.45	1,538.21
26 28 16 16-0630	EA 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,628.24	1,845.86
26 28 16 16-0631	EA 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,701.88	2,153.50
26 28 16 16-0632	EA 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	13,474.15	2,461.14
26 28 16 16-0633	EA 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	15,213.36	2,768.79
26 28 16 16-0634	EA 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	18,949.25	3,076.43
26 28 16 16-0635	EA 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	25,391.30	3,691.72
26 28 16 16-0636	Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0627)</small>		
26 28 16 16-0637	EA 800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	11,295.50	1,538.21
26 28 16 16-0638	EA 1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	12,356.60	1,845.86
26 28 16 16-0639	EA 1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	13,423.96	2,153.50
26 28 16 16-0640	EA 2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	14,510.16	2,461.14
26 28 16 16-0641	EA 2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	16,331.00	2,768.79
26 28 16 16-0642	EA 3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	21,046.40	3,076.43
26 28 16 16-0643	EA 4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	27,576.36	3,691.72
26 28 16 16-0644	Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0626)</small>		
26 28 16 16-0645	Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0644)</small>		
26 28 16 16-0646	EA 800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,948.85	1,538.21
26 28 16 16-0647	EA 1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,923.30	1,845.86
26 28 16 16-0648	EA 1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,949.22	2,153.50
26 28 16 16-0649	EA 2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,967.61	2,461.14
26 28 16 16-0650	EA 2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	12,048.79	2,768.79
26 28 16 16-0651	EA 3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	15,784.68	3,076.43
26 28 16 16-0652	EA 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	22,151.39	3,691.72
26 28 16 16-0653	Bottom Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0644)</small>		
26 28 16 16-0654	EA 800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	8,351.96	1,538.21
26 28 16 16-0655	EA 1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	9,532.35	1,845.86
26 28 16 16-0656	EA 1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	10,539.43	2,153.50
26 28 16 16-0657	EA 2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	11,747.45	2,461.14
26 28 16 16-0658	EA 2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	13,028.30	2,768.79
26 28 16 16-0659	EA 3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	17,724.86	3,076.43
26 28 16 16-0660	EA 4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	24,185.75	3,691.72

26 29 Low-Voltage Controllers (26 20)

26 29 13 Enclosed Controllers (26 29)

26 29 13 13 Across-The-Line Motor Controllers (26 29 13)

26 29 13 13-0001 Manual Motor Starters (26 29 13 13)

26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0003	EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	263.69	77.01
	For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.06	
	For Oversized Enclosure, Add	30.60	
	For Pilot Light, Add	44.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	345.10	100.11
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.06	
<i>For Oversized Enclosure, Add</i>	30.60	
<i>For Pilot Light, Add</i>	44.88	
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	294.29	77.01
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.06	
<i>For Oversized Enclosure, Add</i>	30.60	
<i>For Pilot Light, Add</i>	44.88	
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	375.70	100.11
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.06	
<i>For Oversized Enclosure, Add</i>	30.60	
<i>For Pilot Light, Add</i>	44.88	
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	276.95	77.01
<i>For Oversized Enclosure, Add</i>	30.60	
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	362.44	100.11
<i>For Oversized Enclosure, Add</i>	30.60	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	533.18	92.41
<i>For Pilot Light, Add</i>	117.31	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	617.66	115.51
<i>For Pilot Light, Add</i>	117.31	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	563.79	92.41
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	645.20	115.51
 26 29 13 13-0013 Non-Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014 EA NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	218.98	77.01
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	14.76	
<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0015 EA NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	346.89	100.11
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	14.76	
<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0016 EA NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	246.19	84.71
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	14.76	
<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0017 EA NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	375.07	107.82
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	14.76	
<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0018 EA NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	247.53	77.01
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	14.76	
<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0019 EA NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	376.42	100.11
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	14.76	
<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0020 EA NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	493.88	92.41
<i>For Pilot Light, Add</i>	112.21	
26 29 13 13-0021 EA NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	610.96	115.51
<i>For Pilot Light, Add</i>	112.21	
26 29 13 13-0022 EA NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	522.09	100.11
<i>For Pilot Light, Add</i>	112.21	
26 29 13 13-0023 EA NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	636.21	123.21
<i>For Pilot Light, Add</i>	112.21	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	521.44	92.41
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	646.40	115.51
26 29 13 13-0026 EA Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	159.00	53.90
<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0027 EA Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	286.90	77.01
<i>For Pilot Light, Add</i>	70.87	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	186.20	61.61
		<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	314.11	84.71
		<i>For Pilot Light, Add</i>	70.87	
26 29 13 13-0030		Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	559.73	138.62
		<i>For Pilot Light, Add</i>	114.18	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	803.72	184.82
		<i>For Pilot Light, Add</i>	114.18	
26 29 13 13-0033		Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	559.73	138.62
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	803.72	184.82
26 29 13 13-0036		Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	498.00	92.41
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	498.00	92.41
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	993.95	107.82
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	993.95	107.82
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,283.65	107.82
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	629.79	107.82
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	421.20	69.31
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	586.86	100.11
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	586.86	100.11
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,183.80	115.51
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,183.80	115.51
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,495.94	115.51
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	718.64	115.51
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	510.04	77.01
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	760.36	107.82
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	760.36	107.82
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,401.18	123.21
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,401.18	123.21
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,700.06	123.21
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	895.22	123.21
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	686.61	84.71
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	617.15	115.51
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	617.15	115.51
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	1,113.11	130.92
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	1,113.11	130.92
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,410.97	130.92
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	749.96	130.92
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	543.40	92.41
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	706.01	123.21



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	706.01	123.21
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,302.95	138.62
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,302.95	138.62
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,622.23	138.62
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	837.80	138.62
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	629.20	100.11
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,393.01	161.72
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,393.01	161.72
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,213.90	115.51
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,641.09	177.13
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,461.97	130.92
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,393.01	161.72
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,213.90	115.51
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,641.09	177.13
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,461.97	130.92
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084 Non-Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11).....	600.80	154.02
<i>For Factory Installed Accessory, Deduct</i>	-308.04	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12).....	674.45	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5).....	643.64	154.02
<i>For Factory Installed Accessory, Deduct</i>	-308.04	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1).....	718.32	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2).....	791.96	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3).....	999.64	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,252.20	277.24
<i>For Factory Installed Accessory, Deduct</i>	-554.47	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5).....	745.86	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1).....	819.50	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2).....	895.18	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,150.09	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,401.63	315.74
<i>For Factory Installed Accessory, Deduct</i>	-631.48	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,213.25	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,361.76	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,777.94	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,798.35	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2).....	2,069.68	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,629.69	385.05
<i>For Factory Installed Accessory, Deduct</i>	-770.10	
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,714.02	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1).....	3,995.57	385.05
<i>For Factory Installed Accessory, Deduct</i>	-770.10	
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,411.75	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,930.62	539.07
<i>For Factory Installed Accessory, Deduct</i>	-1,078.14	
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,913.65	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,832.72	616.08
<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2).....	22,595.48	924.12
<i>For Factory Installed Accessory, Deduct</i>	-1,848.24	
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2).....	32,383.01	1,386.18
<i>For Factory Installed Accessory, Deduct</i>	-2,772.36	
26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11).....	632.42	154.02
<i>For Factory Installed Accessory, Deduct</i>	-308.04	
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12).....	706.08	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5).....	675.27	154.02
<i>For Factory Installed Accessory, Deduct</i>	-308.04	
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1).....	750.96	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2).....	824.60	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3).....	1,034.32	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,287.90	277.24
<i>For Factory Installed Accessory, Deduct</i>	-554.47	
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5).....	779.52	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1).....	855.20	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2).....	928.85	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3).....	1,184.78	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,435.30	315.74
<i>For Factory Installed Accessory, Deduct</i>	-631.48	
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,364.22	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,513.75	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,928.91	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1).....	2,095.20	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,365.50	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,926.53	385.05
<i>For Factory Installed Accessory, Deduct</i>	-770.10	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,610.67	385.05
<i>For Factory Installed Accessory, Deduct</i>	-770.10	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2).....	5,026.85	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,953.78	616.08
<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2).....	27,525.49	924.12
<i>For Factory Installed Accessory, Deduct</i>	-1,848.24	
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJD2).....	37,327.30	1,386.18
<i>For Factory Installed Accessory, Deduct</i>	-2,772.36	
26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1).....	925.39	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2).....	999.03	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2).....	1,103.28	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,682.48	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,833.04	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,472.62	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,741.91	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2).....	6,276.44	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2).....	13,151.70	616.08
<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2).....	31,446.65	924.12
<i>For Factory Installed Accessory, Deduct</i>	-1,848.24	
26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
<i>Note: Brushed stainless steel enclosure.</i>		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,333.62	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,378.50	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,452.14	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,708.07	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,560.35	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,846.65	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12).....	7,555.61	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12).....	13,151.70	616.08
		<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2).....	34,788.40	924.12
		<i>For Factory Installed Accessory, Deduct</i>	-1,848.24	
26 29 13 13-0157		NEMA 7/9, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2).....	2,604.41	246.44
		<i>For Factory Installed Accessory, Deduct</i>	-492.86	
26 29 13 13-0159		Non-Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160		Open Enclosure, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11).....	701.79	154.02
		<i>For Factory Installed Accessory, Deduct</i>	-308.04	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12).....	732.60	169.42
		<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1).....	782.58	169.42
		<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2).....	864.38	184.82
		<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4).....	1,379.71	277.24
		<i>For Factory Installed Accessory, Deduct</i>	-554.47	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1).....	886.83	184.82
		<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3).....	1,032.89	200.23
		<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2).....	1,075.74	200.23
		<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6).....	1,306.08	184.82
		<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1).....	1,493.35	231.03
		<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1).....	2,286.96	308.04
		<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1).....	4,746.33	462.06
		<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1).....	10,567.86	616.08
		<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2).....	24,040.93	924.12
		<i>For Factory Installed Accessory, Deduct</i>	-1,848.24	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2).....	34,659.81	1,386.18
		<i>For Factory Installed Accessory, Deduct</i>	-2,772.36	
26 29 13 13-0176		NEMA 1, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11).....	735.45	154.02
		<i>For Factory Installed Accessory, Deduct</i>	-308.04	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12).....	766.26	169.42
		<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1).....	816.24	169.42
		<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2).....	898.05	184.82
		<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1).....	919.47	184.82
		<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3).....	1,002.29	200.23
		<i>For Factory Installed Accessory, Deduct</i>	-400.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2).....	1,110.42	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6).....	1,458.07	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1).....	1,645.34	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1).....	2,583.80	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1).....	5,361.43	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1).....	11,691.98	616.08
<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1).....	990.68	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2).....	1,072.48	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1).....	1,093.90	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3).....	1,176.72	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2).....	1,284.85	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6).....	1,777.35	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1).....	1,963.61	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1).....	2,960.21	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1).....	6,610.00	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1).....	14,886.84	616.08
<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2).....	35,232.14	924.12
<i>For Factory Installed Accessory, Deduct</i>	-1,848.24	
26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1).....	990.68	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2).....	1,072.48	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1).....	1,093.90	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3).....	1,176.72	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2).....	1,284.85	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6).....	1,777.35	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1).....	1,963.61	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1).....	2,960.21	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1).....	6,610.00	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0211			NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4).....	2,716.82	261.83
			<i>For Factory Installed Accessory, Deduct</i>	-523.67	
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1).....	3,310.51	261.83
			<i>For Factory Installed Accessory, Deduct</i>	-523.67	
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3).....	3,414.75	277.24
			<i>For Factory Installed Accessory, Deduct</i>	-554.47	
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1).....	5,233.95	308.04
			<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43).....	6,318.27	385.05
			<i>For Factory Installed Accessory, Deduct</i>	-770.10	
26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41).....	10,032.33	539.07
			<i>For Factory Installed Accessory, Deduct</i>	-1,078.14	
26 29 13 13-0218			NEMA 4/4X, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11).....	1,324.24	169.42
			<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12).....	1,407.06	184.82
			<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11).....	1,442.77	184.82
			<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13).....	1,525.59	200.23
			<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12).....	1,633.72	200.23
			<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16).....	2,502.62	184.82
			<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11).....	4,063.92	308.04
			<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11).....	7,888.15	462.06
			<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11).....	17,344.20	616.08
			<i>For Factory Installed Accessory, Deduct</i>	-1,232.16	
26 29 13 13-0228			NEMA 4X, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21).....	2,691.94	231.03
			<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21).....	4,926.90	308.04
			<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21).....	9,630.43	462.06
			<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0232			NEMA 7/9, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1).....	2,625.83	246.44
			<i>For Factory Installed Accessory, Deduct</i>	-492.86	
26 29 13 13-0234	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2).....	2,716.82	261.83
			<i>For Factory Installed Accessory, Deduct</i>	-523.67	
26 29 13 13-0235	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1).....	2,753.55	261.83
			<i>For Factory Installed Accessory, Deduct</i>	-523.67	
26 29 13 13-0236	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3).....	2,840.45	277.24
			<i>For Factory Installed Accessory, Deduct</i>	-554.47	
26 29 13 13-0237	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2).....	2,964.90	277.24
			<i>For Factory Installed Accessory, Deduct</i>	-554.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1).....	4,311.80	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0239 Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,280.77	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,345.04	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,486.01	215.62
<i>For Factory Installed Accessory, Deduct</i>	-431.26	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,545.38	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,581.08	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,691.44	246.44
<i>For Factory Installed Accessory, Deduct</i>	-492.86	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,768.26	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,804.98	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	3,012.23	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,904.44	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	11,107.47	693.09
<i>For Factory Installed Accessory, Deduct</i>	-1,386.18	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	20,524.74	924.12
<i>For Factory Installed Accessory, Deduct</i>	-1,848.24	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	65,867.85	1,694.22
<i>For Factory Installed Accessory, Deduct</i>	-3,388.44	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,311.18	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,372.58	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,409.30	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,547.22	215.62
<i>For Factory Installed Accessory, Deduct</i>	-431.26	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,608.62	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,645.34	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,783.25	246.44
<i>For Factory Installed Accessory, Deduct</i>	-492.86	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,860.06	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,896.79	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	3,250.93	308.04
<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	5,317.57	462.06
<i>For Factory Installed Accessory, Deduct</i>	-924.12	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	11,866.40	693.09
		<i>For Factory Installed Accessory, Deduct</i>	-1,386.18	
26 29 13 13-0267		NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,869.76	231.03
		<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,906.48	231.03
		<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,157.92	269.54
		<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,687.52	308.04
		<i>For Factory Installed Accessory, Deduct</i>	-616.08	
26 29 13 13-0272		NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,312.47	231.03
		<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,713.56	246.44
		<i>For Factory Installed Accessory, Deduct</i>	-492.86	
26 29 13 13-0275		Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	173.45	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	288.61	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	173.45	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	288.61	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	288.61	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	145.96	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	130.84	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	173.45	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	145.96	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	194.38	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	214.59	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	364.65	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	386.75	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	463.09	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	801.60	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	801.60	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	53.47	11.56
		<i>For Factory Installed Accessory, Deduct</i>	-23.10	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	105.25	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	138.55	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	110.63	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	61.84	11.56
		<i>For Factory Installed Accessory, Deduct</i>	-23.10	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	39.74	11.56
		<i>For Factory Installed Accessory, Deduct</i>	-23.10	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	187.84	15.41
		<i>For Factory Installed Accessory, Deduct</i>	-30.80	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	321.18	19.25
		<i>For Factory Installed Accessory, Deduct</i>	-38.51	

26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	672.61	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	671.59	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	726.87	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	709.33	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	770.74	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	741.98	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	869.07	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	953.73	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	1,189.88	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0311 NEMA 1, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	677.51	169.42
<i>For Factory Installed Accessory, Deduct</i>	-338.85	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	732.80	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	730.76	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	789.10	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	769.52	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	831.94	200.23
<i>For Factory Installed Accessory, Deduct</i>	-400.45	
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	804.20	184.82
<i>For Factory Installed Accessory, Deduct</i>	-369.65	
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	930.27	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	1,011.88	231.03
<i>For Factory Installed Accessory, Deduct</i>	-462.06	
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	1,249.04	269.54
<i>For Factory Installed Accessory, Deduct</i>	-539.07	
26 29 13 13-0322 Definite Purpose Starter Accessory <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory.....	194.38	19.25
Note: Or Hand-Off-Auto Selector Switch Kit		
<i>For Factory Installed Accessory, Deduct</i>	-38.51	
26 29 13 13-0324 Panel Mounted Miniature Contactor <small>(26 29 13 13)</small>		
26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	212.16	77.01
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	245.93	84.71
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	245.93	84.71
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	272.55	92.41



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	412.20	84.71
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	464.32	92.41
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	93.03	38.51
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	100.90	38.51
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	115.16	38.51
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	143.53	38.51
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
26 29 13 13-0366 NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,664.37	738.35
<i>For NEMA 4, Add</i>	769.54	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	13,217.02	984.46
<i>For NEMA 4, Add</i>	1,405.62	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	22,854.37	1,169.04
<i>For NEMA 4, Add</i>	2,565.47	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	55,017.65	1,430.54
<i>For NEMA 4, Add</i>	6,521.14	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	87,554.32	1,830.47
<i>For NEMA 4, Add</i>	10,486.49	
26 29 13 13-0372 NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,613.09	754.04
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	13,123.35	986.00
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	22,683.42	1,165.35
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	54,583.11	1,424.23
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	86,855.55	1,831.24
26 29 13 13-0378 Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	181.31	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	199.96	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	340.37	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	184.93	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	265.91	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	132.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	433.96	
26 29 13 13-0386 Factory Modifications Meters <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,744.40	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,684.85	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	595.65	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	493.55	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers <small>(26 29 13 13-0365)</small>		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,305.48	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,216.43	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,968.76	
26 29 13 13-0395 Factory Modifications Addition <small>(26 29 13 13-0365)</small>		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	387.19	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	387.19	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	387.19	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	387.19	
26 29 13 13-0400 Combination Starters Non-Reversing <small>(26 29 13 13)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0401 240-600 Volt, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,943.36	353.79
<i>For Electronic Overloads, Add</i>	233.93	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,413.52	553.76
<i>For Electronic Overloads, Add</i>	246.79	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,338.41	646.05
<i>For Electronic Overloads, Add</i>	390.75	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,025.40	799.88
<i>For Electronic Overloads, Add</i>	650.39	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,166.34	1,276.72
<i>For Electronic Overloads, Add</i>	1,254.50	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,029.00	1,599.74
<i>For Electronic Overloads, Add</i>	2,816.63	
26 29 13 13-0409 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,430.44	353.79
<i>For Electronic Overloads, Add</i>	326.48	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,900.60	553.76
<i>For Electronic Overloads, Add</i>	339.33	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,811.96	646.05
<i>For Electronic Overloads, Add</i>	480.72	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,282.47	799.88
<i>For Electronic Overloads, Add</i>	699.23	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,641.11	1,276.72
<i>For Electronic Overloads, Add</i>	1,534.71	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	21,939.17	1,599.74
<i>For Electronic Overloads, Add</i>	3,559.57	
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	221.81	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	520.99	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	359.57	
26 29 13 13-0420 NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,479.63	461.46
<i>For Electronic Overloads, Add</i>	480.72	
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,879.61	646.05
<i>For Electronic Overloads, Add</i>	493.57	
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,483.28	707.57
<i>For Electronic Overloads, Add</i>	771.21	
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,622.97	861.40
<i>For Electronic Overloads, Add</i>	1,313.63	
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,631.24	1,276.72
<i>For Electronic Overloads, Add</i>	2,102.83	
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	29,421.27	1,599.74
<i>For Electronic Overloads, Add</i>	4,981.17	
26 29 13 13-0427 NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,966.71	461.46
<i>For Electronic Overloads, Add</i>	573.27	
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,366.69	646.05
<i>For Electronic Overloads, Add</i>	586.12	
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,956.83	707.57
<i>For Electronic Overloads, Add</i>	861.19	
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,880.04	861.40
<i>For Electronic Overloads, Add</i>	1,362.47	
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,106.01	1,276.72
<i>For Electronic Overloads, Add</i>	2,383.04	
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	27,892.38	1,599.74
<i>For Electronic Overloads, Add</i>	4,690.68	
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	221.84	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	520.99	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	359.57	
26 29 13 13-0438 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,004.92	356.10
<i>For Electronic Overloads, Add</i>	245.63	
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,478.46	557.29
<i>For Electronic Overloads, Add</i>	259.13	
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,441.24	640.98
<i>For Electronic Overloads, Add</i>	410.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,196.55 <i>682.91</i>	801.11
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	9,496.46 <i>1,317.23</i>	1,281.95
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	18,770.20 <i>2,957.46</i>	1,602.20
26 29 13 13-0445 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,586.53 <i>356.14</i>	356.10
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,062.83 <i>370.16</i>	557.29
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,041.79 <i>524.39</i>	640.98
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,616.77 <i>762.75</i>	801.11
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	11,374.85 <i>1,674.12</i>	1,281.95
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	23,640.98 <i>3,882.91</i>	1,602.20
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	219.99	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	516.65	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	356.57	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,488.24	738.35
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,075.71	984.46
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,694.95	1,353.63
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,895.81	1,845.86
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	14,849.32	2,584.20
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,319.15	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,319.15	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,319.15	
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,416.75	461.46
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,847.33	646.05
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,041.05	707.57
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,045.33	861.40
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,645.47	1,276.72
26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,673.75	461.46
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,121.67	646.05
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,362.20	707.57
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,603.19	861.40
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,514.13	1,276.72
26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,566.20	474.85
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,006.79	640.98
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,307.59	712.19
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,486.99	854.63
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	12,570.50	1,281.95
26 29 13 13-0486 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,849.37	474.85
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,309.07	640.98
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,661.45	712.19
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,999.82	854.63
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,527.64	1,281.95
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,469.57	984.46
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,928.15	1,230.58
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	8,473.31	1,599.74
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,346.57	2,091.97
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	24,069.51	2,830.32
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,886.78	276.88
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	2,246.39	276.88
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13)		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	1,098.73	
26 29 13 13-0504 Auxiliary Devices (26 29 13 13)		
26 29 13 13-0505 EA Normally Open, Auxiliary Contact	587.64	153.82
26 29 13 13-0506 EA Normally Closed, Auxiliary Contact.....	587.64	153.82
26 29 13 13-0507 EA Pilot Light Kit.....	615.89	153.82
26 29 23 Variable-Frequency Motor Controllers (26 29)		
26 29 23 00-0001 208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)		
Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	2,531.96	567.96
For 6-Pulse Drive Package, Deduct	-767.75	
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	2,842.77	620.75
For 6-Pulse Drive Package, Deduct	-883.86	
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	3,290.04	682.55
For 6-Pulse Drive Package, Deduct	-1,058.72	
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	3,444.51	656.08
For 6-Pulse Drive Package, Deduct	-1,172.79	
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	3,697.10	715.31
For 6-Pulse Drive Package, Deduct	-1,246.56	
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	3,976.53	715.31
For 6-Pulse Drive Package, Deduct	-1,400.25	
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	4,750.82	854.08
For 6-Pulse Drive Package, Deduct	-1,673.46	
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	5,154.43	854.08
For 6-Pulse Drive Package, Deduct	-1,895.45	
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	6,856.54	1,285.98
For 6-Pulse Drive Package, Deduct	-2,356.51	
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive	7,974.24	1,285.98
For 6-Pulse Drive Package, Deduct	-2,971.24	
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive	9,781.22	1,708.31
For 6-Pulse Drive Package, Deduct	-3,500.61	
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive	11,178.36	1,708.31
For 6-Pulse Drive Package, Deduct	-4,269.03	
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive	12,389.21	1,708.31
For 6-Pulse Drive Package, Deduct	-4,935.00	
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive	16,303.24	2,159.52
For 6-Pulse Drive Package, Deduct	-6,591.39	
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive	19,639.57	2,554.66
For 6-Pulse Drive Package, Deduct	-7,991.63	
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive	22,123.37	2,554.66
For 6-Pulse Drive Package, Deduct	-9,357.72	
26 29 23 00-0018 460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)		
Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive	5,893.68	1,021.90
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,117.44	
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive	6,079.97	1,021.90
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,219.90	
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive	6,688.58	1,217.60
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,339.43	
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive	6,719.63	1,217.60
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,356.51	
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive	9,094.13	1,845.93
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,971.24	
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive	9,528.80	1,845.93
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-3,210.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	11,545.49 -3,671.37	2,435.21
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	13,097.87 -4,525.17	2,435.21
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	14,712.34 -5,413.13	2,435.21
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	19,226.40 -7,171.97	3,093.30
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	25,468.27 -9,972.46	3,668.27
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	26,958.55 -10,792.11	3,668.27
26 29 23 00-0031 EA 100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	31,150.18 -12,636.33	4,087.58
26 29 23 00-0032 EA 125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	32,764.65 -13,524.29	4,087.58
26 29 23 00-0033 EA 150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	36,117.78 -15,368.51	4,087.58
26 29 23 00-0034 EA 200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	41,783.28 -17,554.26	4,933.23
26 29 23 00-0035 EA 250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	51,890.58 -22,871.08	5,153.40
26 29 23 00-0036 EA 300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	60,807.24 -26,939.30	5,913.34
26 29 23 00-0037 EA 350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	69,803.69 -31,337.42	6,413.21
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	80,704.94 -36,770.36	6,924.95
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	86,997.99 -39,588.60	7,509.35

26 29 33 Controllers for Fire Pump Drivers (26 29)

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers (26 29 33)

26 29 33 13-0001 Electric Controllers For Fire Pumps (26 29 33 13)

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (26 29 33 13-0001)

26 29 33 13-0003 EA 30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	33,981.21	307.06
26 29 33 13-0004 EA 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	38,473.05	341.18
26 29 33 13-0005 EA 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	40,334.88	375.30
26 29 33 13-0006 EA 75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	45,994.11	409.42
26 29 33 13-0007 EA 150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	48,590.62	477.65
26 29 33 13-0008 EA 175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	51,770.88	614.12
26 29 33 13-0009 EA 200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	56,111.78	682.36
26 29 33 13-0010 EA 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	64,174.98	777.88
26 29 33 13-0011 EA 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	77,358.38	839.30
26 29 33 13-0012 EA 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	90,919.33	955.30
26 29 33 13-0013 EA 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	108,499.71	1,023.54
26 29 33 13-0014 EA 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	122,501.87	1,091.77

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001 Rigid Photovoltaic Modules (26 31)

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0003 EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	2,238.48	146.13
<i>For >25 To 50, Deduct</i>	-160.58	
<i>For >50 To 100, Deduct</i>	-216.54	
<i>For >100, Deduct</i>	-321.16	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	2,343.98	146.13
		<i>For >25 To 50, Deduct</i>	-168.49	
		<i>For >50 To 100, Deduct</i>	-227.09	
		<i>For >100, Deduct</i>	-336.98	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	2,197.10	146.13
		<i>For >25 To 50, Deduct</i>	-157.48	
		<i>For >50 To 100, Deduct</i>	-212.40	
		<i>For >100, Deduct</i>	-314.95	
26 31 00 00-0006		Sharp Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,763.44	146.13
		<i>For >25 To 50, Deduct</i>	-124.95	
		<i>For >50 To 100, Deduct</i>	-169.04	
		<i>For >100, Deduct</i>	-249.90	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,998.92	146.13
		<i>For >25 To 50, Deduct</i>	-142.61	
		<i>For >50 To 100, Deduct</i>	-192.59	
		<i>For >100, Deduct</i>	-285.23	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	2,036.22	146.13
		<i>For >25 To 50, Deduct</i>	-145.41	
		<i>For >50 To 100, Deduct</i>	-196.32	
		<i>For >100, Deduct</i>	-290.82	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,919.65	146.13
		<i>For >25 To 50, Deduct</i>	-136.67	
		<i>For >50 To 100, Deduct</i>	-184.66	
		<i>For >100, Deduct</i>	-273.33	
26 31 00 00-0011		BP Solar Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
		Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	896.00	146.13
		<i>For >25 To 50, Deduct</i>	-59.89	
		<i>For >50 To 100, Deduct</i>	-82.29	
		<i>For >100, Deduct</i>	-119.79	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	1,094.18	146.13
		<i>For >25 To 50, Deduct</i>	-74.76	
		<i>For >50 To 100, Deduct</i>	-102.11	
		<i>For >100, Deduct</i>	-149.51	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	1,173.45	146.13
		<i>For >25 To 50, Deduct</i>	-80.70	
		<i>For >50 To 100, Deduct</i>	-110.04	
		<i>For >100, Deduct</i>	-161.40	
26 31 00 00-0015		Photovoltaic Inverters <small>(26 31)</small>		
26 31 00 00-0016		Fronius Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	5,264.63	153.82
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	6,926.88	153.82
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	7,308.78	153.82
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	8,165.60	153.82
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	12,898.25	153.82
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	14,984.44	153.82
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	12,267.75	307.65
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	15,497.13	307.65
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894).....	484.19	76.91
26 31 00 00-0026		SMA Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	3,923.86	153.82
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	4,698.97	153.82
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	5,421.32	153.82
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	5,972.78	153.82
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	5,787.02	153.82
26 31 00 00-0032		PVPowered Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	4,842.72	153.82
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	5,062.30	153.82
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	5,587.43	153.82
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	6,628.61	192.28
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	8,080.36	230.73
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	8,147.20	230.73
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	8,592.10	230.73
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	101,893.99	1,230.58
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	102,028.27	1,230.58
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	110,367.88	1,230.58
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	102,348.72	1,230.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0044	Solectria Photovoltaic Inverters <small>(26 31 00 00-0015)</small>	
26 31 00 00-0045 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,064.78	307.65
26 31 00 00-0046 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,064.78	307.65
26 31 00 00-0047 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	16,531.38	307.65
26 31 00 00-0048 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	16,531.38	307.65
26 31 00 00-0049 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	50,319.96	922.93
26 31 00 00-0050 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	47,986.98	922.93
26 31 00 00-0051 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	54,985.92	922.93
26 31 00 00-0052 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	53,689.82	922.93
26 31 00 00-0053 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	58,355.78	922.93
26 31 00 00-0054 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	55,763.58	922.93
26 31 00 00-0055 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	61,563.25	1,230.58
26 31 00 00-0056 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	58,711.84	1,230.58
26 31 00 00-0057 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	63,896.23	1,230.58
26 31 00 00-0058 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	60,526.38	1,230.58
26 31 00 00-0059	Xantrex Photovoltaic Inverters <small>(26 31 00 00-0015)</small>	
26 31 00 00-0060 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	681.35	38.46
26 31 00 00-0061 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210)	741.39	38.46
26 31 00 00-0062 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,182.60	38.46
26 31 00 00-0063	Photovoltaic DC-DC Converters <small>(26 31)</small>	
26 31 00 00-0064 EA 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	413.79	57.68
Note: Hazardous locations.		
26 31 00 00-0065 EA 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	283.23	57.68
26 31 00 00-0066 EA 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	749.53	57.68
26 31 00 00-0067	Photovoltaic Combiner Boxes <small>(26 31)</small>	
26 31 00 00-0068	Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>	
26 31 00 00-0069 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	527.81	153.82
26 31 00 00-0070 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	515.71	153.82
26 31 00 00-0071 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	815.26	230.73
26 31 00 00-0072 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	819.49	230.73
26 31 00 00-0073 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,211.70	230.73
26 31 00 00-0074	SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>	
26 31 00 00-0075 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,098.48	153.82
26 31 00 00-0076 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,304.53	153.82
26 31 00 00-0077 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,530.29	307.65
26 31 00 00-0078 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,667.49	307.65
26 31 00 00-0079 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	986.97	153.82
26 31 00 00-0080	Photovoltaic Charge Controller <small>(26 31)</small>	
26 31 00 00-0081 EA 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	334.52	57.68
26 31 00 00-0082 EA 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	439.44	57.68
26 31 00 00-0083 EA 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	509.38	57.68
26 31 00 00-0084 EA Remote Digital Meter For Xantrex C-35, 40 And 60	395.14	57.68
26 31 00 00-0085 EA MPPT Charge Controller (Xantrex XW SCC)	1,324.12	76.91
26 31 00 00-0086	Photovoltaic Batteries <small>(26 31)</small>	
26 31 00 00-0087	Concorde Photovoltaic Batteries <small>(26 31 00 00-0086)</small>	
26 31 00 00-0088 EA 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	297.71	23.07
26 31 00 00-0089 EA 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	375.97	30.76
26 31 00 00-0090 EA 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	406.48	30.76
26 31 00 00-0091 EA 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	469.62	46.15
26 31 00 00-0092 EA 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	532.51	46.15
26 31 00 00-0093 EA 89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	631.76	53.83
26 31 00 00-0094 EA 104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	724.46	61.53
26 31 00 00-0095 EA 108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	716.30	61.53
26 31 00 00-0096 EA 210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,299.09	73.07
26 31 00 00-0097 EA 255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,499.64	76.91
26 31 00 00-0098	Deka Photovoltaic Batteries <small>(26 31 00 00-0086)</small>	
26 31 00 00-0099 EA 31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	317.15	38.51
26 31 00 00-0100 EA 50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	431.40	38.51
26 31 00 00-0101 EA 74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	629.58	38.51
26 31 00 00-0102 EA 86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	718.17	38.51
26 31 00 00-0103 EA 98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	720.50	38.51

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0104 EA 183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,382.65	38.51
26 31 00 00-0105 EA 225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,597.15	38.51
26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)		
26 31 00 00-0107 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	356.69	38.46
26 31 00 00-0108 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,692.74	38.51
26 31 00 00-0109 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,592.49	38.51
26 31 00 00-0110 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	2,117.07	38.51
26 31 00 00-0111 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	951.32	38.51
26 31 00 00-0112 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,217.33	38.51
26 31 00 00-0113 Photovoltaic System Monitoring (26 31)		
26 31 00 00-0114 EA Solar Inverter Monitor (Xantrex 864-0203).....	751.15	76.91
26 31 00 00-0115 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	1,509.03	38.46
26 31 00 00-0116 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,263.12	38.46
26 31 00 00-0117 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	244.36	38.46
26 31 00 00-0118 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	597.46	76.91
26 31 00 00-0119 EA Sunny Boy Control with RS485 (SMA).....	1,484.55	38.46
26 31 00 00-0120 EA RS 485 Module (SMA).....	348.28	38.46
26 31 00 00-0121 EA RS 232 Module (SMA).....	356.69	38.46
26 31 00 00-0122 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	670.73	38.46
26 31 00 00-0123 EA Bluetooth Piggy-Back Computer Card (SMA).....	361.23	38.46
26 31 00 00-0124 EA RS485-N Communication Computer Card (SMA).....	358.88	38.46
26 31 00 00-0125 EA Bluetooth Repeater (SMA).....	665.53	38.46
26 31 00 00-0126 EA Sunny Boy PC Service Cable (SMA).....	313.78	11.54
26 31 00 00-0127 EA Integrated Revenue Grade Meter, Option (PVPowered).....	5,980.30	
26 31 00 00-0128 EA Data Monitoring Module (PVPowered PVM1010).....	664.15	38.46
26 31 00 00-0129 EA Wireless IG Personal Display (Fronius 4,240,108).....	680.96	
26 31 00 00-0130 EA DatCom Power Supply (Fronius 43,0001,2311).....	220.06	
26 31 00 00-0131 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	400.94	38.46
26 31 00 00-0132 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	341.25	38.46
26 31 00 00-0133 EA Datalogger Pro Box (Fronius 4,240,102).....	1,301.61	38.46
26 31 00 00-0134 EA Datalogger Easy Box (Fronius 4,240,103).....	851.29	38.46
26 31 00 00-0135 EA Datalogger Interface Box (Fronius 4,240,105).....	1,467.78	38.46
26 31 00 00-0136 EA Datalogger Web (Fronius 4,240,122).....	2,512.74	38.46
26 31 00 00-0137 EA Interface Box (Fronius 4,240,109).....	684.74	38.46
26 31 00 00-0138 EA Interface Card (Fronius 4,240,009,Z).....	492.35	38.46
26 31 00 00-0139 EA Interface Card Easy (Fronius 4,240,013,Z).....	329.14	38.46
26 31 00 00-0140 EA Sensor Box (Fronius 4,240,104).....	1,358.82	38.46
26 31 00 00-0141 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	162.37	38.46
26 31 00 00-0142 EA Irradiance Sensor (Fronius 43,0001,1188).....	480.50	38.46
26 31 00 00-0143 EA Module Temperature Sensor (Fronius 43,0001,1190).....	533.65	38.46
26 31 00 00-0144 EA Wind Speed Sensor (Fronius 42,0411,0027).....	301.71	76.91
26 31 00 00-0145 Photovoltaic System Accessories (26 31)		
26 31 00 00-0146 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	1,019.34	76.91
26 31 00 00-0147 EA Line Communication Filter (Enphase LCF).....	2,217.15	153.82
26 31 00 00-0148 EA 15 Meter RS 485 Communication Cable (SMA).....	169.95	11.54
26 31 00 00-0149 EA 15 Meter RS 232 Communication Cable (SMA).....	253.89	11.54
26 31 00 00-0150 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	40.18	3.81
26 31 00 00-0151 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	43.00	3.81
26 31 00 00-0152 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	44.59	3.81
26 31 00 00-0153 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	49.00	3.81
26 31 00 00-0154 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	55.61	3.81
26 31 00 00-0155 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	89.17	7.61
26 31 00 00-0156 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	109.68	7.61
26 31 00 00-0157 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	144.77	11.42
26 31 00 00-0158 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	50.10	3.81
26 31 00 00-0159 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	68.82	3.81
26 31 00 00-0160 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	102.39	7.61
26 31 00 00-0161 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	135.44	7.61
26 31 00 00-0162 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	221.31	15.23
26 31 00 00-0163 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	230.64	15.23
26 31 00 00-0164 EA Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	4,111.65	415.31
Note: Tamper proof enclosure.		
26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0166 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	14.93	3.85
26 31 00 00-0167 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	45.77	19.22
26 31 00 00-0168 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	56.15	19.22
26 31 00 00-0169 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	28.77	7.69
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	14.44	5.77
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171 EA Mounting Rail Grounding Lugs (UNIRAC 980012).....	29.25	7.69
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0172 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	8.02	2.56
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)..... Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	8.36	2.56
26 31 00 00-0174 EA Photovoltaic Module Mount L-Foot (UNIRAC 310065)	21.20	7.69
26 31 00 00-0175 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)..... Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	123.59	38.46
26 31 00 00-0176 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)..... Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	135.34	38.46
26 31 00 00-0177 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)..... Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	144.80	38.46
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	181.95	57.68
26 31 00 00-0179 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	217.20	57.68
26 31 00 00-0180 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	249.19	57.68
26 31 00 00-0181 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	279.16	76.91
26 31 00 00-0182 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	363.38	76.91
26 31 00 00-0183 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	513.40	115.36
26 31 00 00-0184 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351)	251.15	
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)..... Note: Excludes ballast.	463.85	
26 31 00 00-0186 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	100.11	38.46
26 31 00 00-0187 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	101.19	38.46
26 31 00 00-0188 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	102.18	38.46
26 31 00 00-0189 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	104.65	38.46
26 31 00 00-0190 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	93.56	38.46
26 31 00 00-0191 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	94.81	38.46
26 31 00 00-0192 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	98.45	38.46
26 31 00 00-0193 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	97.42	38.46
26 31 00 00-0194 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	186.52	57.68
26 31 00 00-0195 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	187.27	57.68
26 31 00 00-0196 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	189.49	57.68
26 31 00 00-0197 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	187.17	57.68
26 31 00 00-0198 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	35.90	7.69
26 31 00 00-0199 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	24.56	7.69
26 31 00 00-0200 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	45.53	11.54
26 31 00 00-0201 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	47.22	11.54
26 31 00 00-0202 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	12.95	2.56
26 31 00 00-0203 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	57.71	7.69
26 31 00 00-0204 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	3.28	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0804 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0783 for loadbank rental, 01 22 23 00-0804 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	32,798.22	1,290.54
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	<i>4,945.11</i>	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	<i>11,636.80</i>	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	<i>15,515.73</i>	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	<i>12,591.11</i>	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	<i>18,263.92</i>	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	<i>24,351.89</i>	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	34,897.61	1,588.98
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	36,040.10	1,742.24
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	42,153.18	2,000.34
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	45,390.28	2,298.77
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	53,233.54	2,694.01
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	57,212.80	3,129.57
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	58,738.99	3,710.31
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	64,915.93	4,089.41
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	68,146.22	4,565.30
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	72,322.39	5,000.85
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)	77,727.97	5,283.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)	80,916.79	5,500.93
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)	87,853.59	5,799.37
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)	89,868.82	6,057.48
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	100,918.05	6,775.35
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	108,493.25	7,420.62
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	121,967.56	7,993.30
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEL)	128,143.79	8,517.58
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	184,042.06	9,380.63
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	210,464.93	10,316.28
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	219,631.50	10,542.11
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	266,996.88	11,364.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	298,401.37	12,098.83
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 32 Packaged Generator Assemblies



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 32 13 19-0001	Natural Gas Or Propane Generator Sets (Cummins) ^(26 32 13 19)		
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0783 for loadbank rental, 01 22 23 00-0804 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.			
26 32 13 19-0002	EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	14,097.05	1,080.83
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,871.29	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	8,081.94	
26 32 13 19-0003	EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	15,917.56	1,290.54
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,871.29	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	8,081.94	
26 32 13 19-0004	EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	18,285.58	1,435.73
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,871.29	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	8,081.94	
26 32 13 19-0005	EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	20,671.22	1,588.98
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,778.95	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0006	EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	23,130.37	1,742.24
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,778.95	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0007	EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	25,032.21	1,879.35
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,778.95	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0008	EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	27,498.68	2,298.77
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,778.95	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0009	EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	29,544.26	2,573.02
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,497.66	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,636.80	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,515.73	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,778.95	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0010	EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	38,287.72	2,750.47
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,197.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,791.66	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	23,722.22	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,154.62	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0011	EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	45,929.84	3,097.30
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,197.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,791.66	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	23,722.22	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,154.62	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0012	EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIA).....	52,740.52	3,710.31
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,197.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,791.66	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	23,722.22	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,154.62	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0013	EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIB).....	62,404.80	4,089.41
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,197.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,791.66	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	23,722.22	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,154.62	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,127.14	
26 32 13 19-0014	EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	99,424.61	10,877.50
	For Weather Resistant Steel Natural Gas Generator Enclosure, Add	43,744.82	
	For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	48,424.11	
	For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	64,565.48	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	47,829.61	
	For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	71,773.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	112,645.55 43,744.82 48,424.11 64,565.48 47,829.61 71,773.24	4,912.12
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	121,228.66 43,744.82 48,424.11 64,565.48 47,829.61 71,773.24	5,500.93
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	156,010.32 43,744.82 48,424.11 64,565.48 47,829.61 71,773.24	6,057.48
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	167,589.16 43,744.82 48,424.11 64,565.48 47,829.61 71,773.24	6,775.35
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	234,346.11 95,518.52 101,487.71 135,316.95 108,492.50 153,337.53	7,993.30
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	298,829.10 95,518.52 101,487.71 135,316.95 108,492.50 153,337.53	8,517.58
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	333,961.90 95,518.52 101,487.71 135,316.95 108,492.50 153,337.53	8,977.34
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	379,785.42 95,518.52 101,487.71 135,316.95 108,492.50 153,337.53	9,380.63
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	397,028.10 95,518.52 101,487.71 135,316.95 108,492.50 153,337.53	9,735.53
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	419,964.93 95,518.52 101,487.71 135,316.95 108,492.50 153,337.53	10,405.00
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets <small>(26 32 13 19)</small>		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	4,863.69	707.48
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,072.47	786.09
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,979.74	864.70

26 32 29 Rotary Converters (26 32)

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output <small>(26 32 29)</small>		
26 32 29 00-0002 EA 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,891.07	307.65
26 32 29 00-0003 EA 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,024.74	307.65
26 32 29 00-0004 EA 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	15,894.83	307.65
26 32 29 00-0005 EA 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,019.02	307.65
26 32 29 00-0006 EA 15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	17,796.94	384.55
26 32 29 00-0007 EA 20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	19,262.97	384.55
26 32 29 00-0008 EA 25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	20,164.49	384.55
26 32 29 00-0009 EA 40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	24,570.39	507.62
26 32 29 00-0010 EA 50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	27,288.27	507.62

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output <small>(26 32 29)</small>		
26 32 29 00-0012 EA 3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,435.74	307.65
26 32 29 00-0013 EA 5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,616.21	307.65
26 32 29 00-0014 EA 10 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,558.75	307.65
26 32 29 00-0015 EA 10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,987.51	307.65
26 32 29 00-0016 EA 15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,121.32	384.55
26 32 29 00-0017 EA 20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,915.94	384.55
26 32 29 00-0018 EA 25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,568.91	384.55
26 32 29 00-0019 EA 40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	24,473.50	507.62
26 32 29 00-0020 EA 50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,952.16	507.62
26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC <small>(26 32 29)</small>		
26 32 29 00-0022 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	30,010.24	5,646.12
26 32 29 00-0023 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	33,406.92	5,646.12
26 32 29 00-0024 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	38,060.39	8,065.89
26 32 29 00-0025 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	44,257.80	8,065.89
26 32 29 00-0026 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	50,106.58	8,065.89
26 32 29 00-0027 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	59,021.75	12,098.83
26 32 29 00-0028 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	71,762.22	12,098.83
26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC <small>(26 32 29)</small>		
26 32 29 00-0030 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	103,533.38	16,131.78
26 32 29 00-0031 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	112,870.16	16,131.78
26 32 29 00-0032 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	135,713.60	20,971.32
26 32 29 00-0033 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	154,373.13	25,488.21
26 32 29 00-0034 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	182,607.77	25,488.21
26 32 29 00-0035 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	258,651.54	38,071.00
26 32 29 00-0036 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	268,119.93	38,071.00
26 32 29 00-0037 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	308,380.87	44,362.40
26 33 Battery Equipment <small>(26 30)</small>		
26 33 13 Batteries <small>(26 33)</small>		
26 33 13 00-0001 Standby Batteries <small>(26 33 13)</small>		
26 33 13 00-0002 EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,211.87	38.51
26 33 13 00-0003 EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,308.04	38.51
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	384.14	38.51
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	350.36	38.51
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	591.22	38.51
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	684.55	38.51
26 33 43 Battery Chargers <small>(26 33)</small>		
26 33 43 00-0001 Solid State Chargers, Single Phase <small>(26 33 43)</small>		
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,715.47	878.45
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,311.91	878.45
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,742.37	878.45
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	5,030.38	1,040.08
26 33 53 Static Uninterruptible Power Supply <small>(26 33)</small>		
26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0001)</small>		
26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	1,242.08	152.29
Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)	1,480.78	177.66
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)	1,814.26	203.04
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007 EA 1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120)	2,202.88	228.43
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008 EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)	2,799.82	253.80
Note: Includes 4 minutes of battery backup at full load.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0009 EA 3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,437.97	304.57
26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,360.10	304.57
26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,682.29	406.09
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	7,316.31	456.85
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,854.63	558.37
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	12,455.14	609.13
26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,480.78	177.66
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,814.26	203.04
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,225.88	228.43
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,805.37	253.80
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,455.25	304.57
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	6,422.24	406.09
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,856.97	456.85
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	12,083.39	609.13
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	775.58	46.15
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	1,009.50	46.15
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	983.46	46.15
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	674.81	46.15
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT) Note: Rack mount or tower configuration.	1,070.98	152.29
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT) Note: Rack mount or tower configuration.	1,224.80	203.04
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0034	208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery <small>(26 33 53 00-0033)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	41,937.62	609.13
26 33 53 00-0036	EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	46,523.34	812.18
26 33 53 00-0037	EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	52,077.47	1,015.22
26 33 53 00-0038	EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	56,566.36	1,218.27
26 33 53 00-0039	EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	68,027.72	1,421.31
26 33 53 00-0040	208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small> Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	92,528.52	2,422.69
26 33 53 00-0042	EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	100,995.15	2,999.52
26 33 53 00-0043	EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	111,830.02	3,499.44
26 33 53 00-0044	EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	137,680.68	3,960.90
26 33 53 00-0045	EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	143,189.33	4,422.36
26 33 53 00-0046	EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	148,766.20	4,883.83
26 33 53 00-0047	EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	155,505.14	5,345.29
26 33 53 00-0048	EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	162,244.08	5,806.76
26 33 53 00-0049	480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small> Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	86,297.93	1,999.68
26 33 53 00-0051	EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	112,411.06	3,514.82
26 33 53 00-0052	EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	153,111.09	4,060.88
26 33 53 00-0053	EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	180,026.99	4,460.82
26 33 53 00-0054	EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	210,235.46	4,922.29
26 33 53 00-0055	Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0056	EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	707.84	76.91
26 33 53 00-0057	EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	1,118.25	76.91
26 33 53 00-0058	EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	2,218.44	153.82
26 33 53 00-0059	EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	7,026.68	615.28
26 33 53 00-0060	EA 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	640.10	76.91
26 33 53 00-0061	EA 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	352.78	76.91
26 33 53 00-0062	EA 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	394.71	76.91
26 33 53 00-0063	EA 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	436.63	76.91
26 33 53 00-0064	EA 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	512.10	76.91
26 33 53 00-0065	EA 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	537.25	76.91
26 33 53 00-0066	EA 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	667.22	76.91
26 33 53 00-0067	EA 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	698.67	76.91
26 33 53 00-0068	Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>		
26 33 53 00-0069	EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	6,250.79	140.55
26 33 53 00-0070	EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,561.16	281.10
26 33 53 00-0071	EA 1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	35.39	8.44
26 33 53 00-0072	EA 2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	62.25	10.54
26 33 53 00-0073	EA 2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	113.71	10.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0074 EA 3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	166.03	14.06
26 33 53 00-0075 EA 3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	233.96	14.06
26 33 53 00-0076 EA Uninterrupted Power Supply Remote Status Panel.....	4,295.20	140.55
26 33 53 00-0077 EA Uninterrupted Power Supply Remote Contact Board.....	1,445.91	105.41

26 35 Power Filters and Conditioners (26 30)

26 35 33 Power Factor Correction Equipment (26 35)

26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)

26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)

26 35 33 16-0002 EA Power Factor Correction Capacitors, 2.0 KVAC.....	735.45	
26 35 33 16-0003 EA Power Factor Correction Capacitors, 3.0 KVAC.....	814.53	
26 35 33 16-0004 EA Power Factor Correction Capacitors, 4.0 KVAC.....	893.61	
26 35 33 16-0005 EA Power Factor Correction Capacitors, 5.0 KVAC.....	969.53	
26 35 33 16-0006 EA Power Factor Correction Capacitors, 7.5 KVAC.....	1,190.95	
26 35 33 16-0007 EA Power Factor Correction Capacitors, 10.0 KVAC.....	1,455.08	
26 35 33 16-0008 EA Power Factor Correction Capacitors, 15.0 KVAC.....	2,247.47	
26 35 33 16-0009 EA Power Factor Correction Capacitors, 20.0 KVAC.....	2,729.86	
26 35 33 16-0010 EA Power Factor Correction Capacitors, 25.0 KVAC.....	3,526.99	
26 35 33 16-0011 EA Power Factor Correction Capacitors, 30.0 KVAC.....	4,010.96	
26 35 33 16-0012 EA Power Factor Correction Capacitors, 50.0 KVAC.....	7,038.17	
26 35 33 16-0013 EA Power Factor Correction Capacitors, 75.0 KVAC.....	10,582.55	
26 35 33 16-0014 EA Power Factor Correction Capacitors, 100.0 KVAC.....	14,111.13	
26 35 33 16-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	654.79	

26 35 43 Static-Frequency Converters (26 35)

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)

26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	773.27	153.82
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,324.95	184.58
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,522.12	246.12
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,082.97	307.65
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,859.57	399.94
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,685.50	492.23
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,610.10	584.52
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,602.59	661.43
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,520.81	799.88
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,460.79	899.86
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,400.77	999.84
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,419.43	1,207.50
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,501.71	1,453.62
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	17,092.40	1,768.95
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,567.00	2,068.90
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	25,075.94	2,307.32
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	38,024.74	2,614.96
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	56,400.28	2,922.61

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	8,244.29	2,445.77
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	9,517.03	3,076.43
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	10,689.01	3,660.96

26 36 Transfer Switches (26 30)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002 EA 30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,484.83	269.19
26 36 13 00-0003 EA 60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,739.24	334.40

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)

26 36 13 00-0005 EA 40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,819.85	393.04
<i>For NEMA 3R Enclosure, Add</i>	1,193.86	
<i>For NEMA 12 Enclosure, Add</i>	1,123.62	
26 36 13 00-0006 EA 70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	4,239.75	471.66
<i>For NEMA 3R Enclosure, Add</i>	1,193.86	
<i>For NEMA 12 Enclosure, Add</i>	1,123.62	
26 36 13 00-0007 EA 125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	4,815.46	550.26
<i>For NEMA 3R Enclosure, Add</i>	1,193.86	
<i>For NEMA 12 Enclosure, Add</i>	1,123.62	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0008 EA 150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	5,967.66	628.87
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0009 EA 225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	7,371.72	707.48
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0010 EA 260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	8,286.10	786.09
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0011 EA 300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	9,214.63	864.70
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0012 EA 400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	10,803.74	943.31
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0013 EA 600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	14,274.38	1,179.13
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0014 EA 800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	16,077.49	1,414.96
For NEMA 3R Enclosure, Add	2,036.56	
For NEMA 12 Enclosure, Add	1,966.35	
26 36 13 00-0015 EA 1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	21,341.46	1,935.81
For NEMA 3R Enclosure, Add	2,036.56	
For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 Automatic Transfer Switches (26 36)		
26 36 23 00-0001 Automatic Transfer Switch (26 36 23)		
26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001) Note: Programmable, 120/240 volt single phase, 3 wire.		
26 36 23 00-0003 EA 100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,491.01	550.26
26 36 23 00-0004 EA 225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,740.86	707.48
26 36 23 00-0005 EA 400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,499.09	943.31
26 36 23 00-0006 EA 600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	12,124.00	1,179.13
26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001) Note: Programmable, 120/240 volt single phase, 3 wire.		
26 36 23 00-0008 EA 40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	5,656.07	393.04
For NEMA 3R Enclosure, Add	1,193.86	
For NEMA 4 Enclosure, Add	1,264.08	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0009 EA 70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	6,533.08	471.66
For NEMA 3R Enclosure, Add	1,193.86	
For NEMA 4 Enclosure, Add	1,264.08	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0010 EA 125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	7,187.34	550.26
For NEMA 3R Enclosure, Add	1,193.86	
For NEMA 4 Enclosure, Add	1,264.08	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0011 EA 150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	8,545.95	628.87
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 4 Enclosure, Add	1,825.89	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0012 EA 225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	9,756.49	707.48
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 4 Enclosure, Add	1,825.89	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0013 EA 260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	10,767.44	786.09
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 4 Enclosure, Add	1,825.89	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0014 EA 300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	11,258.16	864.70
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 4 Enclosure, Add	1,966.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0015 EA 400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	12,726.23	943.31
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 4 Enclosure, Add	1,966.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0016 EA 600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	17,421.44	1,179.13
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 4 Enclosure, Add	1,966.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0017 EA 800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	19,552.91	1,414.96
For NEMA 3R Enclosure, Add	2,036.56	
For NEMA 4 Enclosure, Add	2,247.26	
For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 00-0018 EA 1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	25,404.05	1,935.81
For NEMA 3R Enclosure, Add	2,036.56	
For NEMA 4 Enclosure, Add	2,247.26	
For NEMA 12 Enclosure, Add	1,966.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0019 EA 1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	32,927.17 4,494.50 2,528.16 2,106.80	2,097.13
26 36 23 00-0020 EA 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	35,124.11 7,303.55 8,988.98 7,303.55	2,419.76
26 36 23 00-0021 EA 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	40,157.53 7,303.55 8,988.98 7,303.55	2,742.40
26 36 23 00-0022 EA 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000) <i>For NEMA 3R Enclosure, Add</i>	48,508.00 7,303.55	3,387.67
26 36 23 00-0023 EA 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000) <i>For NEMA 3R Enclosure, Add</i>	84,002.88 13,539.65	4,032.94
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	28,297.12 2,457.94 2,528.16 1,334.32	2,987.14
26 36 23 00-0026 EA 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	29,541.49 2,457.94 2,528.16 1,334.32	3,144.36
26 36 23 00-0027 EA 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	30,968.56 2,457.94 2,528.16 1,334.32	3,301.58
26 36 23 00-0028 EA 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	34,536.51 2,457.94 2,528.16 1,334.32	3,380.19
26 36 23 00-0029 EA 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	39,820.09 2,457.94 2,528.16 1,334.32	3,458.80
26 36 23 00-0030 EA 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	47,763.65 2,457.94 2,528.16 1,404.54	3,616.02
26 36 23 00-0031 EA 800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	52,635.77 2,528.16 2,528.16 1,544.99	3,773.23
26 36 23 00-0032 EA 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	66,106.44 2,528.16 2,528.16 1,544.99	4,402.10
26 36 23 00-0033 EA 1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	86,391.41 11,236.23 14,045.28 11,236.23	4,839.53
26 36 23 00-0034 EA 1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	112,652.17 23,876.97 23,876.97 22,247.72	5,162.17
26 36 23 00-0035 EA 2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	127,901.58 23,876.97 23,876.97 22,247.72	5,646.12
26 36 23 00-0036 EA 3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)..... <i>For NEMA 3R Enclosure, Add</i>	204,429.38 29,495.07	6,452.72
26 36 23 00-0037 EA 4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)..... <i>For NEMA 3R Enclosure, Add</i>	220,674.46 29,495.07	7,259.30
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	9,199.73 702.27 1,264.08	393.04

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0040 EA 70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	9,954.43	471.66
For NEMA 3R Enclosure, Add	702.27	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0041 EA 125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	10,707.84	550.26
For NEMA 3R Enclosure, Add	702.27	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0042 EA 150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	12,855.78	628.87
For Four Pole Circuit Breaker, Add	3,511.32	
For NEMA 3R Enclosure, Add	702.27	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0043 EA 225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	16,726.64	707.48
For Four Pole Circuit Breaker, Add	3,511.32	
For NEMA 3R Enclosure, Add	702.27	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0044 EA 250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	17,812.28	786.09
For Four Pole Circuit Breaker, Add	3,511.32	
For NEMA 3R Enclosure, Add	702.27	
For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0045 EA 300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	18,529.64	864.70
For Four Pole Circuit Breaker, Add	4,775.40	
For NEMA 3R Enclosure, Add	1,825.89	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0046 EA 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	20,964.74	943.31
For Four Pole Circuit Breaker, Add	4,775.40	
For NEMA 3R Enclosure, Add	1,825.89	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0047 EA 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	25,442.34	1,179.13
For Four Pole Circuit Breaker, Add	4,775.40	
For NEMA 3R Enclosure, Add	1,825.89	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0048 EA 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	26,526.92	1,414.96
For Four Pole Circuit Breaker, Add	6,811.96	
For NEMA 3R Enclosure, Add	3,146.15	
For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 00-0049 EA 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	31,430.35	1,935.81
For Four Pole Circuit Breaker, Add	6,811.96	
For NEMA 3R Enclosure, Add	3,146.15	
For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 00-0050 Accessories ^(26 36 23)		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch.....	325.86	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch.....	2,668.61	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch.....	969.13	

26 40 Electrical And Cathodic Protection ⁽²⁶⁾**26 43 Surge Protective Devices ^(26 40)****26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits ^(26 43)**

26 43 13 00-0001	25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0002 EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	249.51	38.46
26 43 13 00-0003 EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	267.02	38.46
26 43 13 00-0004 EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	282.40	46.15
26 43 13 00-0005 EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	229.12	30.76
26 43 13 00-0006 EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	282.40	46.15
26 43 13 00-0007	50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0008 EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	335.80	38.46
26 43 13 00-0009 EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	361.19	46.15
26 43 13 00-0010 EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	345.81	38.46
26 43 13 00-0011 EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	361.19	46.15
26 43 13 00-0012	100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0013 EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	400.84	38.46
26 43 13 00-0014 EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	426.23	46.15
26 43 13 00-0015 EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	370.45	30.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 43	13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	426.23	46.15
26 43	13 00-0017	100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)				
				Note: Liebert LPM		
	26 43	13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	468.38	38.46
	26 43	13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	530.03	46.15
	26 43	13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	439.24	30.76
26 43	13 00-0021	160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)				
				Note: Liebert LPM		
	26 43	13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	811.44	46.15
	26 43	13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	796.06	38.46
	26 43	13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	811.44	46.15
26 43	13 00-0025	250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)				
				Note: Liebert Interceptor Hybrid.		
	26 43	13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	7,920.01	76.91
	26 43	13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	9,680.89	76.91
26 43	13 00-0028	Class 1310 Transient Voltage Surge Suppression (26 43 13)				
				Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43	13 00-0029	NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0029)				
				Note: Square D. EMA series.		
	26 43	13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,781.41	199.97
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,177.62	230.73
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,057.43	269.19
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,024.14	307.65
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,851.74	423.01
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,939.83	199.97
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,351.66	230.73
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,326.30	269.19
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,373.33	307.65
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,390.60	423.01
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,939.83	199.97
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,351.66	230.73
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,326.30	269.19
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,373.33	307.65
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,390.60	423.01
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,098.29	199.97
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,527.93	230.73
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	
	26 43	13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,597.39	269.19
				For Integral Disconnect, Add	265.68	
				For Surge Counter, Add	203.04	

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,724.86	307.65
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,931.64	423.01
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,282.37	199.97
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,710.96	230.73
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,880.76	269.19
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,093.01	307.65
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,732.46	423.01
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor (26 <small>43 13 00-0028</small>)		
Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,978.21	199.97
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,590.87	230.73
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,216.26	269.19
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,068.57	199.97
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,724.74	230.73
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,391.41	269.19
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,068.57	199.97
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,724.74	230.73
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,391.41	269.19
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,183.48	199.97
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,868.66	230.73
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,615.64	269.19
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,303.98	199.97
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,021.50	230.73
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,851.04	269.19
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)		
Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,835.67	199.97
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,231.89	230.73
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,111.69	269.19
<i>For Integral Disconnect, Add</i>	265.68	
<i>For Surge Counter, Add</i>	203.04	



Electrical	26
Electrical And Cathodic Protection	26 40
Surge Protective Devices	26 43

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,994.10 265.68 203.04	199.97
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,405.92 265.68 203.04	230.73
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,380.57 265.68 203.04	269.19
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,994.10 265.68 203.04	199.97
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,405.92 265.68 203.04	230.73
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,380.50 265.68 203.04	269.19
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,152.56 265.68 203.04	199.97
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,582.20 265.68 203.04	230.73
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,651.66 265.68 203.04	269.19
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,336.64 265.68 203.04	199.97
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,765.22 265.68 203.04	230.73
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,935.03 265.68 203.04	269.19
26 43 13 00-0087		NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
		Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,032.47 265.68 203.04	199.97
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,645.13 265.68 203.04	230.73
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,270.52 265.68 203.04	269.19
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,122.83 265.68 203.04	199.97
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,779.01 265.68 203.04	230.73
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,445.67 265.68 203.04	269.19
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,122.83 265.68 203.04	199.97
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,779.01 265.68 203.04	230.73
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,445.67 265.68 203.04	269.19
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,237.75 265.68 203.04	199.97
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,922.92 265.68 203.04	230.73
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,669.91 265.68 203.04	269.19
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,358.24 265.68 203.04	199.97
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,075.76 265.68 203.04	230.73
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,905.30 265.68 203.04	269.19

26	26	Electrical
	26 40	Electrical And Cathodic Protection
	26 43	Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

26 43 23 Surge Protective Devices for Lightning Protection (26 43)

26 43 23 00-0001	Surge And Lightning Arrestors (26 43 23)	
26 43 23 00-0002	Metal Top Intermediate Type IMX (26 43 23 00-0001)	
<i>Note: For outdoor construction, single phase.</i>		
26 43 23 00-0003 EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,354.56 334.87
26 43 23 00-0004 EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,461.09 334.87
26 43 23 00-0005 EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,461.09 334.87
26 43 23 00-0006 EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,658.93 334.87
26 43 23 00-0007 EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,658.93 334.87
26 43 23 00-0008 EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,823.29 334.87
26 43 23 00-0009 EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,823.29 334.87
26 43 23 00-0010 EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,477.69 418.58
26 43 23 00-0011 EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,562.92 418.58
26 43 23 00-0012 EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,827.19 502.30
26 43 23 00-0013 EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,046.34 502.30
26 43 23 00-0014 EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,597.24 502.30

26 43 23 00-0015 Porcelain Top Intermediate Type IMX (26 43 23 00-0001)

<i>Note: For cubicle mounting, single phase.</i>		
26 43 23 00-0016 EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,354.56 334.87
26 43 23 00-0017 EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,461.09 334.87
26 43 23 00-0018 EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,461.09 334.87
26 43 23 00-0019 EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,658.93 334.87
26 43 23 00-0020 EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,658.93 334.87
26 43 23 00-0021 EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,823.29 334.87
26 43 23 00-0022 EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,823.29 334.87
26 43 23 00-0023 EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,477.69 418.58
26 43 23 00-0024 EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,562.92 418.58
26 43 23 00-0025 EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,827.19 502.30
26 43 23 00-0026 EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	3,046.34 502.30
26 43 23 00-0027 EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	3,597.24 502.30

26 43 23 00-0028 IMX Accessories (26 43 23 00-0001)

26 43 23 00-0029 EA	1 Crossarm Bracket Reversible 3-27 KV IMX.....	1,135.42 334.87
26 43 23 00-0030 EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	1,123.25 334.87
26 43 23 00-0031 EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	1,032.06 334.87

26 43 23 00-0032 Lightning Arrestor And Cutouts (26 43 23 00-0001)

26 43 23 00-0033 EA	3 KV La Distribution Class, Lightning Arrestor	794.53 334.87
26 43 23 00-0034 EA	3 KV La Interior Class, Lightning Arrestor.....	1,435.65 334.87
26 43 23 00-0035 EA	3 KV La Station Class, Lightning Arrestor.....	1,354.56 334.87
26 43 23 00-0036 EA	9 KV La Distribution Class, Lightning Arrestor.....	861.49 334.87
26 43 23 00-0037 EA	9 KV La Interior Class, Lightning Arrestor.....	1,613.15 334.87
26 43 23 00-0038 EA	9 KV La Station Class, Lightning Arrestor.....	1,658.93 334.87
26 43 23 00-0039 EA	5 KV Enclosed Fused Cutout.....	965.58 334.87
26 43 23 00-0040 EA	15 KV Open Fused Cutout.....	1,059.35 418.58
26 43 23 00-0041 EA	18 KV La Distribution Class, Lightning Arrestor.....	826.27 334.87
26 43 23 00-0042 EA	18 KV La Interior Class, Lightning Arrestor.....	1,708.03 334.87

26 50 Lighting (26)

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)

26 51 13 Incandescent Interior Lighting (26 51)

26 51 13 00-0001	Recessed Fixtures (26 51 13)	
<i>Note: Housing and trim priced separately.</i>		
26 51 13 00-0002	Incandescent, Recessed Fixture Housings (26 51 13 00-0001)	
26 51 13 00-0003 EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	99.41 44.00
		<i>For ICAT Housing, Add</i>
		4.29
26 51 13 00-0004 EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	99.41 44.00
		<i>For ICAT Housing, Add</i>
		4.29
26 51 13 00-0005 EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	105.36 46.15
		<i>For ICAT Housing, Add</i>
		4.66
26 51 13 00-0006 EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	111.48 48.14
		<i>For ICAT Housing, Add</i>
		5.05
26 51 13 00-0007 EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	117.63 50.15
		<i>For ICAT Housing, Add</i>
		5.45
26 51 13 00-0008 EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing.....	120.48 53.22
		<i>For ICAT Housing, Add</i>
		5.22



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0009 Recessed Fixture Trim <small>(26 51 13 00-0001)</small>		
26 51 13 00-0010 EA Circular, Recessed Fixture Trim	73.47	21.54
26 51 13 00-0011 EA Circular Clear Lens, Recessed Fixture Trim	81.01	21.54
26 51 13 00-0012 EA Open/Baffle, Recessed Fixture Trim	94.07	21.54
26 51 13 00-0013 EA Specular Reflector, Recessed Fixture Trim	101.00	21.54
26 51 13 00-0014 EA Eyeball, Recessed Fixture Trim	81.12	21.54
26 51 13 00-0015 EA 10" To 12" Square, Clear Lens, Recessed Fixture Trim	77.07	21.54
26 51 13 00-0016 EA 10" To 12" Square, Drop Dish, Recessed Fixture Trim	81.71	21.54
26 51 13 00-0017 Track Lighting <small>(26 51 13)</small>		
26 51 13 00-0018 Track Lighting Tracks <small>(26 51 13 00-0017)</small>		
26 51 13 00-0019 LF 1 Circuit Track Lighting Track	26.98	10.15
26 51 13 00-0020 LF 2 Circuit Track Lighting Track	34.29	10.15
26 51 13 00-0021 LF 3 Circuit Track Lighting Track	40.58	10.15
26 51 13 00-0022 LF 4 Circuit Track Lighting Track	46.89	12.30
26 51 13 00-0023 Incandescent Track Lighting Fixtures <small>(26 51 13 00-0017)</small>		
26 51 13 00-0024 EA Incandescent Track Lighting Fixture, 120 Volt	94.41	25.68
26 51 13 00-0025 EA Par 20 Track Fixture, White Or Black Finish, 120 Volt	67.06	25.68
26 51 13 00-0026 EA Par 30 Track Fixture, White Or Black Finish, 120 Volt	89.15	25.68
26 51 13 00-0027 EA Par 38 Track Fixture, White Or Black Finish, 120 Volt	91.34	25.68
26 51 13 00-0028 EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	77.06	25.68
26 51 13 00-0029 EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	67.06	25.68
26 51 13 00-0030 EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	76.01	25.68
Note: 120V.		
26 51 13 00-0031 EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	93.53	25.68
26 51 13 00-0032 Track Lighting Accessories <small>(26 51 13 00-0017)</small>		
26 51 13 00-0033 Pendant Mounting <small>(26 51 13 00-0032)</small>		
26 51 13 00-0034 EA Track Lighting Pendant Mounting, Up to 12"	31.72	
26 51 13 00-0035 EA Track Lighting Pendant Mounting, >12" To 24"	39.71	
26 51 13 00-0036 EA Track Lighting Pendant Mounting, >24" To 36"	48.07	
26 51 13 00-0037 Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
26 51 13 00-0038 Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0037)</small>		
26 51 13 00-0039 EA 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	150.15	61.53
<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0040 EA 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	168.41	61.53
<i>For Wall Mounted, Add</i>	5.10	
26 51 16 Fluorescent Interior Lighting <small>(26 51)</small>		
26 51 16 00-0001 Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0003 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0004 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	204.92	43.99
26 51 16 00-0005 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	228.91	43.99
26 51 16 00-0006 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0007 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	230.55	45.82
26 51 16 00-0008 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	256.79	45.82
26 51 16 00-0009 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0010 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	274.33	51.44
26 51 16 00-0011 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	323.24	51.44
26 51 16 00-0012 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	377.08	51.44
26 51 16 00-0013 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0014 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	226.83	56.22
26 51 16 00-0015 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	260.24	56.22
26 51 16 00-0016 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0017 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	351.03	65.50
26 51 16 00-0018 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	376.61	65.50
26 51 16 00-0019 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	425.45	65.50



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 16 00-0020	Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001) Note: Includes prismatic lens.		
26 51 16 00-0021	1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0022	EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	272.85	51.02
26 51 16 00-0023	EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	436.38	51.02
26 51 16 00-0024	EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	496.08	51.02
26 51 16 00-0025	2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0026	EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	421.42	56.22
26 51 16 00-0027	EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	459.07	56.22
26 51 16 00-0028	EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	486.20	56.22
26 51 16 00-0029	2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0030	EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	429.34	65.50
26 51 16 00-0031	EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	469.45	65.50
26 51 16 00-0032	EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	491.48	65.50
26 51 16 00-0033	EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	524.93	65.50
26 51 16 00-0034	4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0035	EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	841.43	84.33
26 51 16 00-0036	EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	854.69	84.33
26 51 16 00-0037	EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	636.52	84.33
26 51 16 00-0038	Recessed Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0039	Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0040	1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0041	EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	377.59	43.99
	For Drywall Or Plaster Ceilings, Add	29.73	
26 51 16 00-0042	1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0043	EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	497.30	51.02
	For Drywall Or Plaster Ceilings, Add	34.79	
26 51 16 00-0044	EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	918.41	51.02
	For Drywall Or Plaster Ceilings, Add	34.79	
26 51 16 00-0045	2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0046	EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	504.23	56.22
	For Drywall Or Plaster Ceilings, Add	37.95	
26 51 16 00-0047	EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	578.67	56.22
	For Drywall Or Plaster Ceilings, Add	37.95	
26 51 16 00-0048	EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	584.37	56.22
	For Drywall Or Plaster Ceilings, Add	37.96	
26 51 16 00-0049	EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	629.59	56.22
	For Drywall Or Plaster Ceilings, Add	37.95	
26 51 16 00-0050	2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0051	EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	485.32	65.50
	For Drywall Or Plaster Ceilings, Add	44.28	
26 51 16 00-0052	EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	683.05	65.50
	For Drywall Or Plaster Ceilings, Add	44.28	
26 51 16 00-0053	EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	689.68	65.50
	For Drywall Or Plaster Ceilings, Add	44.28	
26 51 16 00-0054	EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	769.09	65.50
	For Drywall Or Plaster Ceilings, Add	44.28	
26 51 16 00-0055	EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	657.69	65.50
	For Drywall Or Plaster Ceilings, Add	44.28	
26 51 16 00-0056	EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	906.38	65.50
	For Drywall Or Plaster Ceilings, Add	44.28	
26 51 16 00-0057	EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	922.19	65.50
	For Drywall Or Plaster Ceilings, Add	44.28	
26 51 16 00-0058	Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0059	1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0060	EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	445.41	43.99
	For Drywall Or Plaster Ceilings, Add	29.73	
26 51 16 00-0061	EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	451.09	43.99
	For Drywall Or Plaster Ceilings, Add	29.73	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0062	EA		3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	530.27 29.73	43.99
26 51 16 00-0063			1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0064	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	507.47 34.79	51.02
26 51 16 00-0065	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	514.10 34.79	51.02
26 51 16 00-0066	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	581.11 34.79	51.02
26 51 16 00-0067			2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0068	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	520.20 37.96	56.22
26 51 16 00-0069	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	525.88 37.96	56.22
26 51 16 00-0070	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	603.85 37.96	56.22
26 51 16 00-0071			2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0072	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	485.32 44.28	65.50
26 51 16 00-0073	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	569.42 44.28	65.50
26 51 16 00-0074	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	649.26 44.28	65.50
26 51 16 00-0075	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	736.02 44.28	65.50
26 51 16 00-0076			Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0077			1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0078	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	968.41 34.79	51.02
26 51 16 00-0079	EA		2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	975.04 34.79	51.02
26 51 16 00-0080	EA		1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,151.41 34.79	51.02
26 51 16 00-0081	EA		2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,167.22 34.79	51.02
26 51 16 00-0082			2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0083	EA		2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	763.35 37.95	56.22
26 51 16 00-0084	EA		3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	852.56 37.95	56.22
26 51 16 00-0085	EA		2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,045.91 37.95	56.22
26 51 16 00-0086			2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0087	EA		2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	856.48 44.28	65.50
26 51 16 00-0088	EA		3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,061.56 44.28	65.50
26 51 16 00-0089	EA		1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,130.97 44.28	65.50
26 51 16 00-0090	EA		2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,241.78 44.28	65.50
26 51 16 00-0091			Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0092			1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0093	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	753.53 34.79	51.02
26 51 16 00-0094	EA		2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,003.23 34.79	51.02
26 51 16 00-0095			2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0096	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	750.59 37.95	56.22
26 51 16 00-0097	EA		2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	862.23 37.95	56.22

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0098 2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0099 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	833.64 44.28	65.50
26 51 16 00-0100 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	835.50 44.28	65.50
26 51 16 00-0101 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0102 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0103 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	697.66 34.79	51.02
26 51 16 00-0104 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0105 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	667.62 37.95	56.22
26 51 16 00-0106 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0107 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	809.26 44.28	65.50
26 51 16 00-0108 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	631.57 44.28	65.50
26 51 16 00-0109 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	928.81 44.28	65.50
26 51 16 00-0110 Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0111 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0112 EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	663.74 34.79	51.02
26 51 16 00-0113 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0114 EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	666.81 37.95	56.22
26 51 16 00-0115 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0116 EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	828.30 44.28	65.50
26 51 16 00-0117 EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	841.55 44.28	65.50
26 51 16 00-0118 EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	862.22 44.28	65.50
26 51 16 00-0119 Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0120 1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0121 EA 1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	278.26	42.16
26 51 16 00-0122 EA 2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	343.37	42.16
26 51 16 00-0123 EA 3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	336.77	46.80
26 51 16 00-0124 EA 4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	343.68	51.44
26 51 16 00-0125 EA 8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	420.12	60.93
26 51 16 00-0126 2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0127 EA 2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	341.38	46.80
26 51 16 00-0128 EA 3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	350.57	51.44
26 51 16 00-0129 EA 4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	357.34	56.22
26 51 16 00-0130 3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0131 EA 2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	505.08	46.80
26 51 16 00-0132 EA 3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	485.95	51.44
26 51 16 00-0133 EA 4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	492.61	56.22
26 51 16 00-0134 Display Case Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0135 EA 1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	191.31	46.15
26 51 16 00-0136 EA 1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	254.71	46.15
26 51 16 00-0137 EA 1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	275.32	53.83
26 51 16 00-0138 EA 1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	284.23	53.83
26 51 16 00-0139 Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0140 1 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0141 EA 2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	405.85	42.16
26 51 16 00-0142 EA 4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	428.01	51.44
26 51 16 00-0143 EA 8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	794.01	65.50
26 51 16 00-0144 2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0145 EA 2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	418.55	46.80
26 51 16 00-0146 EA 4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	441.70	56.22
26 51 16 00-0147 EA 8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	807.28	65.50
26 51 16 00-0148 3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0149 EA 2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	435.25	46.80
26 51 16 00-0150 EA 4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	456.60	56.22
26 51 16 00-0151 EA 8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	695.60	65.50
26 51 16 00-0152 4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0153 EA 4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	631.91	56.22
26 51 16 00-0154 EA 8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	929.35	65.50
26 51 16 00-0155 Flanged Fluorescent Fixture (26 51 16 00-0001)		
Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	594.27	84.33
26 51 16 00-0157 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	711.15	84.33
26 51 16 00-0158 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	717.78	84.33
26 51 16 00-0159 Undercabinet Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0160 EA 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	216.13	37.95
26 51 16 00-0161 EA 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	251.34	46.38
26 51 16 00-0162 EA 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	247.15	46.38
26 51 16 00-0163 EA 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	299.38	50.60
26 51 16 00-0164 EA 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	348.03	59.03
26 51 16 00-0165 Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001)		
Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166 2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0167 EA 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	271.23	42.16
26 51 16 00-0168 EA 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	301.21	42.16
26 51 16 00-0169 3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0170 EA 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	308.56	44.27
26 51 16 00-0171 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	337.17	44.27
26 51 16 00-0172 4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0173 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	304.76	46.38
26 51 16 00-0174 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	334.36	46.38
26 51 16 00-0175 Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0176 Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0175)		
Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		
26 51 16 00-0178 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	266.82	70.75
26 51 16 00-0179 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	271.66	70.75
26 51 16 00-0180 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		
26 51 16 00-0181 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	341.13	70.75
26 51 16 00-0182 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	347.90	70.75
26 51 16 00-0183 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0184 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	352.64	70.75
26 51 16 00-0185 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	357.48	70.75
26 51 16 00-0186 Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0175) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0188 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	688.21	70.75
26 51 16 00-0189 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	693.06	70.75
26 51 16 00-0190 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0191 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	542.77	70.75
26 51 16 00-0192 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	549.53	70.75
26 51 16 00-0193 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0194 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	625.19	70.75
26 51 16 00-0195 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	630.03	70.75
26 51 16 00-0196 Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0175) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0198 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	256.16	70.75
26 51 16 00-0199 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	261.00	70.75
26 51 16 00-0200 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0201 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	258.08	70.75
26 51 16 00-0202 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	264.84	70.75
26 51 16 00-0203 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0204 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	247.99	70.75
26 51 16 00-0205 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	252.83	70.75
26 51 16 00-0206 Low Occupancy, Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0207 EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	299.42	51.44
26 51 16 00-0208 EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	306.45	56.22
26 51 16 00-0209 Ceiling Mounted Fluorescent Fixtures (26 51 16)		
26 51 16 00-0210 Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0211 Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0210)		
26 51 16 00-0212 EA 6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	229.29	61.53
26 51 16 00-0213 EA 9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	276.15	61.53
26 51 16 00-0214 Ceiling Mounted, Circline Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0215 Exposed Lamps, Circline Fluorescent Fixtures (26 51 16 00-0214)		
26 51 16 00-0216 EA 8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	187.91	61.53
26 51 16 00-0217 EA 12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	205.52	61.53
26 51 16 00-0218 Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 16 00-0214)		
26 51 16 00-0219 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	291.40	61.53
26 51 16 00-0220 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	420.38	61.53
26 51 16 00-0221 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	509.76	61.53
26 51 16 00-0222 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	333.18	61.53
26 51 16 00-0223 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	423.03	61.53
26 51 16 00-0224 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	509.76	61.53
26 51 16 00-0225 Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0226 Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0227 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	295.66	61.53
26 51 16 00-0228 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	389.70	61.53
26 51 16 00-0229 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	470.00	61.53
26 51 16 00-0230 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	235.21	61.53
26 51 16 00-0231 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	284.41	61.53



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0232 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	377.65	61.53
26 51 16 00-0233 Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 16 00-0209)</small>		
26 51 16 00-0234 Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 16 00-0233)</small>		
26 51 16 00-0235 EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	476.26	50.55
26 51 16 00-0236 Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 16 00-0233)</small>		
26 51 16 00-0237 EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	547.59	50.55
26 51 16 00-0238 EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	777.71	50.55
26 51 16 00-0239 Pendant Mounted, Horizontal Indirect Fluorescent Fixtures <small>(26 51 16 00-0209)</small>		
26 51 16 00-0240 EA 1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	316.91	50.55
26 51 16 00-0241 EA 2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	334.87	50.55
26 51 16 00-0242 EA 3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	397.64	50.55
26 51 16 00-0243 EA 2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	414.32	50.55
26 51 16 00-0244 EA 4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	490.97	50.55
26 51 16 00-0245 EA 6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	581.89	50.55
26 51 16 00-0246 Finelite Fluorescent Fixtures <small>(26 51 16 00-0209)</small>		
26 51 16 00-0247 Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 16 00-0246)</small>		
26 51 16 00-0248 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	536.05	71.68
26 51 16 00-0249 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	533.86	71.68
26 51 16 00-0250 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	575.79	71.68
26 51 16 00-0251 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	641.07	71.68
26 51 16 00-0252 EA 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	699.76	71.68
26 51 16 00-0253 EA 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	855.54	71.68
26 51 16 00-0254 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	757.58	74.76
26 51 16 00-0255 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	779.68	74.76
26 51 16 00-0256 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	863.55	74.76
26 51 16 00-0257 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	826.40	74.76
26 51 16 00-0258 EA 4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,032.04	74.76
26 51 16 00-0259 EA 6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,211.21	74.76
26 51 16 00-0260 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	996.78	77.84
26 51 16 00-0261 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,034.33	77.84
26 51 16 00-0262 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,142.50	77.84
26 51 16 00-0263 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,144.13	77.84
26 51 16 00-0264 EA 6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,408.47	77.84
26 51 16 00-0265 EA 9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,681.63	77.84
26 51 16 00-0266 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 16 00-0246)</small>		
26 51 16 00-0267 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	543.49	71.68
26 51 16 00-0268 EA 1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	590.68	71.68
26 51 16 00-0269 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	589.03	71.68
26 51 16 00-0270 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	791.99	74.76
26 51 16 00-0271 EA 2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	846.57	74.76
26 51 16 00-0272 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	843.26	74.76
26 51 16 00-0273 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,040.51	77.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0274 EA 3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,182.07	77.84
26 51 16 00-0275 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,177.11	77.84
26 51 16 00-0276 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) (26 51 16 00-0246)		
26 51 16 00-0277 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	418.57	71.68
26 51 16 00-0278 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	440.46	71.68
26 51 16 00-0279 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	518.29	71.68
26 51 16 00-0280 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	542.69	74.76
26 51 16 00-0281 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	637.33	74.76
26 51 16 00-0282 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	749.76	74.76
26 51 16 00-0283 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	743.11	77.84
26 51 16 00-0284 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	905.41	77.84
26 51 16 00-0285 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	1,077.87	77.84
26 51 16 00-0286 Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0287 EA 4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	152.23	44.00
For ICAT Housing, Add	11.10	
26 51 16 00-0288 EA 5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	156.92	44.00
For ICAT Housing, Add	11.71	
26 51 16 00-0289 EA 6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	163.55	45.99
For ICAT Housing, Add	12.17	
26 51 16 00-0290 EA 7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	171.78	47.68
For ICAT Housing, Add	12.83	
26 51 16 00-0291 EA 8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	179.05	50.15
For ICAT Housing, Add	13.37	
26 51 16 00-0292 EA 10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	185.80	53.22
For ICAT Housing, Add	13.65	
26 51 16 00-0293 Compact Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0294 EA 4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	172.40	44.00
For ICAT Housing, Add	13.71	
26 51 16 00-0295 EA 5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	177.02	44.00
For ICAT Housing, Add	14.30	
26 51 16 00-0296 EA 6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	183.80	46.15
For ICAT Housing, Add	14.78	
26 51 16 00-0297 EA 7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	189.38	48.14
For ICAT Housing, Add	15.10	
26 51 16 00-0298 EA 8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	195.70	50.15
For ICAT Housing, Add	15.52	
26 51 16 00-0299 EA 10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	202.10	53.22
For ICAT Housing, Add	15.75	
26 51 16 00-0300 Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0301 EA 2L 18W BX Track Fixture, Electronic Ballast.....	304.21	25.68
Note: White or Black Finish, 120V.		
26 51 16 00-0302 EA 2L 39W BX Track Fixture, Electronic Ballast.....	312.97	25.68
Note: White or Black Finish, 120V.		
26 51 16 00-0303 EA 2L 40W BX Track Fixture, Electronic Ballast.....	318.45	25.68
Note: White or Black Finish, 120V.		
26 51 16 00-0304 EA 2L 50W BX Track Fixture, Electronic Ballast.....	202.72	25.68
Note: White or Black Finish, 120V.		
26 51 16 00-0305 EA 2L, 55 Watt BX Track Fixture, Electronic Ballast.....	340.20	25.68
Note: White or Black Finish, 120V.		
26 51 16 00-0306 Compact Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0307 EA Compact Fluorescent Track Lighting Fixture.....	109.62	25.68
26 51 16 00-0308 Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 16)		
26 51 16 00-0309 EA 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	159.57	61.53
For Wall Mounted, Add	6.02	
26 51 16 00-0310 EA 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	163.16	61.53
For Wall Mounted, Add	6.02	
26 51 16 00-0311 EA 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	172.05	61.53
For Wall Mounted, Add	6.02	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0312 Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0313 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0312)</small>		
26 51 16 00-0314 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 16 00-0313)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0315 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	337.92	65.50
For T5 Fixture Instead Of T8, Add	27.43	
26 51 16 00-0316 EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	353.48	65.50
For T5 Fixture Instead Of T8, Add	29.21	
26 51 16 00-0317 EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	545.24	65.50
For T5 Fixture Instead Of T8, Add	51.16	
26 51 16 00-0318 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	472.12	65.50
26 51 16 00-0319 EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	750.77	65.50
26 51 16 00-0320 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day- Brite V2W) <small>(26 51 16 00-0313)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0321 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	384.83	65.50
26 51 16 00-0322 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	389.49	65.50
26 51 16 00-0323 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	559.76	65.50
26 51 16 00-0324 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	465.66	65.50
26 51 16 00-0325 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	485.98	65.50
26 51 16 00-0326 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0312)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0327 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 16 00-0326)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0328 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	629.96	88.97
For T5 Fixture Instead Of T8, Add	56.84	
26 51 16 00-0329 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	654.45	88.97
For T5 Fixture Instead Of T8, Add	59.64	
26 51 16 00-0330 High Bay Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0331 (T8) Fluorescent, High Bay Fixtures <small>(26 51 16 00-0330)</small>		
26 51 16 00-0332 (T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 16 00-0331)</small> Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0333 EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	552.18	143.36
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0334 EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	580.54	158.82
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0335 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	658.32	181.31
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0336 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	782.48	191.01
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0337 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	849.43	199.86
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0338 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	503.40	181.31
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0339 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	530.71	191.01
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0340 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	601.62	199.86
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 16 00-0341 (T5HO) Fluorescent, High Bay Fixtures <small>(26 51 16 00-0330)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0342			(T5HO) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 16 00-0341)</small> Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0343	EA		2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	555.88	143.36
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0344	EA		3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	583.34	158.82
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0345	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	663.96	181.31
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0346	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	796.01	191.01
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0347	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	523.87	181.31
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0348	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	573.54	191.01
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0349	EA		8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	661.40	199.86
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 19			LED Interior Lighting <small>(26 51)</small>		
26 51 19 00-0001			LED Fixtures <small>(26 51 19)</small>		
26 51 19 00-0002			Undercabinet LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0003	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	151.46	37.95
			For >50 To 100, Deduct	-5.37	
			For >100 To 250, Deduct	-9.15	
			For >250 To 500, Deduct	-15.15	
			For >500, Deduct	-21.14	
26 51 19 00-0004	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	187.29	46.38
			For >50 To 100, Deduct	-6.61	
			For >100 To 250, Deduct	-11.30	
			For >250 To 500, Deduct	-18.73	
			For >500, Deduct	-26.16	
26 51 19 00-0005	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	188.64	46.38
			For >50 To 100, Deduct	-6.65	
			For >100 To 250, Deduct	-11.36	
			For >250 To 500, Deduct	-18.86	
			For >500, Deduct	-26.36	
26 51 19 00-0006	EA		24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	175.72	37.95
			For >50 To 100, Deduct	-5.97	
			For >100 To 250, Deduct	-10.37	
			For >250 To 500, Deduct	-17.57	
			For >500, Deduct	-24.78	
26 51 19 00-0007			Surface Mount Linear/Striplight LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0008			Striplight LED Fixtures (Lithonia ZL) <small>(26 51 19 00-0007)</small>		
26 51 19 00-0009	EA		3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	219.95	42.16
			For >50 To 100, Deduct	-7.08	
			For >100 To 250, Deduct	-12.58	
			For >250 To 500, Deduct	-22.00	
			For >500, Deduct	-31.41	
26 51 19 00-0010	EA		2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	234.00	51.44
			For >50 To 100, Deduct	-7.78	
			For >100 To 250, Deduct	-13.63	
			For >250 To 500, Deduct	-23.40	
			For >500, Deduct	-33.17	
26 51 19 00-0011	EA		1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	249.76	42.16
			For >50 To 100, Deduct	-7.83	
			For >100 To 250, Deduct	-14.07	
			For >250 To 500, Deduct	-24.98	
			For >500, Deduct	-35.88	
26 51 19 00-0012	EA		2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	263.81	51.44
			For >50 To 100, Deduct	-8.53	
			For >100 To 250, Deduct	-15.12	
			For >250 To 500, Deduct	-26.38	
			For >500, Deduct	-37.64	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0013	EA		4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	324.28	51.44
			<i>For >50 To 100, Deduct</i>	-10.04	
			<i>For >100 To 250, Deduct</i>	-18.15	
			<i>For >250 To 500, Deduct</i>	-32.43	
			<i>For >500, Deduct</i>	-46.71	
26 51 19 00-0014			Striplight LED Fixtures (Mobern) (26 51 19 00-0007)		
26 51 19 00-0015	EA		1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	232.51	42.16
			<i>For >50 To 100, Deduct</i>	-7.39	
			<i>For >100 To 250, Deduct</i>	-13.21	
			<i>For >250 To 500, Deduct</i>	-23.25	
			<i>For >500, Deduct</i>	-33.30	
26 51 19 00-0016			Striplight LED Fixtures (Eaton) (26 51 19 00-0007)		
26 51 19 00-0017	EA		2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	295.05	51.44
			<i>For >50 To 100, Deduct</i>	-9.31	
			<i>For >100 To 250, Deduct</i>	-16.69	
			<i>For >250 To 500, Deduct</i>	-29.51	
			<i>For >500, Deduct</i>	-42.33	
26 51 19 00-0018	EA		2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	279.17	51.44
			<i>For >50 To 100, Deduct</i>	-8.91	
			<i>For >100 To 250, Deduct</i>	-15.89	
			<i>For >250 To 500, Deduct</i>	-27.92	
			<i>For >500, Deduct</i>	-39.94	
26 51 19 00-0019	EA		2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	295.05	51.44
			<i>For >50 To 100, Deduct</i>	-9.31	
			<i>For >100 To 250, Deduct</i>	-16.69	
			<i>For >250 To 500, Deduct</i>	-29.51	
			<i>For >500, Deduct</i>	-42.33	
26 51 19 00-0020			Lay-In/Troffer LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0021			Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0022			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0021)		
26 51 19 00-0023	EA		1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	606.52	51.02
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	49.65	
			<i>For >50 To 100, Deduct</i>	-17.10	
			<i>For >100 To 250, Deduct</i>	-32.26	
			<i>For >250 To 500, Deduct</i>	-60.65	
			<i>For >500, Deduct</i>	-89.05	
26 51 19 00-0024	EA		2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	342.85	56.22
			<i>For Drywall Or Plaster Ceilings, Add</i>	37.95	
			<i>For >50 To 100, Deduct</i>	-10.68	
			<i>For >100 To 250, Deduct</i>	-19.25	
			<i>For >250 To 500, Deduct</i>	-34.29	
			<i>For >500, Deduct</i>	-49.32	
26 51 19 00-0025	EA		2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	616.22	65.50
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	55.41	
			<i>For >50 To 100, Deduct</i>	-17.87	
			<i>For >100 To 250, Deduct</i>	-33.27	
			<i>For >250 To 500, Deduct</i>	-61.62	
			<i>For >500, Deduct</i>	-89.97	
26 51 19 00-0026			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0021)		
26 51 19 00-0027	EA		1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	867.61	51.02
			<i>For >50 To 100, Deduct</i>	-23.62	
			<i>For >100 To 250, Deduct</i>	-45.31	
			<i>For >250 To 500, Deduct</i>	-86.76	
			<i>For >500, Deduct</i>	-128.21	
26 51 19 00-0028	EA		2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	615.89	56.22
			<i>For >50 To 100, Deduct</i>	-17.51	
			<i>For >100 To 250, Deduct</i>	-32.90	
			<i>For >250 To 500, Deduct</i>	-61.59	
			<i>For >500, Deduct</i>	-90.28	
26 51 19 00-0029	EA		2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	800.20	65.50
			<i>For >50 To 100, Deduct</i>	-22.47	
			<i>For >100 To 250, Deduct</i>	-42.47	
			<i>For >250 To 500, Deduct</i>	-80.02	
			<i>For >500, Deduct</i>	-117.57	
26 51 19 00-0030			Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 19 00-0021)		
26 51 19 00-0031	EA		2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	411.15	56.22
			<i>For >50 To 100, Deduct</i>	-12.39	
			<i>For >100 To 250, Deduct</i>	-22.67	
			<i>For >250 To 500, Deduct</i>	-41.12	
			<i>For >500, Deduct</i>	-59.56	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0032	EA 3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	453.32	56.22
	<i>For >50 To 100, Deduct</i>	-13.44	
	<i>For >100 To 250, Deduct</i>	-24.77	
	<i>For >250 To 500, Deduct</i>	-45.33	
	<i>For >500, Deduct</i>	-65.89	
26 51 19 00-0033	EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	387.95	56.22
	<i>For >50 To 100, Deduct</i>	-11.81	
	<i>For >100 To 250, Deduct</i>	-21.51	
	<i>For >250 To 500, Deduct</i>	-38.80	
	<i>For >500, Deduct</i>	-56.08	
26 51 19 00-0034	EA 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	387.95	56.22
	<i>For >50 To 100, Deduct</i>	-11.81	
	<i>For >100 To 250, Deduct</i>	-21.51	
	<i>For >250 To 500, Deduct</i>	-38.80	
	<i>For >500, Deduct</i>	-56.08	
26 51 19 00-0035	EA 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	415.37	56.22
	<i>For >50 To 100, Deduct</i>	-12.49	
	<i>For >100 To 250, Deduct</i>	-22.88	
	<i>For >250 To 500, Deduct</i>	-41.54	
	<i>For >500, Deduct</i>	-60.20	
26 51 19 00-0036	Volumetric, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0037	Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0036)		
26 51 19 00-0038	EA 1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	473.98	51.02
	<i>For Drywall Or Plaster Ceilings, Add</i>	34.79	
	<i>For >50 To 100, Deduct</i>	-13.78	
	<i>For >100 To 250, Deduct</i>	-25.63	
	<i>For >250 To 500, Deduct</i>	-47.40	
	<i>For >500, Deduct</i>	-69.16	
26 51 19 00-0039	EA 1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	706.67	51.02
	<i>For Drywall Or Plaster Ceilings, Add</i>	34.79	
	<i>For >50 To 100, Deduct</i>	-19.60	
	<i>For >100 To 250, Deduct</i>	-37.27	
	<i>For >250 To 500, Deduct</i>	-70.67	
	<i>For >500, Deduct</i>	-104.07	
26 51 19 00-0040	EA 2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	553.68	56.22
	<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	48.77	
	<i>For >50 To 100, Deduct</i>	-15.95	
	<i>For >100 To 250, Deduct</i>	-29.79	
	<i>For >250 To 500, Deduct</i>	-55.37	
	<i>For >500, Deduct</i>	-80.94	
26 51 19 00-0041	EA 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	633.68	56.22
	<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	52.77	
	<i>For >50 To 100, Deduct</i>	-17.95	
	<i>For >100 To 250, Deduct</i>	-33.79	
	<i>For >250 To 500, Deduct</i>	-63.37	
	<i>For >500, Deduct</i>	-92.94	
26 51 19 00-0042	EA 2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	697.69	56.22
	<i>For >50 To 100, Deduct</i>	-19.55	
	<i>For >100 To 250, Deduct</i>	-36.99	
	<i>For >250 To 500, Deduct</i>	-69.77	
	<i>For >500, Deduct</i>	-102.55	
26 51 19 00-0043	EA 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	711.75	65.50
	<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	60.19	
	<i>For >50 To 100, Deduct</i>	-20.25	
	<i>For >100 To 250, Deduct</i>	-38.05	
	<i>For >250 To 500, Deduct</i>	-71.18	
	<i>For >500, Deduct</i>	-104.30	
26 51 19 00-0044	EA 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	775.75	65.50
	<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	63.39	
	<i>For >50 To 100, Deduct</i>	-21.85	
	<i>For >100 To 250, Deduct</i>	-41.25	
	<i>For >250 To 500, Deduct</i>	-77.58	
	<i>For >500, Deduct</i>	-113.90	
26 51 19 00-0045	EA 2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	839.75	65.50
	<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	66.59	
	<i>For >50 To 100, Deduct</i>	-23.45	
	<i>For >100 To 250, Deduct</i>	-44.45	
	<i>For >250 To 500, Deduct</i>	-83.98	
	<i>For >500, Deduct</i>	-123.50	
26 51 19 00-0046	EA 2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	489.69	56.22
	<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	45.57	
	<i>For >50 To 100, Deduct</i>	-14.35	
	<i>For >100 To 250, Deduct</i>	-26.59	
	<i>For >250 To 500, Deduct</i>	-48.97	
	<i>For >500, Deduct</i>	-71.35	
26 51 19 00-0047	EA 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	569.68	56.22
	<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	49.57	
	<i>For >50 To 100, Deduct</i>	-16.35	
	<i>For >100 To 250, Deduct</i>	-30.59	
	<i>For >250 To 500, Deduct</i>	-56.97	
	<i>For >500, Deduct</i>	-83.34	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0048	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	617.67	56.22
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	51.97	
			<i>For >50 To 100, Deduct</i>	-17.55	
			<i>For >100 To 250, Deduct</i>	-32.99	
			<i>For >250 To 500, Deduct</i>	-61.77	
			<i>For >500, Deduct</i>	-90.54	
26 51 19 00-0049	EA		2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	615.75	65.50
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	55.39	
			<i>For >50 To 100, Deduct</i>	-17.85	
			<i>For >100 To 250, Deduct</i>	-33.25	
			<i>For >250 To 500, Deduct</i>	-61.58	
			<i>For >500, Deduct</i>	-89.90	
26 51 19 00-0050	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	647.74	65.50
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	56.98	
			<i>For >50 To 100, Deduct</i>	-18.65	
			<i>For >100 To 250, Deduct</i>	-34.85	
			<i>For >250 To 500, Deduct</i>	-64.77	
			<i>For >500, Deduct</i>	-94.70	
26 51 19 00-0051	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	711.75	65.50
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	60.19	
			<i>For >50 To 100, Deduct</i>	-20.25	
			<i>For >100 To 250, Deduct</i>	-38.05	
			<i>For >250 To 500, Deduct</i>	-71.18	
			<i>For >500, Deduct</i>	-104.30	
26 51 19 00-0052			Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0053			Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0052)</small>		
			Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0054	EA		2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	388.25	65.50
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	44.01	
			<i>For >50 To 100, Deduct</i>	-12.17	
			<i>For >100 To 250, Deduct</i>	-21.87	
			<i>For >250 To 500, Deduct</i>	-38.83	
			<i>For >500, Deduct</i>	-55.78	
26 51 19 00-0055	EA		4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	449.95	65.50
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	47.10	
			<i>For >50 To 100, Deduct</i>	-13.71	
			<i>For >100 To 250, Deduct</i>	-24.96	
			<i>For >250 To 500, Deduct</i>	-45.00	
			<i>For >500, Deduct</i>	-65.03	
26 51 19 00-0056	EA		6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	505.48	65.50
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	49.87	
			<i>For >50 To 100, Deduct</i>	-15.10	
			<i>For >100 To 250, Deduct</i>	-27.73	
			<i>For >250 To 500, Deduct</i>	-50.55	
			<i>For >500, Deduct</i>	-73.36	
26 51 19 00-0057			Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 19 00-0052)</small>		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0058	EA		1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	515.85	65.50
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	170.87	
			<i>For Surface Mount, Add</i>	275.26	
			<i>For >50 To 100, Deduct</i>	-15.36	
			<i>For >100 To 250, Deduct</i>	-28.25	
			<i>For >250 To 500, Deduct</i>	-51.59	
			<i>For >500, Deduct</i>	-74.92	
26 51 19 00-0059	EA		1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	555.90	65.50
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	170.87	
			<i>For Surface Mount, Add</i>	275.26	
			<i>For >50 To 100, Deduct</i>	-16.36	
			<i>For >100 To 250, Deduct</i>	-30.25	
			<i>For >250 To 500, Deduct</i>	-55.59	
			<i>For >500, Deduct</i>	-80.93	
26 51 19 00-0060	EA		1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	555.90	65.50
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	170.87	
			<i>For Surface Mount, Add</i>	275.26	
			<i>For >50 To 100, Deduct</i>	-16.36	
			<i>For >100 To 250, Deduct</i>	-30.25	
			<i>For >250 To 500, Deduct</i>	-55.59	
			<i>For >500, Deduct</i>	-80.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0061	EA		1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	615.03	65.50
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	170.87	
			<i>For Surface Mount, Add</i>	275.26	
			<i>For >50 To 100, Deduct</i>	-17.84	
			<i>For >100 To 250, Deduct</i>	-33.21	
			<i>For >250 To 500, Deduct</i>	-61.50	
			<i>For >500, Deduct</i>	-89.79	
26 51 19 00-0062	EA		2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	479.13	56.22
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	149.18	
			<i>For Surface Mount, Add</i>	259.10	
			<i>For >50 To 100, Deduct</i>	-14.09	
			<i>For >100 To 250, Deduct</i>	-26.06	
			<i>For >250 To 500, Deduct</i>	-47.91	
			<i>For >500, Deduct</i>	-69.76	
26 51 19 00-0063	EA		2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	452.20	56.22
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	149.18	
			<i>For Surface Mount, Add</i>	259.10	
			<i>For >50 To 100, Deduct</i>	-13.41	
			<i>For >100 To 250, Deduct</i>	-24.72	
			<i>For >250 To 500, Deduct</i>	-45.22	
			<i>For >500, Deduct</i>	-65.72	
26 51 19 00-0064	EA		2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	538.07	65.50
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	174.68	
			<i>For Surface Mount, Add</i>	300.06	
			<i>For >50 To 100, Deduct</i>	-15.91	
			<i>For >100 To 250, Deduct</i>	-29.36	
			<i>For >250 To 500, Deduct</i>	-53.81	
			<i>For >500, Deduct</i>	-78.25	
26 51 19 00-0065	EA		2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	555.90	65.50
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	174.68	
			<i>For Surface Mount, Add</i>	300.06	
			<i>For >50 To 100, Deduct</i>	-16.36	
			<i>For >100 To 250, Deduct</i>	-30.25	
			<i>For >250 To 500, Deduct</i>	-55.59	
			<i>For >500, Deduct</i>	-80.93	
26 51 19 00-0066	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	555.90	65.50
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	174.68	
			<i>For Surface Mount, Add</i>	300.06	
			<i>For >50 To 100, Deduct</i>	-16.36	
			<i>For >100 To 250, Deduct</i>	-30.25	
			<i>For >250 To 500, Deduct</i>	-55.59	
			<i>For >500, Deduct</i>	-80.93	
26 51 19 00-0067	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™)	706.58	65.50
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	174.68	
			<i>For Surface Mount, Add</i>	300.06	
			<i>For >50 To 100, Deduct</i>	-20.12	
			<i>For >100 To 250, Deduct</i>	-37.79	
			<i>For >250 To 500, Deduct</i>	-70.66	
			<i>For >500, Deduct</i>	-103.53	
26 51 19 00-0068	EA		2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	615.03	65.50
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	174.68	
			<i>For Surface Mount, Add</i>	300.06	
			<i>For >50 To 100, Deduct</i>	-17.84	
			<i>For >100 To 250, Deduct</i>	-33.21	
			<i>For >250 To 500, Deduct</i>	-61.50	
			<i>For >500, Deduct</i>	-89.79	
26 51 19 00-0069			Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 19 00-0052)</small>		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0070	EA		2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	282.01	56.22
			<i>For >50 To 100, Deduct</i>	-9.16	
			<i>For >100 To 250, Deduct</i>	-16.21	
			<i>For >250 To 500, Deduct</i>	-28.20	
			<i>For >500, Deduct</i>	-40.19	
26 51 19 00-0071	EA		2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	370.66	65.50
			<i>For >50 To 100, Deduct</i>	-11.73	
			<i>For >100 To 250, Deduct</i>	-20.99	
			<i>For >250 To 500, Deduct</i>	-37.07	
			<i>For >500, Deduct</i>	-53.14	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0072 Architectural, Lay-In/Troffer LED Fixtures (Finelite) <small>(26 51 19 00-0052)</small> Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0073 EA 2' x 2', 3,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	411.71	56.22
For >50 To 100, Deduct	-12.40	
For >100 To 250, Deduct	-22.69	
For >250 To 500, Deduct	-41.17	
For >500, Deduct	-59.65	
26 51 19 00-0074 EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	555.15	66.06
For >50 To 100, Deduct	-16.34	
For >100 To 250, Deduct	-30.22	
For >250 To 500, Deduct	-55.52	
For >500, Deduct	-80.81	
26 51 19 00-0075 Shadow Box Style, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0076 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) <small>(26 51 19 00-0075)</small>		
26 51 19 00-0077 EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2).....	644.68	56.22
For Drywall Or Plaster Ceilings, Add	37.95	
For >50 To 100, Deduct	-18.23	
For >100 To 250, Deduct	-34.34	
For >250 To 500, Deduct	-64.47	
For >500, Deduct	-94.59	
26 51 19 00-0078 EA 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4).....	876.41	65.50
For Drywall Or Plaster Ceilings With Frame Kit, Add	68.42	
For >50 To 100, Deduct	-24.37	
For >100 To 250, Deduct	-46.28	
For >250 To 500, Deduct	-87.64	
For >500, Deduct	-129.00	
26 51 19 00-0079 Panel Type, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0080 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) <small>(26 51 19 00-0079)</small>		
26 51 19 00-0081 EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34).....	447.92	65.50
For >50 To 100, Deduct	-13.66	
For >100 To 250, Deduct	-24.86	
For >250 To 500, Deduct	-44.79	
For >500, Deduct	-64.73	
26 51 19 00-0082 EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34).....	464.66	65.50
For >50 To 100, Deduct	-14.08	
For >100 To 250, Deduct	-25.69	
For >250 To 500, Deduct	-46.47	
For >500, Deduct	-67.24	
26 51 19 00-0083 EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40).....	575.59	65.50
For >50 To 100, Deduct	-16.85	
For >100 To 250, Deduct	-31.24	
For >250 To 500, Deduct	-57.56	
For >500, Deduct	-83.88	
26 51 19 00-0084 EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52).....	575.59	65.50
For >50 To 100, Deduct	-16.85	
For >100 To 250, Deduct	-31.24	
For >250 To 500, Deduct	-57.56	
For >500, Deduct	-83.88	
26 51 19 00-0085 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) <small>(26 51 19 00-0079)</small>		
26 51 19 00-0086 EA 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH).....	245.50	65.50
For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	54.95	
For >50 To 100, Deduct	-8.60	
For >100 To 250, Deduct	-14.73	
For >250 To 500, Deduct	-24.55	
For >500, Deduct	-34.37	
26 51 19 00-0087 EA 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	252.67	65.50
For >50 To 100, Deduct	-8.78	
For >100 To 250, Deduct	-15.09	
For >250 To 500, Deduct	-25.27	
For >500, Deduct	-35.44	
26 51 19 00-0088 EA 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	255.94	65.50
For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	68.69	
For >50 To 100, Deduct	-8.86	
For >100 To 250, Deduct	-15.26	
For >250 To 500, Deduct	-25.59	
For >500, Deduct	-35.93	
26 51 19 00-0089 EA 2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH).....	565.52	65.50
For >50 To 100, Deduct	-16.60	
For >100 To 250, Deduct	-30.74	
For >250 To 500, Deduct	-56.55	
For >500, Deduct	-82.37	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0090			Surface Mount LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0091			Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0090)		
26 51 19 00-0092	EA		2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	334.60	42.16
			For >50 To 100, Deduct	-9.95	
			For >100 To 250, Deduct	-18.31	
			For >250 To 500, Deduct	-33.46	
			For >500, Deduct	-48.61	
26 51 19 00-0093	EA		4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	305.69	51.44
			For >50 To 100, Deduct	-9.57	
			For >100 To 250, Deduct	-17.22	
			For >250 To 500, Deduct	-30.57	
			For >500, Deduct	-43.92	
26 51 19 00-0094	EA		4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	342.16	51.44
			For >50 To 100, Deduct	-10.49	
			For >100 To 250, Deduct	-19.04	
			For >250 To 500, Deduct	-34.22	
			For >500, Deduct	-49.39	
26 51 19 00-0095			Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0090)		
26 51 19 00-0096	EA		2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	284.42	42.16
			For >50 To 100, Deduct	-8.69	
			For >100 To 250, Deduct	-15.80	
			For >250 To 500, Deduct	-28.44	
			For >500, Deduct	-41.08	
26 51 19 00-0097	EA		4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	372.59	51.44
			For >50 To 100, Deduct	-11.25	
			For >100 To 250, Deduct	-20.56	
			For >250 To 500, Deduct	-37.26	
			For >500, Deduct	-53.96	
26 51 19 00-0098			Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0090)		
26 51 19 00-0099			Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0098)		
26 51 19 00-0100	EA		2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	822.58	56.22
			For >50 To 100, Deduct	-22.67	
			For >100 To 250, Deduct	-43.24	
			For >250 To 500, Deduct	-82.26	
			For >500, Deduct	-121.28	
26 51 19 00-0101	EA		2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	1,054.31	65.50
			For >50 To 100, Deduct	-28.82	
			For >100 To 250, Deduct	-55.18	
			For >250 To 500, Deduct	-105.43	
			For >500, Deduct	-155.69	
26 51 19 00-0102			Surface Mount, Low Profile Fixtures (26 51 19 00-0090)		
26 51 19 00-0103	EA		6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	122.38	38.51
			For >50 To 100, Deduct	-4.98	
			For >100 To 250, Deduct	-8.04	
			For >250 To 500, Deduct	-12.24	
			For >500, Deduct	-16.43	
26 51 19 00-0104	EA		6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	102.68	38.51
			For >50 To 100, Deduct	-4.49	
			For >100 To 250, Deduct	-7.06	
			For >250 To 500, Deduct	-10.27	
			For >500, Deduct	-13.48	
26 51 19 00-0105	EA		13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	163.73	38.51
			For >50 To 100, Deduct	-6.02	
			For >100 To 250, Deduct	-10.11	
			For >250 To 500, Deduct	-16.37	
			For >500, Deduct	-22.63	
26 51 19 00-0106	EA		15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	195.25	38.51
			For >50 To 100, Deduct	-6.81	
			For >100 To 250, Deduct	-11.69	
			For >250 To 500, Deduct	-19.53	
			For >500, Deduct	-27.36	
26 51 19 00-0107			Recessed LED Downlights (26 51 19 00-0001)		
26 51 19 00-0108			Recessed LED Downlights (26 51 19 00-0107)		
26 51 19 00-0109			Recessed LED Downlights (Lithonia) (26 51 19 00-0108)		
			Note: Includes housing and trim.		
26 51 19 00-0110	EA		8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	388.92	67.68
			For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	78.01	
			For >50 To 100, Deduct	-12.26	
			For >100 To 250, Deduct	-21.98	
			For >250 To 500, Deduct	-38.89	
			For >500, Deduct	-55.80	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0111 EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	419.77	67.68
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	78.01	
For >50 To 100, Deduct	-13.03	
For >100 To 250, Deduct	-23.53	
For >250 To 500, Deduct	-41.98	
For >500, Deduct	-60.43	
26 51 19 00-0112 Recessed LED Downlights (Portfolio®) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0113 EA 4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	257.71	67.68
For >50 To 100, Deduct	-8.98	
For >100 To 250, Deduct	-15.42	
For >250 To 500, Deduct	-25.77	
For >500, Deduct	-36.12	
26 51 19 00-0114 Recessed LED Downlights (Gotham® EVO®) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0115 EA 6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	306.51	67.68
For >50 To 100, Deduct	-10.20	
For >100 To 250, Deduct	-17.86	
For >250 To 500, Deduct	-30.65	
For >500, Deduct	-43.44	
26 51 19 00-0116 EA 6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	315.18	67.68
For >50 To 100, Deduct	-10.42	
For >100 To 250, Deduct	-18.30	
For >250 To 500, Deduct	-31.52	
For >500, Deduct	-44.74	
26 51 19 00-0117 EA 6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	350.74	67.68
For >50 To 100, Deduct	-11.31	
For >100 To 250, Deduct	-20.08	
For >250 To 500, Deduct	-35.07	
For >500, Deduct	-50.07	
26 51 19 00-0118 EA 6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	354.22	67.68
For >50 To 100, Deduct	-11.39	
For >100 To 250, Deduct	-20.25	
For >250 To 500, Deduct	-35.42	
For >500, Deduct	-50.59	
26 51 19 00-0119 EA 6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	384.57	67.68
For >50 To 100, Deduct	-12.15	
For >100 To 250, Deduct	-21.77	
For >250 To 500, Deduct	-38.46	
For >500, Deduct	-55.15	
26 51 19 00-0120 Recessed LED Downlights (Lightolier) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0121 EA 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	622.69	67.68
For >50 To 100, Deduct	-18.11	
For >100 To 250, Deduct	-33.67	
For >250 To 500, Deduct	-62.27	
For >500, Deduct	-90.87	
26 51 19 00-0122 EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	727.19	67.68
For >50 To 100, Deduct	-20.72	
For >100 To 250, Deduct	-38.90	
For >250 To 500, Deduct	-72.72	
For >500, Deduct	-106.54	
26 51 19 00-0123 EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	779.33	67.68
For >50 To 100, Deduct	-22.02	
For >100 To 250, Deduct	-41.50	
For >250 To 500, Deduct	-77.93	
For >500, Deduct	-114.36	
26 51 19 00-0124 EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	779.33	67.68
For >50 To 100, Deduct	-22.02	
For >100 To 250, Deduct	-41.50	
For >250 To 500, Deduct	-77.93	
For >500, Deduct	-114.36	
26 51 19 00-0125 EA 7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	805.51	67.68
For >50 To 100, Deduct	-22.68	
For >100 To 250, Deduct	-42.81	
For >250 To 500, Deduct	-80.55	
For >500, Deduct	-118.29	
26 51 19 00-0126 EA 7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	831.71	67.68
For >50 To 100, Deduct	-23.33	
For >100 To 250, Deduct	-44.12	
For >250 To 500, Deduct	-83.17	
For >500, Deduct	-122.22	
26 51 19 00-0127 Recessed LED Downlights (Cooper) (26 51 19 00-0108)		

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0128	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	171.76	67.68
			<i>For>50 To 100, Deduct</i>	-6.83	
			<i>For>100 To 250, Deduct</i>	-11.13	
			<i>For>250 To 500, Deduct</i>	-17.18	
			<i>For>500, Deduct</i>	-23.23	
26 51	19 00-0129	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	171.76	67.68
			<i>For>50 To 100, Deduct</i>	-6.83	
			<i>For>100 To 250, Deduct</i>	-11.13	
			<i>For>250 To 500, Deduct</i>	-17.18	
			<i>For>500, Deduct</i>	-23.23	
26 51	19 00-0130	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	171.76	67.68
			<i>For>50 To 100, Deduct</i>	-6.83	
			<i>For>100 To 250, Deduct</i>	-11.13	
			<i>For>250 To 500, Deduct</i>	-17.18	
			<i>For>500, Deduct</i>	-23.23	
26 51	19 00-0131	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	171.76	67.68
			<i>For>50 To 100, Deduct</i>	-6.83	
			<i>For>100 To 250, Deduct</i>	-11.13	
			<i>For>250 To 500, Deduct</i>	-17.18	
			<i>For>500, Deduct</i>	-23.23	
26 51	19 00-0132	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	174.37	67.68
			<i>For>50 To 100, Deduct</i>	-6.90	
			<i>For>100 To 250, Deduct</i>	-11.26	
			<i>For>250 To 500, Deduct</i>	-17.44	
			<i>For>500, Deduct</i>	-23.62	
26 51	19 00-0133	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	174.37	67.68
			<i>For>50 To 100, Deduct</i>	-6.90	
			<i>For>100 To 250, Deduct</i>	-11.26	
			<i>For>250 To 500, Deduct</i>	-17.44	
			<i>For>500, Deduct</i>	-23.62	
26 51	19 00-0134	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	174.37	67.68
			<i>For>50 To 100, Deduct</i>	-6.90	
			<i>For>100 To 250, Deduct</i>	-11.26	
			<i>For>250 To 500, Deduct</i>	-17.44	
			<i>For>500, Deduct</i>	-23.62	
26 51	19 00-0135	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	174.37	67.68
			<i>For>50 To 100, Deduct</i>	-6.90	
			<i>For>100 To 250, Deduct</i>	-11.26	
			<i>For>250 To 500, Deduct</i>	-17.44	
			<i>For>500, Deduct</i>	-23.62	
26 51	19 00-0136	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	209.84	67.68
			<i>For>50 To 100, Deduct</i>	-7.78	
			<i>For>100 To 250, Deduct</i>	-13.03	
			<i>For>250 To 500, Deduct</i>	-20.98	
			<i>For>500, Deduct</i>	-28.94	
26 51	19 00-0137	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	208.04	67.68
			<i>For>50 To 100, Deduct</i>	-7.74	
			<i>For>100 To 250, Deduct</i>	-12.94	
			<i>For>250 To 500, Deduct</i>	-20.80	
			<i>For>500, Deduct</i>	-28.67	
26 51	19 00-0138	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	208.04	67.68
			<i>For>50 To 100, Deduct</i>	-7.74	
			<i>For>100 To 250, Deduct</i>	-12.94	
			<i>For>250 To 500, Deduct</i>	-20.80	
			<i>For>500, Deduct</i>	-28.67	
26 51	19 00-0139	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	208.04	67.68
			<i>For>50 To 100, Deduct</i>	-7.74	
			<i>For>100 To 250, Deduct</i>	-12.94	
			<i>For>250 To 500, Deduct</i>	-20.80	
			<i>For>500, Deduct</i>	-28.67	
26 51	19 00-0140	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	95.41	21.54
			<i>For>50 To 100, Deduct</i>	-3.19	
			<i>For>100 To 250, Deduct</i>	-5.58	
			<i>For>250 To 500, Deduct</i>	-9.54	
			<i>For>500, Deduct</i>	-13.50	
26 51	19 00-0141	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	62.95	21.54
			<i>For>50 To 100, Deduct</i>	-2.38	
			<i>For>100 To 250, Deduct</i>	-3.96	
			<i>For>250 To 500, Deduct</i>	-6.30	
			<i>For>500, Deduct</i>	-8.63	
26 51	19 00-0142	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	76.92	21.54
			<i>For>50 To 100, Deduct</i>	-2.73	
			<i>For>100 To 250, Deduct</i>	-4.65	
			<i>For>250 To 500, Deduct</i>	-7.69	
			<i>For>500, Deduct</i>	-10.73	
26 51	19 00-0143	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	65.76	21.54
			<i>For>50 To 100, Deduct</i>	-2.45	
			<i>For>100 To 250, Deduct</i>	-4.10	
			<i>For>250 To 500, Deduct</i>	-6.58	
			<i>For>500, Deduct</i>	-9.06	
26 51	19 00-0144	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	54.35	21.54
			<i>For>50 To 100, Deduct</i>	-2.17	
			<i>For>100 To 250, Deduct</i>	-3.53	
			<i>For>250 To 500, Deduct</i>	-5.44	
			<i>For>500, Deduct</i>	-7.34	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0145 EA 5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	65.26	21.54
For >50 To 100, Deduct	-2.44	
For >100 To 250, Deduct	-4.07	
For >250 To 500, Deduct	-6.53	
For >500, Deduct	-8.98	
26 51 19 00-0146 EA 5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB).....	71.91	21.54
For >50 To 100, Deduct	-2.61	
For >100 To 250, Deduct	-4.40	
For >250 To 500, Deduct	-7.19	
For >500, Deduct	-9.98	
26 51 19 00-0147 EA 5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB).....	77.83	21.54
For >50 To 100, Deduct	-2.75	
For >100 To 250, Deduct	-4.70	
For >250 To 500, Deduct	-7.78	
For >500, Deduct	-10.87	
26 51 19 00-0148 EA 5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	89.39	21.54
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-5.28	
For >250 To 500, Deduct	-8.94	
For >500, Deduct	-12.60	
26 51 19 00-0149 EA 5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB).....	89.77	21.54
For >50 To 100, Deduct	-3.05	
For >100 To 250, Deduct	-5.30	
For >250 To 500, Deduct	-8.98	
For >500, Deduct	-12.66	
26 51 19 00-0150 EA 5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB).....	88.11	21.54
For >50 To 100, Deduct	-3.01	
For >100 To 250, Deduct	-5.21	
For >250 To 500, Deduct	-8.81	
For >500, Deduct	-12.41	
26 51 19 00-0151 EA 5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	107.08	21.54
For >50 To 100, Deduct	-3.48	
For >100 To 250, Deduct	-6.16	
For >250 To 500, Deduct	-10.71	
For >500, Deduct	-15.25	
26 51 19 00-0152 EA 5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB).....	54.76	21.54
For >50 To 100, Deduct	-2.18	
For >100 To 250, Deduct	-3.55	
For >250 To 500, Deduct	-5.48	
For >500, Deduct	-7.41	
26 51 19 00-0153 EA 6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB).....	92.63	21.54
For >50 To 100, Deduct	-3.12	
For >100 To 250, Deduct	-5.44	
For >250 To 500, Deduct	-9.26	
For >500, Deduct	-13.09	
26 51 19 00-0154 EA 6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC).....	79.86	21.54
For >50 To 100, Deduct	-2.80	
For >100 To 250, Deduct	-4.80	
For >250 To 500, Deduct	-7.99	
For >500, Deduct	-11.17	
26 51 19 00-0155 EA 6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H).....	75.38	21.54
For >50 To 100, Deduct	-2.69	
For >100 To 250, Deduct	-4.58	
For >250 To 500, Deduct	-7.54	
For >500, Deduct	-10.50	
26 51 19 00-0156 EA 6" LED Trim, White Reflector And Flange (Cooper Halo 692W).....	67.99	21.54
For >50 To 100, Deduct	-2.51	
For >100 To 250, Deduct	-4.21	
For >250 To 500, Deduct	-6.80	
For >500, Deduct	-9.39	
26 51 19 00-0157 EA 6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	68.53	21.54
For >50 To 100, Deduct	-2.52	
For >100 To 250, Deduct	-4.23	
For >250 To 500, Deduct	-6.85	
For >500, Deduct	-9.47	
26 51 19 00-0158 EA 6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	73.27	21.54
For >50 To 100, Deduct	-2.64	
For >100 To 250, Deduct	-4.47	
For >250 To 500, Deduct	-7.33	
For >500, Deduct	-10.18	
26 51 19 00-0159 EA 6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB).....	67.70	21.54
For >50 To 100, Deduct	-2.50	
For >100 To 250, Deduct	-4.19	
For >250 To 500, Deduct	-6.77	
For >500, Deduct	-9.35	
26 51 19 00-0160 EA 6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB).....	82.82	21.54
For >50 To 100, Deduct	-2.88	
For >100 To 250, Deduct	-4.95	
For >250 To 500, Deduct	-8.28	
For >500, Deduct	-11.62	
26 51 19 00-0161 EA 6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	89.20	21.54
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-5.27	
For >250 To 500, Deduct	-8.92	
For >500, Deduct	-12.57	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0162	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	110.40	21.54
			<i>For >50 To 100, Deduct</i>	-3.57	
			<i>For >100 To 250, Deduct</i>	-6.33	
			<i>For >250 To 500, Deduct</i>	-11.04	
			<i>For >500, Deduct</i>	-15.75	
26 51	19 00-0163	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	107.74	21.54
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100 To 250, Deduct</i>	-6.19	
			<i>For >250 To 500, Deduct</i>	-10.77	
			<i>For >500, Deduct</i>	-15.35	
26 51	19 00-0164	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	108.91	21.54
			<i>For >50 To 100, Deduct</i>	-3.53	
			<i>For >100 To 250, Deduct</i>	-6.25	
			<i>For >250 To 500, Deduct</i>	-10.89	
			<i>For >500, Deduct</i>	-15.53	
26 51	19 00-0165	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	69.17	21.54
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 250, Deduct</i>	-4.27	
			<i>For >250 To 500, Deduct</i>	-6.92	
			<i>For >500, Deduct</i>	-9.57	
26 51	19 00-0166	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	74.92	46.15
			<i>For >50 To 100, Deduct</i>	-3.60	
			<i>For >100 To 250, Deduct</i>	-5.48	
			<i>For >250 To 500, Deduct</i>	-7.49	
			<i>For >500, Deduct</i>	-9.51	
26 51	19 00-0167	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	80.11	46.15
			<i>For >50 To 100, Deduct</i>	-3.73	
			<i>For >100 To 250, Deduct</i>	-5.74	
			<i>For >250 To 500, Deduct</i>	-8.01	
			<i>For >500, Deduct</i>	-10.29	
26 51	19 00-0168	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	78.03	46.15
			<i>For >50 To 100, Deduct</i>	-3.68	
			<i>For >100 To 250, Deduct</i>	-5.63	
			<i>For >250 To 500, Deduct</i>	-7.80	
			<i>For >500, Deduct</i>	-9.97	
26 51	19 00-0169	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	98.49	46.15
			<i>For >50 To 100, Deduct</i>	-4.19	
			<i>For >100 To 250, Deduct</i>	-6.66	
			<i>For >250 To 500, Deduct</i>	-9.85	
			<i>For >500, Deduct</i>	-13.04	
26 51	19 00-0170	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	96.09	46.15
			<i>For >50 To 100, Deduct</i>	-4.13	
			<i>For >100 To 250, Deduct</i>	-6.54	
			<i>For >250 To 500, Deduct</i>	-9.61	
			<i>For >500, Deduct</i>	-12.68	
26 51	19 00-0171	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H71CAT)	80.82	46.15
			<i>For >50 To 100, Deduct</i>	-3.75	
			<i>For >100 To 250, Deduct</i>	-5.77	
			<i>For >250 To 500, Deduct</i>	-8.08	
			<i>For >500, Deduct</i>	-10.39	
26 51	19 00-0172	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H71RICAT)	84.32	46.15
			<i>For >50 To 100, Deduct</i>	-3.84	
			<i>For >100 To 250, Deduct</i>	-5.95	
			<i>For >250 To 500, Deduct</i>	-8.43	
			<i>For >500, Deduct</i>	-10.92	
26 51	19 00-0173	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H71CT).....	80.09	46.15
			<i>For >50 To 100, Deduct</i>	-3.73	
			<i>For >100 To 250, Deduct</i>	-5.74	
			<i>For >250 To 500, Deduct</i>	-8.01	
			<i>For >500, Deduct</i>	-10.28	
26 51	19 00-0174	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H71RICT)	83.92	46.15
			<i>For >50 To 100, Deduct</i>	-3.83	
			<i>For >100 To 250, Deduct</i>	-5.93	
			<i>For >250 To 500, Deduct</i>	-8.39	
			<i>For >500, Deduct</i>	-10.86	
26 51	19 00-0175	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H71CATNB).....	80.73	46.15
			<i>For >50 To 100, Deduct</i>	-3.75	
			<i>For >100 To 250, Deduct</i>	-5.77	
			<i>For >250 To 500, Deduct</i>	-8.07	
			<i>For >500, Deduct</i>	-10.38	
26 51	19 00-0176	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H71CTNB)	80.37	46.15
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 250, Deduct</i>	-5.75	
			<i>For >250 To 500, Deduct</i>	-8.04	
			<i>For >500, Deduct</i>	-10.33	
26 51	19 00-0177	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T).....	83.13	46.15
			<i>For >50 To 100, Deduct</i>	-3.81	
			<i>For >100 To 250, Deduct</i>	-5.89	
			<i>For >250 To 500, Deduct</i>	-8.31	
			<i>For >500, Deduct</i>	-10.74	
26 51	19 00-0178	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	84.63	46.15
			<i>For >50 To 100, Deduct</i>	-3.85	
			<i>For >100 To 250, Deduct</i>	-5.96	
			<i>For >250 To 500, Deduct</i>	-8.46	
			<i>For >500, Deduct</i>	-10.96	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0179 EA 6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	85.11	46.15
For >50 To 100, Deduct	-3.86	
For >100 To 250, Deduct	-5.99	
For >250 To 500, Deduct	-8.51	
For >500, Deduct	-11.04	
26 51 19 00-0180 EA 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP).....	108.28	46.15
For >50 To 100, Deduct	-4.44	
For >100 To 250, Deduct	-7.14	
For >250 To 500, Deduct	-10.83	
For >500, Deduct	-14.51	
26 51 19 00-0181 EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UIC).....	102.47	46.15
For >50 To 100, Deduct	-4.29	
For >100 To 250, Deduct	-6.85	
For >250 To 500, Deduct	-10.25	
For >500, Deduct	-13.64	
26 51 19 00-0182 EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	103.14	46.15
For >50 To 100, Deduct	-4.31	
For >100 To 250, Deduct	-6.89	
For >250 To 500, Deduct	-10.31	
For >500, Deduct	-13.74	
26 51 19 00-0183 EA 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	107.03	46.15
For >50 To 100, Deduct	-4.41	
For >100 To 250, Deduct	-7.08	
For >250 To 500, Deduct	-10.70	
For >500, Deduct	-14.32	
26 51 19 00-0184 EA 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT).....	107.03	46.15
For >50 To 100, Deduct	-4.41	
For >100 To 250, Deduct	-7.08	
For >250 To 500, Deduct	-10.70	
For >500, Deduct	-14.32	
26 51 19 00-0185 EA 6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	107.03	46.15
For >50 To 100, Deduct	-4.41	
For >100 To 250, Deduct	-7.08	
For >250 To 500, Deduct	-10.70	
For >500, Deduct	-14.32	
26 51 19 00-0186 EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R).....	107.03	46.15
For >50 To 100, Deduct	-4.41	
For >100 To 250, Deduct	-7.08	
For >250 To 500, Deduct	-10.70	
For >500, Deduct	-14.32	
26 51 19 00-0187 EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB).....	107.03	46.15
For >50 To 100, Deduct	-4.41	
For >100 To 250, Deduct	-7.08	
For >250 To 500, Deduct	-10.70	
For >500, Deduct	-14.32	
26 51 19 00-0188 EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	96.86	46.15
For >50 To 100, Deduct	-4.15	
For >100 To 250, Deduct	-6.57	
For >250 To 500, Deduct	-9.69	
For >500, Deduct	-12.80	
26 51 19 00-0189 EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	96.86	46.15
For >50 To 100, Deduct	-4.15	
For >100 To 250, Deduct	-6.57	
For >250 To 500, Deduct	-9.69	
For >500, Deduct	-12.80	
26 51 19 00-0190 EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	96.86	46.15
For >50 To 100, Deduct	-4.15	
For >100 To 250, Deduct	-6.57	
For >250 To 500, Deduct	-9.69	
For >500, Deduct	-12.80	
26 51 19 00-0191 EA 6" Non-IC, New Construction Housing (Cooper Halo ET700).....	96.86	46.15
For >50 To 100, Deduct	-4.15	
For >100 To 250, Deduct	-6.57	
For >250 To 500, Deduct	-9.69	
For >500, Deduct	-12.80	
26 51 19 00-0192 EA 6" Non-IC, Remodel Housing (Cooper Halo ET700R).....	96.86	46.15
For >50 To 100, Deduct	-4.15	
For >100 To 250, Deduct	-6.57	
For >250 To 500, Deduct	-9.69	
For >500, Deduct	-12.80	
26 51 19 00-0193 EA 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	97.60	46.15
For >50 To 100, Deduct	-4.17	
For >100 To 250, Deduct	-6.61	
For >250 To 500, Deduct	-9.76	
For >500, Deduct	-12.91	
26 51 19 00-0194 EA 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	109.03	46.15
For >50 To 100, Deduct	-4.46	
For >100 To 250, Deduct	-7.18	
For >250 To 500, Deduct	-10.90	
For >500, Deduct	-14.62	
26 51 19 00-0195 EA 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	97.60	46.15
For >50 To 100, Deduct	-4.17	
For >100 To 250, Deduct	-6.61	
For >250 To 500, Deduct	-9.76	
For >500, Deduct	-12.91	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0196	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	105.80	46.15
			<i>For >50 To 100, Deduct</i>	-4.38	
			<i>For >100 To 250, Deduct</i>	-7.02	
			<i>For >250 To 500, Deduct</i>	-10.58	
			<i>For >500, Deduct</i>	-14.14	
26 51	19 00-0197	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	92.97	46.15
			<i>For >50 To 100, Deduct</i>	-4.05	
			<i>For >100 To 250, Deduct</i>	-6.38	
			<i>For >250 To 500, Deduct</i>	-9.30	
			<i>For >500, Deduct</i>	-12.22	
26 51	19 00-0198	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	94.09	46.15
			<i>For >50 To 100, Deduct</i>	-4.08	
			<i>For >100 To 250, Deduct</i>	-6.44	
			<i>For >250 To 500, Deduct</i>	-9.41	
			<i>For >500, Deduct</i>	-12.38	
26 51	19 00-0199	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	102.08	46.15
			<i>For >50 To 100, Deduct</i>	-4.28	
			<i>For >100 To 250, Deduct</i>	-6.83	
			<i>For >250 To 500, Deduct</i>	-10.21	
			<i>For >500, Deduct</i>	-13.58	
26 51	19 00-0200	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700).....	102.08	46.15
			<i>For >50 To 100, Deduct</i>	-4.28	
			<i>For >100 To 250, Deduct</i>	-6.83	
			<i>For >250 To 500, Deduct</i>	-10.21	
			<i>For >500, Deduct</i>	-13.58	
26 51	19 00-0201	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	102.08	46.15
			<i>For >50 To 100, Deduct</i>	-4.28	
			<i>For >100 To 250, Deduct</i>	-6.83	
			<i>For >250 To 500, Deduct</i>	-10.21	
			<i>For >500, Deduct</i>	-13.58	
26 51	19 00-0202	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	102.08	46.15
			<i>For >50 To 100, Deduct</i>	-4.28	
			<i>For >100 To 250, Deduct</i>	-6.83	
			<i>For >250 To 500, Deduct</i>	-10.21	
			<i>For >500, Deduct</i>	-13.58	
26 51	19 00-0203	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	102.08	46.15
			<i>For >50 To 100, Deduct</i>	-4.28	
			<i>For >100 To 250, Deduct</i>	-6.83	
			<i>For >250 To 500, Deduct</i>	-10.21	
			<i>For >500, Deduct</i>	-13.58	
26 51	19 00-0204	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK).....	77.60	21.54
			<i>For >50 To 100, Deduct</i>	-2.75	
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-7.76	
			<i>For >500, Deduct</i>	-10.83	
26 51	19 00-0205	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	79.92	21.54
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100 To 250, Deduct</i>	-4.80	
			<i>For >250 To 500, Deduct</i>	-7.99	
			<i>For >500, Deduct</i>	-11.18	
26 51	19 00-0206	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT).....	87.92	46.15
			<i>For >50 To 100, Deduct</i>	-3.93	
			<i>For >100 To 250, Deduct</i>	-6.13	
			<i>For >250 To 500, Deduct</i>	-8.79	
			<i>For >500, Deduct</i>	-11.46	
26 51	19 00-0207	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	88.19	46.15
			<i>For >50 To 100, Deduct</i>	-3.94	
			<i>For >100 To 250, Deduct</i>	-6.14	
			<i>For >250 To 500, Deduct</i>	-8.82	
			<i>For >500, Deduct</i>	-11.50	
26 51	19 00-0208	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT).....	83.38	46.15
			<i>For >50 To 100, Deduct</i>	-3.82	
			<i>For >100 To 250, Deduct</i>	-5.90	
			<i>For >250 To 500, Deduct</i>	-8.34	
			<i>For >500, Deduct</i>	-10.78	
26 51	19 00-0209	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	85.74	46.15
			<i>For >50 To 100, Deduct</i>	-3.87	
			<i>For >100 To 250, Deduct</i>	-6.02	
			<i>For >250 To 500, Deduct</i>	-8.57	
			<i>For >500, Deduct</i>	-11.13	
26 51	19 00-0210	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....	84.97	46.15
			<i>For >50 To 100, Deduct</i>	-3.85	
			<i>For >100 To 250, Deduct</i>	-5.98	
			<i>For >250 To 500, Deduct</i>	-8.50	
			<i>For >500, Deduct</i>	-11.02	
26 51	19 00-0211	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	85.69	46.15
			<i>For >50 To 100, Deduct</i>	-3.87	
			<i>For >100 To 250, Deduct</i>	-6.02	
			<i>For >250 To 500, Deduct</i>	-8.57	
			<i>For >500, Deduct</i>	-11.12	
26 51	19 00-0212	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	95.85	46.15
			<i>For >50 To 100, Deduct</i>	-4.13	
			<i>For >100 To 250, Deduct</i>	-6.52	
			<i>For >250 To 500, Deduct</i>	-9.59	
			<i>For >500, Deduct</i>	-12.65	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0213 EA 5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	96.39	46.15
For >50 To 100, Deduct	-4.14	
For >100 To 250, Deduct	-6.55	
For >250 To 500, Deduct	-9.64	
For >500, Deduct	-12.73	
26 51 19 00-0214 EA 5" Non-IC, New Construction Housing (Cooper Halo ET500).....	99.12	46.15
For >50 To 100, Deduct	-4.21	
For >100 To 250, Deduct	-6.69	
For >250 To 500, Deduct	-9.91	
For >500, Deduct	-13.14	
26 51 19 00-0215 EA 5" Non-IC, Remodel Housing (Cooper Halo ET500R).....	101.04	46.15
For >50 To 100, Deduct	-4.26	
For >100 To 250, Deduct	-6.78	
For >250 To 500, Deduct	-10.10	
For >500, Deduct	-13.43	
26 51 19 00-0216 EA 5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H251CAT).....	109.44	46.15
For >50 To 100, Deduct	-4.47	
For >100 To 250, Deduct	-7.20	
For >250 To 500, Deduct	-10.94	
For >500, Deduct	-14.69	
26 51 19 00-0217 Recessed LED Downlights (Maxlite DLR) (26 51 19 00-0108)		
26 51 19 00-0218 EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	196.49	67.68
For >50 To 100, Deduct	-7.45	
For >100 To 250, Deduct	-12.36	
For >250 To 500, Deduct	-19.65	
For >500, Deduct	-26.94	
26 51 19 00-0219 EA 4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	198.92	67.68
For >50 To 100, Deduct	-7.51	
For >100 To 250, Deduct	-12.48	
For >250 To 500, Deduct	-19.89	
For >500, Deduct	-27.30	
26 51 19 00-0220 EA 4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	206.23	67.68
For >50 To 100, Deduct	-7.69	
For >100 To 250, Deduct	-12.85	
For >250 To 500, Deduct	-20.62	
For >500, Deduct	-28.40	
26 51 19 00-0221 EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	191.61	67.68
For >50 To 100, Deduct	-7.33	
For >100 To 250, Deduct	-12.12	
For >250 To 500, Deduct	-19.16	
For >500, Deduct	-26.20	
26 51 19 00-0222 EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	191.61	67.68
For >50 To 100, Deduct	-7.33	
For >100 To 250, Deduct	-12.12	
For >250 To 500, Deduct	-19.16	
For >500, Deduct	-26.20	
26 51 19 00-0223 EA 6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	191.61	67.68
For >50 To 100, Deduct	-7.33	
For >100 To 250, Deduct	-12.12	
For >250 To 500, Deduct	-19.16	
For >500, Deduct	-26.20	
26 51 19 00-0224 EA 8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	206.23	67.68
For >50 To 100, Deduct	-7.69	
For >100 To 250, Deduct	-12.85	
For >250 To 500, Deduct	-20.62	
For >500, Deduct	-28.40	
26 51 19 00-0225 EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	208.66	67.68
For >50 To 100, Deduct	-7.75	
For >100 To 250, Deduct	-12.97	
For >250 To 500, Deduct	-20.87	
For >500, Deduct	-28.76	
26 51 19 00-0226 EA 8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	213.52	67.68
For >50 To 100, Deduct	-7.88	
For >100 To 250, Deduct	-13.21	
For >250 To 500, Deduct	-21.35	
For >500, Deduct	-29.49	
26 51 19 00-0227 EA 8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	228.13	67.68
For >50 To 100, Deduct	-8.24	
For >100 To 250, Deduct	-13.94	
For >250 To 500, Deduct	-22.81	
For >500, Deduct	-31.68	
26 51 19 00-0228 EA 8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	247.62	67.68
For >50 To 100, Deduct	-8.73	
For >100 To 250, Deduct	-14.92	
For >250 To 500, Deduct	-24.76	
For >500, Deduct	-34.60	

26 51 19 00-0229 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0107)

26 51 19 00-0230 Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0229)

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0231	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L).....	121.49	
			<i>For >50 To 100, Deduct</i>	-4.00	
			<i>For >100 To 250, Deduct</i>	-7.04	
			<i>For >250 To 500, Deduct</i>	-12.15	
			<i>For >500, Deduct</i>	-17.26	
26 51 19 00-0232	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L).....	108.02	
			<i>For >50 To 100, Deduct</i>	-3.66	
			<i>For >100 To 250, Deduct</i>	-6.36	
			<i>For >250 To 500, Deduct</i>	-10.80	
			<i>For >500, Deduct</i>	-15.24	
26 51 19 00-0233	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L).....	134.95	
			<i>For >50 To 100, Deduct</i>	-4.34	
			<i>For >100 To 250, Deduct</i>	-7.71	
			<i>For >250 To 500, Deduct</i>	-13.50	
			<i>For >500, Deduct</i>	-19.28	
26 51 19 00-0234	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277).....	150.65	
			<i>For >50 To 100, Deduct</i>	-4.73	
			<i>For >100 To 250, Deduct</i>	-8.49	
			<i>For >250 To 500, Deduct</i>	-15.07	
			<i>For >500, Deduct</i>	-21.64	
26 51 19 00-0235	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	164.11	
			<i>For >50 To 100, Deduct</i>	-5.06	
			<i>For >100 To 250, Deduct</i>	-9.17	
			<i>For >250 To 500, Deduct</i>	-16.41	
			<i>For >500, Deduct</i>	-23.66	
26 51 19 00-0236			Recessed LED Downlight Retrofits Trim (CREE®) <small>(26 51 19 00-0229)</small>		
			Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0237	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	45.50	10.77
			<i>For >50 To 100, Deduct</i>	-1.71	
			<i>For >100 To 250, Deduct</i>	-2.85	
			<i>For >250 To 500, Deduct</i>	-4.55	
			<i>For >500, Deduct</i>	-6.25	
26 51 19 00-0238	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP).....	54.48	10.77
			<i>For >50 To 100, Deduct</i>	-1.94	
			<i>For >100 To 250, Deduct</i>	-3.30	
			<i>For >250 To 500, Deduct</i>	-5.45	
			<i>For >500, Deduct</i>	-7.60	
26 51 19 00-0239	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	47.75	10.77
			<i>For >50 To 100, Deduct</i>	-1.77	
			<i>For >100 To 250, Deduct</i>	-2.96	
			<i>For >250 To 500, Deduct</i>	-4.78	
			<i>For >500, Deduct</i>	-6.59	
26 51 19 00-0240			Recessed LED Downlight Fixture Housings (CREE®) <small>(26 51 19 00-0229)</small>		
			Note: Excludes lamp and trim.		
26 51 19 00-0241	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	123.08	46.15
			<i>For >50 To 100, Deduct</i>	-4.81	
			<i>For >100 To 250, Deduct</i>	-7.88	
			<i>For >250 To 500, Deduct</i>	-12.31	
			<i>For >500, Deduct</i>	-16.73	
26 51 19 00-0242	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	91.65	46.15
			<i>For >50 To 100, Deduct</i>	-4.02	
			<i>For >100 To 250, Deduct</i>	-6.31	
			<i>For >250 To 500, Deduct</i>	-9.17	
			<i>For >500, Deduct</i>	-12.02	
26 51 19 00-0243			Can Retrofit Or Surface Mount, LED Downlights <small>(26 51 19 00-0107)</small>		
26 51 19 00-0244	EA		6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	109.64	42.16
			<i>For >50 To 100, Deduct</i>	-4.32	
			<i>For >100 To 250, Deduct</i>	-7.06	
			<i>For >250 To 500, Deduct</i>	-10.96	
			<i>For >500, Deduct</i>	-14.86	
26 51 19 00-0245	EA		4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D).....	91.61	42.16
			<i>For >50 To 100, Deduct</i>	-3.87	
			<i>For >100 To 250, Deduct</i>	-6.16	
			<i>For >250 To 500, Deduct</i>	-9.16	
			<i>For >500, Deduct</i>	-12.16	
26 51 19 00-0246	EA		6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D).....	91.61	42.16
			<i>For >50 To 100, Deduct</i>	-3.87	
			<i>For >100 To 250, Deduct</i>	-6.16	
			<i>For >250 To 500, Deduct</i>	-9.16	
			<i>For >500, Deduct</i>	-12.16	
26 51 19 00-0247	EA		6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP).....	150.17	42.16
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	56.46	
			<i>For >50 To 100, Deduct</i>	-5.34	
			<i>For >100 To 250, Deduct</i>	-9.09	
			<i>For >250 To 500, Deduct</i>	-15.02	
			<i>For >500, Deduct</i>	-20.94	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0248 EA 4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	81.54	42.16
For >50 To 100, Deduct	-3.62	
For >100 To 250, Deduct	-5.66	
For >250 To 500, Deduct	-8.15	
For >500, Deduct	-10.65	
26 51 19 00-0249 EA 5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	88.89	42.16
For >50 To 100, Deduct	-3.80	
For >100 To 250, Deduct	-6.03	
For >250 To 500, Deduct	-8.89	
For >500, Deduct	-11.75	
26 51 19 00-0250 EA 6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	925.00	42.16
For >50 To 100, Deduct	-24.71	
For >100 To 250, Deduct	-47.83	
For >250 To 500, Deduct	-92.50	
For >500, Deduct	-137.17	
26 51 19 00-0251 Wall Mount LED Cylinder Downlight (26 51 19 00-0001)		
26 51 19 00-0252 EA 9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	391.84	65.50
For >50 To 100, Deduct	-12.26	
For >100 To 250, Deduct	-22.05	
For >250 To 500, Deduct	-39.18	
For >500, Deduct	-56.32	
26 51 19 00-0253 Wall Sconce And Wall Wash LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0254 LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 19 00-0253)		
26 51 19 00-0255 EA 2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	542.44	61.53
For >50 To 100, Deduct	-15.87	
For >100 To 250, Deduct	-29.43	
For >250 To 500, Deduct	-54.24	
For >500, Deduct	-79.06	
26 51 19 00-0256 LED Wall Sconce Fixtures (Kichler) (26 51 19 00-0253)		
26 51 19 00-0257 EA 6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	310.25	61.53
For >50 To 100, Deduct	-10.06	
For >100 To 250, Deduct	-17.82	
For >250 To 500, Deduct	-31.03	
For >500, Deduct	-44.23	
26 51 19 00-0258 LED Wall Sconce Fixtures (Metalux) (26 51 19 00-0253)		
26 51 19 00-0259 EA 9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN).....	178.72	61.53
For >50 To 100, Deduct	-6.78	
For >100 To 250, Deduct	-11.24	
For >250 To 500, Deduct	-17.87	
For >500, Deduct	-24.50	
26 51 19 00-0260 EA 5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	167.92	61.53
For >50 To 100, Deduct	-6.51	
For >100 To 250, Deduct	-10.70	
For >250 To 500, Deduct	-16.79	
For >500, Deduct	-22.88	
26 51 19 00-0261 Concealed Continuous LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0262 Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 19 00-0261)		
26 51 19 00-0263 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301).....	716.02	7.02
For >50 To 100, Deduct	-18.25	
For >100 To 250, Deduct	-36.15	
For >250 To 500, Deduct	-71.60	
For >500, Deduct	-107.05	
26 51 19 00-0264 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	815.97	7.02
For >50 To 100, Deduct	-20.75	
For >100 To 250, Deduct	-41.15	
For >250 To 500, Deduct	-81.60	
For >500, Deduct	-122.04	
26 51 19 00-0265 Low Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0266 LED Linear Low Bay Fixtures (PlanLED) (26 51 19 00-0265)		
26 51 19 00-0267 EA 4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4).....	393.57	84.33
For >50 To 100, Deduct	-13.35	
For >100 To 250, Deduct	-23.19	
For >250 To 500, Deduct	-39.36	
For >500, Deduct	-55.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0268 EA 4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A).....	524.30	84.33
For>50 To 100, Deduct	-16.62	
For>100 To 250, Deduct	-29.73	
For>250 To 500, Deduct	-52.43	
For>500, Deduct	-75.13	
26 51 19 00-0269 EA 8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	860.95	105.41
For>50 To 100, Deduct	-25.92	
For>100 To 250, Deduct	-47.44	
For>250 To 500, Deduct	-86.10	
For>500, Deduct	-124.75	
26 51 19 00-0270 LED Low Bay Fixtures (CREE®) (26 51 19 00-0265)		
26 51 19 00-0271 LED Low Bay Fixtures (CREE® LS) (26 51 19 00-0270)		
Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0272 EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V).....	363.71	84.33
For>50 To 100, Deduct	-12.61	
For>100 To 250, Deduct	-21.70	
For>250 To 500, Deduct	-36.37	
For>500, Deduct	-51.04	
26 51 19 00-0273 EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V).....	386.59	84.33
For>50 To 100, Deduct	-13.18	
For>100 To 250, Deduct	-22.84	
For>250 To 500, Deduct	-38.66	
For>500, Deduct	-54.47	
26 51 19 00-0274 EA 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V).....	373.24	84.33
For>50 To 100, Deduct	-12.84	
For>100 To 250, Deduct	-22.18	
For>250 To 500, Deduct	-37.32	
For>500, Deduct	-52.47	
26 51 19 00-0275 EA 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V).....	396.13	84.33
For>50 To 100, Deduct	-13.42	
For>100 To 250, Deduct	-23.32	
For>250 To 500, Deduct	-39.61	
For>500, Deduct	-55.91	
26 51 19 00-0276 EA 5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V).....	413.30	84.33
For>50 To 100, Deduct	-13.85	
For>100 To 250, Deduct	-24.18	
For>250 To 500, Deduct	-41.33	
For>500, Deduct	-58.48	
26 51 19 00-0277 EA 5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V).....	436.19	84.33
For>50 To 100, Deduct	-14.42	
For>100 To 250, Deduct	-25.32	
For>250 To 500, Deduct	-43.62	
For>500, Deduct	-61.91	
26 51 19 00-0278 EA 8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V).....	576.23	105.41
For>50 To 100, Deduct	-18.80	
For>100 To 250, Deduct	-33.20	
For>250 To 500, Deduct	-57.62	
For>500, Deduct	-82.04	
26 51 19 00-0279 EA 8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V).....	618.19	105.41
For>50 To 100, Deduct	-19.85	
For>100 To 250, Deduct	-35.30	
For>250 To 500, Deduct	-61.82	
For>500, Deduct	-88.34	
26 51 19 00-0280 EA 10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V).....	705.93	105.41
For>50 To 100, Deduct	-22.04	
For>100 To 250, Deduct	-39.69	
For>250 To 500, Deduct	-70.59	
For>500, Deduct	-101.50	
26 51 19 00-0281 EA 10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V).....	728.81	105.41
For>50 To 100, Deduct	-22.61	
For>100 To 250, Deduct	-40.83	
For>250 To 500, Deduct	-72.88	
For>500, Deduct	-104.93	
26 51 19 00-0282 LED Low Bay Fixtures (CREE® LN) (26 51 19 00-0270)		
Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0283 EA 3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V).....	787.13	84.33
For>50 To 100, Deduct	-23.19	
For>100 To 250, Deduct	-42.87	
For>250 To 500, Deduct	-78.71	
For>500, Deduct	-114.56	
26 51 19 00-0284 EA 3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA).....	882.50	84.33
For>50 To 100, Deduct	-25.58	
For>100 To 250, Deduct	-47.64	
For>250 To 500, Deduct	-88.25	
For>500, Deduct	-128.86	
26 51 19 00-0285 LED Linear Low Bay Fixtures (CREE® CS) (26 51 19 00-0270)		
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0286	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	761.98	84.33
			<i>For >50 To 100, Deduct</i>	-22.56	
			<i>For >100 To 250, Deduct</i>	-41.61	
			<i>For >250 To 500, Deduct</i>	-76.20	
			<i>For >500, Deduct</i>	-110.78	
26 51 19 00-0287	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	947.45	105.41
			<i>For >50 To 100, Deduct</i>	-28.08	
			<i>For >100 To 250, Deduct</i>	-51.76	
			<i>For >250 To 500, Deduct</i>	-94.75	
			<i>For >500, Deduct</i>	-137.73	
26 51 19 00-0288	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	1,196.53	105.41
			<i>For >50 To 100, Deduct</i>	-34.31	
			<i>For >100 To 250, Deduct</i>	-64.22	
			<i>For >250 To 500, Deduct</i>	-119.65	
			<i>For >500, Deduct</i>	-175.09	
26 51 19 00-0289			Accessories For LED Low Bay Fixtures (CREE®) <small>(26 51 19 00-0270)</small>		
26 51 19 00-0290	EA		Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	72.17	23.10
			<i>For >50 To 100, Deduct</i>	-2.77	
			<i>For >100 To 250, Deduct</i>	-4.57	
			<i>For >250 To 500, Deduct</i>	-7.22	
			<i>For >500, Deduct</i>	-9.86	
26 51 19 00-0291	EA		Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	78.91	23.10
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100 To 250, Deduct</i>	-4.91	
			<i>For >250 To 500, Deduct</i>	-7.89	
			<i>For >500, Deduct</i>	-10.87	
26 51 19 00-0292	EA		Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ).....	60.94	23.10
			<i>For >50 To 100, Deduct</i>	-2.49	
			<i>For >100 To 250, Deduct</i>	-4.01	
			<i>For >250 To 500, Deduct</i>	-6.09	
			<i>For >500, Deduct</i>	-8.18	
26 51 19 00-0293	EA		Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	49.73	23.10
			<i>For >50 To 100, Deduct</i>	-2.21	
			<i>For >100 To 250, Deduct</i>	-3.45	
			<i>For >250 To 500, Deduct</i>	-4.97	
			<i>For >500, Deduct</i>	-6.50	
26 51 19 00-0294	EA		Solid Reflector, Pair (Cree® LS4-SR).....	150.70	23.10
			<i>For >50 To 100, Deduct</i>	-4.73	
			<i>For >100 To 250, Deduct</i>	-8.50	
			<i>For >250 To 500, Deduct</i>	-15.07	
			<i>For >500, Deduct</i>	-21.64	
26 51 19 00-0295	EA		Solid Reflector, Pair (Cree® LS8-SR).....	206.81	23.10
			<i>For >50 To 100, Deduct</i>	-6.13	
			<i>For >100 To 250, Deduct</i>	-11.30	
			<i>For >250 To 500, Deduct</i>	-20.68	
			<i>For >500, Deduct</i>	-30.06	
26 51 19 00-0296	EA		5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	78.91	23.10
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100 To 250, Deduct</i>	-4.91	
			<i>For >250 To 500, Deduct</i>	-7.89	
			<i>For >500, Deduct</i>	-10.87	
26 51 19 00-0297	EA		5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	110.32	23.10
			<i>For >50 To 100, Deduct</i>	-3.72	
			<i>For >100 To 250, Deduct</i>	-6.48	
			<i>For >250 To 500, Deduct</i>	-11.03	
			<i>For >500, Deduct</i>	-15.59	
26 51 19 00-0298	EA		5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	87.87	23.10
			<i>For >50 To 100, Deduct</i>	-3.16	
			<i>For >100 To 250, Deduct</i>	-5.36	
			<i>For >250 To 500, Deduct</i>	-8.79	
			<i>For >500, Deduct</i>	-12.22	
26 51 19 00-0299	EA		5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	117.05	23.10
			<i>For >50 To 100, Deduct</i>	-3.89	
			<i>For >100 To 250, Deduct</i>	-6.82	
			<i>For >250 To 500, Deduct</i>	-11.71	
			<i>For >500, Deduct</i>	-16.59	
26 51 19 00-0300	EA		5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	123.79	23.10
			<i>For >50 To 100, Deduct</i>	-4.06	
			<i>For >100 To 250, Deduct</i>	-7.15	
			<i>For >250 To 500, Deduct</i>	-12.38	
			<i>For >500, Deduct</i>	-17.61	
26 51 19 00-0301	EA		5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	105.82	23.10
			<i>For >50 To 100, Deduct</i>	-3.61	
			<i>For >100 To 250, Deduct</i>	-6.25	
			<i>For >250 To 500, Deduct</i>	-10.58	
			<i>For >500, Deduct</i>	-14.91	
26 51 19 00-0302	EA		5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	157.43	23.10
			<i>For >50 To 100, Deduct</i>	-4.90	
			<i>For >100 To 250, Deduct</i>	-8.83	
			<i>For >250 To 500, Deduct</i>	-15.74	
			<i>For >500, Deduct</i>	-22.65	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0303	EA		Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	83.39	23.10
			<i>For >50 To 100, Deduct</i>	-3.05	
			<i>For >100 To 250, Deduct</i>	-5.13	
			<i>For >250 To 500, Deduct</i>	-8.34	
			<i>For >500, Deduct</i>	-11.55	
26 51 19 00-0304	EA		Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	101.34	23.10
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100 To 250, Deduct</i>	-6.03	
			<i>For >250 To 500, Deduct</i>	-10.13	
			<i>For >500, Deduct</i>	-14.24	
26 51 19 00-0305	EA		Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	78.91	23.10
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100 To 250, Deduct</i>	-4.91	
			<i>For >250 To 500, Deduct</i>	-7.89	
			<i>For >500, Deduct</i>	-10.87	
26 51 19 00-0306	EA		Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,486.77	56.22
			<i>For >50 To 100, Deduct</i>	-39.28	
			<i>For >100 To 250, Deduct</i>	-76.45	
			<i>For >250 To 500, Deduct</i>	-148.68	
			<i>For >500, Deduct</i>	-220.91	
26 51 19 00-0307	EA		120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	533.10	56.22
			<i>For >50 To 100, Deduct</i>	-15.44	
			<i>For >100 To 250, Deduct</i>	-28.76	
			<i>For >250 To 500, Deduct</i>	-53.31	
			<i>For >500, Deduct</i>	-77.86	
26 51 19 00-0308			LED Linear Low Bay Fixtures (Lithonia MSL) <small>(26 51 19 00-0265)</small>		
			Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0309	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	999.29	84.33
			<i>For >50 To 100, Deduct</i>	-28.50	
			<i>For >100 To 250, Deduct</i>	-53.48	
			<i>For >250 To 500, Deduct</i>	-99.93	
			<i>For >500, Deduct</i>	-146.38	
26 51 19 00-0310			High Bay LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0311			LED High Bay Fixtures (Columbia Lighting LWS) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0312	EA		16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	556.01	154.61
			<i>For >50 To 100, Deduct</i>	-21.63	
			<i>For >100 To 250, Deduct</i>	-35.53	
			<i>For >250 To 500, Deduct</i>	-55.60	
			<i>For >500, Deduct</i>	-75.67	
26 51 19 00-0313	EA		16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	556.01	154.61
			<i>For >50 To 100, Deduct</i>	-21.63	
			<i>For >100 To 250, Deduct</i>	-35.53	
			<i>For >250 To 500, Deduct</i>	-55.60	
			<i>For >500, Deduct</i>	-75.67	
26 51 19 00-0314	EA		16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	615.25	154.61
			<i>For >50 To 100, Deduct</i>	-23.11	
			<i>For >100 To 250, Deduct</i>	-38.49	
			<i>For >250 To 500, Deduct</i>	-61.53	
			<i>For >500, Deduct</i>	-84.56	
26 51 19 00-0315	EA		16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	615.25	154.61
			<i>For >50 To 100, Deduct</i>	-23.11	
			<i>For >100 To 250, Deduct</i>	-38.49	
			<i>For >250 To 500, Deduct</i>	-61.53	
			<i>For >500, Deduct</i>	-84.56	
26 51 19 00-0316	EA		16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	713.97	154.61
			<i>For >50 To 100, Deduct</i>	-25.58	
			<i>For >100 To 250, Deduct</i>	-43.43	
			<i>For >250 To 500, Deduct</i>	-71.40	
			<i>For >500, Deduct</i>	-99.37	
26 51 19 00-0317	EA		16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	713.97	154.61
			<i>For >50 To 100, Deduct</i>	-25.58	
			<i>For >100 To 250, Deduct</i>	-43.43	
			<i>For >250 To 500, Deduct</i>	-71.40	
			<i>For >500, Deduct</i>	-99.37	
26 51 19 00-0318	EA		16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	753.45	154.61
			<i>For >50 To 100, Deduct</i>	-26.57	
			<i>For >100 To 250, Deduct</i>	-45.40	
			<i>For >250 To 500, Deduct</i>	-75.35	
			<i>For >500, Deduct</i>	-105.29	
26 51 19 00-0319	EA		16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	753.45	154.61
			<i>For >50 To 100, Deduct</i>	-26.57	
			<i>For >100 To 250, Deduct</i>	-45.40	
			<i>For >250 To 500, Deduct</i>	-75.35	
			<i>For >500, Deduct</i>	-105.29	
26 51 19 00-0320	EA		16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	783.07	154.61
			<i>For >50 To 100, Deduct</i>	-27.31	
			<i>For >100 To 250, Deduct</i>	-46.88	
			<i>For >250 To 500, Deduct</i>	-78.31	
			<i>For >500, Deduct</i>	-109.73	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0321	EA		16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU).....	783.07	154.61
			<i>For >50 To 100, Deduct</i>	-27.31	
			<i>For >100 To 250, Deduct</i>	-46.88	
			<i>For >250 To 500, Deduct</i>	-78.31	
			<i>For >500, Deduct</i>	-109.73	
26 51 19 00-0322			LED High Bay Fixtures (Cree) (26 51 19 00-0310)		
26 51 19 00-0323			LED High Bay Fixtures (CREE®) (26 51 19 00-0322)		
26 51 19 00-0324	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V).....	955.79	154.61
			<i>For >50 To 100, Deduct</i>	-31.63	
			<i>For >100 To 250, Deduct</i>	-55.52	
			<i>For >250 To 500, Deduct</i>	-95.58	
			<i>For >500, Deduct</i>	-135.64	
26 51 19 00-0325	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,139.45	154.61
			<i>For >50 To 100, Deduct</i>	-36.22	
			<i>For >100 To 250, Deduct</i>	-64.70	
			<i>For >250 To 500, Deduct</i>	-113.95	
			<i>For >500, Deduct</i>	-163.19	
26 51 19 00-0326	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	1,049.71	154.61
			<i>For >50 To 100, Deduct</i>	-33.97	
			<i>For >100 To 250, Deduct</i>	-60.22	
			<i>For >250 To 500, Deduct</i>	-104.97	
			<i>For >500, Deduct</i>	-149.73	
26 51 19 00-0327	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	1,195.56	154.61
			<i>For >50 To 100, Deduct</i>	-37.62	
			<i>For >100 To 250, Deduct</i>	-67.51	
			<i>For >250 To 500, Deduct</i>	-119.56	
			<i>For >500, Deduct</i>	-171.60	
26 51 19 00-0328	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	988.22	154.61
			<i>For >50 To 100, Deduct</i>	-32.44	
			<i>For >100 To 250, Deduct</i>	-57.14	
			<i>For >250 To 500, Deduct</i>	-98.82	
			<i>For >500, Deduct</i>	-140.50	
26 51 19 00-0329	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	1,173.11	154.61
			<i>For >50 To 100, Deduct</i>	-37.06	
			<i>For >100 To 250, Deduct</i>	-66.39	
			<i>For >250 To 500, Deduct</i>	-117.31	
			<i>For >500, Deduct</i>	-168.24	
26 51 19 00-0330	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	1,083.36	154.61
			<i>For >50 To 100, Deduct</i>	-34.81	
			<i>For >100 To 250, Deduct</i>	-61.90	
			<i>For >250 To 500, Deduct</i>	-108.34	
			<i>For >500, Deduct</i>	-154.77	
26 51 19 00-0331	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,229.21	154.61
			<i>For >50 To 100, Deduct</i>	-38.46	
			<i>For >100 To 250, Deduct</i>	-69.19	
			<i>For >250 To 500, Deduct</i>	-122.92	
			<i>For >500, Deduct</i>	-176.65	
26 51 19 00-0332			Accessories For LED High Bay Fixtures (CREE®) (26 51 19 00-0322)		
26 51 19 00-0333	EA		15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	72.17	23.10
			<i>For >50 To 100, Deduct</i>	-2.77	
			<i>For >100 To 250, Deduct</i>	-4.57	
			<i>For >250 To 500, Deduct</i>	-7.22	
			<i>For >500, Deduct</i>	-9.86	
26 51 19 00-0334	EA		15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	72.17	23.10
			<i>For >50 To 100, Deduct</i>	-2.77	
			<i>For >100 To 250, Deduct</i>	-4.57	
			<i>For >250 To 500, Deduct</i>	-7.22	
			<i>For >500, Deduct</i>	-9.86	
26 51 19 00-0335	EA		16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	94.60	23.10
			<i>For >50 To 100, Deduct</i>	-3.33	
			<i>For >100 To 250, Deduct</i>	-5.69	
			<i>For >250 To 500, Deduct</i>	-9.46	
			<i>For >500, Deduct</i>	-13.23	
26 51 19 00-0336	EA		16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16).....	139.48	23.10
			<i>For >50 To 100, Deduct</i>	-4.45	
			<i>For >100 To 250, Deduct</i>	-7.94	
			<i>For >250 To 500, Deduct</i>	-13.95	
			<i>For >500, Deduct</i>	-19.96	
26 51 19 00-0337	EA		16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	161.93	23.10
			<i>For >50 To 100, Deduct</i>	-5.01	
			<i>For >100 To 250, Deduct</i>	-9.06	
			<i>For >250 To 500, Deduct</i>	-16.19	
			<i>For >500, Deduct</i>	-23.33	
26 51 19 00-0338	EA		16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	94.60	23.10
			<i>For >50 To 100, Deduct</i>	-3.33	
			<i>For >100 To 250, Deduct</i>	-5.69	
			<i>For >250 To 500, Deduct</i>	-9.46	
			<i>For >500, Deduct</i>	-13.23	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0339	EA		16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16).....	96.86	23.10
			<i>For >50 To 100, Deduct</i>	-3.38	
			<i>For >100 To 250, Deduct</i>	-5.81	
			<i>For >250 To 500, Deduct</i>	-9.69	
			<i>For >500, Deduct</i>	-13.57	
26 51 19 00-0340	EA		16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	72.17	23.10
			<i>For >50 To 100, Deduct</i>	-2.77	
			<i>For >100 To 250, Deduct</i>	-4.57	
			<i>For >250 To 500, Deduct</i>	-7.22	
			<i>For >500, Deduct</i>	-9.86	
26 51 19 00-0341	EA		16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	76.66	23.10
			<i>For >50 To 100, Deduct</i>	-2.88	
			<i>For >100 To 250, Deduct</i>	-4.80	
			<i>For >250 To 500, Deduct</i>	-7.67	
			<i>For >500, Deduct</i>	-10.54	
26 51 19 00-0342	EA		5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5).....	51.98	23.10
			<i>For >50 To 100, Deduct</i>	-2.26	
			<i>For >100 To 250, Deduct</i>	-3.56	
			<i>For >250 To 500, Deduct</i>	-5.20	
			<i>For >500, Deduct</i>	-6.83	
26 51 19 00-0343	EA		10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10).....	54.23	23.10
			<i>For >50 To 100, Deduct</i>	-2.32	
			<i>For >100 To 250, Deduct</i>	-3.67	
			<i>For >250 To 500, Deduct</i>	-5.42	
			<i>For >500, Deduct</i>	-7.17	
26 51 19 00-0344			LED High Bay Fixtures (DLE) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0345	EA		12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV).....	1,487.86	154.61
			<i>For >50 To 100, Deduct</i>	-44.93	
			<i>For >100 To 250, Deduct</i>	-82.12	
			<i>For >250 To 500, Deduct</i>	-148.79	
			<i>For >500, Deduct</i>	-215.45	
26 51 19 00-0346	EA		18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV).....	1,812.57	154.61
			<i>For >50 To 100, Deduct</i>	-53.04	
			<i>For >100 To 250, Deduct</i>	-98.36	
			<i>For >250 To 500, Deduct</i>	-181.26	
			<i>For >500, Deduct</i>	-264.16	
26 51 19 00-0347	EA		24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV).....	2,114.09	154.61
			<i>For >50 To 100, Deduct</i>	-60.58	
			<i>For >100 To 250, Deduct</i>	-113.43	
			<i>For >250 To 500, Deduct</i>	-211.41	
			<i>For >500, Deduct</i>	-309.38	
26 51 19 00-0348			LED High Bay Fixtures (Everlast) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0349			LED High Bay Fixtures (Everlast EL-LED-LG) <small>(26 51 19 00-0348)</small>		
26 51 19 00-0350	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	1,026.10	154.61
			<i>For >50 To 100, Deduct</i>	-33.38	
			<i>For >100 To 250, Deduct</i>	-59.04	
			<i>For >250 To 500, Deduct</i>	-102.61	
			<i>For >500, Deduct</i>	-146.18	
26 51 19 00-0351	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,080.92	154.61
			<i>For >50 To 100, Deduct</i>	-34.75	
			<i>For >100 To 250, Deduct</i>	-61.78	
			<i>For >250 To 500, Deduct</i>	-108.09	
			<i>For >500, Deduct</i>	-154.41	
26 51 19 00-0352	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16).....	971.28	154.61
			<i>For >50 To 100, Deduct</i>	-32.01	
			<i>For >100 To 250, Deduct</i>	-56.29	
			<i>For >250 To 500, Deduct</i>	-97.13	
			<i>For >500, Deduct</i>	-137.96	
26 51 19 00-0353	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22).....	994.47	154.61
			<i>For >50 To 100, Deduct</i>	-32.59	
			<i>For >100 To 250, Deduct</i>	-57.45	
			<i>For >250 To 500, Deduct</i>	-99.45	
			<i>For >500, Deduct</i>	-141.44	
26 51 19 00-0354	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	1,120.98	154.61
			<i>For >50 To 100, Deduct</i>	-35.75	
			<i>For >100 To 250, Deduct</i>	-63.78	
			<i>For >250 To 500, Deduct</i>	-112.10	
			<i>For >500, Deduct</i>	-160.42	
26 51 19 00-0355	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,215.87	154.61
			<i>For >50 To 100, Deduct</i>	-38.13	
			<i>For >100 To 250, Deduct</i>	-68.52	
			<i>For >250 To 500, Deduct</i>	-121.59	
			<i>For >500, Deduct</i>	-174.65	
26 51 19 00-0356	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16).....	1,070.38	154.61
			<i>For >50 To 100, Deduct</i>	-34.49	
			<i>For >100 To 250, Deduct</i>	-61.25	
			<i>For >250 To 500, Deduct</i>	-107.04	
			<i>For >500, Deduct</i>	-152.83	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0357	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,152.61	154.61
			<i>For >50 To 100, Deduct</i>	-36.55	
			<i>For >100 To 250, Deduct</i>	-65.36	
			<i>For >250 To 500, Deduct</i>	-115.26	
			<i>For >500, Deduct</i>	-165.16	
26 51	19 00-0358	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,648.11	154.61
			<i>For >50 To 100, Deduct</i>	-48.93	
			<i>For >100 To 250, Deduct</i>	-90.14	
			<i>For >250 To 500, Deduct</i>	-164.81	
			<i>For >500, Deduct</i>	-239.49	
26 51	19 00-0359	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,795.71	154.61
			<i>For >50 To 100, Deduct</i>	-52.62	
			<i>For >100 To 250, Deduct</i>	-97.52	
			<i>For >250 To 500, Deduct</i>	-179.57	
			<i>For >500, Deduct</i>	-261.63	
26 51	19 00-0360	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,217.41	154.61
			<i>For >50 To 100, Deduct</i>	-63.17	
			<i>For >100 To 250, Deduct</i>	-118.60	
			<i>For >250 To 500, Deduct</i>	-221.74	
			<i>For >500, Deduct</i>	-324.88	
26 51 19 00-0361 LED High Bay Fixtures (Everlast EL-LED-CS) (26 51 19 00-0348)					
26 51	19 00-0362	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	667.66	154.61
			<i>For >50 To 100, Deduct</i>	-24.42	
			<i>For >100 To 250, Deduct</i>	-41.11	
			<i>For >250 To 500, Deduct</i>	-66.77	
			<i>For >500, Deduct</i>	-92.42	
26 51	19 00-0363	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	952.30	154.61
			<i>For >50 To 100, Deduct</i>	-31.54	
			<i>For >100 To 250, Deduct</i>	-55.35	
			<i>For >250 To 500, Deduct</i>	-95.23	
			<i>For >500, Deduct</i>	-135.11	
26 51	19 00-0364	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,078.81	154.61
			<i>For >50 To 100, Deduct</i>	-34.70	
			<i>For >100 To 250, Deduct</i>	-61.67	
			<i>For >250 To 500, Deduct</i>	-107.88	
			<i>For >500, Deduct</i>	-154.09	
26 51	19 00-0365	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,226.41	154.61
			<i>For >50 To 100, Deduct</i>	-38.39	
			<i>For >100 To 250, Deduct</i>	-69.05	
			<i>For >250 To 500, Deduct</i>	-122.64	
			<i>For >500, Deduct</i>	-176.23	
26 51	19 00-0366	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,321.29	154.61
			<i>For >50 To 100, Deduct</i>	-40.76	
			<i>For >100 To 250, Deduct</i>	-73.79	
			<i>For >250 To 500, Deduct</i>	-132.13	
			<i>For >500, Deduct</i>	-190.46	
26 51 19 00-0367 LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0348)					
26 51	19 00-0368	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	857.42	154.61
			<i>For >50 To 100, Deduct</i>	-29.17	
			<i>For >100 To 250, Deduct</i>	-50.60	
			<i>For >250 To 500, Deduct</i>	-85.74	
			<i>For >500, Deduct</i>	-120.88	
26 51	19 00-0369	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	910.13	154.61
			<i>For >50 To 100, Deduct</i>	-30.48	
			<i>For >100 To 250, Deduct</i>	-53.24	
			<i>For >250 To 500, Deduct</i>	-91.01	
			<i>For >500, Deduct</i>	-128.79	
26 51	19 00-0370	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	983.93	154.61
			<i>For >50 To 100, Deduct</i>	-32.33	
			<i>For >100 To 250, Deduct</i>	-56.93	
			<i>For >250 To 500, Deduct</i>	-98.39	
			<i>For >500, Deduct</i>	-139.86	
26 51 19 00-0371 LED High Bay Fixtures (Everlast EL-LED-LHB) (26 51 19 00-0348)					
26 51	19 00-0372	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	870.07	154.61
			<i>For >50 To 100, Deduct</i>	-29.48	
			<i>For >100 To 250, Deduct</i>	-51.23	
			<i>For >250 To 500, Deduct</i>	-87.01	
			<i>For >500, Deduct</i>	-122.78	
26 51	19 00-0373	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,057.73	154.61
			<i>For >50 To 100, Deduct</i>	-34.17	
			<i>For >100 To 250, Deduct</i>	-60.62	
			<i>For >250 To 500, Deduct</i>	-105.77	
			<i>For >500, Deduct</i>	-150.93	
26 51	19 00-0374	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,300.21	154.61
			<i>For >50 To 100, Deduct</i>	-40.24	
			<i>For >100 To 250, Deduct</i>	-72.74	
			<i>For >250 To 500, Deduct</i>	-130.02	
			<i>For >500, Deduct</i>	-187.30	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0375		LED High Bay Fixtures (Lithonia IBG) <small>(26 51 19 00-0310)</small>		
	26 51 19 00-0376	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	463.05	151.79
			<i>For >50 To 100, Deduct</i>	-17.35	
			<i>For >100 To 250, Deduct</i>	-28.93	
			<i>For >250 To 500, Deduct</i>	-46.31	
			<i>For >500, Deduct</i>	-63.68	
	26 51 19 00-0377	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	478.59	151.79
			<i>For >50 To 100, Deduct</i>	-17.74	
			<i>For >100 To 250, Deduct</i>	-29.70	
			<i>For >250 To 500, Deduct</i>	-47.86	
			<i>For >500, Deduct</i>	-66.02	
	26 51 19 00-0378	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	513.56	151.79
			<i>For >50 To 100, Deduct</i>	-18.61	
			<i>For >100 To 250, Deduct</i>	-31.45	
			<i>For >250 To 500, Deduct</i>	-51.36	
			<i>For >500, Deduct</i>	-71.26	
	26 51 19 00-0379	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	568.77	151.79
			<i>For >50 To 100, Deduct</i>	-19.99	
			<i>For >100 To 250, Deduct</i>	-34.21	
			<i>For >250 To 500, Deduct</i>	-56.88	
			<i>For >500, Deduct</i>	-79.54	
	26 51 19 00-0380	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	613.72	151.79
			<i>For >50 To 100, Deduct</i>	-21.12	
			<i>For >100 To 250, Deduct</i>	-36.46	
			<i>For >250 To 500, Deduct</i>	-61.37	
			<i>For >500, Deduct</i>	-86.29	
	26 51 19 00-0381	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	719.38	151.79
			<i>For >50 To 100, Deduct</i>	-23.76	
			<i>For >100 To 250, Deduct</i>	-41.74	
			<i>For >250 To 500, Deduct</i>	-71.94	
			<i>For >500, Deduct</i>	-102.13	
	26 51 19 00-0382	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	854.28	151.79
			<i>For >50 To 100, Deduct</i>	-27.13	
			<i>For >100 To 250, Deduct</i>	-48.49	
			<i>For >250 To 500, Deduct</i>	-85.43	
			<i>For >500, Deduct</i>	-122.37	
	26 51 19 00-0383	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,223.37	154.61
			<i>For >50 To 100, Deduct</i>	-38.31	
			<i>For >100 To 250, Deduct</i>	-68.90	
			<i>For >250 To 500, Deduct</i>	-122.34	
			<i>For >500, Deduct</i>	-175.78	
26 51	19 00-0384		LED High Bay Fixtures (Lithonia IBL) <small>(26 51 19 00-0310)</small>		
	26 51 19 00-0385	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	687.47	154.61
			<i>For >50 To 100, Deduct</i>	-24.92	
			<i>For >100 To 250, Deduct</i>	-42.10	
			<i>For >250 To 500, Deduct</i>	-68.75	
			<i>For >500, Deduct</i>	-95.39	
	26 51 19 00-0386	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	736.83	154.61
			<i>For >50 To 100, Deduct</i>	-26.15	
			<i>For >100 To 250, Deduct</i>	-44.57	
			<i>For >250 To 500, Deduct</i>	-73.68	
			<i>For >500, Deduct</i>	-102.79	
	26 51 19 00-0387	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	870.11	154.61
			<i>For >50 To 100, Deduct</i>	-29.48	
			<i>For >100 To 250, Deduct</i>	-51.24	
			<i>For >250 To 500, Deduct</i>	-87.01	
			<i>For >500, Deduct</i>	-122.79	
	26 51 19 00-0388	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	923.42	154.61
			<i>For >50 To 100, Deduct</i>	-30.82	
			<i>For >100 To 250, Deduct</i>	-53.90	
			<i>For >250 To 500, Deduct</i>	-92.34	
			<i>For >500, Deduct</i>	-130.78	
26 51	19 00-0389		LED High Bay Fixtures (Metalux SSLED) <small>(26 51 19 00-0310)</small>		
	26 51 19 00-0390	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	800.78	154.61
			<i>For >50 To 100, Deduct</i>	-27.75	
			<i>For >100 To 250, Deduct</i>	-47.77	
			<i>For >250 To 500, Deduct</i>	-80.08	
			<i>For >500, Deduct</i>	-112.39	
	26 51 19 00-0391	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	820.09	154.61
			<i>For >50 To 100, Deduct</i>	-28.23	
			<i>For >100 To 250, Deduct</i>	-48.73	
			<i>For >250 To 500, Deduct</i>	-82.01	
			<i>For >500, Deduct</i>	-115.28	
	26 51 19 00-0392	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	827.87	154.61
			<i>For >50 To 100, Deduct</i>	-28.43	
			<i>For >100 To 250, Deduct</i>	-49.12	
			<i>For >250 To 500, Deduct</i>	-82.79	
			<i>For >500, Deduct</i>	-116.45	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0393 EA 24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U).....	901.92	154.61
For >50 To 100, Deduct	-30.28	
For >100 To 250, Deduct	-52.83	
For >250 To 500, Deduct	-90.19	
For >500, Deduct	-127.56	
26 51 19 00-0394 EA 30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U).....	988.17	154.61
For >50 To 100, Deduct	-32.43	
For >100 To 250, Deduct	-57.14	
For >250 To 500, Deduct	-98.82	
For >500, Deduct	-140.50	
26 51 19 00-0395 EA 36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U).....	1,020.54	154.61
For >50 To 100, Deduct	-33.24	
For >100 To 250, Deduct	-58.76	
For >250 To 500, Deduct	-102.05	
For >500, Deduct	-145.35	
26 51 19 00-0396 LED High Bay Fixtures (PlanLED) (26 51 19 00-0310)		
26 51 19 00-0397 LED High Bay Fixtures (PlanLED LUNA) (26 51 19 00-0396)		
Note: Includes aluminum alloy chassis.		
26 51 19 00-0398 EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70).....	1,000.80	154.61
For >50 To 100, Deduct	-32.75	
For >100 To 250, Deduct	-57.77	
For >250 To 500, Deduct	-100.08	
For >500, Deduct	-142.39	
26 51 19 00-0399 EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98).....	1,118.88	154.61
For >50 To 100, Deduct	-35.70	
For >100 To 250, Deduct	-63.67	
For >250 To 500, Deduct	-111.89	
For >500, Deduct	-160.10	
26 51 19 00-0400 EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130).....	1,289.66	154.61
For >50 To 100, Deduct	-39.97	
For >100 To 250, Deduct	-72.21	
For >250 To 500, Deduct	-128.97	
For >500, Deduct	-185.72	
26 51 19 00-0401 EA 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160).....	1,456.24	154.61
For >50 To 100, Deduct	-44.14	
For >100 To 250, Deduct	-80.54	
For >250 To 500, Deduct	-145.62	
For >500, Deduct	-210.71	
26 51 19 00-0402 LED High Bay Fixtures (PlanLED IBL) (26 51 19 00-0396)		
Note: Includes aluminum alloy chassis.		
26 51 19 00-0403 EA 13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	1,085.14	154.61
For 480 Volt, Add	59.16	
For >50 To 100, Deduct	-34.86	
For >100 To 250, Deduct	-61.99	
For >250 To 500, Deduct	-108.51	
For >500, Deduct	-155.04	
26 51 19 00-0404 EA 21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	1,496.30	154.61
For 480 Volt, Add	74.97	
For >50 To 100, Deduct	-45.14	
For >100 To 250, Deduct	-82.55	
For >250 To 500, Deduct	-149.63	
For >500, Deduct	-216.71	
26 51 19 00-0405 EA 42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	2,628.57	154.61
For 480 Volt, Add	118.95	
For >50 To 100, Deduct	-73.44	
For >100 To 250, Deduct	-139.16	
For >250 To 500, Deduct	-262.86	
For >500, Deduct	-386.56	
26 51 19 00-0406 LED High Bay Fixtures (PlanLED SEGA) (26 51 19 00-0396)		
Note: Includes aluminum alloy chassis.		
26 51 19 00-0407 EA 10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080).....	863.75	154.61
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-29.32	
For >100 To 250, Deduct	-50.92	
For >250 To 500, Deduct	-86.38	
For >500, Deduct	-121.83	
26 51 19 00-0408 EA 13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100).....	920.68	154.61
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-30.75	
For >100 To 250, Deduct	-53.76	
For >250 To 500, Deduct	-92.07	
For >500, Deduct	-130.37	
26 51 19 00-0409 EA 16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130).....	1,116.77	154.61
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-35.65	
For >100 To 250, Deduct	-63.57	
For >250 To 500, Deduct	-111.68	
For >500, Deduct	-159.79	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0410	EA		20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,258.04	154.61
			<i>For 0 To 10 Volt Dimming, Add</i>	91.12	
			<i>For >50 To 100, Deduct</i>	-39.18	
			<i>For >100 To 250, Deduct</i>	-70.63	
			<i>For >250 To 500, Deduct</i>	-125.80	
			<i>For >500, Deduct</i>	-180.98	
26 51 19 00-0411	EA		50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	2,299.64	154.61
			<i>For >50 To 100, Deduct</i>	-65.22	
			<i>For >100 To 250, Deduct</i>	-122.71	
			<i>For >250 To 500, Deduct</i>	-229.96	
			<i>For >500, Deduct</i>	-337.22	
26 51 19 00-0412	EA		57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	2,485.19	154.61
			<i>For >50 To 100, Deduct</i>	-69.86	
			<i>For >100 To 250, Deduct</i>	-131.99	
			<i>For >250 To 500, Deduct</i>	-248.52	
			<i>For >500, Deduct</i>	-365.05	
26 51 19 00-0413	EA		80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	3,762.60	154.61
			<i>For >50 To 100, Deduct</i>	-101.80	
			<i>For >100 To 250, Deduct</i>	-195.86	
			<i>For >250 To 500, Deduct</i>	-376.26	
			<i>For >500, Deduct</i>	-556.66	
26 51 19 00-0414			Wet/Hazardous Location, LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0415			Wet Location, LED Fixtures <small>(26 51 19 00-0414)</small>		
26 51 19 00-0416			Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 19 00-0415)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0417	EA		3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	2,326.32	118.07
			<i>For Ceiling Mount, Add</i>	19.83	
			<i>For Quick Clip Mounting Option, Add</i>	29.15	
			<i>For Frosted Lens, Add</i>	62.70	
			<i>For Warm White Color Rendering, Add</i>	80.71	
			<i>For Stanchion Mount, Add</i>	135.26	
			<i>For Wall Mount, Add</i>	149.73	
			<i>For Polycarbonate Lens, Add</i>	116.20	
			<i>For Teflon Coated Lens, Add</i>	133.07	
			<i>For 480 Volt, Add</i>	190.09	
			<i>For >50 To 100, Deduct</i>	-63.08	
			<i>For >100 To 250, Deduct</i>	-121.24	
			<i>For >250 To 500, Deduct</i>	-232.63	
			<i>For >500, Deduct</i>	-344.03	
26 51 19 00-0418	EA		5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	2,373.87	126.49
			<i>For Ceiling Mount, Add</i>	19.83	
			<i>For Quick Clip Mounting Option, Add</i>	29.15	
			<i>For Frosted Lens, Add</i>	62.70	
			<i>For Warm White Color Rendering, Add</i>	80.71	
			<i>For Stanchion Mount, Add</i>	135.26	
			<i>For Wall Mount, Add</i>	149.73	
			<i>For Polycarbonate Lens, Add</i>	116.20	
			<i>For Teflon Coated Lens, Add</i>	133.07	
			<i>For 480 Volt, Add</i>	190.09	
			<i>For >50 To 100, Deduct</i>	-64.62	
			<i>For >100 To 250, Deduct</i>	-123.96	
			<i>For >250 To 500, Deduct</i>	-237.39	
			<i>For >500, Deduct</i>	-350.81	
26 51 19 00-0419	EA		7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	2,676.42	134.93
			<i>For Ceiling Mount, Add</i>	19.83	
			<i>For Quick Clip Mounting Option, Add</i>	29.15	
			<i>For Frosted Lens, Add</i>	62.70	
			<i>For Warm White Color Rendering, Add</i>	80.71	
			<i>For Stanchion Mount, Add</i>	135.26	
			<i>For Wall Mount, Add</i>	149.73	
			<i>For Polycarbonate Lens, Add</i>	116.20	
			<i>For Teflon Coated Lens, Add</i>	133.07	
			<i>For 480 Volt, Add</i>	190.09	
			<i>For >50 To 100, Deduct</i>	-72.53	
			<i>For >100 To 250, Deduct</i>	-139.44	
			<i>For >250 To 500, Deduct</i>	-267.64	
			<i>For >500, Deduct</i>	-395.84	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0420 EA 9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	3,212.97	143.37
For Ceiling Mount, Add	19.83	
For Quick Clip Mounting Option, Add	29.15	
For Frosted Lens, Add	62.70	
For Warm White Color Rendering, Add	80.71	
For Stanchion Mount, Add	135.26	
For Wall Mount, Add	149.73	
For Polycarbonate Lens, Add	116.20	
For Teflon Coated Lens, Add	133.07	
For 480 Volt, Add	190.09	
For >50 To 100, Deduct	-86.30	
For >100 To 250, Deduct	-166.62	
For >250 To 500, Deduct	-321.30	
For >500, Deduct	-475.97	
26 51 19 00-0421 EA 11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	4,083.78	151.79
For Ceiling Mount, Add	19.83	
For Quick Clip Mounting Option, Add	29.15	
For Frosted Lens, Add	62.70	
For Warm White Color Rendering, Add	80.71	
For Stanchion Mount, Add	135.26	
For Wall Mount, Add	149.73	
For Polycarbonate Lens, Add	116.20	
For Teflon Coated Lens, Add	133.07	
For 480 Volt, Add	190.09	
For >50 To 100, Deduct	-108.42	
For >100 To 250, Deduct	-210.51	
For >250 To 500, Deduct	-408.38	
For >500, Deduct	-606.24	
26 51 19 00-0422 EA 13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	5,354.21	156.01
For Ceiling Mount, Add	19.83	
For Quick Clip Mounting Option, Add	29.15	
For Frosted Lens, Add	62.70	
For Warm White Color Rendering, Add	80.71	
For Stanchion Mount, Add	135.26	
For Wall Mount, Add	149.73	
For Polycarbonate Lens, Add	116.20	
For Teflon Coated Lens, Add	133.07	
For 480 Volt, Add	190.09	
For >50 To 100, Deduct	-140.36	
For >100 To 250, Deduct	-274.21	
For >250 To 500, Deduct	-535.42	
For >500, Deduct	-796.63	
26 51 19 00-0423 EA 18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	6,192.07	160.23
For Ceiling Mount, Add	19.83	
For Quick Clip Mounting Option, Add	29.15	
For Frosted Lens, Add	62.70	
For Warm White Color Rendering, Add	80.71	
For Stanchion Mount, Add	135.26	
For Wall Mount, Add	149.73	
For Polycarbonate Lens, Add	116.20	
For Teflon Coated Lens, Add	133.07	
For 480 Volt, Add	190.09	
For >50 To 100, Deduct	-161.48	
For >100 To 250, Deduct	-316.28	
For >250 To 500, Deduct	-619.21	
For >500, Deduct	-922.13	
26 51 19 00-0424 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) (26 51 19 00-0415)		
Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0425 EA 5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,105.23	126.49
For Bolt-On Visor, Add	107.94	
For Bolt-On Wire Guard, Add	222.02	
For 480 Volt, Add	190.09	
For Warm White Color Rendering, Add	80.71	
For >50 To 100, Deduct	-57.90	
For >100 To 250, Deduct	-110.53	
For >250 To 500, Deduct	-210.52	
For >500, Deduct	-310.51	
26 51 19 00-0426 EA 7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	3,083.46	134.93
For Bolt-On Visor, Add	107.94	
For Bolt-On Wire Guard, Add	222.02	
For 480 Volt, Add	190.09	
For Warm White Color Rendering, Add	80.71	
For >50 To 100, Deduct	-82.71	
For >100 To 250, Deduct	-159.80	
For >250 To 500, Deduct	-308.35	
For >500, Deduct	-456.90	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0427	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	3,397.18	143.37
		For Bolt-On Visor, Add	107.94	
		For Bolt-On Wire Guard, Add	222.02	
		For 480 Volt, Add	190.09	
		For Warm White Color Rendering, Add	80.71	
		For >50 To 100, Deduct	-90.90	
		For >100 To 250, Deduct	-175.83	
		For >250 To 500, Deduct	-339.72	
		For >500, Deduct	-503.60	
26 51 19 00-0428	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	3,894.53	151.79
		For Bolt-On Visor, Add	107.94	
		For Bolt-On Wire Guard, Add	222.02	
		For 480 Volt, Add	190.09	
		For Warm White Color Rendering, Add	80.71	
		For >50 To 100, Deduct	-103.69	
		For >100 To 250, Deduct	-201.05	
		For >250 To 500, Deduct	-389.45	
		For >500, Deduct	-577.85	
26 51 19 00-0429		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) (26 51 19 00-0415)		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0430	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,473.85	118.07
		For 12/24 Volt DC Driver, Add	30.68	
		For Frosted Lens, Add	62.70	
		For 55 Degree Ambient Suitability (AC Only), Add	41.77	
		For Warm White Color Rendering, Add	80.71	
		For Ceiling Mount, Add	95.31	
		For Wall Mount, Add	138.23	
		For Teflon Coated Lens, Add	133.07	
		For Wall Mount With Junction Box, Add	200.80	
		For >50 To 100, Deduct	-41.77	
		For >100 To 250, Deduct	-78.61	
		For >250 To 500, Deduct	-147.39	
		For >500, Deduct	-216.16	
26 51 19 00-0431		Vaportight, LED Fixtures (26 51 19 00-0414)		
26 51 19 00-0432		General Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0431)		
26 51 19 00-0433	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U).....	367.29	67.47
		For >50 To 100, Deduct	-11.99	
		For >100 To 250, Deduct	-21.18	
		For >250 To 500, Deduct	-36.73	
		For >500, Deduct	-52.28	
26 51 19 00-0434	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U).....	382.64	67.47
		For >50 To 100, Deduct	-12.38	
		For >100 To 250, Deduct	-21.94	
		For >250 To 500, Deduct	-38.26	
		For >500, Deduct	-54.58	
26 51 19 00-0435	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U).....	413.35	67.47
		For >50 To 100, Deduct	-13.15	
		For >100 To 250, Deduct	-23.48	
		For >250 To 500, Deduct	-41.34	
		For >500, Deduct	-59.19	
26 51 19 00-0436	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U).....	374.26	84.33
		For >50 To 100, Deduct	-12.87	
		For >100 To 250, Deduct	-22.23	
		For >250 To 500, Deduct	-37.43	
		For >500, Deduct	-52.63	
26 51 19 00-0437	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U).....	418.30	84.33
		For >50 To 100, Deduct	-13.97	
		For >100 To 250, Deduct	-24.43	
		For >250 To 500, Deduct	-41.83	
		For >500, Deduct	-59.23	
26 51 19 00-0438	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U).....	579.62	84.33
		For >50 To 100, Deduct	-18.00	
		For >100 To 250, Deduct	-32.49	
		For >250 To 500, Deduct	-57.96	
		For >500, Deduct	-83.43	
26 51 19 00-0439		Wide Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0431)		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0440 EA 2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	398.00	67.47
For >50 To 100, Deduct	-12.76	
For >100 To 250, Deduct	-22.71	
For >250 To 500, Deduct	-39.80	
For >500, Deduct	-56.89	
26 51 19 00-0441 EA 2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	413.35	67.47
For >50 To 100, Deduct	-13.15	
For >100 To 250, Deduct	-23.48	
For >250 To 500, Deduct	-41.34	
For >500, Deduct	-59.19	
26 51 19 00-0442 EA 2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	444.05	67.47
For >50 To 100, Deduct	-13.91	
For >100 To 250, Deduct	-25.01	
For >250 To 500, Deduct	-44.41	
For >500, Deduct	-63.80	
26 51 19 00-0443 EA 4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	518.21	84.33
For >50 To 100, Deduct	-16.47	
For >100 To 250, Deduct	-29.42	
For >250 To 500, Deduct	-51.82	
For >500, Deduct	-74.22	
26 51 19 00-0444 EA 4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	579.62	84.33
For >50 To 100, Deduct	-18.00	
For >100 To 250, Deduct	-32.49	
For >250 To 500, Deduct	-57.96	
For >500, Deduct	-83.43	
26 51 19 00-0445 EA 4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	641.03	84.33
For >50 To 100, Deduct	-19.54	
For >100 To 250, Deduct	-35.57	
For >250 To 500, Deduct	-64.10	
For >500, Deduct	-92.64	
26 51 19 00-0446 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0431)		
26 51 19 00-0447 EA 2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	398.00	67.47
For >50 To 100, Deduct	-12.76	
For >100 To 250, Deduct	-22.71	
For >250 To 500, Deduct	-39.80	
For >500, Deduct	-56.89	
26 51 19 00-0448 EA 2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	414.52	67.47
For >50 To 100, Deduct	-13.17	
For >100 To 250, Deduct	-23.54	
For >250 To 500, Deduct	-41.45	
For >500, Deduct	-59.37	
26 51 19 00-0449 EA 2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	444.05	67.47
For >50 To 100, Deduct	-13.91	
For >100 To 250, Deduct	-25.01	
For >250 To 500, Deduct	-44.41	
For >500, Deduct	-63.80	
26 51 19 00-0450 EA 4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	518.21	84.33
For >50 To 100, Deduct	-16.47	
For >100 To 250, Deduct	-29.42	
For >250 To 500, Deduct	-51.82	
For >500, Deduct	-74.22	
26 51 19 00-0451 EA 4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	579.62	84.33
For >50 To 100, Deduct	-18.00	
For >100 To 250, Deduct	-32.49	
For >250 To 500, Deduct	-57.96	
For >500, Deduct	-83.43	
26 51 19 00-0452 EA 4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	641.03	84.33
For >50 To 100, Deduct	-19.54	
For >100 To 250, Deduct	-35.57	
For >250 To 500, Deduct	-64.10	
For >500, Deduct	-92.64	
26 51 19 00-0453 Ceiling Mounted LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0454 Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 19 00-0453)		
26 51 19 00-0455 EA 11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	142.02	56.22
For >50 To 100, Deduct	-5.66	
For >100 To 250, Deduct	-9.21	
For >250 To 500, Deduct	-14.20	
For >500, Deduct	-19.19	

26	26 Electrical
	26 50 Lighting
	26 51 Interior Lighting



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0456	EA 11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	147.74 -5.80 -9.50 -14.77 -20.05	56.22
26 51 19 00-0457	EA 11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	153.47 -5.95 -9.78 -15.35 -20.91	56.22
26 51 19 00-0458	EA 11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	159.20 -6.09 -10.07 -15.92 -21.77	56.22
26 51 19 00-0459	EA 14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	156.39 -6.23 -10.14 -15.64 -21.14	61.84
26 51 19 00-0460	EA 14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	162.12 -6.37 -10.43 -16.21 -22.00	61.84
26 51 19 00-0461	EA 14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	167.85 -6.52 -10.71 -16.79 -22.86	61.84
26 51 19 00-0462	EA 14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	173.57 -6.66 -11.00 -17.36 -23.72	61.84
26 51 19 00-0463	EA 14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	185.03 -6.95 -11.57 -18.50 -25.44	61.84
26 51 19 00-0464	EA 11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	142.02 -5.66 -9.21 -14.20 -19.19	56.22
26 51 19 00-0465	EA 11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	147.74 -5.80 -9.50 -14.77 -20.05	56.22
26 51 19 00-0466	EA 11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	153.47 -5.95 -9.78 -15.35 -20.91	56.22
26 51 19 00-0467	EA 11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	159.20 -6.09 -10.07 -15.92 -21.77	56.22
26 51 19 00-0468	EA 14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	156.39 -6.23 -10.14 -15.64 -21.14	61.84
26 51 19 00-0469	EA 14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	162.12 -6.37 -10.43 -16.21 -22.00	61.84
26 51 19 00-0470	EA 14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	167.85 -6.52 -10.71 -16.79 -22.86	61.84
26 51 19 00-0471	EA 14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	173.57 -6.66 -11.00 -17.36 -23.72	61.84
26 51 19 00-0472	EA 14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	185.03 -6.95 -11.57 -18.50 -25.44	61.84



Electrical 26

Lighting 26 50

Interior Lighting 26 51

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0473	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	142.02	56.22
			<i>For >50 To 100, Deduct</i>	-5.66	
			<i>For >100 To 250, Deduct</i>	-9.21	
			<i>For >250 To 500, Deduct</i>	-14.20	
			<i>For >500, Deduct</i>	-19.19	
26 51	19 00-0474	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	147.74	56.22
			<i>For >50 To 100, Deduct</i>	-5.80	
			<i>For >100 To 250, Deduct</i>	-9.50	
			<i>For >250 To 500, Deduct</i>	-14.77	
			<i>For >500, Deduct</i>	-20.05	
26 51	19 00-0475	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	153.47	56.22
			<i>For >50 To 100, Deduct</i>	-5.95	
			<i>For >100 To 250, Deduct</i>	-9.78	
			<i>For >250 To 500, Deduct</i>	-15.35	
			<i>For >500, Deduct</i>	-20.91	
26 51	19 00-0476	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	159.20	56.22
			<i>For >50 To 100, Deduct</i>	-6.09	
			<i>For >100 To 250, Deduct</i>	-10.07	
			<i>For >250 To 500, Deduct</i>	-15.92	
			<i>For >500, Deduct</i>	-21.77	
26 51	19 00-0477	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	156.39	61.84
			<i>For >50 To 100, Deduct</i>	-6.23	
			<i>For >100 To 250, Deduct</i>	-10.14	
			<i>For >250 To 500, Deduct</i>	-15.64	
			<i>For >500, Deduct</i>	-21.14	
26 51	19 00-0478	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	162.12	61.84
			<i>For >50 To 100, Deduct</i>	-6.37	
			<i>For >100 To 250, Deduct</i>	-10.43	
			<i>For >250 To 500, Deduct</i>	-16.21	
			<i>For >500, Deduct</i>	-22.00	
26 51	19 00-0479	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	167.85	61.84
			<i>For >50 To 100, Deduct</i>	-6.52	
			<i>For >100 To 250, Deduct</i>	-10.71	
			<i>For >250 To 500, Deduct</i>	-16.79	
			<i>For >500, Deduct</i>	-22.86	
26 51	19 00-0480	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	173.57	61.84
			<i>For >50 To 100, Deduct</i>	-6.66	
			<i>For >100 To 250, Deduct</i>	-11.00	
			<i>For >250 To 500, Deduct</i>	-17.36	
			<i>For >500, Deduct</i>	-23.72	
26 51	19 00-0481	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	185.03	61.84
			<i>For >50 To 100, Deduct</i>	-6.95	
			<i>For >100 To 250, Deduct</i>	-11.57	
			<i>For >250 To 500, Deduct</i>	-18.50	
			<i>For >500, Deduct</i>	-25.44	
26 51	19 00-0482	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	142.02	56.22
			<i>For >50 To 100, Deduct</i>	-5.66	
			<i>For >100 To 250, Deduct</i>	-9.21	
			<i>For >250 To 500, Deduct</i>	-14.20	
			<i>For >500, Deduct</i>	-19.19	
26 51	19 00-0483	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	147.74	56.22
			<i>For >50 To 100, Deduct</i>	-5.80	
			<i>For >100 To 250, Deduct</i>	-9.50	
			<i>For >250 To 500, Deduct</i>	-14.77	
			<i>For >500, Deduct</i>	-20.05	
26 51	19 00-0484	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	153.47	56.22
			<i>For >50 To 100, Deduct</i>	-5.95	
			<i>For >100 To 250, Deduct</i>	-9.78	
			<i>For >250 To 500, Deduct</i>	-15.35	
			<i>For >500, Deduct</i>	-20.91	
26 51	19 00-0485	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	159.20	56.22
			<i>For >50 To 100, Deduct</i>	-6.09	
			<i>For >100 To 250, Deduct</i>	-10.07	
			<i>For >250 To 500, Deduct</i>	-15.92	
			<i>For >500, Deduct</i>	-21.77	
26 51	19 00-0486	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	156.39	61.84
			<i>For >50 To 100, Deduct</i>	-6.23	
			<i>For >100 To 250, Deduct</i>	-10.14	
			<i>For >250 To 500, Deduct</i>	-15.64	
			<i>For >500, Deduct</i>	-21.14	
26 51	19 00-0487	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	162.12	61.84
			<i>For >50 To 100, Deduct</i>	-6.37	
			<i>For >100 To 250, Deduct</i>	-10.43	
			<i>For >250 To 500, Deduct</i>	-16.21	
			<i>For >500, Deduct</i>	-22.00	
26 51	19 00-0488	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	167.85	61.84
			<i>For >50 To 100, Deduct</i>	-6.52	
			<i>For >100 To 250, Deduct</i>	-10.71	
			<i>For >250 To 500, Deduct</i>	-16.79	
			<i>For >500, Deduct</i>	-22.86	
26 51	19 00-0489	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	173.57	61.84
			<i>For >50 To 100, Deduct</i>	-6.66	
			<i>For >100 To 250, Deduct</i>	-11.00	
			<i>For >250 To 500, Deduct</i>	-17.36	
			<i>For >500, Deduct</i>	-23.72	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0490 EA 14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	185.03	61.84
For>50 To 100, Deduct	-6.95	
For>100 To 250, Deduct	-11.57	
For>250 To 500, Deduct	-18.50	
For>500, Deduct	-25.44	
26 51 19 00-0491 EA 19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	192.35	66.76
For>50 To 100, Deduct	-7.34	
For>100 To 250, Deduct	-12.15	
For>250 To 500, Deduct	-19.24	
For>500, Deduct	-26.32	
26 51 19 00-0492 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	205.37	66.76
For>50 To 100, Deduct	-7.66	
For>100 To 250, Deduct	-12.80	
For>250 To 500, Deduct	-20.54	
For>500, Deduct	-28.28	
26 51 19 00-0493 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	202.19	66.76
For>50 To 100, Deduct	-7.58	
For>100 To 250, Deduct	-12.64	
For>250 To 500, Deduct	-20.22	
For>500, Deduct	-27.80	
26 51 19 00-0494 EA 19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	202.14	66.76
For>50 To 100, Deduct	-7.58	
For>100 To 250, Deduct	-12.64	
For>250 To 500, Deduct	-20.21	
For>500, Deduct	-27.79	
26 51 19 00-0495 EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	216.82	66.76
For>50 To 100, Deduct	-7.95	
For>100 To 250, Deduct	-13.37	
For>250 To 500, Deduct	-21.68	
For>500, Deduct	-29.99	
26 51 19 00-0496 EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	212.08	66.76
For>50 To 100, Deduct	-7.83	
For>100 To 250, Deduct	-13.13	
For>250 To 500, Deduct	-21.21	
For>500, Deduct	-29.28	
26 51 19 00-0497 EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	231.92	66.76
For>50 To 100, Deduct	-8.33	
For>100 To 250, Deduct	-14.13	
For>250 To 500, Deduct	-23.19	
For>500, Deduct	-32.26	
26 51 19 00-0498 EA 19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	225.46	66.76
For>50 To 100, Deduct	-8.17	
For>100 To 250, Deduct	-13.80	
For>250 To 500, Deduct	-22.55	
For>500, Deduct	-31.29	
26 51 19 00-0499 EA 19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	225.52	66.76
For>50 To 100, Deduct	-8.17	
For>100 To 250, Deduct	-13.81	
For>250 To 500, Deduct	-22.55	
For>500, Deduct	-31.30	
26 51 19 00-0500 EA 19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	192.35	66.76
For>50 To 100, Deduct	-7.34	
For>100 To 250, Deduct	-12.15	
For>250 To 500, Deduct	-19.24	
For>500, Deduct	-26.32	
26 51 19 00-0501 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	205.37	66.76
For>50 To 100, Deduct	-7.66	
For>100 To 250, Deduct	-12.80	
For>250 To 500, Deduct	-20.54	
For>500, Deduct	-28.28	
26 51 19 00-0502 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	202.19	66.76
For>50 To 100, Deduct	-7.58	
For>100 To 250, Deduct	-12.64	
For>250 To 500, Deduct	-20.22	
For>500, Deduct	-27.80	
26 51 19 00-0503 EA 19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	202.14	66.76
For>50 To 100, Deduct	-7.58	
For>100 To 250, Deduct	-12.64	
For>250 To 500, Deduct	-20.21	
For>500, Deduct	-27.79	
26 51 19 00-0504 EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	216.82	66.76
For>50 To 100, Deduct	-7.95	
For>100 To 250, Deduct	-13.37	
For>250 To 500, Deduct	-21.68	
For>500, Deduct	-29.99	
26 51 19 00-0505 EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	212.08	66.76
For>50 To 100, Deduct	-7.83	
For>100 To 250, Deduct	-13.13	
For>250 To 500, Deduct	-21.21	
For>500, Deduct	-29.28	
26 51 19 00-0506 EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	231.92	66.76
For>50 To 100, Deduct	-8.33	
For>100 To 250, Deduct	-14.13	
For>250 To 500, Deduct	-23.19	
For>500, Deduct	-32.26	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0507 EA 19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	225.46	66.76
For >50 To 100, Deduct	-8.17	
For >100 To 250, Deduct	-13.80	
For >250 To 500, Deduct	-22.55	
For >500, Deduct	-31.29	
26 51 19 00-0508 EA 19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	225.52	66.76
For >50 To 100, Deduct	-8.17	
For >100 To 250, Deduct	-13.81	
For >250 To 500, Deduct	-22.55	
For >500, Deduct	-31.30	
26 51 19 00-0509 EA 19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	192.35	66.76
For >50 To 100, Deduct	-7.34	
For >100 To 250, Deduct	-12.15	
For >250 To 500, Deduct	-19.24	
For >500, Deduct	-26.32	
26 51 19 00-0510 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	205.37	66.76
For >50 To 100, Deduct	-7.66	
For >100 To 250, Deduct	-12.80	
For >250 To 500, Deduct	-20.54	
For >500, Deduct	-28.28	
26 51 19 00-0511 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	202.19	66.76
For >50 To 100, Deduct	-7.58	
For >100 To 250, Deduct	-12.64	
For >250 To 500, Deduct	-20.22	
For >500, Deduct	-27.80	
26 51 19 00-0512 EA 19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	202.14	66.76
For >50 To 100, Deduct	-7.58	
For >100 To 250, Deduct	-12.64	
For >250 To 500, Deduct	-20.21	
For >500, Deduct	-27.79	
26 51 19 00-0513 EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	216.82	66.76
For >50 To 100, Deduct	-7.95	
For >100 To 250, Deduct	-13.37	
For >250 To 500, Deduct	-21.68	
For >500, Deduct	-29.99	
26 51 19 00-0514 EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	212.08	66.76
For >50 To 100, Deduct	-7.83	
For >100 To 250, Deduct	-13.13	
For >250 To 500, Deduct	-21.21	
For >500, Deduct	-29.28	
26 51 19 00-0515 EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	231.92	66.76
For >50 To 100, Deduct	-8.33	
For >100 To 250, Deduct	-14.13	
For >250 To 500, Deduct	-23.19	
For >500, Deduct	-32.26	
26 51 19 00-0516 EA 19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	225.46	66.76
For >50 To 100, Deduct	-8.17	
For >100 To 250, Deduct	-13.80	
For >250 To 500, Deduct	-22.55	
For >500, Deduct	-31.29	
26 51 19 00-0517 EA 19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	225.52	66.76
For >50 To 100, Deduct	-8.17	
For >100 To 250, Deduct	-13.81	
For >250 To 500, Deduct	-22.55	
For >500, Deduct	-31.30	
26 51 19 00-0518 EA 19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	192.35	66.76
For >50 To 100, Deduct	-7.34	
For >100 To 250, Deduct	-12.15	
For >250 To 500, Deduct	-19.24	
For >500, Deduct	-26.32	
26 51 19 00-0519 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	205.37	66.76
For >50 To 100, Deduct	-7.66	
For >100 To 250, Deduct	-12.80	
For >250 To 500, Deduct	-20.54	
For >500, Deduct	-28.28	
26 51 19 00-0520 EA 19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	202.19	66.76
For >50 To 100, Deduct	-7.58	
For >100 To 250, Deduct	-12.64	
For >250 To 500, Deduct	-20.22	
For >500, Deduct	-27.80	
26 51 19 00-0521 EA 19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	202.14	66.76
For >50 To 100, Deduct	-7.58	
For >100 To 250, Deduct	-12.64	
For >250 To 500, Deduct	-20.21	
For >500, Deduct	-27.79	
26 51 19 00-0522 EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	216.82	66.76
For >50 To 100, Deduct	-7.95	
For >100 To 250, Deduct	-13.37	
For >250 To 500, Deduct	-21.68	
For >500, Deduct	-29.99	
26 51 19 00-0523 EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	212.08	66.76
For >50 To 100, Deduct	-7.83	
For >100 To 250, Deduct	-13.13	
For >250 To 500, Deduct	-21.21	
For >500, Deduct	-29.28	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0524	EA		19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	231.92	66.76
			<i>For >50 To 100, Deduct</i>	-8.33	
			<i>For >100 To 250, Deduct</i>	-14.13	
			<i>For >250 To 500, Deduct</i>	-23.19	
			<i>For >500, Deduct</i>	-32.26	
26 51 19 00-0525	EA		19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	225.46	66.76
			<i>For >50 To 100, Deduct</i>	-8.17	
			<i>For >100 To 250, Deduct</i>	-13.80	
			<i>For >250 To 500, Deduct</i>	-22.55	
			<i>For >500, Deduct</i>	-31.29	
26 51 19 00-0526	EA		19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	225.52	66.76
			<i>For >50 To 100, Deduct</i>	-8.17	
			<i>For >100 To 250, Deduct</i>	-13.81	
			<i>For >250 To 500, Deduct</i>	-22.55	
			<i>For >500, Deduct</i>	-31.30	
26 51 19 00-0527			Ceiling Mounted, LED Mushroom Fixtures (Mobern) <small>(26 51 19 00-0453)</small>		
26 51 19 00-0528	EA		14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	208.01	61.84
			<i>For >50 To 100, Deduct</i>	-7.52	
			<i>For >100 To 250, Deduct</i>	-12.72	
			<i>For >250 To 500, Deduct</i>	-20.80	
			<i>For >500, Deduct</i>	-28.88	
26 51 19 00-0529			Ceiling Mounted, LED Fixtures (Sylvania) <small>(26 51 19 00-0453)</small>		
26 51 19 00-0530	EA		12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	722.40	66.76
			<i>For >50 To 100, Deduct</i>	-20.59	
			<i>For >100 To 250, Deduct</i>	-38.65	
			<i>For >250 To 500, Deduct</i>	-72.24	
			<i>For >500, Deduct</i>	-105.83	
26 51 19 00-0531	EA		2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	287.64	56.22
			<i>For >50 To 100, Deduct</i>	-9.30	
			<i>For >100 To 250, Deduct</i>	-16.49	
			<i>For >250 To 500, Deduct</i>	-28.76	
			<i>For >500, Deduct</i>	-41.04	
26 51 19 00-0532	EA		2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	356.67	65.50
			<i>For >50 To 100, Deduct</i>	-11.38	
			<i>For >100 To 250, Deduct</i>	-20.29	
			<i>For >250 To 500, Deduct</i>	-35.67	
			<i>For >500, Deduct</i>	-51.04	
26 51 19 00-0533	EA		2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	360.61	65.50
			<i>For >50 To 100, Deduct</i>	-11.48	
			<i>For >100 To 250, Deduct</i>	-20.49	
			<i>For >250 To 500, Deduct</i>	-36.06	
			<i>For >500, Deduct</i>	-51.63	
26 51 19 00-0534			Refrigeration/Display LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0535			Refrigeration/Display LED Fixtures (Lithonia) <small>(26 51 19 00-0534)</small>		
			Note: Fixtures exclude driver.		
26 51 19 00-0536	EA		5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	299.65	65.50
			<i>For >50 To 100, Deduct</i>	-9.95	
			<i>For >100 To 250, Deduct</i>	-17.44	
			<i>For >250 To 500, Deduct</i>	-29.97	
			<i>For >500, Deduct</i>	-42.49	
26 51 19 00-0537	EA		5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC).....	402.62	115.95
			<i>For >50 To 100, Deduct</i>	-14.46	
			<i>For >100 To 250, Deduct</i>	-24.52	
			<i>For >250 To 500, Deduct</i>	-40.26	
			<i>For >500, Deduct</i>	-56.00	
26 51 19 00-0538	EA		Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	363.66	92.77
			<i>For >50 To 100, Deduct</i>	-12.61	
			<i>For >100 To 250, Deduct</i>	-21.70	
			<i>For >250 To 500, Deduct</i>	-36.37	
			<i>For >500, Deduct</i>	-51.04	
26 51 19 00-0539			Pendant Mount, LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0540			Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) <small>(26 51 19 00-0539)</small>		
26 51 19 00-0541	EA		2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S).....	2,630.57	143.37
			<i>For >50 To 100, Deduct</i>	-71.74	
			<i>For >100 To 250, Deduct</i>	-137.50	
			<i>For >250 To 500, Deduct</i>	-263.06	
			<i>For >500, Deduct</i>	-388.61	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0542	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S).....	3,952.18	151.79
		<i>For >50 To 100, Deduct</i>	-105.13	
		<i>For >100 To 250, Deduct</i>	-203.93	
		<i>For >250 To 500, Deduct</i>	-395.22	
		<i>For >500, Deduct</i>	-586.50	
26 51 19 00-0543	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S).....	5,036.58	160.23
		<i>For >50 To 100, Deduct</i>	-132.59	
		<i>For >100 To 250, Deduct</i>	-258.51	
		<i>For >250 To 500, Deduct</i>	-503.66	
		<i>For >500, Deduct</i>	-748.81	
26 51 19 00-0544	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S).....	6,358.18	168.66
		<i>For >50 To 100, Deduct</i>	-165.98	
		<i>For >100 To 250, Deduct</i>	-324.94	
		<i>For >250 To 500, Deduct</i>	-635.82	
		<i>For >500, Deduct</i>	-946.70	
26 51 19 00-0545	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S).....	2,787.40	143.37
		<i>For >50 To 100, Deduct</i>	-75.66	
		<i>For >100 To 250, Deduct</i>	-145.34	
		<i>For >250 To 500, Deduct</i>	-278.74	
		<i>For >500, Deduct</i>	-412.14	
26 51 19 00-0546	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S).....	4,159.98	151.79
		<i>For >50 To 100, Deduct</i>	-110.32	
		<i>For >100 To 250, Deduct</i>	-214.32	
		<i>For >250 To 500, Deduct</i>	-416.00	
		<i>For >500, Deduct</i>	-617.67	
26 51 19 00-0547	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S).....	5,246.34	160.23
		<i>For >50 To 100, Deduct</i>	-137.83	
		<i>For >100 To 250, Deduct</i>	-268.99	
		<i>For >250 To 500, Deduct</i>	-524.63	
		<i>For >500, Deduct</i>	-780.27	
26 51 19 00-0548	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S).....	6,593.43	168.66
		<i>For >50 To 100, Deduct</i>	-171.86	
		<i>For >100 To 250, Deduct</i>	-336.70	
		<i>For >250 To 500, Deduct</i>	-659.34	
		<i>For >500, Deduct</i>	-981.99	
26 51 19 00-0549		Pendant Mount, LED Commercial Fixtures (DMF) <small>(26 51 19 00-0539)</small>		
26 51 19 00-0550	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED).....	1,028.59	84.33
		<i>For >50 To 100, Deduct</i>	-29.23	
		<i>For >100 To 250, Deduct</i>	-54.94	
		<i>For >250 To 500, Deduct</i>	-102.86	
		<i>For >500, Deduct</i>	-150.77	
26 51 19 00-0551		LED Track Lighting Fixtures <small>(26 51 19)</small>		
26 51 19 00-0552	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	204.73	25.68
		<i>For >50 To 100, Deduct</i>	-6.08	
		<i>For >100 To 250, Deduct</i>	-11.20	
		<i>For >250 To 500, Deduct</i>	-20.47	
		<i>For >500, Deduct</i>	-29.75	
26 51 19 00-0553	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	349.53	25.68
		<i>For >50 To 100, Deduct</i>	-9.70	
		<i>For >100 To 250, Deduct</i>	-18.44	
		<i>For >250 To 500, Deduct</i>	-34.95	
		<i>For >500, Deduct</i>	-51.47	
26 51 19 00-0554	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	210.23	25.68
		<i>For >50 To 100, Deduct</i>	-6.22	
		<i>For >100 To 250, Deduct</i>	-11.47	
		<i>For >250 To 500, Deduct</i>	-21.02	
		<i>For >500, Deduct</i>	-30.57	
26 51 23		HID Interior Lighting <small>(26 51)</small>		
26 51 23 00-0001		Large Interior Area Fixtures <small>(26 51 23)</small>		
26 51 23 00-0002		Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0001)</small> Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0002)</small>		
26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	528.53	163.98
		<i>For Wire Guard, Add</i>	40.50	
		<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	551.49	174.12
		<i>For Wire Guard, Add</i>	40.50	
		<i>For Instant Quartz Restrike, Add</i>	60.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0006 EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	582.30 40.50 60.00	198.74
26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0008 EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	537.15 40.50 60.00	163.98
26 51 23 00-0009 EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	555.17 40.50 60.00	174.12
26 51 23 00-0010 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	594.72 40.50 60.00	198.74
26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0013 EA 150 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	468.63 40.50 75.47 60.00 90.00	149.83
26 51 23 00-0014 EA 250 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	484.01 40.50 75.47 60.00 90.00	159.11
26 51 23 00-0015 EA 400 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	518.97 40.50 75.47 60.00 90.00	181.59
26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0017 EA 175 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	461.50 40.50 75.47 60.00 90.00	149.83
26 51 23 00-0018 EA 250 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	476.05 40.50 75.47 60.00 90.00	159.11
26 51 23 00-0019 EA 400 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	521.98 40.50 75.47 60.00 90.00	181.59
26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022 EA 250 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	442.78 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	159.11
26 51 23 00-0023 EA 400 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	482.09 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	181.59



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0024 EA 1,000 Watt High Pressure Sodium, High Bay Fixture	672.59	191.01
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0025 Metal Halide, High Bay Fixtures (26 51 23 00-0020)		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026 EA 250 Watt Metal Halide, High Bay Fixture	415.46	159.11
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0027 EA 400 Watt Metal Halide, High Bay Fixture	461.22	181.59
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0028 EA 1,000 Watt Metal Halide, High Bay Fixture	577.91	191.01
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0029 Induction, High Bay Fixtures (26 51 23 00-0020)		
26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) (26 51 23 00-0029)		
Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031 EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	522.65	139.15
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0032 EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	558.32	143.79
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0033 EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	569.29	148.42
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0034 EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	616.78	153.06
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0035 EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	632.71	157.70
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0036 EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	557.20	139.15
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0037 EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	592.87	143.79
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0038 EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	603.84	148.42
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0039 EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	651.33	153.06
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0040 EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	667.26	157.70
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)		
Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0043 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	359.02	106.60
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0044 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	705.59	106.60
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	808.73	106.60
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0046 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,076.42	106.60
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0048 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	344.58	106.60
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0049 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	364.40	118.29
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	388.47	128.13
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	438.61	152.59
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings (26 51 23)		
26 51 23 00-0053 EA 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	179.05	44.30
For ICAT Housing, Add	14.56	
26 51 23 00-0054 EA 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	186.59	44.30
For ICAT Housing, Add	15.54	
26 51 23 00-0055 EA 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	195.94	46.15
For ICAT Housing, Add	16.35	
26 51 23 00-0056 EA 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	203.13	48.14
For ICAT Housing, Add	16.88	
26 51 23 00-0057 EA 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	210.25	50.15
For ICAT Housing, Add	17.40	
26 51 23 00-0058 EA 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	216.87	53.22
For ICAT Housing, Add	17.66	
26 51 23 00-0059 Metal Halide Track Lighting Fixtures (26 51 23)		
26 51 23 00-0060 EA Metal Halide Track Lighting Fixture	115.74	25.68
26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0062 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	190.82	61.53
For Wall Mounted, Add	6.30	
26 51 23 00-0063 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	195.86	61.53
For Wall Mounted, Add	6.30	
26 51 23 00-0064 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	206.10	61.53
For Wall Mounted, Add	6.30	
26 51 23 00-0065 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	221.49	61.53
For Wall Mounted, Add	6.30	
26 51 23 00-0066 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0067 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	178.83	61.53
For Wall Mounted, Add	6.67	
26 51 23 00-0068 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	185.08	61.53
For Wall Mounted, Add	6.67	
26 51 23 00-0069 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	209.29	61.53
For Wall Mounted, Add	6.67	
26 51 33 Interior Lighting Accessories (26 51)		
26 51 33 00-0001 Accessories And Modifiers For Fixtures (26 51 33)		
26 51 33 00-0002 Lens Modifications (26 51 33 00-0001)		
26 51 33 00-0003 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	37.42	
26 51 33 00-0004 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	46.22	
26 51 33 00-0005 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	48.42	
26 51 33 00-0006 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	52.83	
26 51 33 00-0007 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	63.83	
26 51 33 00-0008 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.41	
26 51 33 00-0009 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	22.01	
26 51 33 00-0010 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	24.21	
26 51 33 00-0011 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	28.61	



Electrical	26	
Lighting	26 50	26
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

26 51 33 00-0012 Pendant Mounting Modifications (26 51 33 00-0001)

Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.

26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section.....	16.73	
		Note: Per pendant.		
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section.....	19.37	
		Note: Per pendant.		
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section.....	24.78	
		Note: Per pendant.		
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section.....	29.27	
		Note: Per pendant.		
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section.....	36.98	
		Note: Per pendant.		
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section.....	50.19	
		Note: Per pendant.		

26 51 33 00-0019 Fluorescent Light Accessories (26 51 33 00-0001)

26 51 33 00-0020	EA	Blank Metal Light Box Plate.....	30.98	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor.....	169.47	

26 51 33 00-0022 Wire Guards (26 51 33 00-0001)

26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture.....	74.25	7.70
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture.....	104.67	12.32
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture.....	82.84	8.48
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture.....	117.97	13.09
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture.....	100.87	9.24
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture.....	138.34	13.86

26 51 33 00-0029 Lighting Accessories (26 51 33)

26 51 33 00-0030 Modular Flexible Wiring Systems (26 51 33 00-0029)

26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	108.68	8.30
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	126.17	8.30
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	151.77	8.30
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	126.17	8.30
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	110.47	8.30
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	162.02	8.30
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	90.01	8.30
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	101.41	8.30
26 51 33 00-0039	EA	7" Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	128.82	8.30
26 51 33 00-0040	EA	7" Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	128.82	8.30
26 51 33 00-0041	EA	7" Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	130.97	8.30
26 51 33 00-0042	EA	7" Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	130.18	8.30
26 51 33 00-0043	EA	7" Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	130.18	8.30
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	149.36	8.30
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	69.53	8.30
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	65.06	8.30
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	66.62	8.30
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	83.22	8.30
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	108.68	8.30
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	111.38	8.30
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	87.35	8.30
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	65.06	8.30
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	69.21	

26 51 33 00-0054 Additional Lighting Wire Whips (26 51 33)

26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add.....	1.84	
		Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		

26 51 33 00-0056 Removal And Reinstallation Of Light Fixtures (26 51 33)

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	163.74	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	187.14	

26 52 Safety Lighting (26 50)

26 52 13 Emergency and Exit Lighting (26 52)

26 52 13 13 Emergency Lighting (26 52 13)

26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0002		Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	261.56	38.46
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	183.96	38.46
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	285.52	38.46
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	331.50	38.46
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	489.51	38.46
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	553.65	38.46
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	803.55	38.46
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0010		Remote Heads For Commercial Emergency Lights (26 52 13 13-0001) Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	176.25	23.07
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	177.40	23.07
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	181.28	23.07
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	180.65	23.07
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	156.84	23.07
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	109.54	23.07
26 52 13 13-0017		Industrial Emergency Lights (26 52 13 13)		
26 52 13 13-0018		Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0019		Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	454.61	38.46
		<i>For Wireguard, Add</i>	227.25	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	382.85	38.46
		<i>For Wireguard, Add</i>	227.25	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	592.58	38.46
		<i>For Wireguard, Add</i>	227.25	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	628.78	38.46
		<i>For Wireguard, Add</i>	227.25	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	894.22	38.46
		<i>For Wireguard, Add</i>	242.04	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,402.02	38.46
		<i>For Wireguard, Add</i>	242.04	
26 52 13 13-0026		Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	136.80	23.07
		<i>For Wireguard, Add</i>	183.40	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	141.31	23.07
		<i>For Wireguard, Add</i>	183.40	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	137.43	23.07
		<i>For Wireguard, Add</i>	183.40	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	138.16	23.07
		<i>For Wireguard, Add</i>	183.40	



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	141.31	23.07
<i>For Wireguard, Add</i>	183.40	
26 52 13 13-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	164.18	23.07
<i>For Wireguard, Add</i>	183.40	
26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0017)</small>		
26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small>		
<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
26 52 13 13-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	448.84	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	487.14	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	476.65	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	503.40	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	842.28	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	663.40	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	742.09	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	781.96	38.46
<i>For Wireguard, Add</i>	220.96	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small>		
<i>Note: For use with fixtures that have remote capability.</i>		
26 52 13 13-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	119.49	23.07
26 52 13 13-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	128.62	23.07
26 52 13 13-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	119.59	23.07
26 52 13 13-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	126.31	23.07
26 52 13 13-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	109.06	23.07
26 52 13 13-0049 Outdoor Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 13 13-0049)</small>		
<i>Note: Includes nickel-cadmium batteries.</i>		
26 52 13 13-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	701.69	38.46
26 52 13 13-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	835.46	38.46
26 52 13 13-0053 Recessed Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0054 EA 10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	763.12	38.46
<i>For Wire Guard, Add</i>	60.00	
26 52 13 13-0055 EA 16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	615.69	76.91
<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
<i>For Wireguard, Add</i>	242.04	

26	Electrical
26 50	Lighting
26 52	Safety Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0056	EA		50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	874.95	76.91
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			For Wireguard, Add	242.04	
26 52 13 13-0057			Square Wraparound Emergency Lights (26 52 13 13)		
26 52 13 13-0058	EA		10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	354.21	38.46
26 52 13 16			Exit Signs (26 52 13)		
			Note: Excludes pendants.		
26 52 13 16-0001			LED Exit Signs (26 52 13 16)		
			Note: Includes red LED lamps.		
26 52 13 16-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	218.55	56.22
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-8.28	
			For >100 To 250, Deduct	-13.74	
			For >250 To 500, Deduct	-21.86	
			For >500, Deduct	-29.97	
26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	218.55	56.22
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-8.28	
			For >100 To 250, Deduct	-13.74	
			For >250 To 500, Deduct	-21.86	
			For >500, Deduct	-29.97	
26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	297.91	56.22
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.26	
			For >100 To 250, Deduct	-17.71	
			For >250 To 500, Deduct	-29.79	
			For >500, Deduct	-41.88	
26 52 13 16-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	297.91	56.22
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.26	
			For >100 To 250, Deduct	-17.71	
			For >250 To 500, Deduct	-29.79	
			For >500, Deduct	-41.88	
26 52 13 16-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	326.27	56.22
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-10.97	
			For >100 To 250, Deduct	-19.12	
			For >250 To 500, Deduct	-32.63	
			For >500, Deduct	-46.13	
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	367.64	56.22
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-12.00	
			For >100 To 250, Deduct	-21.19	
			For >250 To 500, Deduct	-36.76	
			For >500, Deduct	-52.33	
26 52 13 16-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	308.98	56.22
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.54	
			For >100 To 250, Deduct	-18.26	
			For >250 To 500, Deduct	-30.90	
			For >500, Deduct	-43.54	
26 52 13 16-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	339.01	56.22
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-11.29	
			For >100 To 250, Deduct	-19.76	
			For >250 To 500, Deduct	-33.90	
			For >500, Deduct	-48.04	
26 52 13 16-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4)	395.08	56.22
			Note: Includes two circular side mounted krypton emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-13.72	
			For >100 To 250, Deduct	-23.60	
			For >250 To 500, Deduct	-39.51	
			For >500, Deduct	-55.42	
26 52 13 16-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)	341.01	56.22
			Note: Includes two circular side mounted LED emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-12.37	
			For >100 To 250, Deduct	-20.90	
			For >250 To 500, Deduct	-34.10	
			For >500, Deduct	-47.31	



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	488.78	56.22
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-16.07	
For >100 To 250, Deduct	-28.28	
For >250 To 500, Deduct	-48.88	
For >500, Deduct	-69.47	
26 52 13 16-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	510.58	56.22
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-16.61	
For >100 To 250, Deduct	-29.37	
For >250 To 500, Deduct	-51.06	
For >500, Deduct	-72.74	
26 52 13 16-0014 EA Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	151.70	56.22
For >50 To 100, Deduct	-6.60	
For >100 To 250, Deduct	-10.40	
For >250 To 500, Deduct	-15.17	
For >500, Deduct	-19.94	
26 52 13 16-0015 EA 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R).....	152.21	56.22
For >50 To 100, Deduct	-6.62	
For >100 To 250, Deduct	-10.42	
For >250 To 500, Deduct	-15.22	
For >500, Deduct	-20.02	
26 52 13 16-0016 Edge-Lit LED Exit Signs (26 52 13 16)		
Note: Includes red LED lamps.		
26 52 13 16-0017 EA Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6).....	292.86	56.22
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-10.13	
For >100 To 250, Deduct	-17.45	
For >250 To 500, Deduct	-29.29	
For >500, Deduct	-41.12	
26 52 13 16-0018 EA Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6).....	295.72	56.22
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-10.20	
For >100 To 250, Deduct	-17.60	
For >250 To 500, Deduct	-29.57	
For >500, Deduct	-41.55	
26 52 13 16-0019 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6).....	315.10	56.22
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-10.69	
For >100 To 250, Deduct	-18.57	
For >250 To 500, Deduct	-31.51	
For >500, Deduct	-44.45	
26 52 13 16-0020 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6).....	373.01	56.22
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-12.14	
For >100 To 250, Deduct	-21.46	
For >250 To 500, Deduct	-37.30	
For >500, Deduct	-53.14	
26 52 13 16-0021 Self-Luminous Tritium Exit Signs (26 52 13 16)		
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R).....	603.46	56.22
For >50 To 100, Deduct	-17.90	
For >100 To 250, Deduct	-32.98	
For >250 To 500, Deduct	-60.35	
For >500, Deduct	-87.71	
26 52 13 16-0023 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R).....	1,093.95	56.22
For >50 To 100, Deduct	-30.16	
For >100 To 250, Deduct	-57.51	
For >250 To 500, Deduct	-109.40	
For >500, Deduct	-161.28	
26 52 13 16-0024 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R).....	715.20	56.22
For >50 To 100, Deduct	-20.69	
For >100 To 250, Deduct	-38.57	
For >250 To 500, Deduct	-71.52	
For >500, Deduct	-104.47	
26 52 13 16-0025 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R).....	1,183.66	56.22
For >50 To 100, Deduct	-32.40	
For >100 To 250, Deduct	-61.99	
For >250 To 500, Deduct	-118.37	
For >500, Deduct	-174.74	

26 Electrical
26 50 Lighting
26 52 Safety Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0026 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R).....	659.07	56.22
For>50 To 100, Deduct	-19.29	
For>100 To 250, Deduct	-35.76	
For>250 To 500, Deduct	-65.91	
For>500, Deduct	-96.05	
26 52 13 16-0027 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,183.66	56.22
For>50 To 100, Deduct	-32.40	
For>100 To 250, Deduct	-61.99	
For>250 To 500, Deduct	-118.37	
For>500, Deduct	-174.74	
26 52 13 16-0028 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R).....	804.38	56.22
For>50 To 100, Deduct	-22.92	
For>100 To 250, Deduct	-43.03	
For>250 To 500, Deduct	-80.44	
For>500, Deduct	-117.85	
26 52 13 16-0029 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,464.84	56.22
For>50 To 100, Deduct	-39.43	
For>100 To 250, Deduct	-76.05	
For>250 To 500, Deduct	-146.48	
For>500, Deduct	-216.91	
26 52 13 16-0030 Vandal-Resistant LED Exit Signs (26 52 13 16)		
Note: Includes red LED lamps.		
26 52 13 16-0031 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	570.41	56.22
For>50 To 100, Deduct	-17.07	
For>100 To 250, Deduct	-31.33	
For>250 To 500, Deduct	-57.04	
For>500, Deduct	-82.75	
26 52 13 16-0032 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	874.15	56.22
For>50 To 100, Deduct	-24.67	
For>100 To 250, Deduct	-46.52	
For>250 To 500, Deduct	-87.42	
For>500, Deduct	-128.31	
26 52 13 16-0033 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X).....	1,060.38	56.22
For>50 To 100, Deduct	-29.32	
For>100 To 250, Deduct	-55.83	
For>250 To 500, Deduct	-106.04	
For>500, Deduct	-156.25	
26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture (26 52 13 16)		
26 52 13 16-0035 EA Removal And Reinstall Of Exit Light Fixtures	115.37	
Note: Includes storage and cleaning.		
For>50 To 100, Deduct	-5.77	
For>100 To 250, Deduct	-8.65	
For>250 To 500, Deduct	-11.54	
For>500, Deduct	-14.42	
26 52 13 16-0036 Exit Sign Accessories (26 52 13 16)		
26 52 13 16-0037 EA Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	135.69	15.41
For>50 To 100, Deduct	-4.16	
For>100 To 250, Deduct	-7.55	
For>250 To 500, Deduct	-13.57	
For>500, Deduct	-19.58	
26 52 13 16-0038 EA Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	81.40	15.41
For>50 To 100, Deduct	-2.81	
For>100 To 250, Deduct	-4.84	
For>250 To 500, Deduct	-8.14	
For>500, Deduct	-11.44	
26 52 13 16-0039 EA Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	125.85	12.32
For>50 To 100, Deduct	-3.76	
For>100 To 250, Deduct	-6.91	
For>250 To 500, Deduct	-12.59	
For>500, Deduct	-18.26	
26 52 13 16-0040 EA Removal And Replacement Of Battery For Exit Signs	137.02	
Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
For>50 To 100, Deduct	-4.39	
For>100 To 250, Deduct	-7.81	
For>250 To 500, Deduct	-13.70	
For>500, Deduct	-19.59	

26 54 Classified Location Lighting (26 50)

26 54 19 LED Classified Location Lighting (26 54)

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)



Electrical	26	26
Lighting	26 50	
Classified Location Lighting	26 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003 EA 5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,516.17	126.49
<i>For Bolt-On Visor, Add</i>	94.27	
<i>For Bolt-On Wire Guard, Add</i>	193.89	
<i>For 480 Volt, Add</i>	166.01	
<i>For Warm White Color Rendering, Add</i>	70.48	
<i>For >50 To 100, Deduct</i>	-68.17	
<i>For >100 To 250, Deduct</i>	-131.08	
<i>For >250 To 500, Deduct</i>	-251.62	
<i>For >500, Deduct</i>	-372.16	
26 54 19 00-0004 EA 7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	3,073.25	134.93
<i>For Bolt-On Visor, Add</i>	94.27	
<i>For Bolt-On Wire Guard, Add</i>	193.89	
<i>For 480 Volt, Add</i>	166.01	
<i>For Warm White Color Rendering, Add</i>	70.48	
<i>For >50 To 100, Deduct</i>	-82.45	
<i>For >100 To 250, Deduct</i>	-159.28	
<i>For >250 To 500, Deduct</i>	-307.33	
<i>For >500, Deduct</i>	-455.37	
26 54 19 00-0005 EA 9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,467.46	143.37
<i>For Bolt-On Visor, Add</i>	94.27	
<i>For Bolt-On Wire Guard, Add</i>	193.89	
<i>For 480 Volt, Add</i>	166.01	
<i>For Warm White Color Rendering, Add</i>	70.48	
<i>For >50 To 100, Deduct</i>	-92.66	
<i>For >100 To 250, Deduct</i>	-179.35	
<i>For >250 To 500, Deduct</i>	-346.75	
<i>For >500, Deduct</i>	-514.15	
26 54 19 00-0006 EA 11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	3,872.50	151.79
<i>For Bolt-On Visor, Add</i>	94.27	
<i>For Bolt-On Wire Guard, Add</i>	193.89	
<i>For 480 Volt, Add</i>	166.01	
<i>For Warm White Color Rendering, Add</i>	70.48	
<i>For >50 To 100, Deduct</i>	-103.14	
<i>For >100 To 250, Deduct</i>	-199.95	
<i>For >250 To 500, Deduct</i>	-387.25	
<i>For >500, Deduct</i>	-574.55	
26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008 EA 1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,505.75	118.07
<i>For 12/24 Volt DC Driver, Add</i>	26.79	
<i>For Frosted Lens, Add</i>	54.75	
<i>For Warm White Color Temperature LEDs, Add</i>	70.48	
<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	36.48	
<i>For Stanchion Mount, Add</i>	225.86	
<i>For Ceiling Mount, Add</i>	90.57	
<i>For Wall Mount, Add</i>	132.21	
<i>For Teflon Coated Lens, Add</i>	116.21	
<i>For Wall Mount With Junction Box, Add</i>	193.04	
<i>For >50 To 100, Deduct</i>	-42.56	
<i>For >100 To 250, Deduct</i>	-80.21	
<i>For >250 To 500, Deduct</i>	-150.58	
<i>For >500, Deduct</i>	-220.94	
26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010 EA 3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,364.64	118.07
<i>For Ceiling Mount, Add</i>	17.33	
<i>For Quick Clip Mounting Option, Add</i>	25.46	
<i>For Frosted Lens, Add</i>	54.75	
<i>For Warm White Color Rendering, Add</i>	70.48	
<i>For Polycarbonate Lens, Add</i>	101.48	
<i>For 480 Volt, Add</i>	166.01	
<i>For >50 To 100, Deduct</i>	-64.04	
<i>For >100 To 250, Deduct</i>	-123.15	
<i>For >250 To 500, Deduct</i>	-236.46	
<i>For >500, Deduct</i>	-349.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54	19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,617.23	126.49
			<i>For Ceiling Mount, Add</i>	17.33	
			<i>For Quick Clip Mounting Option, Add</i>	25.46	
			<i>For Frosted Lens, Add</i>	54.75	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For Polycarbonate Lens, Add</i>	101.48	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For >50 To 100, Deduct</i>	-70.70	
			<i>For >100 To 250, Deduct</i>	-136.13	
			<i>For >250 To 500, Deduct</i>	-261.72	
			<i>For >500, Deduct</i>	-387.31	
26 54	19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	2,929.69	134.93
			<i>For Ceiling Mount, Add</i>	17.33	
			<i>For Quick Clip Mounting Option, Add</i>	25.46	
			<i>For Frosted Lens, Add</i>	54.75	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For Polycarbonate Lens, Add</i>	101.48	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For >50 To 100, Deduct</i>	-78.86	
			<i>For >100 To 250, Deduct</i>	-152.11	
			<i>For >250 To 500, Deduct</i>	-292.97	
			<i>For >500, Deduct</i>	-433.83	
26 54	19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	3,803.59	143.37
			<i>For Ceiling Mount, Add</i>	17.33	
			<i>For Quick Clip Mounting Option, Add</i>	25.46	
			<i>For Frosted Lens, Add</i>	54.75	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For Polycarbonate Lens, Add</i>	101.48	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For >50 To 100, Deduct</i>	-101.06	
			<i>For >100 To 250, Deduct</i>	-196.15	
			<i>For >250 To 500, Deduct</i>	-380.36	
			<i>For >500, Deduct</i>	-564.57	
26 54	19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,358.67	151.79
			<i>For Ceiling Mount, Add</i>	17.33	
			<i>For Quick Clip Mounting Option, Add</i>	25.46	
			<i>For Frosted Lens, Add</i>	54.75	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For Polycarbonate Lens, Add</i>	101.48	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For >50 To 100, Deduct</i>	-115.29	
			<i>For >100 To 250, Deduct</i>	-224.26	
			<i>For >250 To 500, Deduct</i>	-435.87	
			<i>For >500, Deduct</i>	-647.48	
26 54	19 00-0015		Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		
26 54	19 00-0016		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54	19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	3,786.05	126.49
			<i>For Wall Mount, Deduct</i>	-14.26	
			<i>For Warm Color Temperature LEDs, Add</i>	76.86	
			<i>For Stainless Steel Guard, Add</i>	137.97	
			<i>For Ceiling Mount, Add</i>	166.44	
			<i>For Stanchion Mount, Add</i>	193.71	
			<i>For Yoke Mount, Add</i>	484.27	
			<i>For >50 To 100, Deduct</i>	-99.92	
			<i>For >100 To 250, Deduct</i>	-194.57	
			<i>For >250 To 500, Deduct</i>	-378.61	
			<i>For >500, Deduct</i>	-562.64	
26 54	19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	4,595.75	134.93
			<i>For Wall Mount, Deduct</i>	-14.26	
			<i>For Warm Color Temperature LEDs, Add</i>	76.86	
			<i>For Stainless Steel Guard, Add</i>	137.97	
			<i>For Ceiling Mount, Add</i>	166.44	
			<i>For Stanchion Mount, Add</i>	193.71	
			<i>For Yoke Mount, Add</i>	484.27	
			<i>For >50 To 100, Deduct</i>	-120.52	
			<i>For >100 To 250, Deduct</i>	-235.41	
			<i>For >250 To 500, Deduct</i>	-459.58	
			<i>For >500, Deduct</i>	-683.74	



Electrical 26
Lighting 26 50
Classified Location Lighting 26 54

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
26 54 19 00-0019 EA 9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	5,333.22	143.37
<i>For Wall Mount, Deduct</i>	-14.26	
<i>For Warm Color Temperature LEDs, Add</i>	76.86	
<i>For Stainless Steel Guard, Add</i>	137.97	
<i>For Ceiling Mount, Add</i>	166.44	
<i>For Stanchion Mount, Add</i>	193.71	
<i>For Yoke Mount, Add</i>	484.27	
<i>For >50 To 100, Deduct</i>	-139.30	
<i>For >100 To 250, Deduct</i>	-272.63	
<i>For >250 To 500, Deduct</i>	-533.32	
<i>For >500, Deduct</i>	-794.01	
26 54 19 00-0020 EA 10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	6,084.17	151.79
<i>For Wall Mount, Deduct</i>	-14.26	
<i>For Warm Color Temperature LEDs, Add</i>	76.86	
<i>For Stainless Steel Guard, Add</i>	137.97	
<i>For Ceiling Mount, Add</i>	166.44	
<i>For Stanchion Mount, Add</i>	193.71	
<i>For Yoke Mount, Add</i>	484.27	
<i>For >50 To 100, Deduct</i>	-158.43	
<i>For >100 To 250, Deduct</i>	-310.53	
<i>For >250 To 500, Deduct</i>	-608.42	
<i>For >500, Deduct</i>	-906.30	
26 54 19 00-0021 EA 13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	7,043.40	146.17
<i>For Wall Mount, Deduct</i>	-14.26	
<i>For Warm Color Temperature LEDs, Add</i>	76.86	
<i>For Stainless Steel Guard, Add</i>	137.97	
<i>For Ceiling Mount, Add</i>	166.44	
<i>For Stanchion Mount, Add</i>	193.71	
<i>For Yoke Mount, Add</i>	484.27	
<i>For >50 To 100, Deduct</i>	-182.76	
<i>For >100 To 250, Deduct</i>	-358.85	
<i>For >250 To 500, Deduct</i>	-704.34	
<i>For >500, Deduct</i>	-1,049.83	

26 55 Special Purpose Lighting (26 50)

26 55 13 Landscape Lighting (26 55)

26 55 13 00-0001 Bollards (26 55 13)		
<i>Note: Excludes concrete base.</i>		
26 55 13 00-0002 Aluminum Architectural Bollards (26 55 13 00-0001)		
26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,631.22	130.75
26 55 13 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,646.60	138.44
26 55 13 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,661.98	146.13
26 55 13 00-0008 EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,545.10	153.82
26 55 13 00-0009 EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,631.22	130.75
26 55 13 00-0010 EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,646.60	138.44
26 55 13 00-0011 EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,661.98	146.13
26 55 13 00-0012 EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,545.10	153.82
26 55 13 00-0013 EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,631.22	130.75
26 55 13 00-0014 EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,646.60	138.44
26 55 13 00-0015 EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,661.98	146.13
26 55 13 00-0016 EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,545.10	153.82
26 55 13 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,631.22	130.75
26 55 13 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,646.60	138.44
26 55 13 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,661.98	146.13
26 55 13 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,545.10	153.82
26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,570.48	130.75
26 55 13 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,585.86	138.44
26 55 13 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,601.24	146.13
26 55 13 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,483.81	153.82
26 55 13 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,570.48	130.75
26 55 13 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,585.86	138.44
26 55 13 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,601.24	146.13
26 55 13 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,483.81	153.82
26 55 13 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,570.48	130.75
26 55 13 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,585.86	138.44
26 55 13 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,601.24	146.13
26 55 13 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,483.81	153.82
26 55 13 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,570.48	130.75
26 55 13 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,585.86	138.44
26 55 13 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,601.24	146.13
26 55 13 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,483.81	153.82



MINOR	DESCRIPTION
CSI	UOM

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

26 55 13 00-0038	Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0039	Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)			
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,710.09	130.75
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,725.47	138.44
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,740.85	146.13
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,623.41	153.82
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,710.09	130.75
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,725.47	138.44
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,740.85	146.13
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,623.41	153.82
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,710.09	130.75
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,725.47	138.44
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,740.85	146.13
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,689.41	153.82
26 55 13 00-0052	Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)			
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,648.79	130.75
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,664.17	138.44
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,679.55	146.13
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,562.12	153.82
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,648.79	130.75
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,664.17	138.44
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,679.55	146.13
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,562.12	153.82
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,648.79	130.75
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,664.17	138.44
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,679.55	146.13
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,562.12	153.82
26 55 13 00-0065	Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0066	Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)			
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,624.30	130.75
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,639.68	138.44
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.06	146.13
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,539.43	153.82
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,624.30	130.75
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,639.68	138.44
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.06	146.13
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,539.43	153.82
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,624.30	130.75
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,639.68	138.44
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.06	146.13
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,539.43	153.82
26 55 13 00-0079	Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)			
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,564.35	130.75
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.73	138.44
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,595.11	146.13
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,480.63	153.82
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,564.35	130.75
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.73	138.44
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,595.11	146.13
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,480.63	153.82
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,564.35	130.75
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.73	138.44
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,595.11	146.13
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,480.63	153.82
26 55 13 00-0092	LED, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0093	Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)			
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,935.61	130.75
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,950.99	138.44
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,966.37	146.13
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,852.39	153.82
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,352.98	130.75
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,368.36	138.44
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,383.74	146.13
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,267.69	153.82
26 55 13 00-0102	Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)			
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,873.35	130.75



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,888.73	138.44
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,904.11	146.13
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,788.06	153.82
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,290.72	130.75
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,306.10	138.44
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,321.48	146.13
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,206.17	153.82
26 55 13 00-0111 Reinforced Concrete Bollards <small>(26 55 13 00-0001)</small>		
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,708.82	384.55
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,942.70	512.68
26 55 13 00-0114 Low Voltage <small>(26 55 13)</small>		
26 55 13 00-0115 EA Low Voltage Recessed Uplight	838.68	279.96
26 55 13 00-0116 EA Low Voltage Walkway	558.99	153.82
26 55 13 00-0117 EA Low Voltage Malibu - 5 Light Set	593.51	205.35
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier	495.01	153.82
26 55 13 00-0119 Recessed, Adjustable <small>(26 55 13)</small>		
26 55 13 00-0120 EA 150 Watt Incandescent Recessed, Adjustable	917.19	246.12
26 55 13 00-0121 EA 300 Watt Incandescent Recessed, Adjustable	985.74	246.12
26 55 13 00-0122 Recessed, Uplight <small>(26 55 13)</small>		
26 55 13 00-0123 EA 50 Watt Incandescent Recessed Uplight	839.51	246.12
26 55 13 00-0124 EA 150 Watt Incandescent Recessed Uplight	853.22	246.12
26 55 13 00-0125 EA 300 Watt Incandescent Recessed Uplight	894.34	246.12
26 55 13 00-0126 EA 500 Watt Quartz Recessed Uplight	889.77	246.12
26 55 13 00-0127 EA 5 Watt, LED Recessed Uplight	1,254.13	246.12
26 55 13 00-0128 EA 15 Watt, LED Recessed Uplight	1,370.42	246.12
26 55 13 00-0129 Recessed Wall Light <small>(26 55 13)</small>		
26 55 13 00-0130 EA 100 Watt Incandescent Recessed Wall Light	453.88	153.82
26 55 13 00-0131 EA 100 Watt Fluorescent Recessed Wall Light	440.17	153.82
26 55 13 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light	680.34	205.35
26 55 13 00-0133 Step Lights <small>(26 55 13)</small>		
26 55 13 00-0134 EA Incandescent Step Light	369.43	123.05
26 55 13 00-0135 EA Fluorescent Step Light	415.20	123.05
26 55 13 00-0136 EA 5 Watt, LED Step Light	684.12	123.05
26 55 13 00-0137 EA 15 Watt, LED Step Light	808.16	123.05
26 55 13 00-0138 Tree Lights, Surface Adjustable <small>(26 55 13)</small>		
26 55 13 00-0139 EA 50 Watt Incandescent Tree Lights	739.75	205.35
26 55 13 00-0140 EA 100 Watt Incandescent Tree Lights	753.46	205.35
26 55 13 00-0141 EA 150 Watt Incandescent Tree Lights	980.87	307.65
26 55 16 Walkway Lighting <small>(26 55)</small>		
26 55 16 00-0001 Incandescent Walkway <small>(26 55 16)</small>		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture	461.88	143.05
26 55 16 00-0003 Metal Halide Walkway <small>(26 55 16)</small>		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture	712.26	224.88
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture	751.45	233.04
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	805.08	241.96
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	863.60	261.50
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	774.48	241.96
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	771.14	224.88
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	788.20	233.04
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture	611.23	160.28
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	641.84	160.28
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture	672.44	160.28
26 55 16 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture	758.97	180.43
26 55 16 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture	578.82	143.98
26 55 16 00-0016 High Pressure Sodium Walkway <small>(26 55 16)</small>		
26 55 16 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	654.84	224.88
26 55 16 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	689.03	233.04
26 55 16 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	734.78	241.96

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	789.14	261.50
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	710.87	241.96
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	700.84	224.88
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	717.74	233.04
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	547.62	160.28
26 55 16 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	571.54	160.28
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	595.45	160.28
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	671.94	180.43
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	502.22	143.98
26 55 16 00-0029 Walkway, Adjustable <small>(26 55 16)</small>		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture	667.44	205.35
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture	682.54	205.35
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture	1,148.85	307.65
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	549.27	153.82
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	569.40	153.82
26 55 16 00-0035 LED Walkway <small>(26 55 16)</small>		
26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,039.81	118.07
<i>For Multi-Level Drive Currents, Add</i>		
	267.03	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,072.23	118.07
<i>For Multi-Level Drive Currents, Add</i>		
	267.03	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,129.45	118.07
<i>For Multi-Level Drive Currents, Add</i>		
	267.03	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,173.32	118.07
<i>For Multi-Level Drive Currents, Add</i>		
	267.03	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,353.53	151.79
<i>For Multi-Level Drive Currents, Add</i>		
	267.03	
26 55 16 00-0042 Wall Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	4,530.41	
Note: Type Fixture 17 as Post		
26 55 16 00-0044 Pole Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	4,188.21	
26 55 16 00-0046 EA 12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	4,113.53	
Note: Washers and nuts included		
26 55 29 Underwater Lighting <small>(26 55)</small>		
26 55 29 00-0001 Underwater Lights <small>(26 55 29)</small>		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights	556.48	102.29
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights	611.31	102.29
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights	1,427.26	153.82
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights	579.33	102.29
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights	643.30	102.29
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,626.47	230.73
26 55 53 Security Lighting <small>(26 55)</small>		
26 55 53 11 Security Flood Lighting <small>(26 55 53)</small>		
26 55 53 11-0001 General Electric Powerflood® Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	423.26	125.57
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	426.70	125.57
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	432.44	125.57
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light	559.80	125.57
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0010 High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	829.40	167.43
26 55 53 11-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light.....	833.99	167.43
26 55 53 11-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light.....	842.02	167.43
26 55 53 11-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light.....	932.67	167.43
26 55 53 11-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light.....	959.06	167.43
26 55 53 11-0016 Metal Halide P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light.....	821.37	167.43
26 55 53 11-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light.....	861.53	167.43
26 55 53 11-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light.....	882.18	167.43
26 55 53 11-0020 PF-154 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021 High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 55 53 11-0020)</small>		
26 55 53 11-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	851.75	188.36
26 55 53 11-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	857.49	188.36
26 55 53 11-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	866.67	188.36
26 55 53 11-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	956.17	188.36
26 55 53 11-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	981.41	188.36
26 55 53 11-0027 Metal Halide PF-154 GE Flood Lights <small>(26 55 53 11-0020)</small>		
26 55 53 11-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light.....	844.87	188.36
26 55 53 11-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light.....	883.88	188.36
26 55 53 11-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light.....	904.53	188.36
26 55 53 11-0031 PF-400 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032 High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 55 53 11-0031)</small>		
26 55 53 11-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,122.54	188.36
26 55 53 11-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,202.86	188.36
26 55 53 11-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,197.12	188.36
26 55 53 11-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,225.81	188.36
26 55 53 11-0037 Metal Halide PF-400 GE Flood Lights <small>(26 55 53 11-0031)</small>		
26 55 53 11-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light.....	1,152.37	188.36
26 55 53 11-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light.....	1,176.47	188.36
26 55 53 11-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light.....	1,201.71	188.36
26 55 53 11-0041 PF-1000 (Large Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042 High Pressure Sodium PF-1000 Series GE Flood Lights <small>(26 55 53 11-0041)</small>		
26 55 53 11-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,507.46	209.30
26 55 53 11-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,507.46	209.30
26 55 53 11-0045 Metal Halide PF-1000 Series GE Flood Lights <small>(26 55 53 11-0041)</small>		
26 55 53 11-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,440.91	209.30
26 55 53 11-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,232.69	188.36
26 55 53 11-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,254.49	188.36
26 55 53 11-0051 Metal Halide HLU/VLU Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	1,245.31	188.36
26 55 53 11-0053 Accessories For Powerflood GE Flood Lights <small>(26 55 53 11-0001)</small>		
26 55 53 11-0054 EA Wireguard For Powerflood GE Flood Light.....	215.66	41.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	130.75	41.86
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light	183.53	41.86
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	143.37	41.86
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	368.18	125.57
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	156.00	41.86
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	282.13	125.57
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	292.46	125.57
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	120.43	41.86
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	116.98	41.86
26 55 53 11-0064 Lithonia Contour Series Flood Lights (26 55 53 11)		
26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	768.31	167.43
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	834.56	167.43
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	899.44	167.43
26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	980.40	167.43
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	964.45	167.43
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	938.75	167.43
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light	936.84	167.43
26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	973.79	167.43
26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,155.40	188.36
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,177.50	188.36
26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,105.74	188.36
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,105.74	188.36
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light	1,140.39	188.36
26 55 53 11-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,102.53	167.43
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,135.59	167.43
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,163.22	167.43
26 55 53 11-0090 Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	1,091.47	167.43
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	1,124.58	167.43
26 55 53 11-0093 TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	2,102.69	209.30
26 55 53 11-0096 Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,633.33	209.30
26 55 53 11-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,798.97	209.30
26 55 53 11-0099 Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	187.83	41.86
26 55 53 11-0101 EA Vandal Guard For Contour Series Lithonia Flood Light.....	350.41	41.86
26 55 53 11-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	157.14	41.86
26 55 53 11-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	206.83	41.86
26 55 53 11-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	471.98	125.57
26 55 53 11-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	384.06	125.57
26 55 53 11-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	384.06	125.57
26 55 53 11-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	419.13	125.57
26 55 53 11-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	180.28	41.86
26 55 53 11-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	146.59	41.86
26 55 53 11-0110 Eaton Flood Lights (26 55 53 11)		
26 55 53 11-0111 EA 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	1,176.65	167.43
For NEMA Photocontrol Option (Eaton OA/RA1016), Add	59.40	
For >50 To 100, Deduct	-37.79	
For >100 To 250, Deduct	-67.20	
For >250 To 500, Deduct	-117.67	
For >500, Deduct	-168.13	
26 55 53 11-0112 EA 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,457.45	185.55
For >50 To 100, Deduct	-45.71	
For >100 To 250, Deduct	-82.15	
For >250 To 500, Deduct	-145.75	
For >500, Deduct	-209.34	
26 55 53 11-0113 Ruud Flood Lights (26 55 53 11)		
26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0116 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	510.46	125.57
26 55 53 11-0117 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	510.46	125.57
26 55 53 11-0118 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	510.46	125.57
26 55 53 11-0119 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	510.46	125.57
26 55 53 11-0120 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	510.46	125.57
26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0122 EA 50 Watt Metal Halide NS Series Ruud Flood Light.....	574.72	125.57
26 55 53 11-0123 EA 70 Watt Metal Halide NS Series Ruud Flood Light.....	574.72	125.57
26 55 53 11-0124 EA 100 Watt Metal Halide NS Series Ruud Flood Light.....	574.72	125.57
26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0126 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	443.91	125.57
26 55 53 11-0127 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	459.98	125.57
26 55 53 11-0128 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	464.57	125.57
26 55 53 11-0129 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	469.16	125.57
26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0132 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	785.20	188.36
26 55 53 11-0133 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	826.51	188.36
26 55 53 11-0134 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	849.46	188.36
26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	776.03	188.36
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	780.61	188.36
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	794.38	188.36
26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light.....	759.96	188.36
26 55 53 11-0141 FS (Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	906.83	188.36
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	911.42	188.36
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,508.61	209.30

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0146		Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light.....	906.83	188.36
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light.....	911.42	188.36
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light.....	925.19	188.36
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,357.15	209.30
26 55 53 11-0151		MFS (Mini Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		High Pressure Sodium MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	718.10	167.43
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	766.29	167.43
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	766.29	167.43
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	766.29	167.43
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	766.29	167.43
26 55 53 11-0158		Metal Halide MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light.....	782.36	167.43
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light.....	782.36	167.43
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light.....	782.36	167.43
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light.....	757.11	167.43
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	775.47	167.43
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	823.66	167.43
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	823.66	167.43
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	823.66	167.43
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	823.66	167.43
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	839.73	167.43
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	839.73	167.43
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	839.73	167.43
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	814.48	167.43
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights (26 55 53 11-0175)		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,014.68	188.36
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,037.63	188.36
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,565.98	209.30
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights (26 55 53 11-0175)		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	964.20	188.36
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	968.79	188.36
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	982.56	188.36
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,414.52	209.30
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights (26 55 53 11-0185)		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light.....	1,299.78	209.30
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,538.44	209.30
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights (26 55 53 11-0185)		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light.....	1,244.71	209.30
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,386.99	209.30
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights (26 55 53 11-0192)		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,046.81	188.36



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0195 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,069.76	188.36
26 55 53 11-0196 Metal Halide PM/PN Series Ruud Flood Lights (26 55 53 11-0192)		
26 55 53 11-0197 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	996.33	188.36
26 55 53 11-0198 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,000.92	188.36
26 55 53 11-0199 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,014.68	188.36
26 55 53 11-0200 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,446.65	209.30
26 55 53 11-0201 Accessories For Ruud Flood Lighting (26 55 53 11-0113)		
26 55 53 11-0202 EA Wireguard For Ruud Flood Light.....	118.13	41.86
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	180.09	41.86
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Ruud Flood Light.....	134.20	41.86
26 55 53 11-0205 EA Vandal Shield For Ruud Flood Light.....	157.14	41.86
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light.....	329.17	125.57
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	104.36	41.86
26 55 53 11-0208 Lumark Flood Lights (26 55 53 11)		
26 55 53 11-0209 QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	298.08	125.57
26 55 53 11-0211 LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	365.78	125.57
26 55 53 11-0213 Kim Lighting (26 55 53 11)		
26 55 53 11-0214 MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215 LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)		
26 55 53 11-0216 EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	559.66	53.90
For >50 To 100, Deduct		-16.69
For >100 To 250, Deduct		-30.68
For >250 To 500, Deduct		-55.97
For >500, Deduct		-81.25
26 55 53 11-0217 EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	687.02	53.90
For >50 To 100, Deduct		-19.87
For >100 To 250, Deduct		-37.05
For >250 To 500, Deduct		-68.70
For >500, Deduct		-100.36
26 55 53 11-0218 Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219 LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218)		
Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220 EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	843.48	53.90
For >50 To 100, Deduct		-23.78
For >100 To 250, Deduct		-44.87
For >250 To 500, Deduct		-84.35
For >500, Deduct		-123.83
26 55 53 11-0221 CREE® BetaLED® Flood Lights (26 55 53 11)		
26 55 53 11-0222 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221)		
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223 EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,348.84	151.82
For >50 To 100, Deduct		-41.31
For >100 To 250, Deduct		-75.03
For >250 To 500, Deduct		-134.88
For >500, Deduct		-194.74
26 55 53 11-0224 EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,476.34	160.24
For >50 To 100, Deduct		-44.92
For >100 To 250, Deduct		-81.83
For >250 To 500, Deduct		-147.63
For >500, Deduct		-213.44

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 55 53 11-0225	Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 55 53 11-0221)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,173.67	143.39
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-36.51	
	For >100 To 250, Deduct	-65.85	
	For >250 To 500, Deduct	-117.37	
	For >500, Deduct	-168.88	
26 55 53 11-0227	EA 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,470.91	151.82
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-44.36	
	For >100 To 250, Deduct	-81.14	
	For >250 To 500, Deduct	-147.09	
	For >500, Deduct	-213.05	
26 55 53 11-0228	EA 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,768.16	160.24
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-52.22	
	For >100 To 250, Deduct	-96.42	
	For >250 To 500, Deduct	-176.82	
	For >500, Deduct	-257.21	
26 55 53 11-0229	EA 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,177.94	168.68
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-62.88	
	For >100 To 250, Deduct	-117.33	
	For >250 To 500, Deduct	-217.79	
	For >500, Deduct	-318.26	
26 55 53 11-0230	EA 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,475.19	177.11
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-70.74	
	For >100 To 250, Deduct	-132.62	
	For >250 To 500, Deduct	-247.52	
	For >500, Deduct	-362.42	
26 55 53 11-0231	EA 120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,772.43	185.55
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-78.59	
	For >100 To 250, Deduct	-147.90	
	For >250 To 500, Deduct	-277.24	
	For >500, Deduct	-406.59	
26 55 53 11-0232	EA 140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,159.32	193.98
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-88.68	
	For >100 To 250, Deduct	-167.67	
	For >250 To 500, Deduct	-315.93	
	For >500, Deduct	-464.20	
26 55 53 11-0233	EA 160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,456.56	202.42
	For 480 Volt, Add	107.03	
	For >50 To 100, Deduct	-96.54	
	For >100 To 250, Deduct	-182.95	
	For >250 To 500, Deduct	-345.66	
	For >500, Deduct	-508.36	
26 55 53 11-0234	Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 55 53 11-0221)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA 120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,659.90	185.55
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
	For Bird Spikes, Add	54.00	
	For 5,000K Color Temperature, Add	56.24	
	For Fuse, Add	67.48	
	For 0 To 10 Volt Dimming, Add	67.48	
	For 480 Volt, Add	101.23	
	For Multi-Level, Add	146.21	
	For 1,000mA Driver, Add	188.96	
	For >50 To 100, Deduct	-75.78	
	For >100 To 250, Deduct	-142.27	
	For >250 To 500, Deduct	-265.99	
	For >500, Deduct	-389.71	



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0236 EA 240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	4,492.13	227.72
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For 5,000K Color Temperature, Add	56.24	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Bird Spikes, Add	79.47	
For Multi-Level, Add	146.21	
For 1,000mA Driver, Add	188.96	
For 480 Volt, Add	202.45	
For >50 To 100, Deduct	-123.69	
For >100 To 250, Deduct	-235.99	
For >250 To 500, Deduct	-449.21	
For >500, Deduct	-662.43	
26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221)		
Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238 EA 112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,575.74	185.55
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Front Facing Optics, Back Light Shield, Add	42.17	
For Rotated Optics, Back Light Shield, Add	42.17	
For Field Adjustable Output, Add	33.75	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-48.67	
For >100 To 250, Deduct	-88.06	
For >250 To 500, Deduct	-157.57	
For >500, Deduct	-227.08	
26 55 53 11-0239 EA 168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,682.03	185.55
Note: Type III, IV or V medium optics only.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Front Facing Optics, Back Light Shield, Add	42.17	
For Rotated Optics, Back Light Shield, Add	42.17	
For Field Adjustable Output, Add	33.75	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Type II Medium Or Type V Short Optics, Add	270.14	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-51.33	
For >100 To 250, Deduct	-93.38	
For >250 To 500, Deduct	-168.20	
For >500, Deduct	-243.03	
26 55 53 11-0240 EA 223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,156.10	227.72
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Field Adjustable Output, Add	33.75	
For Front Facing Optics, Back Light Shield, Add	51.11	
For Rotated Optics, Back Light Shield, Add	51.11	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-65.29	
For >100 To 250, Deduct	-119.19	
For >250 To 500, Deduct	-215.61	
For >500, Deduct	-312.03	
26 55 53 11-0241 PlanLED Flood Lights (26 55 53 11)		
26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53 11-0243 EA 6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	714.79	151.82
For >50 To 100, Deduct	-25.46	
For >100 To 250, Deduct	-43.33	
For >250 To 500, Deduct	-71.48	
For >500, Deduct	-99.63	
26 55 53 11-0244 EA 9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	847.63	160.24
For >50 To 100, Deduct	-29.20	
For >100 To 250, Deduct	-50.39	
For >250 To 500, Deduct	-84.76	
For >500, Deduct	-119.13	
26 55 53 11-0245 EA 12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	974.13	172.90
For >50 To 100, Deduct	-33.00	
For >100 To 250, Deduct	-57.35	
For >250 To 500, Deduct	-97.41	
For >500, Deduct	-137.47	
26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0247 EA 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,971.47	337.37
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-66.16	
For >100 To 250, Deduct	-115.44	
For >250 To 500, Deduct	-197.15	
For >500, Deduct	-278.85	
26 55 53 11-0248 EA 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,994.10	337.37
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-91.72	
For >100 To 250, Deduct	-166.57	
For >250 To 500, Deduct	-299.41	
For >500, Deduct	-432.25	
26 55 53 11-0249 EA 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,195.37	337.37
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-146.75	
For >100 To 250, Deduct	-276.64	
For >250 To 500, Deduct	-519.54	
For >500, Deduct	-762.44	
26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) ^{(26 55 53}		
¹¹⁻⁰²⁴¹⁾		
26 55 53 11-0251 EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,718.44	219.29
For 0 To 10 Volt Dimming, Add	91.12	
For 480 Volt, Add	137.05	
For >50 To 100, Deduct	-53.93	
For >100 To 250, Deduct	-96.89	
For >250 To 500, Deduct	-171.84	
For >500, Deduct	-246.80	
26 55 53 11-0252 EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,182.32	227.72
For 0 To 10 Volt Dimming, Add	91.12	
For 480 Volt, Add	110.76	
For >50 To 100, Deduct	-65.94	
For >100 To 250, Deduct	-120.50	
For >250 To 500, Deduct	-218.23	
For >500, Deduct	-315.96	
26 55 53 11-0253 EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,766.36	236.16
For 0 To 10 Volt Dimming, Add	91.12	
For 480 Volt, Add	89.83	
For >50 To 100, Deduct	-80.97	
For >100 To 250, Deduct	-150.13	
For >250 To 500, Deduct	-276.64	
For >500, Deduct	-403.15	
26 55 53 12 Security Hazardous Location Flood Lights ^(26 55 53)		
Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001 Lithonia Hazardous Location Flood Lights ^(26 55 53 12)		
26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights ^(26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights ^(26 55 53 12-0002)		
26 55 53 12-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,092.87	167.43
26 55 53 12-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,164.00	167.43
26 55 53 12-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,095.16	167.43
26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0002)		
26 55 53 12-0008 EA 100 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,156.41	167.43
26 55 53 12-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,122.70	167.43
26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights ^(26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0010)		
26 55 53 12-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,043.96	167.43
26 55 53 12-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,086.42	167.43
26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0010)		
26 55 53 12-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	929.22	167.43



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,467.30	209.30
26 55 53 12-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,487.96	209.30
26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,460.42	209.30
26 55 53 12-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,487.96	209.30
26 55 53 12-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,099.59	188.36
26 55 53 12-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,179.91	188.36
26 55 53 12-0028 Accessories For Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13 Security High Performance Flood Lights <small>(26 55 53)</small> Note: For airport aprons and parking areas.		
26 55 53 13-0001 Lithonia High Performance Flood Lights <small>(26 55 53 13)</small>		
26 55 53 13-0002 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,496.48	251.15
26 55 53 13-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,684.65	251.15
26 55 53 13-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,693.83	251.15
26 55 53 13-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,980.68	251.15
26 55 53 13-0008 Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,861.35	251.15
26 55 53 13-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,734.11	251.15
26 55 53 13-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,613.52	251.15
26 55 53 13-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,732.85	251.15
26 55 53 13-0013 Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
26 55 61 Theatrical Lighting <small>(26 55)</small>		
26 55 61 00-0001 Stage Lighting <small>(26 55 61)</small>		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses	700.69	186.93
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses	700.69	186.93
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses	700.69	186.93
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14	721.32	186.93
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak1	581.65	186.93
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak	914.93	186.93
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight	2,303.16	186.93
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight.....	2,762.81	186.93
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowsers, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0010 EA 300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel.....	535.39	186.93
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		
26 55 61 00-0011 EA 6' Length, Multi-Lamp Compartmented Striplighting Luminaire.....	1,768.44	186.93
Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.		
26 55 61 00-0012 EA 1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S).....	2,973.00	186.93
26 55 68 Athletic Field Lighting (26 55)		
26 55 68 00-0001 Sports Lighting System (26 55 68)		
Note: Musco.		
26 55 68 00-0002 Round Steel Tapered Poles (26 55 68 00-0001)		
Note: With Internal wiring harness.		
26 55 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,361.37	803.68
26 55 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,249.18	971.11
26 55 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,905.34	1,054.83
26 55 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	6,442.12	1,096.69
26 55 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,016.99	1,138.55
26 55 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,223.35	1,389.69
26 55 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,906.30	1,473.41
26 55 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	11,253.25	1,674.33
26 55 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	12,771.60	1,883.63
26 55 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	14,080.25	2,056.80
26 55 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	15,371.85	2,298.77
26 55 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	16,778.47	2,581.09
26 55 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	18,875.24	3,105.37
26 55 68 00-0016 Steel Pole Brackets (26 55 68 00-0001)		
26 55 68 00-0017 EA Two Light Bracket.....	697.21	83.71
26 55 68 00-0018 EA Three Light Bracket.....	877.81	117.21
26 55 68 00-0019 EA Four Light Bracket.....	1,263.77	142.32
26 55 68 00-0020 EA Five Light Bracket.....	1,440.41	167.43
26 55 68 00-0021 EA Six Light Bracket.....	1,746.54	192.55
26 55 68 00-0022 EA Seven Light Bracket.....	1,999.83	217.66
26 55 68 00-0023 EA Eight Light Bracket.....	2,286.26	251.15
26 55 68 00-0024 EA Nine Light Bracket.....	2,582.71	276.27
26 55 68 00-0025 Light Fixtures (26 55 68 00-0001)		
26 55 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug.....	1,556.09	
For 1,500 Watt Metal Halide Lamp, Add	15.05	
26 55 68 00-0027 Electrical Component Enclosure (26 55 68 00-0001)		
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted.....	1,050.98	99.98
26 55 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted.....	1,578.49	153.82
26 55 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted.....	1,809.83	192.28
26 55 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted.....	2,336.97	215.35
26 55 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted.....	2,625.06	230.73
26 55 68 00-0033 Accessories (26 55 68 00-0001)		
26 55 68 00-0034 EA Time Delay Kit (Musco®).....	1,147.22	308.04
26 55 68 00-0035 EA Remote Switch Box Push Button (Musco®).....	2,209.52	308.04
26 55 68 00-0036 EA Push Button Strobe Kit (Musco®).....	2,634.43	308.04
26 55 68 00-0037 EA Additional Control-Link Unit (Musco®).....	12,471.14	924.12
26 55 68 00-0038 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	1,369.94	153.82
26 55 68 00-0039 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	1,677.57	307.65
26 56 Exterior Lighting (26 50)		
26 56 13 Lighting Poles and Standards (26 56)		
26 56 13 00-0001 Poles And Standards (26 56 13)		
See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002 Roadway Light Poles (26 56 13 00-0001)		
Note: Excludes lighting fixtures.		
26 56 13 00-0003 Steel Roadway Light Poles (26 56 13 00-0002)		
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,608.28 78.11 -90.21 -180.41 -295.74	502.30
26 56 13 00-0008 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,614.71 78.30 -90.37 -180.74 -296.22	502.30
26 56 13 00-0009 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,987.71 79.45 -99.69 -199.39 -332.57	669.74
26 56 13 00-0010 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,065.09 81.77 -101.63 -203.25 -338.37	669.74
26 56 13 00-0011 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,142.47 84.09 -103.56 -207.12 -344.17	669.74
26 56 13 00-0012 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,326.20 84.58 -108.16 -216.31 -362.14	753.45
26 56 13 00-0013 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,362.90 85.68 -109.07 -218.15 -364.89	753.45
26 56 13 00-0014 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,369.88 85.89 -109.25 -218.49 -365.41	753.45
26 56 13 00-0015 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,583.86 89.80 -114.60 -229.19 -383.56	795.31
26 56 13 00-0016 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,611.58 90.63 -115.29 -230.58 -385.63	795.31
26 56 13 00-0017 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,641.84 91.54 -116.05 -232.09 -387.90	795.31
26 56 13 00-0018 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,267.66 107.80 -131.69 -263.38 -436.93	837.16
26 56 13 00-0019 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,277.53 108.10 -131.94 -263.88 -437.67	837.16

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base		5,287.28	837.16
		<i>For Galvanized Finish, Add</i>		108.39	
		<i>For >10 To 20, Deduct</i>		-132.18	
		<i>For >20 To 40, Deduct</i>		-264.36	
		<i>For >40, Deduct</i>		-438.40	
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>					
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		4,478.01	586.02
		<i>For Galvanized Finish, Add</i>		99.18	
		<i>For >10 To 20, Deduct</i>		-111.95	
		<i>For >20 To 40, Deduct</i>		-223.90	
		<i>For >40, Deduct</i>		-365.15	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,561.22	606.94
		<i>For Galvanized Finish, Add</i>		100.42	
		<i>For >10 To 20, Deduct</i>		-114.03	
		<i>For >20 To 40, Deduct</i>		-228.06	
		<i>For >40, Deduct</i>		-372.44	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,634.23	627.88
		<i>For Galvanized Finish, Add</i>		101.35	
		<i>For >10 To 20, Deduct</i>		-115.86	
		<i>For >20 To 40, Deduct</i>		-231.71	
		<i>For >40, Deduct</i>		-378.96	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		4,544.82	753.45
		<i>For Galvanized Finish, Add</i>		91.14	
		<i>For >10 To 20, Deduct</i>		-113.62	
		<i>For >20 To 40, Deduct</i>		-227.24	
		<i>For >40, Deduct</i>		-378.53	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,603.09	774.38
		<i>For Galvanized Finish, Add</i>		91.63	
		<i>For >10 To 20, Deduct</i>		-115.08	
		<i>For >20 To 40, Deduct</i>		-230.15	
		<i>For >40, Deduct</i>		-383.95	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,651.60	795.31
		<i>For Galvanized Finish, Add</i>		91.83	
		<i>For >10 To 20, Deduct</i>		-116.29	
		<i>For >20 To 40, Deduct</i>		-232.58	
		<i>For >40, Deduct</i>		-388.64	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		4,914.90	837.16
		<i>For Galvanized Finish, Add</i>		97.22	
		<i>For >10 To 20, Deduct</i>		-122.87	
		<i>For >20 To 40, Deduct</i>		-245.75	
		<i>For >40, Deduct</i>		-410.48	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,966.75	858.10
		<i>For Galvanized Finish, Add</i>		97.52	
		<i>For >10 To 20, Deduct</i>		-124.17	
		<i>For >20 To 40, Deduct</i>		-248.34	
		<i>For >40, Deduct</i>		-415.41	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		5,014.92	879.02
		<i>For Galvanized Finish, Add</i>		97.71	
		<i>For >10 To 20, Deduct</i>		-125.37	
		<i>For >20 To 40, Deduct</i>		-250.75	
		<i>For >40, Deduct</i>		-420.07	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		5,210.92	879.02
		<i>For Galvanized Finish, Add</i>		103.59	
		<i>For >10 To 20, Deduct</i>		-130.27	
		<i>For >20 To 40, Deduct</i>		-260.55	
		<i>For >40, Deduct</i>		-434.77	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		5,295.68	899.96
		<i>For Galvanized Finish, Add</i>		104.87	
		<i>For >10 To 20, Deduct</i>		-132.39	
		<i>For >20 To 40, Deduct</i>		-264.78	
		<i>For >40, Deduct</i>		-442.17	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		5,378.23	920.88
		<i>For Galvanized Finish, Add</i>		106.09	
		<i>For >10 To 20, Deduct</i>		-134.46	
		<i>For >20 To 40, Deduct</i>		-268.91	
		<i>For >40, Deduct</i>		-449.41	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0034 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,856.59	920.88
For Galvanized Finish, Add	120.44	
For >10 To 20, Deduct	-146.41	
For >20 To 40, Deduct	-292.83	
For >40, Deduct	-485.29	
26 56 13 00-0035 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,904.88	941.81
For Galvanized Finish, Add	120.64	
For >10 To 20, Deduct	-147.62	
For >20 To 40, Deduct	-295.24	
For >40, Deduct	-489.96	
26 56 13 00-0036 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,953.39	962.75
For Galvanized Finish, Add	120.84	
For >10 To 20, Deduct	-148.83	
For >20 To 40, Deduct	-297.67	
For >40, Deduct	-494.64	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0038 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,319.99	837.16
For Galvanized Finish, Add	109.37	
For >10 To 20, Deduct	-133.00	
For >20 To 40, Deduct	-266.00	
For >40, Deduct	-440.86	
26 56 13 00-0039 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,410.25	879.02
For Galvanized Finish, Add	109.57	
For >10 To 20, Deduct	-135.26	
For >20 To 40, Deduct	-270.51	
For >40, Deduct	-449.72	
26 56 13 00-0040 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,510.26	920.88
For Galvanized Finish, Add	110.05	
For >10 To 20, Deduct	-137.76	
For >20 To 40, Deduct	-275.51	
For >40, Deduct	-459.31	
26 56 13 00-0041 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,650.84	920.88
For Galvanized Finish, Add	114.27	
For >10 To 20, Deduct	-141.27	
For >20 To 40, Deduct	-282.54	
For >40, Deduct	-469.86	
26 56 13 00-0042 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,744.19	962.75
For Galvanized Finish, Add	114.56	
For >10 To 20, Deduct	-143.60	
For >20 To 40, Deduct	-287.21	
For >40, Deduct	-478.95	
26 56 13 00-0043 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,834.45	1,004.60
For Galvanized Finish, Add	114.76	
For >10 To 20, Deduct	-145.86	
For >20 To 40, Deduct	-291.72	
For >40, Deduct	-487.81	
26 56 13 00-0044 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	6,002.16	962.75
For Galvanized Finish, Add	122.30	
For >10 To 20, Deduct	-150.05	
For >20 To 40, Deduct	-300.11	
For >40, Deduct	-498.30	
26 56 13 00-0045 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	6,092.42	1,004.60
For Galvanized Finish, Add	122.50	
For >10 To 20, Deduct	-152.31	
For >20 To 40, Deduct	-304.62	
For >40, Deduct	-507.16	
26 56 13 00-0046 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	6,182.69	1,046.46
For Galvanized Finish, Add	122.69	
For >10 To 20, Deduct	-154.57	
For >20 To 40, Deduct	-309.13	
For >40, Deduct	-516.02	
26 56 13 00-0047 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	6,445.52	1,004.60
For Galvanized Finish, Add	133.09	
For >10 To 20, Deduct	-161.14	
For >20 To 40, Deduct	-322.28	
For >40, Deduct	-533.64	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,535.44	1,046.46
			<i>For Galvanized Finish, Add</i>	133.28	
			<i>For >10 To 20, Deduct</i>	-163.39	
			<i>For >20 To 40, Deduct</i>	-326.77	
			<i>For >40, Deduct</i>	-542.48	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,632.25	1,088.32
			<i>For Galvanized Finish, Add</i>	133.67	
			<i>For >10 To 20, Deduct</i>	-165.81	
			<i>For >20 To 40, Deduct</i>	-331.61	
			<i>For >40, Deduct</i>	-551.83	
26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms					
<i>(26 56 13 00-0005)</i>					
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,912.14	920.88
			<i>For Galvanized Finish, Add</i>	122.11	
			<i>For >10 To 20, Deduct</i>	-147.80	
			<i>For >20 To 40, Deduct</i>	-295.61	
			<i>For >40, Deduct</i>	-489.45	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,047.46	983.67
			<i>For Galvanized Finish, Add</i>	122.40	
			<i>For >10 To 20, Deduct</i>	-151.19	
			<i>For >20 To 40, Deduct</i>	-302.37	
			<i>For >40, Deduct</i>	-502.74	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,179.47	1,046.46
			<i>For Galvanized Finish, Add</i>	122.60	
			<i>For >10 To 20, Deduct</i>	-154.49	
			<i>For >20 To 40, Deduct</i>	-308.97	
			<i>For >40, Deduct</i>	-515.78	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,282.99	1,004.60
			<i>For Galvanized Finish, Add</i>	128.21	
			<i>For >10 To 20, Deduct</i>	-157.07	
			<i>For >20 To 40, Deduct</i>	-314.15	
			<i>For >40, Deduct</i>	-521.45	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,415.45	1,067.38
			<i>For Galvanized Finish, Add</i>	128.42	
			<i>For >10 To 20, Deduct</i>	-160.39	
			<i>For >20 To 40, Deduct</i>	-320.77	
			<i>For >40, Deduct</i>	-534.53	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,510.20	1,130.18
			<i>For Galvanized Finish, Add</i>	127.50	
			<i>For >10 To 20, Deduct</i>	-162.76	
			<i>For >20 To 40, Deduct</i>	-325.51	
			<i>For >40, Deduct</i>	-544.77	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,737.99	1,046.46
			<i>For Galvanized Finish, Add</i>	139.35	
			<i>For >10 To 20, Deduct</i>	-168.45	
			<i>For >20 To 40, Deduct</i>	-336.90	
			<i>For >40, Deduct</i>	-557.67	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,914.55	1,109.24
			<i>For Galvanized Finish, Add</i>	140.88	
			<i>For >10 To 20, Deduct</i>	-172.86	
			<i>For >20 To 40, Deduct</i>	-345.73	
			<i>For >40, Deduct</i>	-574.05	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	7,005.66	1,172.03
			<i>For Galvanized Finish, Add</i>	139.85	
			<i>For >10 To 20, Deduct</i>	-175.14	
			<i>For >20 To 40, Deduct</i>	-350.28	
			<i>For >40, Deduct</i>	-584.03	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	7,034.12	1,088.32
			<i>For Galvanized Finish, Add</i>	145.72	
			<i>For >10 To 20, Deduct</i>	-175.85	
			<i>For >20 To 40, Deduct</i>	-351.71	
			<i>For >40, Deduct</i>	-581.98	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	7,166.12	1,151.11
			<i>For Galvanized Finish, Add</i>	145.92	
			<i>For >10 To 20, Deduct</i>	-179.15	
			<i>For >20 To 40, Deduct</i>	-358.31	
			<i>For >40, Deduct</i>	-595.01	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0062 EA 40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	7,301.44	1,213.89
For Galvanized Finish, Add	146.21	
For >10 To 20, Deduct	-182.54	
For >20 To 40, Deduct	-365.07	
For >40, Deduct	-608.30	
26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065 EA 25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,227.17	669.74
For Galvanized Finish, Add	86.63	
For >10 To 20, Deduct	-105.68	
For >20 To 40, Deduct	-211.36	
For >40, Deduct	-350.52	
26 56 13 00-0066 EA 30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,781.62	753.45
For Galvanized Finish, Add	98.24	
For >10 To 20, Deduct	-119.54	
For >20 To 40, Deduct	-239.08	
For >40, Deduct	-396.29	
26 56 13 00-0067 EA 35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,919.22	795.31
For Galvanized Finish, Add	99.86	
For >10 To 20, Deduct	-122.98	
For >20 To 40, Deduct	-245.96	
For >40, Deduct	-408.71	
26 56 13 00-0068 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	5,829.50	837.16
For Galvanized Finish, Add	124.66	
For >10 To 20, Deduct	-145.74	
For >20 To 40, Deduct	-291.48	
For >40, Deduct	-479.07	
26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,383.12	669.74
For Galvanized Finish, Add	121.31	
For >10 To 20, Deduct	-134.58	
For >20 To 40, Deduct	-269.16	
For >40, Deduct	-437.22	
26 56 13 00-0072 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,432.67	669.74
For Galvanized Finish, Add	122.80	
For >10 To 20, Deduct	-135.82	
For >20 To 40, Deduct	-271.63	
For >40, Deduct	-440.94	
26 56 13 00-0073 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,455.29	669.74
For Galvanized Finish, Add	123.47	
For >10 To 20, Deduct	-136.38	
For >20 To 40, Deduct	-272.76	
For >40, Deduct	-442.63	
26 56 13 00-0074 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,600.10	753.45
For Galvanized Finish, Add	122.80	
For >10 To 20, Deduct	-140.00	
For >20 To 40, Deduct	-280.01	
For >40, Deduct	-457.68	
26 56 13 00-0075 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,608.75	753.45
For Galvanized Finish, Add	123.06	
For >10 To 20, Deduct	-140.22	
For >20 To 40, Deduct	-280.44	
For >40, Deduct	-458.33	
26 56 13 00-0076 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,698.10	753.45
For Galvanized Finish, Add	125.74	
For >10 To 20, Deduct	-142.45	
For >20 To 40, Deduct	-284.91	
For >40, Deduct	-465.03	
26 56 13 00-0077 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,713.20	795.31
For Galvanized Finish, Add	123.68	
For >10 To 20, Deduct	-142.83	
For >20 To 40, Deduct	-285.66	
For >40, Deduct	-468.26	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0078 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,765.53	795.31
<i>For Galvanized Finish, Add</i>	125.25	
<i>For >10 To 20, Deduct</i>	-144.14	
<i>For >20 To 40, Deduct</i>	-288.28	
<i>For >40, Deduct</i>	-472.18	
26 56 13 00-0079 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,039.91	795.31
<i>For Galvanized Finish, Add</i>	133.48	
<i>For >10 To 20, Deduct</i>	-151.00	
<i>For >20 To 40, Deduct</i>	-302.00	
<i>For >40, Deduct</i>	-492.76	
26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0069)</small>		
26 56 13 00-0081 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,036.33	837.16
<i>For Galvanized Finish, Add</i>	160.86	
<i>For >10 To 20, Deduct</i>	-175.91	
<i>For >20 To 40, Deduct</i>	-351.82	
<i>For >40, Deduct</i>	-569.58	
26 56 13 00-0082 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,167.50	879.02
<i>For Galvanized Finish, Add</i>	162.28	
<i>For >10 To 20, Deduct</i>	-179.19	
<i>For >20 To 40, Deduct</i>	-358.38	
<i>For >40, Deduct</i>	-581.51	
26 56 13 00-0083 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,437.47	920.88
<i>For Galvanized Finish, Add</i>	167.87	
<i>For >10 To 20, Deduct</i>	-185.94	
<i>For >20 To 40, Deduct</i>	-371.87	
<i>For >40, Deduct</i>	-603.85	
26 56 13 00-0084 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,176.28	920.88
<i>For Galvanized Finish, Add</i>	160.04	
<i>For >10 To 20, Deduct</i>	-179.41	
<i>For >20 To 40, Deduct</i>	-358.81	
<i>For >40, Deduct</i>	-584.27	
26 56 13 00-0085 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,505.10	962.75
<i>For Galvanized Finish, Add</i>	167.39	
<i>For >10 To 20, Deduct</i>	-187.63	
<i>For >20 To 40, Deduct</i>	-375.26	
<i>For >40, Deduct</i>	-611.02	
26 56 13 00-0086 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,709.44	1,004.60
<i>For Galvanized Finish, Add</i>	171.01	
<i>For >10 To 20, Deduct</i>	-192.74	
<i>For >20 To 40, Deduct</i>	-385.47	
<i>For >40, Deduct</i>	-628.44	
26 56 13 00-0087 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,396.90	962.75
<i>For Galvanized Finish, Add</i>	164.14	
<i>For >10 To 20, Deduct</i>	-184.92	
<i>For >20 To 40, Deduct</i>	-369.85	
<i>For >40, Deduct</i>	-602.90	
26 56 13 00-0088 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,830.28	1,004.60
<i>For Galvanized Finish, Add</i>	174.63	
<i>For >10 To 20, Deduct</i>	-195.76	
<i>For >20 To 40, Deduct</i>	-391.51	
<i>For >40, Deduct</i>	-637.50	
26 56 13 00-0089 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,093.59	1,046.46
<i>For Galvanized Finish, Add</i>	180.02	
<i>For >10 To 20, Deduct</i>	-202.34	
<i>For >20 To 40, Deduct</i>	-404.68	
<i>For >40, Deduct</i>	-659.34	
26 56 13 00-0090 Aluminum Roadway Light Poles <small>(26 56 13 00-0002)</small>		
Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,015.23	502.30
		For >10 To 20, Deduct	-75.38	
		For >20 To 40, Deduct	-150.76	
		For >40, Deduct	-251.26	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,039.57	502.30
		For >10 To 20, Deduct	-75.99	
		For >20 To 40, Deduct	-151.98	
		For >40, Deduct	-253.08	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,717.50	669.74
		For >10 To 20, Deduct	-92.94	
		For >20 To 40, Deduct	-185.88	
		For >40, Deduct	-312.30	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,763.48	669.74
		For >10 To 20, Deduct	-94.09	
		For >20 To 40, Deduct	-188.17	
		For >40, Deduct	-315.75	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,805.78	669.74
		For >10 To 20, Deduct	-95.14	
		For >20 To 40, Deduct	-190.29	
		For >40, Deduct	-318.92	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,261.20	753.45
		For >10 To 20, Deduct	-106.53	
		For >20 To 40, Deduct	-213.06	
		For >40, Deduct	-357.26	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,300.00	753.45
		For >10 To 20, Deduct	-107.50	
		For >20 To 40, Deduct	-215.00	
		For >40, Deduct	-360.17	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,343.39	753.45
		For >10 To 20, Deduct	-108.58	
		For >20 To 40, Deduct	-217.17	
		For >40, Deduct	-363.43	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,958.80	795.31
		For >10 To 20, Deduct	-123.97	
		For >20 To 40, Deduct	-247.94	
		For >40, Deduct	-411.68	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,997.50	795.31
		For >10 To 20, Deduct	-124.94	
		For >20 To 40, Deduct	-249.88	
		For >40, Deduct	-414.58	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	5,029.92	795.31
		For >10 To 20, Deduct	-125.75	
		For >20 To 40, Deduct	-251.50	
		For >40, Deduct	-417.01	
26 56 13 00-0105		Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,458.98	586.02
		For >10 To 20, Deduct	-86.47	
		For >20 To 40, Deduct	-172.95	
		For >40, Deduct	-288.72	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,697.49	586.02
		For >10 To 20, Deduct	-92.44	
		For >20 To 40, Deduct	-184.87	
		For >40, Deduct	-306.61	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,827.70	627.88
		For >10 To 20, Deduct	-95.69	
		For >20 To 40, Deduct	-191.39	
		For >40, Deduct	-318.47	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,148.18	753.45
		For >10 To 20, Deduct	-103.70	
		For >20 To 40, Deduct	-207.41	
		For >40, Deduct	-348.79	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,341.86	774.38
		For >10 To 20, Deduct	-108.55	
		For >20 To 40, Deduct	-217.09	
		For >40, Deduct	-364.36	



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,617.64	795.31
		<i>For >10 To 20, Deduct</i>		-115.44	
		<i>For >20 To 40, Deduct</i>		-230.88	
		<i>For >40, Deduct</i>		-386.09	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		4,775.47	837.16
		<i>For >10 To 20, Deduct</i>		-119.39	
		<i>For >20 To 40, Deduct</i>		-238.77	
		<i>For >40, Deduct</i>		-400.02	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,958.19	858.10
		<i>For >10 To 20, Deduct</i>		-123.95	
		<i>For >20 To 40, Deduct</i>		-247.91	
		<i>For >40, Deduct</i>		-414.77	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		5,179.40	879.02
		<i>For >10 To 20, Deduct</i>		-129.49	
		<i>For >20 To 40, Deduct</i>		-258.97	
		<i>For >40, Deduct</i>		-432.41	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		5,390.38	879.02
		<i>For >10 To 20, Deduct</i>		-134.76	
		<i>For >20 To 40, Deduct</i>		-269.52	
		<i>For >40, Deduct</i>		-448.23	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		5,871.35	899.96
		<i>For >10 To 20, Deduct</i>		-146.78	
		<i>For >20 To 40, Deduct</i>		-293.57	
		<i>For >40, Deduct</i>		-485.35	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		6,429.44	920.88
		<i>For >10 To 20, Deduct</i>		-160.74	
		<i>For >20 To 40, Deduct</i>		-321.47	
		<i>For >40, Deduct</i>		-528.25	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>					
26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		4,010.37	669.74
		<i>For >10 To 20, Deduct</i>		-100.26	
		<i>For >20 To 40, Deduct</i>		-200.52	
		<i>For >40, Deduct</i>		-334.26	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		4,287.02	711.59
		<i>For >10 To 20, Deduct</i>		-107.18	
		<i>For >20 To 40, Deduct</i>		-214.35	
		<i>For >40, Deduct</i>		-357.11	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		4,885.30	837.16
		<i>For >10 To 20, Deduct</i>		-122.13	
		<i>For >20 To 40, Deduct</i>		-244.27	
		<i>For >40, Deduct</i>		-408.26	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		5,096.60	879.02
		<i>For >10 To 20, Deduct</i>		-127.42	
		<i>For >20 To 40, Deduct</i>		-254.83	
		<i>For >40, Deduct</i>		-426.20	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		5,337.63	920.88
		<i>For >10 To 20, Deduct</i>		-133.44	
		<i>For >20 To 40, Deduct</i>		-266.88	
		<i>For >40, Deduct</i>		-446.37	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		5,531.17	962.75
		<i>For >10 To 20, Deduct</i>		-138.28	
		<i>For >20 To 40, Deduct</i>		-276.56	
		<i>For >40, Deduct</i>		-462.97	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		5,759.61	962.75
		<i>For >10 To 20, Deduct</i>		-143.99	
		<i>For >20 To 40, Deduct</i>		-287.98	
		<i>For >40, Deduct</i>		-480.11	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		6,248.73	1,004.60
		<i>For >10 To 20, Deduct</i>		-156.22	
		<i>For >20 To 40, Deduct</i>		-312.44	
		<i>For >40, Deduct</i>		-518.88	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base		11,728.59	1,046.46
		<i>For >10 To 20, Deduct</i>		-293.21	
		<i>For >20 To 40, Deduct</i>		-586.43	
		<i>For >40, Deduct</i>		-931.97	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0129 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,177.20	753.45
<i>For >10 To 20, Deduct</i>	-104.43	
<i>For >20 To 40, Deduct</i>	-208.86	
<i>For >40, Deduct</i>	-350.96	
26 56 13 00-0130 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,323.24	753.45
<i>For >10 To 20, Deduct</i>	-108.08	
<i>For >20 To 40, Deduct</i>	-216.16	
<i>For >40, Deduct</i>	-361.92	
26 56 13 00-0131 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,346.71	920.88
<i>For >10 To 20, Deduct</i>	-133.67	
<i>For >20 To 40, Deduct</i>	-267.34	
<i>For >40, Deduct</i>	-447.05	
26 56 13 00-0132 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,783.61	983.67
<i>For >10 To 20, Deduct</i>	-144.59	
<i>For >20 To 40, Deduct</i>	-289.18	
<i>For >40, Deduct</i>	-482.95	
26 56 13 00-0133 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,024.38	1,004.60
<i>For >10 To 20, Deduct</i>	-150.61	
<i>For >20 To 40, Deduct</i>	-301.22	
<i>For >40, Deduct</i>	-502.06	
26 56 13 00-0134 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,428.97	1,067.38
<i>For >10 To 20, Deduct</i>	-160.72	
<i>For >20 To 40, Deduct</i>	-321.45	
<i>For >40, Deduct</i>	-535.54	
26 56 13 00-0135 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,339.63	1,046.46
<i>For >10 To 20, Deduct</i>	-158.49	
<i>For >20 To 40, Deduct</i>	-316.98	
<i>For >40, Deduct</i>	-527.80	
26 56 13 00-0136 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	7,180.13	1,109.24
<i>For >10 To 20, Deduct</i>	-179.50	
<i>For >20 To 40, Deduct</i>	-359.01	
<i>For >40, Deduct</i>	-593.97	
26 56 13 00-0137 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	7,925.98	1,172.03
<i>For >10 To 20, Deduct</i>	-198.15	
<i>For >20 To 40, Deduct</i>	-396.30	
<i>For >40, Deduct</i>	-653.05	
26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,393.23	669.74
<i>For >10 To 20, Deduct</i>	-109.83	
<i>For >20 To 40, Deduct</i>	-219.66	
<i>For >40, Deduct</i>	-362.98	
26 56 13 00-0141 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,425.75	669.74
<i>For >10 To 20, Deduct</i>	-110.64	
<i>For >20 To 40, Deduct</i>	-221.29	
<i>For >40, Deduct</i>	-365.42	
26 56 13 00-0142 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,508.84	669.74
<i>For >10 To 20, Deduct</i>	-112.72	
<i>For >20 To 40, Deduct</i>	-225.44	
<i>For >40, Deduct</i>	-371.65	
26 56 13 00-0143 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,633.53	669.74
<i>For >10 To 20, Deduct</i>	-115.84	
<i>For >20 To 40, Deduct</i>	-231.68	
<i>For >40, Deduct</i>	-381.00	
26 56 13 00-0144 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,946.20	753.45
<i>For >10 To 20, Deduct</i>	-123.66	
<i>For >20 To 40, Deduct</i>	-247.31	
<i>For >40, Deduct</i>	-408.64	
26 56 13 00-0145 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,019.52	753.45
<i>For >10 To 20, Deduct</i>	-125.49	
<i>For >20 To 40, Deduct</i>	-250.98	
<i>For >40, Deduct</i>	-414.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0146 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,097.73	753.45
<i>For >10 To 20, Deduct</i>	-127.44	
<i>For >20 To 40, Deduct</i>	-254.89	
<i>For >40, Deduct</i>	-420.00	
26 56 13 00-0147 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,569.47	753.45
<i>For >10 To 20, Deduct</i>	-139.24	
<i>For >20 To 40, Deduct</i>	-278.47	
<i>For >40, Deduct</i>	-455.38	
26 56 13 00-0148 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	5,365.40	795.31
<i>For >10 To 20, Deduct</i>	-134.14	
<i>For >20 To 40, Deduct</i>	-268.27	
<i>For >40, Deduct</i>	-442.17	
26 56 13 00-0149 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,970.70	795.31
<i>For >10 To 20, Deduct</i>	-149.27	
<i>For >20 To 40, Deduct</i>	-298.54	
<i>For >40, Deduct</i>	-487.57	
26 56 13 00-0150 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	6,029.66	795.31
<i>For >10 To 20, Deduct</i>	-150.74	
<i>For >20 To 40, Deduct</i>	-301.48	
<i>For >40, Deduct</i>	-491.99	
26 56 13 00-0151 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,403.93	795.31
<i>For >10 To 20, Deduct</i>	-160.10	
<i>For >20 To 40, Deduct</i>	-320.20	
<i>For >40, Deduct</i>	-520.06	
26 56 13 00-0152 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,745.29	795.31
<i>For >10 To 20, Deduct</i>	-168.63	
<i>For >20 To 40, Deduct</i>	-337.26	
<i>For >40, Deduct</i>	-545.66	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0138)

26 56 13 00-0154 EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,689.51	837.16
<i>For >10 To 20, Deduct</i>	-142.24	
<i>For >20 To 40, Deduct</i>	-284.48	
<i>For >40, Deduct</i>	-468.57	
26 56 13 00-0155 EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,856.33	879.02
<i>For >10 To 20, Deduct</i>	-146.41	
<i>For >20 To 40, Deduct</i>	-292.82	
<i>For >40, Deduct</i>	-483.18	
26 56 13 00-0156 EA 25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,993.51	920.88
<i>For >10 To 20, Deduct</i>	-149.84	
<i>For >20 To 40, Deduct</i>	-299.68	
<i>For >40, Deduct</i>	-495.56	
26 56 13 00-0157 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,135.96	920.88
<i>For >10 To 20, Deduct</i>	-153.40	
<i>For >20 To 40, Deduct</i>	-306.80	
<i>For >40, Deduct</i>	-506.24	
26 56 13 00-0158 EA 30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,652.80	962.75
<i>For >10 To 20, Deduct</i>	-166.32	
<i>For >20 To 40, Deduct</i>	-332.64	
<i>For >40, Deduct</i>	-547.10	
26 56 13 00-0159 EA 30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,591.11	1,004.60
<i>For >10 To 20, Deduct</i>	-189.78	
<i>For >20 To 40, Deduct</i>	-379.56	
<i>For >40, Deduct</i>	-619.56	
26 56 13 00-0160 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	7,338.21	962.75
<i>For >10 To 20, Deduct</i>	-183.46	
<i>For >20 To 40, Deduct</i>	-366.91	
<i>For >40, Deduct</i>	-598.50	
26 56 13 00-0161 EA 35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,491.56	1,004.60
<i>For >10 To 20, Deduct</i>	-187.29	
<i>For >20 To 40, Deduct</i>	-374.58	
<i>For >40, Deduct</i>	-612.10	
26 56 13 00-0162 EA 35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	9,036.67	1,046.46
<i>For >10 To 20, Deduct</i>	-225.92	
<i>For >20 To 40, Deduct</i>	-451.83	
<i>For >40, Deduct</i>	-730.07	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm ^(26 56 13 00-0091)		
26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm ^(26 56 13 00-0163)		
26 56 13 00-0165 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,583.63	502.30
For >10 To 20, Deduct	-89.59	
For >20 To 40, Deduct	-179.18	
For >40, Deduct	-293.89	
26 56 13 00-0166 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,675.50	502.30
For >10 To 20, Deduct	-91.89	
For >20 To 40, Deduct	-183.78	
For >40, Deduct	-300.78	
26 56 13 00-0167 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,767.58	502.30
For >10 To 20, Deduct	-94.19	
For >20 To 40, Deduct	-188.38	
For >40, Deduct	-307.68	
26 56 13 00-0168 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,294.17	669.74
For >10 To 20, Deduct	-107.35	
For >20 To 40, Deduct	-214.71	
For >40, Deduct	-355.55	
26 56 13 00-0169 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,364.20	669.74
For >10 To 20, Deduct	-109.11	
For >20 To 40, Deduct	-218.21	
For >40, Deduct	-360.80	
26 56 13 00-0170 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,440.71	669.74
For >10 To 20, Deduct	-111.02	
For >20 To 40, Deduct	-222.04	
For >40, Deduct	-366.54	
26 56 13 00-0171 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,845.45	753.45
For >10 To 20, Deduct	-121.14	
For >20 To 40, Deduct	-242.27	
For >40, Deduct	-401.08	
26 56 13 00-0172 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,940.52	753.45
For >10 To 20, Deduct	-123.51	
For >20 To 40, Deduct	-247.03	
For >40, Deduct	-408.21	
26 56 13 00-0173 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,954.78	753.45
For >10 To 20, Deduct	-123.87	
For >20 To 40, Deduct	-247.74	
For >40, Deduct	-409.28	
26 56 13 00-0174 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	5,267.44	795.31
For >10 To 20, Deduct	-131.69	
For >20 To 40, Deduct	-263.37	
For >40, Deduct	-434.82	
26 56 13 00-0175 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	5,309.13	795.31
For >10 To 20, Deduct	-132.73	
For >20 To 40, Deduct	-265.46	
For >40, Deduct	-437.95	
26 56 13 00-0176 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	5,406.89	795.31
For >10 To 20, Deduct	-135.17	
For >20 To 40, Deduct	-270.34	
For >40, Deduct	-445.28	
26 56 13 00-0177 Area Light Poles ^(26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0178 Steel Area Light Poles ^(26 56 13 00-0177) Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179 Round Straight, Steel Area Light Poles ^(26 56 13 00-0178)		
26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base ^(26 56 13 00-0179)		
26 56 13 00-0181 EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,515.11	293.01
For Galvanized Finish, Add	27.87	
For >10 To 20, Deduct	-51.81	
For >20 To 40, Deduct	-94.34	
For >40, Deduct	-197.97	
26 56 13 00-0182 EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,650.31	334.87
For Galvanized Finish, Add	29.42	
For >10 To 20, Deduct	-55.97	
For >20 To 40, Deduct	-102.13	
For >40, Deduct	-214.06	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,844.69 32.74 -62.49 -114.06 -239.03	376.73
26 56	13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,044.21 36.21 -69.21 -126.35 -264.77	418.58
26 56	13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,179.40 37.76 -73.36 -134.14 -280.87	460.44
26 56	13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,301.73 38.91 -77.00 -141.03 -295.03	502.30
26 56	13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,582.03 29.88 -54.49 -99.02 -208.00	293.01
26 56	13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,719.80 31.50 -58.75 -106.99 -224.48	334.87
26 56	13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,983.66 36.91 -68.04 -123.79 -259.88	376.73
26 56	13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,134.29 38.91 -72.81 -132.66 -278.29	418.58
26 56	13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,277.20 40.69 -77.27 -140.99 -295.54	460.44
26 56	13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,394.38 41.69 -80.71 -147.51 -308.93	502.30
26 56	13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,824.48 44.55 -92.89 -170.92 -356.70	669.74
26 56	13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,582.03 29.88 -54.49 -99.02 -208.00	293.01
26 56	13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,727.52 31.73 -59.05 -107.53 -225.64	334.87
26 56	13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,024.84 38.14 -69.69 -126.67 -266.05	376.73
26 56	13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,142.01 39.15 -73.12 -133.20 -279.44	418.58
26 56	13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,277.20 40.69 -77.27 -140.99 -295.54	460.44
26 56	13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,394.38 41.69 -80.71 -147.51 -308.93	502.30



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,896.54 46.71 -95.77 -175.97 -367.51	669.74
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,197.80 50.73 -105.31 -193.71 -404.33	753.45
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,559.10 46.64 -87.30 -159.05 -333.64	502.30
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,930.00 47.72 -97.11 -178.31 -372.53	669.74
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,262.14 52.66 -107.88 -198.21 -413.98	753.45
26 56 13 00-0205			Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,140.75 64.08 -110.56 -199.76 -420.88	502.30
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,220.53 66.48 -113.75 -205.35 -432.85	502.30
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,730.41 71.73 -129.12 -234.34 -492.59	669.74
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,895.12 76.67 -135.71 -245.87 -517.29	669.74
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,155.21 79.45 -143.60 -260.73 -547.94	753.45
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,430.59 87.71 -154.62 -280.00 -589.24	753.45
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,570.93 89.41 -158.98 -288.15 -606.11	795.31
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,740.79 94.51 -165.77 -300.04 -631.59	795.31
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,147.43 106.70 -182.04 -328.51 -692.58	795.31
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,200.26 105.78 -182.90 -330.53 -696.32	837.16
26 56 13 00-0217	EA		39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,272.32 107.94 -185.78 -335.58 -707.13	837.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,161.84 149.56 -253.82 -457.80 -965.44	1,088.32
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,481.26 149.09 -261.58 -473.46 -996.61	1,255.75
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,012.10 110.18 -180.39 -324.06 -684.84	669.74
26 56 13 00-0221 EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,689.11 125.47 -204.96 -368.10 -778.02	753.45
26 56 13 00-0222 EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,587.47 147.39 -238.38 -427.64 -904.40	837.16
26 56 13 00-0223 EA 45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,964.82 173.65 -285.94 -514.00 -1,085.89	1,088.32
26 56 13 00-0224 EA 50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,293.12 203.45 -334.05 -600.29 -1,268.39	1,255.75
26 56 13 00-0225 EA 50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,340.60 234.87 -375.95 -673.61 -1,425.52	1,255.75
26 56 13 00-0226 EA 50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	13,840.80 339.88 -515.96 -918.63 -1,950.55	1,255.75
26 56 13 00-0227 EA 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	15,539.42 390.84 -583.90 -1,037.53 -2,205.34	1,255.75
26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)		
26 56 13 00-0230 EA 10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,494.53 27.26 -50.99 -92.90 -194.88	293.01
26 56 13 00-0231 EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,578.25 27.26 -53.08 -97.08 -203.25	334.87
26 56 13 00-0232 EA 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,705.71 28.57 -56.93 -104.33 -218.18	376.73
26 56 13 00-0233 EA 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,809.34 30.42 -60.44 -110.75 -231.64	397.66
26 56 13 00-0234 EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,851.19 30.42 -61.49 -112.84 -235.82	418.58
26 56 13 00-0235 EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,963.22 31.27 -64.72 -119.01 -248.44	460.44



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0236 EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,070.10 31.97 -67.74 -124.82 -260.29	502.30
26 56 13 00-0237 EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,559.39 36.60 -82.28 -152.37 -316.94	669.74
26 56 13 00-0238 EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,417.54 42.39 -81.63 -149.14 -312.40	502.30
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,038.09 50.96 -101.43 -185.88 -388.74	669.74
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,486.05 59.37 -116.84 -213.89 -447.56	753.45
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,322.32 39.53 -77.82 -142.47 -298.12	502.30
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,852.79 45.40 -94.02 -172.91 -360.95	669.74
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,326.48 54.59 -110.46 -202.72 -423.63	753.45
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,649.18 49.34 -90.90 -165.35 -347.15	502.30
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,269.72 57.91 -110.70 -202.09 -423.48	669.74
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,704.81 65.94 -125.59 -229.20 -480.38	753.45
26 56 13 00-0247 EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,107.67 75.51 -140.45 -255.72 -536.62	795.31
26 56 13 00-0248 EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,211.83 81.15 -145.87 -264.69 -556.43	753.45
26 56 13 00-0249 EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,617.26 90.80 -160.83 -291.40 -613.06	795.31
26 56 13 00-0250 EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,883.70 96.28 -170.23 -308.37 -648.84	837.16
26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56 13 00-0253 EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,272.28 128.03 -195.82 -348.97 -740.61	502.30

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0254	EA 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,897.32 136.74 -215.80 -386.02 -817.62	669.74
26 56 13 00-0255	EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,232.81 201.78 -306.71 -546.16 -1,159.58	753.45
26 56 13 00-0256	EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,376.31 131.15 -199.98 -356.25 -756.22	502.30
26 56 13 00-0257	EA 25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,502.30 154.88 -240.00 -428.37 -908.37	669.74
26 56 13 00-0258	EA 30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,133.43 228.80 -342.73 -609.20 -1,294.67	753.45
26 56 13 00-0259	EA 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,473.64 266.49 -395.09 -701.34 -1,491.52	795.31
26 56 13 00-0260	EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	12,301.11 318.80 -466.93 -827.59 -1,761.45	837.16
26 56 13 00-0261	EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,108.04 123.10 -189.25 -337.47 -715.98	502.30
26 56 13 00-0262	EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,634.53 128.85 -205.29 -367.63 -778.21	669.74
26 56 13 00-0263	EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,770.18 187.90 -288.20 -513.77 -1,090.18	753.45
26 56 13 00-0264	EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,296.92 128.77 -196.81 -350.69 -744.31	502.30
26 56 13 00-0265	EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,255.93 147.49 -230.15 -411.13 -871.42	669.74
26 56 13 00-0266	EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,791.25 218.53 -329.05 -585.25 -1,243.34	753.45
26 56 13 00-0267	EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,587.09 137.47 -208.41 -371.00 -787.83	502.30
26 56 13 00-0268	EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,778.78 163.18 -251.06 -447.73 -949.84	669.74
26 56 13 00-0269	EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,407.18 237.01 -353.68 -628.36 -1,335.73	753.45
26 56 13 00-0270	EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,807.61 276.51 -408.45 -724.72 -1,541.61	795.31



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	12,479.04 324.14 -474.05 -840.05 -1,788.14	837.16
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,008.07 90.10 -145.25 -260.47 -550.98	502.30
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,873.12 106.01 -174.83 -314.33 -663.99	669.74
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,424.03 117.51 -194.36 -349.54 -738.26	753.45
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,014.76 132.72 -216.73 -389.22 -822.68	795.31
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,340.39 139.98 -228.50 -410.34 -867.34	837.16
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,163.65 124.77 -191.48 -341.36 -724.32	502.30
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,779.05 133.19 -211.07 -377.74 -799.88	669.74
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,165.24 139.75 -224.01 -401.43 -849.44	753.45
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,844.69 160.13 -251.18 -448.99 -951.36	753.45
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,417.41 174.80 -272.84 -487.41 -1,033.08	795.31
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,259.00 200.05 -306.50 -546.32 -1,159.32	795.31
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,539.72 175.96 -276.47 -494.29 -1,047.24	837.16
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,611.53 238.12 -359.35 -639.32 -1,358.01	837.16
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,914.51 202.14 -323.93 -580.48 -1,228.34	1,088.32
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,327.45 244.52 -380.45 -679.39 -1,440.29	1,088.32

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	10,734.38	1,255.75
			<i>For Galvanized Finish, Add</i>	246.69	
			<i>For >10 To 20, Deduct</i>	-391.70	
			<i>For >20 To 40, Deduct</i>	-701.18	
			<i>For >40, Deduct</i>	-1,484.58	
26 56 13 00-0290			Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	91.25	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles.....	135.70	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles.....	138.04	
26 56 13 00-0294			Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295			Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296			Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	948.07	251.15
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.58	
			<i>For Black Anodized Finish, Add</i>	89.15	
			<i>For >10 To 20, Deduct</i>	-30.39	
			<i>For >20 To 40, Deduct</i>	-56.32	
			<i>For >40, Deduct</i>	-117.10	
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,054.65	293.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.86	
			<i>For Black Anodized Finish, Add</i>	93.73	
			<i>For >10 To 20, Deduct</i>	-33.40	
			<i>For >20 To 40, Deduct</i>	-62.11	
			<i>For >40, Deduct</i>	-128.90	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,166.95	334.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.72	
			<i>For Black Anodized Finish, Add</i>	99.44	
			<i>For >10 To 20, Deduct</i>	-36.63	
			<i>For >20 To 40, Deduct</i>	-68.29	
			<i>For >40, Deduct</i>	-141.56	
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,280.38	376.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.69	
			<i>For Black Anodized Finish, Add</i>	105.39	
			<i>For >10 To 20, Deduct</i>	-39.91	
			<i>For >20 To 40, Deduct</i>	-74.56	
			<i>For >40, Deduct</i>	-154.38	
26 56 13 00-0301	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,341.67	397.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.64	
			<i>For Black Anodized Finish, Add</i>	109.27	
			<i>For >10 To 20, Deduct</i>	-41.74	
			<i>For >20 To 40, Deduct</i>	-78.01	
			<i>For >40, Deduct</i>	-161.49	
26 56 13 00-0302	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,401.81	418.58
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.47	
			<i>For Black Anodized Finish, Add</i>	112.93	
			<i>For >10 To 20, Deduct</i>	-43.52	
			<i>For >20 To 40, Deduct</i>	-81.38	
			<i>For >40, Deduct</i>	-168.41	
26 56 13 00-0303	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,470.39	418.58
			<i>For Bronze Or Satin Anodized Finish, Add</i>	63.32	
			<i>For Black Anodized Finish, Add</i>	126.65	
			<i>For >10 To 20, Deduct</i>	-46.26	
			<i>For >20 To 40, Deduct</i>	-86.18	
			<i>For >40, Deduct</i>	-178.70	
26 56 13 00-0304	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,597.54	460.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	67.67	
			<i>For Black Anodized Finish, Add</i>	135.33	
			<i>For >10 To 20, Deduct</i>	-50.09	
			<i>For >20 To 40, Deduct</i>	-93.41	
			<i>For >40, Deduct</i>	-193.59	
26 56 13 00-0305	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,717.84	502.30
			<i>For Bronze Or Satin Anodized Finish, Add</i>	71.32	
			<i>For Black Anodized Finish, Add</i>	142.65	
			<i>For >10 To 20, Deduct</i>	-53.64	
			<i>For >20 To 40, Deduct</i>	-100.16	
			<i>For >40, Deduct</i>	-207.45	
26 56 13 00-0306	EA		15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,594.27	397.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	79.90	
			<i>For Black Anodized Finish, Add</i>	159.79	
			<i>For >10 To 20, Deduct</i>	-51.84	
			<i>For >20 To 40, Deduct</i>	-95.69	
			<i>For >40, Deduct</i>	-199.38	
26 56 13 00-0307	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,970.44	502.30
			<i>For Bronze Or Satin Anodized Finish, Add</i>	96.58	
			<i>For Black Anodized Finish, Add</i>	193.17	
			<i>For >10 To 20, Deduct</i>	-63.75	
			<i>For >20 To 40, Deduct</i>	-117.84	
			<i>For >40, Deduct</i>	-245.34	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0308 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,098.46 109.39 218.77 -68.87 -126.80 -264.54	502.30
26 56 13 00-0309 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,553.35 121.39 242.78 -82.04 -151.95 -316.03	669.74
26 56 13 00-0310 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,948.24 144.13 288.27 -95.33 -176.24 -366.89	753.45
26 56 13 00-0311 EA 20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,796.71 79.21 158.42 -56.80 -105.68 -219.28	502.30
26 56 13 00-0312 EA 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,088.17 108.36 216.71 -68.46 -126.08 -263.00	502.30
26 56 13 00-0313 EA 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,535.06 119.56 239.12 -81.31 -150.66 -313.29	669.74
26 56 13 00-0314 EA 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,700.79 136.13 272.26 -87.94 -162.27 -338.15	669.74
26 56 13 00-0315 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,135.69 162.88 325.76 -102.82 -189.36 -395.01	753.45
26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0317 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,064.66 84.35 -35.05 -64.48 -134.58	251.15
26 56 13 00-0318 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,194.10 91.21 -38.97 -71.87 -149.81	293.01
26 56 13 00-0319 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,318.97 97.38 -42.71 -78.93 -164.36	334.87
26 56 13 00-0320 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,422.11 100.30 -45.58 -84.48 -175.64	376.73
26 56 13 00-0321 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,538.97 105.27 -49.00 -90.98 -188.99	418.58
26 56 13 00-0322 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,218.10 94.81 -39.93 -73.55 -153.41	293.01
26 56 13 00-0323 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,340.69 100.64 -43.58 -80.45 -167.62	334.87

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0324 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,466.69 106.99 -47.37 -87.60 -182.33	376.73
26 56 13 00-0325 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,591.55 113.16 -51.10 -94.67 -196.87	418.58
26 56 13 00-0326 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,722.13 120.19 -55.07 -102.13 -212.28	460.44
26 56 13 00-0327 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,845.86 126.19 -58.77 -109.12 -226.65	502.30
26 56 13 00-0328 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,385.26 107.33 -45.36 -83.57 -174.30	334.87
26 56 13 00-0329 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,519.27 114.87 -49.47 -91.28 -190.22	376.73
26 56 13 00-0330 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,652.13 122.25 -53.53 -98.91 -205.96	418.58
26 56 13 00-0331 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,787.28 129.96 -57.68 -106.69 -222.05	460.44
26 56 13 00-0332 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,716.13 131.85 -56.09 -103.39 -215.56	418.58
26 56 13 00-0333 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,995.59 148.65 -64.75 -119.60 -249.11	502.30
26 56 13 00-0334 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,427.56 113.67 -47.06 -86.53 -180.65	334.87
26 56 13 00-0335 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,574.13 123.10 -51.66 -95.12 -198.45	376.73
26 56 13 00-0336 EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,709.28 130.82 -55.81 -102.91 -214.53	418.58
26 56 13 00-0337 EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,851.29 139.56 -60.24 -111.17 -231.65	460.44
26 56 13 00-0338 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,989.87 147.79 -64.53 -119.20 -248.25	502.30
26 56 13 00-0339 EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,792.72 143.33 -59.15 -108.75 -227.05	418.58
26 56 13 00-0340 EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,945.02 153.62 -63.99 -117.73 -245.71	460.44



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0341 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	2,025.31	502.30
For Bronze, Satin Or Black Anodized Finish, Add	153.11	
For >10 To 20, Deduct	-65.94	
For >20 To 40, Deduct	-121.68	
For >40, Deduct	-253.57	
26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0295)		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	839.21	209.30
For Bronze Or Satin Anodized Finish, Add	42.06	
For Black Anodized Finish, Add	84.13	
For >10 To 20, Deduct	-27.29	
For >20 To 40, Deduct	-50.37	
For >40, Deduct	-104.95	
26 56 13 00-0344 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	902.78	230.22
For Bronze Or Satin Anodized Finish, Add	44.23	
For Black Anodized Finish, Add	88.47	
For >10 To 20, Deduct	-29.20	
For >20 To 40, Deduct	-53.99	
For >40, Deduct	-112.40	
26 56 13 00-0345 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	996.08	251.15
For Bronze Or Satin Anodized Finish, Add	49.38	
For Black Anodized Finish, Add	98.76	
For >10 To 20, Deduct	-32.31	
For >20 To 40, Deduct	-59.68	
For >40, Deduct	-124.30	
26 56 13 00-0346 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	1,022.37	251.15
For Bronze Or Satin Anodized Finish, Add	52.01	
For Black Anodized Finish, Add	104.01	
For >10 To 20, Deduct	-33.36	
For >20 To 40, Deduct	-61.52	
For >40, Deduct	-128.24	
26 56 13 00-0347 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	1,055.52	251.15
For Bronze Or Satin Anodized Finish, Add	55.32	
For Black Anodized Finish, Add	110.64	
For >10 To 20, Deduct	-34.69	
For >20 To 40, Deduct	-63.84	
For >40, Deduct	-133.21	
26 56 13 00-0348 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,197.95	272.08
For Bronze Or Satin Anodized Finish, Add	65.38	
For Black Anodized Finish, Add	130.76	
For >10 To 20, Deduct	-39.76	
For >20 To 40, Deduct	-72.97	
For >40, Deduct	-152.49	
26 56 13 00-0349 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,282.11	293.01
For Bronze Or Satin Anodized Finish, Add	69.61	
For Black Anodized Finish, Add	139.22	
For >10 To 20, Deduct	-42.49	
For >20 To 40, Deduct	-78.03	
For >40, Deduct	-163.02	
26 56 13 00-0350 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,459.28	293.01
For Bronze Or Satin Anodized Finish, Add	87.33	
For Black Anodized Finish, Add	174.65	
For >10 To 20, Deduct	-49.58	
For >20 To 40, Deduct	-90.43	
For >40, Deduct	-189.59	
26 56 13 00-0351 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,770.46	334.87
For Bronze Or Satin Anodized Finish, Add	110.07	
For Black Anodized Finish, Add	220.14	
For >10 To 20, Deduct	-60.77	
For >20 To 40, Deduct	-110.54	
For >40, Deduct	-232.08	
26 56 13 00-0352 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	2,007.33	376.73
For Bronze Or Satin Anodized Finish, Add	125.39	
For Black Anodized Finish, Add	250.78	
For >10 To 20, Deduct	-68.99	
For >20 To 40, Deduct	-125.44	
For >40, Deduct	-263.43	
26 56 13 00-0353 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,216.50	376.73
For Bronze Or Satin Anodized Finish, Add	146.31	
For Black Anodized Finish, Add	292.61	
For >10 To 20, Deduct	-77.36	
For >20 To 40, Deduct	-140.09	
For >40, Deduct	-294.80	
26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0354)		
26 56 13 00-0356 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	825.77	251.15
For Bronze Or Satin Anodized Finish, Add	32.35	
For Black Anodized Finish, Add	64.69	
For >10 To 20, Deduct	-25.50	
For >20 To 40, Deduct	-47.76	
For >40, Deduct	-98.75	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	935.78	293.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.98	
			<i>For Black Anodized Finish, Add</i>	69.95	
			<i>For >10 To 20, Deduct</i>	-28.64	
			<i>For >20 To 40, Deduct</i>	-53.78	
			<i>For >40, Deduct</i>	-111.07	
26 56	13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,045.79	334.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.61	
			<i>For Black Anodized Finish, Add</i>	75.21	
			<i>For >10 To 20, Deduct</i>	-31.79	
			<i>For >20 To 40, Deduct</i>	-59.81	
			<i>For >40, Deduct</i>	-123.38	
26 56	13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,166.08	376.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.26	
			<i>For Black Anodized Finish, Add</i>	82.53	
			<i>For >10 To 20, Deduct</i>	-35.34	
			<i>For >20 To 40, Deduct</i>	-66.56	
			<i>For >40, Deduct</i>	-137.24	
26 56	13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,285.22	418.58
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.81	
			<i>For Black Anodized Finish, Add</i>	89.61	
			<i>For >10 To 20, Deduct</i>	-38.85	
			<i>For >20 To 40, Deduct</i>	-73.22	
			<i>For >40, Deduct</i>	-150.93	
26 56	13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	965.50	293.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.95	
			<i>For Black Anodized Finish, Add</i>	75.90	
			<i>For >10 To 20, Deduct</i>	-29.83	
			<i>For >20 To 40, Deduct</i>	-55.86	
			<i>For >40, Deduct</i>	-115.52	
26 56	13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,092.65	334.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.29	
			<i>For Black Anodized Finish, Add</i>	84.58	
			<i>For >10 To 20, Deduct</i>	-33.66	
			<i>For >20 To 40, Deduct</i>	-63.09	
			<i>For >40, Deduct</i>	-130.41	
26 56	13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,216.37	376.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.29	
			<i>For Black Anodized Finish, Add</i>	92.58	
			<i>For >10 To 20, Deduct</i>	-37.35	
			<i>For >20 To 40, Deduct</i>	-70.08	
			<i>For >40, Deduct</i>	-144.78	
26 56	13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,455.81	460.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.49	
			<i>For Black Anodized Finish, Add</i>	106.99	
			<i>For >10 To 20, Deduct</i>	-44.42	
			<i>For >20 To 40, Deduct</i>	-83.49	
			<i>For >40, Deduct</i>	-172.33	
26 56	13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,568.10	502.30
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.35	
			<i>For Black Anodized Finish, Add</i>	112.70	
			<i>For >10 To 20, Deduct</i>	-47.66	
			<i>For >20 To 40, Deduct</i>	-89.68	
			<i>For >40, Deduct</i>	-184.99	
26 56	13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,134.95	334.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.52	
			<i>For Black Anodized Finish, Add</i>	93.04	
			<i>For >10 To 20, Deduct</i>	-35.35	
			<i>For >20 To 40, Deduct</i>	-66.05	
			<i>For >40, Deduct</i>	-136.76	
26 56	13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,265.52	376.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.21	
			<i>For Black Anodized Finish, Add</i>	102.41	
			<i>For >10 To 20, Deduct</i>	-39.32	
			<i>For >20 To 40, Deduct</i>	-73.52	
			<i>For >40, Deduct</i>	-152.16	
26 56	13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,404.09	418.58
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.69	
			<i>For Black Anodized Finish, Add</i>	113.39	
			<i>For >10 To 20, Deduct</i>	-43.61	
			<i>For >20 To 40, Deduct</i>	-81.54	
			<i>For >40, Deduct</i>	-168.76	
26 56	13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,522.10	460.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.12	
			<i>For Black Anodized Finish, Add</i>	120.24	
			<i>For >10 To 20, Deduct</i>	-47.07	
			<i>For >20 To 40, Deduct</i>	-88.13	
			<i>For >40, Deduct</i>	-182.27	
26 56	13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,656.12	502.30
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.15	
			<i>For Black Anodized Finish, Add</i>	130.30	
			<i>For >10 To 20, Deduct</i>	-51.18	
			<i>For >20 To 40, Deduct</i>	-95.84	
			<i>For >40, Deduct</i>	-198.19	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,516.11 67.90 135.79 -48.09 -89.38 -185.56	418.58
26 56	13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,664.98 74.41 148.82 -52.79 -98.13 -203.70	460.44
26 56	13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,766.99 76.24 152.48 -55.61 -103.60 -214.82	502.30
26 56	13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,036.15 86.41 172.82 -63.87 -119.09 -246.82	586.02
26 56	13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,312.17 97.27 194.54 -72.39 -135.06 -279.85	669.74
26 56	13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,776.99 85.61 171.22 -57.27 -105.97 -220.50	460.44
26 56	13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,903.01 89.84 179.68 -61.05 -113.12 -235.22	502.30
26 56	13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,143.59 97.16 194.31 -68.16 -126.61 -262.94	586.02
26 56	13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,394.47 105.50 211.00 -75.69 -140.82 -292.20	669.74
26 56	13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,570.77 114.76 229.52 -81.48 -151.49 -314.46	711.59
26 56	13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,749.35 124.25 248.49 -87.37 -162.32 -337.06	753.45
26 56	13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,249.89 107.79 215.57 -72.42 -134.05 -278.88	586.02
26 56	13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,465.33 112.59 225.17 -78.52 -145.78 -302.83	669.74
26 56	13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,647.35 122.42 244.83 -84.55 -156.85 -325.94	711.59

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0385 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,868.22	753.45
For Bronze Or Satin Anodized Finish, Add	136.13	
For Black Anodized Finish, Add	272.26	
For >10 To 20, Deduct	-92.13	
For >20 To 40, Deduct	-170.64	
For >40, Deduct	-354.89	
26 56 13 00-0386 EA 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,961.52	774.38
For Bronze Or Satin Anodized Finish, Add	141.28	
For Black Anodized Finish, Add	282.55	
For >10 To 20, Deduct	-95.23	
For >20 To 40, Deduct	-176.33	
For >40, Deduct	-366.79	
26 56 13 00-0387 EA 35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,141.68	795.31
For Bronze Or Satin Anodized Finish, Add	155.11	
For Black Anodized Finish, Add	310.21	
For >10 To 20, Deduct	-101.81	
For >20 To 40, Deduct	-188.11	
For >40, Deduct	-391.72	
26 56 13 00-0388 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,181.81	334.87
For Bronze Or Satin Anodized Finish, Add	51.21	
For Black Anodized Finish, Add	102.41	
For >10 To 20, Deduct	-37.23	
For >20 To 40, Deduct	-69.33	
For >40, Deduct	-143.78	
26 56 13 00-0389 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,320.38	376.73
For Bronze Or Satin Anodized Finish, Add	56.69	
For Black Anodized Finish, Add	113.39	
For >10 To 20, Deduct	-41.51	
For >20 To 40, Deduct	-77.36	
For >40, Deduct	-160.38	
26 56 13 00-0390 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,463.53	418.58
For Bronze Or Satin Anodized Finish, Add	62.64	
For Black Anodized Finish, Add	125.27	
For >10 To 20, Deduct	-45.98	
For >20 To 40, Deduct	-85.70	
For >40, Deduct	-177.67	
26 56 13 00-0391 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,594.11	460.44
For Bronze Or Satin Anodized Finish, Add	67.32	
For Black Anodized Finish, Add	134.65	
For >10 To 20, Deduct	-49.95	
For >20 To 40, Deduct	-93.17	
For >40, Deduct	-193.07	
26 56 13 00-0392 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,723.55	502.30
For Bronze Or Satin Anodized Finish, Add	71.90	
For Black Anodized Finish, Add	143.79	
For >10 To 20, Deduct	-53.87	
For >20 To 40, Deduct	-100.56	
For >40, Deduct	-208.30	
26 56 13 00-0393 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,588.12	418.58
For Bronze Or Satin Anodized Finish, Add	75.10	
For Black Anodized Finish, Add	150.19	
For >10 To 20, Deduct	-50.97	
For >20 To 40, Deduct	-94.43	
For >40, Deduct	-196.36	
26 56 13 00-0394 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,740.42	460.44
For Bronze Or Satin Anodized Finish, Add	81.95	
For Black Anodized Finish, Add	163.91	
For >10 To 20, Deduct	-55.80	
For >20 To 40, Deduct	-103.41	
For >40, Deduct	-215.02	
26 56 13 00-0395 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,857.29	502.30
For Bronze Or Satin Anodized Finish, Add	85.27	
For Black Anodized Finish, Add	170.54	
For >10 To 20, Deduct	-59.22	
For >20 To 40, Deduct	-109.92	
For >40, Deduct	-228.36	
26 56 13 00-0396 EA 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,120.73	586.02
For Bronze Or Satin Anodized Finish, Add	94.87	
For Black Anodized Finish, Add	189.74	
For >10 To 20, Deduct	-67.25	
For >20 To 40, Deduct	-125.01	
For >40, Deduct	-259.51	
26 56 13 00-0397 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,391.04	669.74
For Bronze Or Satin Anodized Finish, Add	105.16	
For Black Anodized Finish, Add	210.31	
For >10 To 20, Deduct	-75.55	
For >20 To 40, Deduct	-140.58	
For >40, Deduct	-291.68	
26 56 13 00-0398 EA 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,379.05	586.02
For Bronze Or Satin Anodized Finish, Add	120.70	
For Black Anodized Finish, Add	241.40	
For >10 To 20, Deduct	-77.58	
For >20 To 40, Deduct	-143.09	
For >40, Deduct	-298.26	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0399 EA 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,636.79	669.74
For Bronze Or Satin Anodized Finish, Add	129.73	
For Black Anodized Finish, Add	259.46	
For >10 To 20, Deduct	-85.38	
For >20 To 40, Deduct	-157.79	
For >40, Deduct	-328.55	
26 56 13 00-0400 EA 28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,832.52	711.59
For Bronze Or Satin Anodized Finish, Add	140.93	
For Black Anodized Finish, Add	281.87	
For >10 To 20, Deduct	-91.95	
For >20 To 40, Deduct	-169.81	
For >40, Deduct	-353.72	
26 56 13 00-0401 EA 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,008.82	753.45
For Bronze Or Satin Anodized Finish, Add	150.19	
For Black Anodized Finish, Add	300.38	
For >10 To 20, Deduct	-97.75	
For >20 To 40, Deduct	-180.48	
For >40, Deduct	-375.98	
26 56 13 00-0402 EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,161.55	774.38
For Bronze Or Satin Anodized Finish, Add	161.28	
For Black Anodized Finish, Add	322.56	
For >10 To 20, Deduct	-103.23	
For >20 To 40, Deduct	-190.33	
For >40, Deduct	-396.79	
26 56 13 00-0403 EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,295.99	795.31
For Bronze Or Satin Anodized Finish, Add	170.54	
For Black Anodized Finish, Add	341.07	
For >10 To 20, Deduct	-107.98	
For >20 To 40, Deduct	-198.91	
For >40, Deduct	-414.87	
26 56 13 00-0404 EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,412.14	816.24
For Bronze Or Satin Anodized Finish, Add	177.97	
For Black Anodized Finish, Add	355.93	
For >10 To 20, Deduct	-112.00	
For >20 To 40, Deduct	-206.20	
For >40, Deduct	-430.20	
26 56 13 00-0405 EA 39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,614.02	837.16
For Bronze Or Satin Anodized Finish, Add	193.97	
For Black Anodized Finish, Add	387.94	
For >10 To 20, Deduct	-119.45	
For >20 To 40, Deduct	-219.49	
For >40, Deduct	-458.39	
26 56 13 00-0406 EA 28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,326.30	711.59
For Bronze Or Satin Anodized Finish, Add	190.31	
For Black Anodized Finish, Add	380.62	
For >10 To 20, Deduct	-111.70	
For >20 To 40, Deduct	-204.38	
For >40, Deduct	-427.79	
26 56 13 00-0407 EA 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,580.32	753.45
For Bronze Or Satin Anodized Finish, Add	207.34	
For Black Anodized Finish, Add	414.68	
For >10 To 20, Deduct	-120.61	
For >20 To 40, Deduct	-220.48	
For >40, Deduct	-461.70	
26 56 13 00-0408 EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,755.91	774.38
For Bronze Or Satin Anodized Finish, Add	220.72	
For Black Anodized Finish, Add	441.43	
For >10 To 20, Deduct	-127.01	
For >20 To 40, Deduct	-231.94	
For >40, Deduct	-485.95	
26 56 13 00-0409 EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,891.50	795.31
For Bronze Or Satin Anodized Finish, Add	230.09	
For Black Anodized Finish, Add	460.18	
For >10 To 20, Deduct	-131.80	
For >20 To 40, Deduct	-240.59	
For >40, Deduct	-504.19	
26 56 13 00-0410 EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,971.07	816.24
For Bronze Or Satin Anodized Finish, Add	233.86	
For Black Anodized Finish, Add	467.72	
For >10 To 20, Deduct	-134.36	
For >20 To 40, Deduct	-245.33	
For >40, Deduct	-514.04	
26 56 13 00-0411 EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,192.38	837.16
For Bronze Or Satin Anodized Finish, Add	251.81	
For Black Anodized Finish, Add	503.61	
For >10 To 20, Deduct	-142.58	
For >20 To 40, Deduct	-259.98	
For >40, Deduct	-545.14	
26 56 13 00-0412 EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,169.71	711.59
For Bronze Or Satin Anodized Finish, Add	174.65	
For Black Anodized Finish, Add	349.30	
For >10 To 20, Deduct	-105.44	
For >20 To 40, Deduct	-193.42	
For >40, Deduct	-404.30	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,403.15	753.45
		<i>For Bronze Or Satin Anodized Finish, Add</i>	189.63	
		<i>For Black Anodized Finish, Add</i>	379.25	
		<i>For >10 To 20, Deduct</i>	-113.52	
		<i>For >20 To 40, Deduct</i>	-208.08	
		<i>For >40, Deduct</i>	-435.13	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,496.45	774.38
		<i>For Bronze Or Satin Anodized Finish, Add</i>	194.77	
		<i>For Black Anodized Finish, Add</i>	389.54	
		<i>For >10 To 20, Deduct</i>	-116.63	
		<i>For >20 To 40, Deduct</i>	-213.78	
		<i>For >40, Deduct</i>	-447.03	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,721.19	795.31
		<i>For Bronze Or Satin Anodized Finish, Add</i>	213.06	
		<i>For Black Anodized Finish, Add</i>	426.11	
		<i>For >10 To 20, Deduct</i>	-124.99	
		<i>For >20 To 40, Deduct</i>	-228.67	
		<i>For >40, Deduct</i>	-478.65	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,836.19	816.24
		<i>For Bronze Or Satin Anodized Finish, Add</i>	220.37	
		<i>For Black Anodized Finish, Add</i>	440.74	
		<i>For >10 To 20, Deduct</i>	-128.96	
		<i>For >20 To 40, Deduct</i>	-235.88	
		<i>For >40, Deduct</i>	-493.81	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,058.65	837.16
		<i>For Bronze Or Satin Anodized Finish, Add</i>	238.43	
		<i>For Black Anodized Finish, Add</i>	476.86	
		<i>For >10 To 20, Deduct</i>	-137.23	
		<i>For >20 To 40, Deduct</i>	-250.62	
		<i>For >40, Deduct</i>	-525.08	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,885.23	711.59
		<i>For Bronze Or Satin Anodized Finish, Add</i>	246.20	
		<i>For Black Anodized Finish, Add</i>	492.41	
		<i>For >10 To 20, Deduct</i>	-134.06	
		<i>For >20 To 40, Deduct</i>	-243.50	
		<i>For >40, Deduct</i>	-511.63	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,108.39	753.45
		<i>For Bronze Or Satin Anodized Finish, Add</i>	260.15	
		<i>For Black Anodized Finish, Add</i>	520.30	
		<i>For >10 To 20, Deduct</i>	-141.73	
		<i>For >20 To 40, Deduct</i>	-257.45	
		<i>For >40, Deduct</i>	-540.91	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,286.27	774.38
		<i>For Bronze Or Satin Anodized Finish, Add</i>	273.75	
		<i>For Black Anodized Finish, Add</i>	547.50	
		<i>For >10 To 20, Deduct</i>	-148.22	
		<i>For >20 To 40, Deduct</i>	-269.06	
		<i>For >40, Deduct</i>	-565.50	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,556.73	795.31
		<i>For Bronze Or Satin Anodized Finish, Add</i>	296.61	
		<i>For Black Anodized Finish, Add</i>	593.22	
		<i>For >10 To 20, Deduct</i>	-158.41	
		<i>For >20 To 40, Deduct</i>	-287.16	
		<i>For >40, Deduct</i>	-603.98	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,623.73	816.24
		<i>For Bronze Or Satin Anodized Finish, Add</i>	299.13	
		<i>For Black Anodized Finish, Add</i>	598.25	
		<i>For >10 To 20, Deduct</i>	-160.46	
		<i>For >20 To 40, Deduct</i>	-291.01	
		<i>For >40, Deduct</i>	-611.94	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,893.05	837.16
		<i>For Bronze Or Satin Anodized Finish, Add</i>	321.87	
		<i>For Black Anodized Finish, Add</i>	643.74	
		<i>For >10 To 20, Deduct</i>	-170.61	
		<i>For >20 To 40, Deduct</i>	-309.03	
		<i>For >40, Deduct</i>	-650.24	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,259.43	1,255.75
		<i>For Bronze Or Satin Anodized Finish, Add</i>	374.79	
		<i>For Black Anodized Finish, Add</i>	749.59	
		<i>For >10 To 20, Deduct</i>	-212.70	
		<i>For >20 To 40, Deduct</i>	-387.93	
		<i>For >40, Deduct</i>	-813.34	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,401.16	1,255.75
		<i>For Bronze Or Satin Anodized Finish, Add</i>	388.97	
		<i>For Black Anodized Finish, Add</i>	777.93	
		<i>For >10 To 20, Deduct</i>	-218.37	
		<i>For >20 To 40, Deduct</i>	-397.85	
		<i>For >40, Deduct</i>	-834.60	
26 56 13 00-0426		Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,071.52	251.15
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	85.38	
		<i>For >10 To 20, Deduct</i>	-35.33	
		<i>For >20 To 40, Deduct</i>	-64.96	
		<i>For >40, Deduct</i>	-135.61	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,179.24 88.98 -38.38 -70.83 -147.59	293.01
26 56 13 00-0429	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,288.11 92.76 -41.48 -76.77 -159.73	334.87
26 56 13 00-0430	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,399.25 96.87 -44.67 -82.88 -172.22	376.73
26 56 13 00-0431	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,509.25 100.81 -47.81 -88.90 -184.53	418.58
26 56 13 00-0432	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,192.96 91.04 -38.93 -71.79 -149.64	293.01
26 56 13 00-0433	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,304.11 95.16 -42.12 -77.89 -162.13	334.87
26 56 13 00-0434	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,417.54 99.61 -45.40 -84.16 -174.96	376.73
26 56 13 00-0435	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,529.82 103.90 -48.64 -90.34 -187.62	418.58
26 56 13 00-0436	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,656.98 110.42 -52.47 -97.57 -202.50	460.44
26 56 13 00-0437	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,773.85 115.39 -55.89 -104.08 -215.85	502.30
26 56 13 00-0438	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,348.69 101.84 -43.90 -81.01 -168.82	334.87
26 56 13 00-0439	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,467.83 107.16 -47.41 -87.68 -182.50	376.73
26 56 13 00-0440	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,600.69 114.53 -51.47 -95.31 -198.25	418.58
26 56 13 00-0441	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,722.13 120.19 -55.07 -102.13 -212.28	460.44
26 56 13 00-0442	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,858.43 128.07 -59.27 -110.00 -228.53	502.30
26 56 13 00-0443	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,665.84 124.30 -54.08 -99.87 -208.02	418.58
26 56 13 00-0444	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,810.14 133.39 -58.59 -108.29 -225.48	460.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0445 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,929.30	502.30
For Bronze, Satin Or Black Anodized Finish, Add	138.71	
For >10 To 20, Deduct	-62.10	
For >20 To 40, Deduct	-114.96	
For >40, Deduct	-239.17	
26 56 13 00-0446 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,384.12	334.87
For Bronze, Satin Or Black Anodized Finish, Add	107.16	
For >10 To 20, Deduct	-45.32	
For >20 To 40, Deduct	-83.49	
For >40, Deduct	-174.13	
26 56 13 00-0447 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,521.55	376.73
For Bronze, Satin Or Black Anodized Finish, Add	115.22	
For >10 To 20, Deduct	-49.56	
For >20 To 40, Deduct	-91.44	
For >40, Deduct	-190.56	
26 56 13 00-0448 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,665.84	418.58
For Bronze, Satin Or Black Anodized Finish, Add	124.30	
For >10 To 20, Deduct	-54.08	
For >20 To 40, Deduct	-99.87	
For >40, Deduct	-208.02	
26 56 13 00-0449 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,796.43	460.44
For Bronze, Satin Or Black Anodized Finish, Add	131.33	
For >10 To 20, Deduct	-58.04	
For >20 To 40, Deduct	-107.33	
For >40, Deduct	-223.42	
26 56 13 00-0450 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,935.01	502.30
For Bronze, Satin Or Black Anodized Finish, Add	139.56	
For >10 To 20, Deduct	-62.33	
For >20 To 40, Deduct	-115.36	
For >40, Deduct	-240.02	
26 56 13 00-0451 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,740.14	418.58
For Bronze, Satin Or Black Anodized Finish, Add	135.45	
For >10 To 20, Deduct	-57.05	
For >20 To 40, Deduct	-105.07	
For >40, Deduct	-219.16	
26 56 13 00-0452 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,893.58	460.44
For Bronze, Satin Or Black Anodized Finish, Add	145.91	
For >10 To 20, Deduct	-61.93	
For >20 To 40, Deduct	-114.13	
For >40, Deduct	-237.99	
26 56 13 00-0453 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	2,018.45	502.30
For Bronze, Satin Or Black Anodized Finish, Add	152.08	
For >10 To 20, Deduct	-65.67	
For >20 To 40, Deduct	-121.20	
For >40, Deduct	-252.54	
26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354)		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	756.91	209.30
For Bronze Or Satin Anodized Finish, Add	33.83	
For Black Anodized Finish, Add	67.67	
For >10 To 20, Deduct	-24.00	
For >20 To 40, Deduct	-44.61	
For >40, Deduct	-92.61	
26 56 13 00-0456 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	788.92	209.30
For Bronze Or Satin Anodized Finish, Add	37.03	
For Black Anodized Finish, Add	74.07	
For >10 To 20, Deduct	-25.28	
For >20 To 40, Deduct	-46.85	
For >40, Deduct	-97.41	
26 56 13 00-0457 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	857.06	230.22
For Bronze Or Satin Anodized Finish, Add	39.66	
For Black Anodized Finish, Add	79.32	
For >10 To 20, Deduct	-27.38	
For >20 To 40, Deduct	-50.79	
For >40, Deduct	-105.54	
26 56 13 00-0458 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	917.21	251.15
For Bronze Or Satin Anodized Finish, Add	41.49	
For Black Anodized Finish, Add	82.98	
For >10 To 20, Deduct	-29.15	
For >20 To 40, Deduct	-54.16	
For >40, Deduct	-112.47	
26 56 13 00-0459 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	958.36	251.15
For Bronze Or Satin Anodized Finish, Add	45.61	
For Black Anodized Finish, Add	91.21	
For >10 To 20, Deduct	-30.80	
For >20 To 40, Deduct	-57.04	
For >40, Deduct	-118.64	
26 56 13 00-0460 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	887.93	230.22
For Bronze Or Satin Anodized Finish, Add	42.75	
For Black Anodized Finish, Add	85.50	
For >10 To 20, Deduct	-28.61	
For >20 To 40, Deduct	-52.95	
For >40, Deduct	-110.17	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	961.79 45.95 91.90 -30.94 -57.28 -119.15	251.15
26 56 13 00-0462 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	984.65 48.24 96.47 -31.85 -58.88 -122.58	251.15
26 56 13 00-0463 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,063.08 51.89 103.79 -34.36 -63.53 -132.25	272.08
26 56 13 00-0464 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,136.95 55.09 110.19 -36.69 -67.87 -141.24	293.01
26 56 13 00-0465 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,050.94 54.86 109.73 -34.50 -63.52 -132.53	251.15
26 56 13 00-0466 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,136.23 59.21 118.42 -37.29 -68.65 -143.23	272.08
26 56 13 00-0467 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,215.82 62.98 125.96 -39.84 -73.39 -153.07	293.01
26 56 13 00-0468 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,229.96 68.58 137.16 -41.04 -75.21 -157.29	272.08
26 56 13 00-0469 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,569.29 89.96 179.91 -52.73 -96.46 -201.91	334.87
26 56 13 00-0470 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,698.45 102.87 205.74 -57.89 -105.50 -221.28	334.87
26 56 13 00-0471 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,893.03 113.96 227.92 -64.42 -117.44 -246.28	376.73
26 56 13 00-0472 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,033.62 128.02 256.03 -70.04 -127.28 -267.37	376.73
26 56 13 00-0473 Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	974.36 47.21 94.41 -31.44 -58.16 -121.04	251.15

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0476 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,082.09	293.01
For Bronze Or Satin Anodized Finish, Add	49.61	
For Black Anodized Finish, Add	99.21	
For >10 To 20, Deduct	-34.49	
For >20 To 40, Deduct	-64.03	
For >40, Deduct	-133.01	
26 56 13 00-0477 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,198.95	334.87
For Bronze Or Satin Anodized Finish, Add	52.92	
For Black Anodized Finish, Add	105.84	
For >10 To 20, Deduct	-37.91	
For >20 To 40, Deduct	-70.53	
For >40, Deduct	-146.36	
26 56 13 00-0478 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,314.67	376.73
For Bronze Or Satin Anodized Finish, Add	56.12	
For Black Anodized Finish, Add	112.24	
For >10 To 20, Deduct	-41.29	
For >20 To 40, Deduct	-76.96	
For >40, Deduct	-159.53	
26 56 13 00-0479 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,377.10	397.66
For Bronze Or Satin Anodized Finish, Add	58.18	
For Black Anodized Finish, Add	116.36	
For >10 To 20, Deduct	-43.15	
For >20 To 40, Deduct	-80.49	
For >40, Deduct	-166.80	
26 56 13 00-0480 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,439.53	418.58
For Bronze Or Satin Anodized Finish, Add	60.24	
For Black Anodized Finish, Add	120.47	
For >10 To 20, Deduct	-45.02	
For >20 To 40, Deduct	-84.02	
For >40, Deduct	-174.07	
26 56 13 00-0481 EA 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,562.11	460.44
For Bronze Or Satin Anodized Finish, Add	64.12	
For Black Anodized Finish, Add	128.25	
For >10 To 20, Deduct	-48.67	
For >20 To 40, Deduct	-90.93	
For >40, Deduct	-188.27	
26 56 13 00-0482 EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,694.98	502.30
For Bronze Or Satin Anodized Finish, Add	69.04	
For Black Anodized Finish, Add	138.08	
For >10 To 20, Deduct	-52.73	
For >20 To 40, Deduct	-98.56	
For >40, Deduct	-204.02	
26 56 13 00-0483 EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,518.39	418.58
For Bronze Or Satin Anodized Finish, Add	68.12	
For Black Anodized Finish, Add	136.25	
For >10 To 20, Deduct	-48.18	
For >20 To 40, Deduct	-89.54	
For >40, Deduct	-185.90	
26 56 13 00-0484 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,643.26	460.44
For Bronze Or Satin Anodized Finish, Add	72.24	
For Black Anodized Finish, Add	144.48	
For >10 To 20, Deduct	-51.92	
For >20 To 40, Deduct	-96.61	
For >40, Deduct	-200.45	
26 56 13 00-0485 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,782.99	502.30
For Bronze Or Satin Anodized Finish, Add	77.84	
For Black Anodized Finish, Add	155.68	
For >10 To 20, Deduct	-56.25	
For >20 To 40, Deduct	-104.72	
For >40, Deduct	-217.22	
26 56 13 00-0486 EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,720.01	397.66
For Bronze Or Satin Anodized Finish, Add	92.47	
For Black Anodized Finish, Add	184.94	
For >10 To 20, Deduct	-56.87	
For >20 To 40, Deduct	-104.49	
For >40, Deduct	-218.24	
26 56 13 00-0487 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,111.03	502.30
For Bronze Or Satin Anodized Finish, Add	110.64	
For Black Anodized Finish, Add	221.29	
For >10 To 20, Deduct	-69.37	
For >20 To 40, Deduct	-127.68	
For >40, Deduct	-266.42	
26 56 13 00-0488 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,588.78	669.74
For Bronze Or Satin Anodized Finish, Add	124.93	
For Black Anodized Finish, Add	249.86	
For >10 To 20, Deduct	-83.46	
For >20 To 40, Deduct	-154.43	
For >40, Deduct	-321.34	
26 56 13 00-0489 EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,853.86	502.30
For Bronze Or Satin Anodized Finish, Add	84.93	
For Black Anodized Finish, Add	169.85	
For >10 To 20, Deduct	-59.09	
For >20 To 40, Deduct	-109.68	
For >40, Deduct	-227.85	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0490 EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,249.34	502.30
For Bronze Or Satin Anodized Finish, Add	124.47	
For Black Anodized Finish, Add	248.95	
For >10 To 20, Deduct	-74.90	
For >20 To 40, Deduct	-137.36	
For >40, Deduct	-287.17	
26 56 13 00-0491 EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,714.51	669.74
For Bronze Or Satin Anodized Finish, Add	137.50	
For Black Anodized Finish, Add	275.01	
For >10 To 20, Deduct	-88.49	
For >20 To 40, Deduct	-163.23	
For >40, Deduct	-340.20	
26 56 13 00-0492 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,466.51	502.30
For Bronze Or Satin Anodized Finish, Add	146.19	
For Black Anodized Finish, Add	292.38	
For >10 To 20, Deduct	-83.59	
For >20 To 40, Deduct	-152.56	
For >40, Deduct	-319.75	
26 56 13 00-0493 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,997.98	669.74
For Bronze Or Satin Anodized Finish, Add	165.85	
For Black Anodized Finish, Add	331.70	
For >10 To 20, Deduct	-99.83	
For >20 To 40, Deduct	-183.07	
For >40, Deduct	-382.72	
26 56 13 00-0494 EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,460.30	753.45
For Bronze Or Satin Anodized Finish, Add	195.34	
For Black Anodized Finish, Add	390.68	
For >10 To 20, Deduct	-115.81	
For >20 To 40, Deduct	-212.08	
For >40, Deduct	-443.70	
26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0473)</small>		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	868.93	209.30
For Bronze Or Satin Anodized Finish, Add	45.04	
For Black Anodized Finish, Add	90.07	
For >10 To 20, Deduct	-28.48	
For >20 To 40, Deduct	-52.45	
For >40, Deduct	-109.41	
26 56 13 00-0497 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	969.08	230.22
For Bronze Or Satin Anodized Finish, Add	50.86	
For Black Anodized Finish, Add	101.73	
For >10 To 20, Deduct	-31.86	
For >20 To 40, Deduct	-58.63	
For >40, Deduct	-122.34	
26 56 13 00-0498 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,034.94	251.15
For Bronze Or Satin Anodized Finish, Add	53.26	
For Black Anodized Finish, Add	106.53	
For >10 To 20, Deduct	-33.86	
For >20 To 40, Deduct	-62.40	
For >40, Deduct	-130.13	
26 56 13 00-0499 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,063.52	251.15
For Bronze Or Satin Anodized Finish, Add	56.12	
For Black Anodized Finish, Add	112.24	
For >10 To 20, Deduct	-35.01	
For >20 To 40, Deduct	-64.40	
For >40, Deduct	-134.41	
26 56 13 00-0500 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,098.95	251.15
For Bronze Or Satin Anodized Finish, Add	59.67	
For Black Anodized Finish, Add	119.33	
For >10 To 20, Deduct	-36.42	
For >20 To 40, Deduct	-66.88	
For >40, Deduct	-139.73	
26 56 13 00-0501 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,261.96	272.08
For Bronze Or Satin Anodized Finish, Add	71.78	
For Black Anodized Finish, Add	143.56	
For >10 To 20, Deduct	-42.32	
For >20 To 40, Deduct	-77.45	
For >40, Deduct	-162.09	
26 56 13 00-0502 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,352.98	293.01
For Bronze Or Satin Anodized Finish, Add	76.70	
For Black Anodized Finish, Add	153.39	
For >10 To 20, Deduct	-45.33	
For >20 To 40, Deduct	-82.99	
For >40, Deduct	-173.65	
26 56 13 00-0503 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,532.43	293.01
For Bronze Or Satin Anodized Finish, Add	94.64	
For Black Anodized Finish, Add	189.28	
For >10 To 20, Deduct	-52.51	
For >20 To 40, Deduct	-95.55	
For >40, Deduct	-200.56	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0504 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,760.17	334.87
For Bronze Or Satin Anodized Finish, Add	109.04	
For Black Anodized Finish, Add	218.09	
For >10 To 20, Deduct	-60.36	
For >20 To 40, Deduct	-109.82	
For >40, Deduct	-230.54	
26 56 13 00-0505 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	2,161.37	334.87
For Bronze Or Satin Anodized Finish, Add	149.16	
For Black Anodized Finish, Add	298.33	
For >10 To 20, Deduct	-76.41	
For >20 To 40, Deduct	-137.90	
For >40, Deduct	-290.72	
26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0507 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	91.25	
26 56 13 00-0508 EA Extra Handhole For Aluminum Area Light Poles	42.60	
26 56 13 00-0509 EA Vibration Dampener For Aluminum Area Light Poles	138.04	
26 56 13 00-0510 Fiberglass Area Light Poles (26 56 13 00-0177)		
Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)		
26 56 13 00-0513 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,435.72	293.01
For >10 To 20, Deduct	-48.64	
For >20 To 40, Deduct	-88.78	
For >40, Deduct	-186.06	
26 56 13 00-0514 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,570.02	334.87
For >10 To 20, Deduct	-52.75	
For >20 To 40, Deduct	-96.51	
For >40, Deduct	-202.02	
26 56 13 00-0515 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,705.75	376.73
For >10 To 20, Deduct	-56.93	
For >20 To 40, Deduct	-104.33	
For >40, Deduct	-218.19	
26 56 13 00-0516 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,840.04	418.58
For >10 To 20, Deduct	-61.04	
For >20 To 40, Deduct	-112.06	
For >40, Deduct	-234.15	
26 56 13 00-0517 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,000.35	460.44
For >10 To 20, Deduct	-66.20	
For >20 To 40, Deduct	-121.61	
For >40, Deduct	-254.01	
26 56 13 00-0518 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,137.53	502.30
For >10 To 20, Deduct	-70.43	
For >20 To 40, Deduct	-129.54	
For >40, Deduct	-270.40	
26 56 13 00-0519 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,356.99	586.02
For >10 To 20, Deduct	-76.70	
For >20 To 40, Deduct	-141.55	
For >40, Deduct	-294.95	
26 56 13 00-0520 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,575.00	669.74
For >10 To 20, Deduct	-82.91	
For >20 To 40, Deduct	-153.46	
For >40, Deduct	-319.28	
26 56 13 00-0521 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,692.06	669.74
For >10 To 20, Deduct	-87.59	
For >20 To 40, Deduct	-161.65	
For >40, Deduct	-336.84	
26 56 13 00-0522 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,878.38	711.59
For >10 To 20, Deduct	-93.79	
For >20 To 40, Deduct	-173.02	
For >40, Deduct	-360.60	
26 56 13 00-0523 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,064.69	753.45
For >10 To 20, Deduct	-99.98	
For >20 To 40, Deduct	-184.39	
For >40, Deduct	-384.36	
26 56 13 00-0524 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,568.67	293.01
For >10 To 20, Deduct	-53.96	
For >20 To 40, Deduct	-98.09	
For >40, Deduct	-206.00	
26 56 13 00-0525 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,676.95	334.87
For >10 To 20, Deduct	-57.03	
For >20 To 40, Deduct	-103.99	
For >40, Deduct	-218.06	
26 56 13 00-0526 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,786.68	376.73
For >10 To 20, Deduct	-60.17	
For >20 To 40, Deduct	-110.00	
For >40, Deduct	-230.33	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0527 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,899.29 -63.41 -116.21 -243.04	418.58
26 56 13 00-0528 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,019.13 -66.95 -122.92 -256.83	460.44
26 56 13 00-0529 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,137.53 -70.43 -129.54 -270.40	502.30
26 56 13 00-0530 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,339.65 -76.01 -140.33 -292.35	586.02
26 56 13 00-0531 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,575.00 -82.91 -153.46 -319.28	669.74
26 56 13 00-0532 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,624.14 -84.87 -156.90 -326.65	669.74
26 56 13 00-0533 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,758.43 -88.99 -164.63 -342.61	711.59
26 56 13 00-0534 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,892.72 -93.11 -172.35 -358.56	753.45
26 56 13 00-0535 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,763.75 -61.76 -111.74 -235.26	293.01
26 56 13 00-0536 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,892.27 -65.64 -119.06 -250.35	334.87
26 56 13 00-0537 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,020.78 -69.53 -126.39 -265.44	376.73
26 56 13 00-0538 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,150.73 -73.47 -133.81 -280.75	418.58
26 56 13 00-0539 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,286.47 -77.65 -141.64 -296.93	460.44
26 56 13 00-0540 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,430.88 -82.17 -150.07 -314.40	502.30
26 56 13 00-0541 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,672.01 -89.30 -163.60 -342.20	586.02
26 56 13 00-0542 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,914.60 -96.49 -177.23 -370.22	669.74
26 56 13 00-0543 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,989.74 -99.50 -182.49 -381.49	669.74
26 56 13 00-0544 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,191.96 -106.33 -194.97 -407.63	711.59
26 56 13 00-0545 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,360.92 -111.83 -205.13 -428.79	753.45
26 56 13 00-0546 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,488.04 -116.29 -213.19 -445.77	774.38
26 56 13 00-0547 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,615.16 -120.75 -221.25 -462.74	795.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)		
26 56 13 00-0549 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	904.12	209.30
For>10 To 20, Deduct	-29.89	
For>20 To 40, Deduct	-54.92	
For>40, Deduct	-114.69	
26 56 13 00-0550 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	973.44	230.22
For>10 To 20, Deduct	-32.03	
For>20 To 40, Deduct	-58.93	
For>40, Deduct	-122.99	
26 56 13 00-0551 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,041.31	251.15
For>10 To 20, Deduct	-34.12	
For>20 To 40, Deduct	-62.85	
For>40, Deduct	-131.08	
26 56 13 00-0552 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,065.88	251.15
For>10 To 20, Deduct	-35.10	
For>20 To 40, Deduct	-64.57	
For>40, Deduct	-134.77	
26 56 13 00-0553 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,148.19	272.08
For>10 To 20, Deduct	-37.77	
For>20 To 40, Deduct	-69.49	
For>40, Deduct	-145.02	
26 56 13 00-0554 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,218.96	293.01
For>10 To 20, Deduct	-39.97	
For>20 To 40, Deduct	-73.61	
For>40, Deduct	-153.54	
26 56 13 00-0555 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,294.06	313.93
For>10 To 20, Deduct	-42.34	
For>20 To 40, Deduct	-78.03	
For>40, Deduct	-162.72	
26 56 13 00-0556 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,376.38	334.87
For>10 To 20, Deduct	-45.01	
For>20 To 40, Deduct	-82.95	
For>40, Deduct	-172.97	
26 56 13 00-0557 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,515.11	334.87
For>10 To 20, Deduct	-50.56	
For>20 To 40, Deduct	-92.66	
For>40, Deduct	-193.78	
26 56 13 00-0558 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,695.68	355.79
For>10 To 20, Deduct	-57.15	
For>20 To 40, Deduct	-104.47	
For>40, Deduct	-218.77	
26 56 13 00-0559 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,876.27	376.73
For>10 To 20, Deduct	-63.75	
For>20 To 40, Deduct	-116.27	
For>40, Deduct	-243.77	
26 56 13 00-0560 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,037.07	209.30
For>10 To 20, Deduct	-35.20	
For>20 To 40, Deduct	-64.22	
For>40, Deduct	-134.63	
26 56 13 00-0561 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,113.61	230.22
For>10 To 20, Deduct	-37.64	
For>20 To 40, Deduct	-68.74	
For>40, Deduct	-144.02	
26 56 13 00-0562 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,190.15	251.15
For>10 To 20, Deduct	-40.07	
For>20 To 40, Deduct	-73.26	
For>40, Deduct	-153.41	
26 56 13 00-0563 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,226.28	251.15
For>10 To 20, Deduct	-41.52	
For>20 To 40, Deduct	-75.79	
For>40, Deduct	-158.83	
26 56 13 00-0564 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,302.81	272.08
For>10 To 20, Deduct	-43.95	
For>20 To 40, Deduct	-80.31	
For>40, Deduct	-168.21	
26 56 13 00-0565 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,379.36	293.01
For>10 To 20, Deduct	-46.38	
For>20 To 40, Deduct	-84.83	
For>40, Deduct	-177.60	
26 56 13 00-0566 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,455.91	313.93
For>10 To 20, Deduct	-48.82	
For>20 To 40, Deduct	-89.36	
For>40, Deduct	-186.99	
26 56 13 00-0567 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,565.68	334.87
For>10 To 20, Deduct	-52.58	
For>20 To 40, Deduct	-96.20	
For>40, Deduct	-201.37	
26 56 13 00-0568 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,700.07	334.87
For>10 To 20, Deduct	-57.96	
For>20 To 40, Deduct	-105.61	
For>40, Deduct	-221.52	
26 56 13 00-0569 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,877.76	355.79
For>10 To 20, Deduct	-64.44	
For>20 To 40, Deduct	-117.21	
For>40, Deduct	-246.08	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0570	EA		30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,054.01	376.73
			<i>For >10 To 20, Deduct</i>	-70.86	
			<i>For >20 To 40, Deduct</i>	-128.71	
			<i>For >40, Deduct</i>	-270.43	
26 56 13 00-0571	EA		10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,154.12	209.30
			<i>For >10 To 20, Deduct</i>	-39.89	
			<i>For >20 To 40, Deduct</i>	-72.42	
			<i>For >40, Deduct</i>	-152.19	
26 56 13 00-0572	EA		12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,221.99	230.22
			<i>For >10 To 20, Deduct</i>	-41.97	
			<i>For >20 To 40, Deduct</i>	-76.33	
			<i>For >40, Deduct</i>	-160.28	
26 56 13 00-0573	EA		14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,288.42	251.15
			<i>For >10 To 20, Deduct</i>	-44.00	
			<i>For >20 To 40, Deduct</i>	-80.14	
			<i>For >40, Deduct</i>	-168.15	
26 56 13 00-0574	EA		16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,312.98	251.15
			<i>For >10 To 20, Deduct</i>	-44.98	
			<i>For >20 To 40, Deduct</i>	-81.86	
			<i>For >40, Deduct</i>	-171.83	
26 56 13 00-0575	EA		18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,379.40	272.08
			<i>For >10 To 20, Deduct</i>	-47.01	
			<i>For >20 To 40, Deduct</i>	-85.68	
			<i>For >40, Deduct</i>	-179.70	
26 56 13 00-0576	EA		20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,447.28	293.01
			<i>For >10 To 20, Deduct</i>	-49.10	
			<i>For >20 To 40, Deduct</i>	-89.59	
			<i>For >40, Deduct</i>	-187.79	
26 56 13 00-0577	EA		22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,564.29	313.93
			<i>For >10 To 20, Deduct</i>	-53.15	
			<i>For >20 To 40, Deduct</i>	-96.94	
			<i>For >40, Deduct</i>	-203.25	
26 56 13 00-0578	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,698.63	334.87
			<i>For >10 To 20, Deduct</i>	-57.90	
			<i>For >20 To 40, Deduct</i>	-105.51	
			<i>For >40, Deduct</i>	-221.31	
26 56 13 00-0579	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,782.44	334.87
			<i>For >10 To 20, Deduct</i>	-61.25	
			<i>For >20 To 40, Deduct</i>	-111.38	
			<i>For >40, Deduct</i>	-233.88	
26 56 13 00-0580	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,909.55	355.79
			<i>For >10 To 20, Deduct</i>	-65.71	
			<i>For >20 To 40, Deduct</i>	-119.44	
			<i>For >40, Deduct</i>	-250.85	
26 56 13 00-0581	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,036.67	376.73
			<i>For >10 To 20, Deduct</i>	-70.17	
			<i>For >20 To 40, Deduct</i>	-127.50	
			<i>For >40, Deduct</i>	-267.83	
26 56 13 00-0582			Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0583	EA		Open Or Capped Top For Fiberglass Area Light Poles	51.23	
26 56 13 00-0584	EA		Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	51.23	
26 56 13 00-0585	EA		Smooth Shaft Finish For Fiberglass Area Light Poles	97.21	
26 56 13 00-0586	EA		Vibration Dampener For Fiberglass Area Light Poles	128.74	
26 56 13 00-0587			Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0588			Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)		
26 56 13 00-0589	EA		28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,945.26	711.59
26 56 13 00-0590	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,105.08	753.45
26 56 13 00-0591	EA		33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,221.28	774.38
26 56 13 00-0592	EA		36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,013.19	795.31
26 56 13 00-0593	EA		38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,460.28	837.16
26 56 13 00-0594	EA		43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,518.16	1,088.32
26 56 13 00-0595	EA		47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	6,609.05	1,339.47
26 56 13 00-0596	EA		27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	6,434.39	711.59
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	7,429.24	753.45
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598	EA		Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	770.68	251.15
26 56 13 00-0599	EA		13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,857.36	502.14
26 56 13 00-0600	EA		Pole Base Cover For All Octagon Poles	299.45	102.47
26 56 13 00-0601	EA		Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	612.97	204.94
26 56 13 00-0602			Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
			Note: Round or square.		
26 56 13 00-0603	EA		13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,184.02	334.87
26 56 13 00-0604	EA		16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,595.98	418.58
26 56 13 00-0605	EA		18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,968.90	502.30
26 56 13 00-0606	EA		30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,527.63	753.45
26 56 13 00-0607	EA		35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,377.65	795.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0608 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	7,296.91	837.16
26 56 13 00-0609 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	8,453.32	1,088.32
26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
26 56 13 00-0611 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	19,115.29	1,883.63
26 56 13 00-0612 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	22,740.14	2,298.77
26 56 13 00-0613 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	27,022.38	3,105.37
26 56 13 00-0614 Treated Wood Area Light Poles (26 56 13 00-0177)		
See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615 Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,626.22	209.30
26 56 13 00-0618 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,721.92	241.10
26 56 13 00-0619 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,863.74	251.15
26 56 13 00-0620 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	2,284.61	293.01
26 56 13 00-0621 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	2,660.14	318.13
26 56 13 00-0622 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	3,053.44	343.24
26 56 13 00-0623 Landscape Light Poles (26 56 13 00-0001)		
Note: Excludes lighting fixtures.		
26 56 13 00-0624 Aluminum Landscape Light Poles (26 56 13 00-0623)		
Note: Includes painted finish.		
26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)		
26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)		
26 56 13 00-0627 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	604.02	251.15
26 56 13 00-0628 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	991.66	334.87
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0625)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	556.15	251.15
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	943.79	334.87
26 56 13 00-0632 Steel Landscape Light Poles (26 56 13 00-0623)		
Note: Includes painted finish.		
26 56 13 00-0633 Round Straight, Steel Landscape Light Poles (26 56 13 00-0632)		
26 56 13 00-0634 Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0633)		
26 56 13 00-0635 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	658.08	251.15
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0633)		
26 56 13 00-0637 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	623.19	251.15
26 56 13 00-0638 Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0639 Light Pole Brackets (26 56 13 00-0638)		
26 56 13 00-0640 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0641 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0642 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
Note: Includes powdercoat finish.		
26 56 13 00-0643 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	725.19	50.23
For Galvanized Finish, Add	62.47	
26 56 13 00-0644 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	913.68	50.23
For Galvanized Finish, Add	81.32	
26 56 13 00-0645 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	971.22	50.23
For Galvanized Finish, Add	87.08	
26 56 13 00-0646 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	1,326.36	50.23
For Galvanized Finish, Add	122.59	
26 56 13 00-0647 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	1,381.67	50.23
For Galvanized Finish, Add	128.12	
26 56 13 00-0648 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
Note: Includes satin brushed or painted finish.		
26 56 13 00-0649 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	286.77	50.23
For Bronze Or Satin Anodized Finish, Add	18.63	
For Black Anodized Finish, Add	37.26	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0650 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	346.21 24.58 49.15	50.23
26 56 13 00-0651 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	362.21 26.18 52.35	50.23
26 56 13 00-0652 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	418.22 31.78 63.55	50.23
26 56 13 00-0653 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	429.65 32.92 65.84	50.23
26 56 13 00-0654 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654) Note: Includes powdercoat finish.		
26 56 13 00-0656 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	779.01 67.86	50.23
26 56 13 00-0657 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket <i>For Galvanized Finish, Add</i>	959.56 85.91	50.23
26 56 13 00-0658 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket <i>For Galvanized Finish, Add</i>	1,171.61 107.12	50.23
26 56 13 00-0659 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket <i>For Galvanized Finish, Add</i>	1,384.65 128.42	50.23
26 56 13 00-0660 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660) Note: Includes powdercoat finish.		
26 56 13 00-0662 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	745.29	83.71
26 56 13 00-0663 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,114.82	83.71
26 56 13 00-0664 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,552.06	83.71
26 56 13 00-0665 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,695.90	83.71
26 56 13 00-0666 Light Pole Arms (26 56 13 00-0638)		
26 56 13 00-0667 Wood Pole Streetlight Arms (26 56 13 00-0666)		
26 56 13 00-0668 Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	438.88	75.35
26 56 13 00-0670 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	465.29	83.71
26 56 13 00-0671 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	541.14	104.65
26 56 13 00-0672 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	642.37	83.71
26 56 13 00-0673 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	717.72	104.65
26 56 13 00-0674 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	870.92	125.57
26 56 13 00-0675 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	295.42	83.71
26 56 13 00-0677 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	361.06	83.71
26 56 13 00-0678 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	480.92	104.65
26 56 13 00-0679 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	627.95	125.57
26 56 13 00-0680 Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681 Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	826.29	83.71
26 56 13 00-0683 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,288.28	92.09
26 56 13 00-0684 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,431.13	100.46
26 56 13 00-0685 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,697.52	108.83
26 56 13 00-0686 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	986.55	104.65
26 56 13 00-0687 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,402.21	113.01
26 56 13 00-0688 Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	353.74	83.71
26 56 13 00-0690 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	436.76	104.65
26 56 13 00-0691 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	522.04	125.57
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	351.45	83.71
26 56 13 00-0693 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	491.65	92.09
26 56 13 00-0694 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	432.19	104.65
26 56 13 00-0695 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	599.80	113.01
26 56 13 00-0696 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	524.33	125.57
26 56 13 00-0697 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	727.38	133.95
26 56 13 00-0698 Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0699 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	2,762.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0700 High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0701 High Mast Lighting Assemblies <small>(26 56 13 00-0700)</small>		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702 EA 60' High Mast Lighting Assembly	57,414.81	2,551.73
26 56 13 00-0703 EA 70' High Mast Lighting Assembly	60,642.88	2,672.55
26 56 13 00-0704 EA 80' High Mast Lighting Assembly	63,918.68	2,847.09
26 56 13 00-0705 EA 90' High Mast Lighting Assembly	67,240.27	3,075.36
26 56 13 00-0706 EA 100' High Mast Lighting Assembly	70,589.44	3,357.23
26 56 13 00-0707 EA 110' High Mast Lighting Assembly	74,900.17	3,693.21
26 56 13 00-0708 EA 120' High Mast Lighting Assembly	78,394.71	4,028.91
26 56 13 00-0709 EA 130' High Mast Lighting Assembly	81,627.78	4,364.61
26 56 13 00-0710 EA 140' High Mast Lighting Assembly	85,122.31	4,700.48
26 56 13 00-0711 EA 150' High Mast Lighting Assembly	89,356.71	5,036.18
26 56 13 00-0712 High Mast Light Poles <small>(26 56 13 00-0700)</small>		
26 56 13 00-0713 EA 60' High Mast Light Poles	22,068.92	1,532.52
26 56 13 00-0714 EA 70' High Mast Light Poles	25,260.70	1,605.11
26 56 13 00-0715 EA 80' High Mast Light Poles	28,484.07	1,709.97
26 56 13 00-0716 EA 90' High Mast Light Poles	31,737.11	1,847.09
26 56 13 00-0717 EA 100' High Mast Light Poles	35,021.74	2,016.47
26 56 13 00-0718 EA 110' High Mast Light Poles	38,337.99	2,218.12
26 56 13 00-0719 EA 120' High Mast Light Poles	40,860.14	2,419.76
26 56 13 00-0720 EA 130' High Mast Light Poles	40,497.48	4,484.63
26 56 13 00-0721 EA 140' High Mast Light Poles	45,641.04	2,823.06
26 56 13 00-0722 EA 150' High Mast Light Poles	48,426.60	3,024.71
26 56 13 00-0723 High Mast Lighting Accessories <small>(26 56 13 00-0700)</small>		
See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724 EA Bottom Latching System For High Mast Lighting	1,018.79	
26 56 13 00-0725 EA Top Latching System For High Mast Lighting	2,861.99	
26 56 13 00-0726 EA Centering Springs For High Mast Lighting	2,167.31	
26 56 13 00-0727 EA Electric Power Cord For High Mast Lighting	916.78	
26 56 13 00-0728 EA Aircraft Warning Lights For High Mast Lighting	1,718.01	
26 56 13 00-0729 EA Internal Motorized Hoist For High Mast Lighting	18,321.06	
26 56 13 00-0730 EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting	18,442.88	
26 56 13 00-0731 Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0732 Concrete Bases, Cast In Place <small>(26 56 13 00-0731)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733 EA Cast In Place Concrete Base For Poles Minimum Charge	354.67	
Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734 VLF 1-1/2' Diameter Concrete Base For Poles	68.55	
26 56 13 00-0735 VLF 2' Diameter Concrete Base For Poles.....	96.83	
26 56 13 00-0736 VLF 2-1/2' Diameter Concrete Base For Poles	131.62	
26 56 13 00-0737 VLF 3' Diameter Concrete Base For Poles.....	173.76	
26 56 13 00-0738 VLF 3-1/2' Diameter Concrete Base For Poles	231.14	
26 56 13 00-0739 VLF 4' Diameter Concrete Base For Poles.....	291.11	
26 56 13 00-0740 VLF 5' Diameter Concrete Base For Poles.....	425.64	
26 56 13 00-0741 VLF 6' Diameter Concrete Base For Poles.....	588.28	
26 56 18 Incandescent Exterior Lighting <small>(26 56)</small>		
26 56 18 00-0001 Exterior Globe <small>(26 56 18)</small>		
26 56 18 00-0002 Incandescent, Exterior Globe <small>(26 56 18 00-0001)</small>		
26 56 18 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	70.49	28.11
26 56 18 00-0004 EA 150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	102.16	28.11
26 56 18 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	80.15	28.11
26 56 18 00-0006 EA 150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	105.88	28.11
26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 18)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	311.66	112.45
26 56 18 00-0009 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	325.77	119.47
26 56 18 00-0010 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	356.82	126.49
26 56 18 00-0011 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	352.13	140.55
26 56 18 00-0012 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	397.86	161.63



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 LED Exterior Lighting <small>(26 56)</small>		
26 56 19 00-0001 LED, Wall Packs <small>(26 56 19)</small>		
26 56 19 00-0002 Full Cutoff, LED Wall Packs <small>(26 56 19 00-0001)</small>		
26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0004 EA 30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,022.77	147.60
<i>For >50 To 100, Deduct</i>	-51.14	
<i>For >100 To 250, Deduct</i>	-76.71	
<i>For >250 To 500, Deduct</i>	-120.47	
<i>For >500 To 1000, Deduct</i>	-164.22	
<i>For >1000, Deduct</i>	-207.98	
26 56 19 00-0005 EA 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,101.75	147.60
<i>For >50 To 100, Deduct</i>	-55.09	
<i>For >100 To 250, Deduct</i>	-82.63	
<i>For >250 To 500, Deduct</i>	-130.34	
<i>For >500 To 1000, Deduct</i>	-178.05	
<i>For >1000, Deduct</i>	-225.75	
26 56 19 00-0006 Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0007 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 19 00-0006)</small>		
<small>Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 19 00-0008 EA 20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,101.65	143.39
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Bird Spikes, Add</i>	56.85	
<i>For Fuse, Add</i>	67.48	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For 480 Volt, Add</i>	101.23	
<i>For Multi-Level, Add</i>	146.21	
<i>For >50 To 100, Deduct</i>	-55.08	
<i>For >100 To 250, Deduct</i>	-82.62	
<i>For >250 To 500, Deduct</i>	-130.54	
<i>For >500 To 1000, Deduct</i>	-178.45	
<i>For >1000, Deduct</i>	-226.36	
26 56 19 00-0009 EA 40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,413.77	151.82
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Bird Spikes, Add</i>	57.69	
<i>For Fuse, Add</i>	67.48	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For 480 Volt, Add</i>	101.23	
<i>For Multi-Level, Add</i>	146.21	
<i>For >50 To 100, Deduct</i>	-70.69	
<i>For >100 To 250, Deduct</i>	-106.03	
<i>For >250 To 500, Deduct</i>	-169.13	
<i>For >500 To 1000, Deduct</i>	-232.23	
<i>For >1000, Deduct</i>	-295.33	
26 56 19 00-0010 EA 60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,583.15	160.24
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Bird Spikes, Add</i>	58.54	
<i>For Fuse, Add</i>	67.48	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For 480 Volt, Add</i>	101.23	
<i>For Multi-Level, Add</i>	146.21	
<i>For >50 To 100, Deduct</i>	-79.16	
<i>For >100 To 250, Deduct</i>	-118.74	
<i>For >250 To 500, Deduct</i>	-189.88	
<i>For >500 To 1000, Deduct</i>	-261.03	
<i>For >1000, Deduct</i>	-332.17	
26 56 19 00-0011 EA 80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,038.02	168.68
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Bird Spikes, Add</i>	59.38	
<i>For Fuse, Add</i>	67.48	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For 480 Volt, Add</i>	101.23	
<i>For Multi-Level, Add</i>	146.21	
<i>For >50 To 100, Deduct</i>	-101.90	
<i>For >100 To 250, Deduct</i>	-152.85	
<i>For >250 To 500, Deduct</i>	-246.32	
<i>For >500 To 1000, Deduct</i>	-339.79	
<i>For >1000, Deduct</i>	-433.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0012	EA		100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,350.14	177.11
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Bird Spikes, Add</i>	60.22	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-117.51	
			<i>For >100 To 250, Deduct</i>	-176.26	
			<i>For >250 To 500, Deduct</i>	-284.91	
			<i>For >500 To 1000, Deduct</i>	-393.56	
			<i>For >1000, Deduct</i>	-502.21	
26 56 19 00-0013	EA		120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,662.27	185.55
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Bird Spikes, Add</i>	61.07	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-133.11	
			<i>For >100 To 250, Deduct</i>	-199.67	
			<i>For >250 To 500, Deduct</i>	-323.51	
			<i>For >500 To 1000, Deduct</i>	-447.34	
			<i>For >1000, Deduct</i>	-571.18	
26 56 19 00-0014			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) ^(26 56 19 00-0006) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0015	EA		25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	663.21	143.39
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Multi-Level, Add</i>	67.48	
			<i>For >50 To 100, Deduct</i>	-33.16	
			<i>For >100 To 250, Deduct</i>	-49.74	
			<i>For >250 To 500, Deduct</i>	-75.73	
			<i>For >500 To 1000, Deduct</i>	-101.72	
			<i>For >1000, Deduct</i>	-127.72	
26 56 19 00-0016	EA		42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	767.91	151.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Multi-Level, Add</i>	67.48	
			<i>For >50 To 100, Deduct</i>	-38.40	
			<i>For >100 To 250, Deduct</i>	-57.59	
			<i>For >250 To 500, Deduct</i>	-88.40	
			<i>For >500 To 1000, Deduct</i>	-119.20	
			<i>For >1000, Deduct</i>	-150.01	
26 56 19 00-0017			Full Cutoff, LED Wall Packs (McGraw-Edison) ^(26 56 19 00-0002)		
26 56 19 00-0018	EA		One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,341.09	143.39
26 56 19 00-0019	EA		Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,657.32	151.82
26 56 19 00-0020	EA		One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,356.50	143.39
26 56 19 00-0021	EA		Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,798.19	151.82
26 56 19 00-0022			Open Face LED Wall Pack ^(26 56 19 00-0001) Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0023	EA		3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	842.54	153.82
			<i>For >50 To 100, Deduct</i>	-42.13	
			<i>For >100 To 250, Deduct</i>	-63.19	
			<i>For >250 To 500, Deduct</i>	-93.78	
			<i>For >500 To 1000, Deduct</i>	-124.37	
			<i>For >1000, Deduct</i>	-154.96	
26 56 19 00-0024	EA		5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	898.92	153.82
			<i>For >50 To 100, Deduct</i>	-44.95	
			<i>For >100 To 250, Deduct</i>	-67.42	
			<i>For >250 To 500, Deduct</i>	-100.83	
			<i>For >500 To 1000, Deduct</i>	-134.24	
			<i>For >1000, Deduct</i>	-167.65	
26 56 19 00-0025	EA		7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	928.45	153.82
			<i>For >50 To 100, Deduct</i>	-46.42	
			<i>For >100 To 250, Deduct</i>	-69.63	
			<i>For >250 To 500, Deduct</i>	-104.52	
			<i>For >500 To 1000, Deduct</i>	-139.41	
			<i>For >1000, Deduct</i>	-174.29	
26 56 19 00-0026	EA		11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	952.39	153.82
			<i>For >50 To 100, Deduct</i>	-47.62	
			<i>For >100 To 250, Deduct</i>	-71.43	
			<i>For >250 To 500, Deduct</i>	-107.51	
			<i>For >500 To 1000, Deduct</i>	-143.60	
			<i>For >1000, Deduct</i>	-179.68	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0027 EA 16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	1,132.00	153.82
For >50 To 100, Deduct	-56.60	
For >100 To 250, Deduct	-84.90	
For >250 To 500, Deduct	-129.96	
For >500 To 1000, Deduct	-175.03	
For >1000, Deduct	-220.09	
26 56 19 00-0028 Wall Pack Accessories (26 56 19 00-0001)		
26 56 19 00-0029 EA Photocell For Wall Pack.....	154.48	38.46
26 56 19 00-0030 EA Wire Guard For Mini And Small Wall Pack	170.70	38.46
26 56 19 00-0031 EA Wire Guard For Medium And Large Wall Pack	238.52	38.46
26 56 19 00-0032 EA Clear Polycarbonate Vandal Guard For Wall Packs	336.38	38.46
26 56 19 00-0033 EA Full Cutoff Visor For Wall Pack	166.28	38.46
26 56 19 00-0034 LED, Roadway Lighting (26 56 19)		
26 56 19 00-0035 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0034)		
26 56 19 00-0036 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0035)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0037 EA 49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	1,680.31	202.85
For >50 To 100, Deduct	-84.02	
For >100 To 250, Deduct	-126.02	
For >250 To 500, Deduct	-199.90	
For >500 To 1000, Deduct	-273.77	
For >1000, Deduct	-347.64	
26 56 19 00-0038 EA 98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,591.46	208.32
For >50 To 100, Deduct	-129.57	
For >100 To 250, Deduct	-194.36	
For >250 To 500, Deduct	-313.52	
For >500 To 1000, Deduct	-432.67	
For >1000, Deduct	-551.83	
26 56 19 00-0039 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) (26 56 19 00-0035)		
Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0040 EA 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	1,237.82	202.85
For >50 To 100, Deduct	-61.89	
For >100 To 250, Deduct	-92.84	
For >250 To 500, Deduct	-144.59	
For >500 To 1000, Deduct	-196.33	
For >1000, Deduct	-248.08	
26 56 19 00-0041 EA 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,237.82	202.85
For >50 To 100, Deduct	-61.89	
For >100 To 250, Deduct	-92.84	
For >250 To 500, Deduct	-144.59	
For >500 To 1000, Deduct	-196.33	
For >1000, Deduct	-248.08	
26 56 19 00-0042 EA 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,237.82	202.85
For >50 To 100, Deduct	-61.89	
For >100 To 250, Deduct	-92.84	
For >250 To 500, Deduct	-144.59	
For >500 To 1000, Deduct	-196.33	
For >1000, Deduct	-248.08	
26 56 19 00-0043 LED Roadway Lighting (Lithonia) (26 56 19 00-0034)		
26 56 19 00-0044 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0043)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0045 EA 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,410.68	191.88
For >50 To 100, Deduct	-120.53	
For >100 To 250, Deduct	-180.80	
For >250 To 500, Deduct	-291.74	
For >500 To 1000, Deduct	-402.68	
For >1000, Deduct	-513.62	
26 56 19 00-0046 EA 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	3,950.72	197.36
For >50 To 100, Deduct	-197.54	
For >100 To 250, Deduct	-296.30	
For >250 To 500, Deduct	-483.97	
For >500 To 1000, Deduct	-671.64	
For >1000, Deduct	-859.31	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0047			LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0034)</small>		
26 56 19 00-0048			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0047)</small>		
			Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0049	EA		20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,025.10	186.39
			For >50 To 100, Deduct	-51.26	
			For >100 To 250, Deduct	-76.88	
			For >250 To 500, Deduct	-118.82	
			For >500 To 1000, Deduct	-160.75	
			For >1000, Deduct	-202.69	
26 56 19 00-0050	EA		30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,146.68	191.88
			For >50 To 100, Deduct	-57.33	
			For >100 To 250, Deduct	-86.00	
			For >250 To 500, Deduct	-133.74	
			For >500 To 1000, Deduct	-181.48	
			For >1000, Deduct	-229.22	
26 56 19 00-0051	EA		40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,293.07	197.36
			For >50 To 100, Deduct	-64.65	
			For >100 To 250, Deduct	-96.98	
			For >250 To 500, Deduct	-151.77	
			For >500 To 1000, Deduct	-206.55	
			For >1000, Deduct	-261.34	
26 56 19 00-0052	EA		50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,416.56	202.85
			For >50 To 100, Deduct	-70.83	
			For >100 To 250, Deduct	-106.24	
			For >250 To 500, Deduct	-166.93	
			For >500 To 1000, Deduct	-227.61	
			For >1000, Deduct	-288.30	
26 56 19 00-0053	EA		60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,540.05	208.32
			For >50 To 100, Deduct	-77.00	
			For >100 To 250, Deduct	-115.50	
			For >250 To 500, Deduct	-182.09	
			For >500 To 1000, Deduct	-248.68	
			For >1000, Deduct	-315.26	
26 56 19 00-0054	EA		70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,831.41	213.81
			For >50 To 100, Deduct	-91.57	
			For >100 To 250, Deduct	-137.36	
			For >250 To 500, Deduct	-218.24	
			For >500 To 1000, Deduct	-299.12	
			For >1000, Deduct	-380.00	
26 56 19 00-0055	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,954.90	219.29
			For >50 To 100, Deduct	-97.75	
			For >100 To 250, Deduct	-146.62	
			For >250 To 500, Deduct	-233.40	
			For >500 To 1000, Deduct	-320.18	
			For >1000, Deduct	-406.96	
26 56 19 00-0056	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,076.50	224.77
			For >50 To 100, Deduct	-103.83	
			For >100 To 250, Deduct	-155.74	
			For >250 To 500, Deduct	-248.32	
			For >500 To 1000, Deduct	-340.91	
			For >1000, Deduct	-433.50	
26 56 19 00-0057	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,312.52	230.25
			For >50 To 100, Deduct	-115.63	
			For >100 To 250, Deduct	-173.44	
			For >250 To 500, Deduct	-277.55	
			For >500 To 1000, Deduct	-381.67	
			For >1000, Deduct	-485.78	
26 56 19 00-0058	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,436.01	235.74
			For >50 To 100, Deduct	-121.80	
			For >100 To 250, Deduct	-182.70	
			For >250 To 500, Deduct	-292.71	
			For >500 To 1000, Deduct	-402.73	
			For >1000, Deduct	-512.74	
26 56 19 00-0059	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,559.52	241.21
			For >50 To 100, Deduct	-127.98	
			For >100 To 250, Deduct	-191.96	
			For >250 To 500, Deduct	-307.88	
			For >500 To 1000, Deduct	-423.79	
			For >1000, Deduct	-539.71	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0047)</small> Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0061 EA 40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,989.24	197.36
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<i>For >50 To 100, Deduct</i>	-99.46	
<i>For >100 To 250, Deduct</i>	-149.19	
<i>For >250 To 500, Deduct</i>	-238.79	
<i>For >500 To 1000, Deduct</i>	-328.38	
<i>For >1000, Deduct</i>	-417.98	
26 56 19 00-0062 EA 60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,291.54	208.32
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<i>For >50 To 100, Deduct</i>	-114.58	
<i>For >100 To 250, Deduct</i>	-171.87	
<i>For >250 To 500, Deduct</i>	-276.03	
<i>For >500 To 1000, Deduct</i>	-380.19	
<i>For >1000, Deduct</i>	-484.35	
26 56 19 00-0063 EA 80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,593.86	219.29
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<i>For >50 To 100, Deduct</i>	-129.69	
<i>For >100 To 250, Deduct</i>	-194.54	
<i>For >250 To 500, Deduct</i>	-313.27	
<i>For >500 To 1000, Deduct</i>	-432.00	
<i>For >1000, Deduct</i>	-550.73	
26 56 19 00-0064 EA 100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,896.16	230.25
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<i>For >50 To 100, Deduct</i>	-144.81	
<i>For >100 To 250, Deduct</i>	-217.21	
<i>For >250 To 500, Deduct</i>	-350.51	
<i>For >500 To 1000, Deduct</i>	-483.80	
<i>For >1000, Deduct</i>	-617.10	
26 56 19 00-0065 EA 120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,793.56	241.21
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<i>For >50 To 100, Deduct</i>	-189.68	
<i>For >100 To 250, Deduct</i>	-284.52	
<i>For >250 To 500, Deduct</i>	-462.13	
<i>For >500 To 1000, Deduct</i>	-639.75	
<i>For >1000, Deduct</i>	-817.37	
26 56 19 00-0066 EA 140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,095.86	252.18
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<i>For >50 To 100, Deduct</i>	-204.79	
<i>For >100 To 250, Deduct</i>	-307.19	
<i>For >250 To 500, Deduct</i>	-499.37	
<i>For >500 To 1000, Deduct</i>	-691.56	
<i>For >1000, Deduct</i>	-883.74	
26 56 19 00-0067 EA 160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,398.16	263.15
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<i>For >50 To 100, Deduct</i>	-219.91	
<i>For >100 To 250, Deduct</i>	-329.86	
<i>For >250 To 500, Deduct</i>	-536.61	
<i>For >500 To 1000, Deduct</i>	-743.36	
<i>For >1000, Deduct</i>	-950.11	
26 56 19 00-0068 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0047)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0069 EA 4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	864.76	197.36
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Backlight Control Shield, Add</i>	41.01	
<i>For Field Adjustable Output, Add</i>	33.75	
<i>For Bird Spikes, Add</i>	62.25	
<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
<i>For Fuse, Add</i>	67.48	
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
<i>For 480 Volt, Add</i>	101.23	
<i>For Multi-Level, Add</i>	146.21	
<i>For >50 To 100, Deduct</i>	-43.24	
<i>For >100 To 250, Deduct</i>	-64.86	
<i>For >250 To 500, Deduct</i>	-98.23	
<i>For >500 To 1000, Deduct</i>	-131.60	
<i>For >1000, Deduct</i>	-164.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0070	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	864.76	197.36
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	41.01	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	62.25	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-43.24	
			<i>For >100 To 250, Deduct</i>	-64.86	
			<i>For >250 To 500, Deduct</i>	-98.23	
			<i>For >500 To 1000, Deduct</i>	-131.60	
			<i>For >1000, Deduct</i>	-164.97	
26 56	19 00-0071	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	949.79	197.36
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	41.01	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	62.25	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For >50 To 100, Deduct</i>	-47.49	
			<i>For >100 To 250, Deduct</i>	-71.23	
			<i>For >250 To 500, Deduct</i>	-108.86	
			<i>For >500 To 1000, Deduct</i>	-146.48	
			<i>For >1000, Deduct</i>	-184.10	
26 56	19 00-0072	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	949.79	197.36
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	41.01	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	62.25	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For >50 To 100, Deduct</i>	-47.49	
			<i>For >100 To 250, Deduct</i>	-71.23	
			<i>For >250 To 500, Deduct</i>	-108.86	
			<i>For >500 To 1000, Deduct</i>	-146.48	
			<i>For >1000, Deduct</i>	-184.10	
26 56	19 00-0073	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,100.95	197.36
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	57.52	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	100.06	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-55.05	
			<i>For >100 To 250, Deduct</i>	-82.57	
			<i>For >250 To 500, Deduct</i>	-127.75	
			<i>For >500 To 1000, Deduct</i>	-172.93	
			<i>For >1000, Deduct</i>	-218.11	
26 56	19 00-0074	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,100.95	197.36
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	57.52	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	100.06	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-55.05	
			<i>For >100 To 250, Deduct</i>	-82.57	
			<i>For >250 To 500, Deduct</i>	-127.75	
			<i>For >500 To 1000, Deduct</i>	-172.93	
			<i>For >1000, Deduct</i>	-218.11	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0075 EA 13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,242.68	197.36
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Field Adjustable Output, Add</i>	33.75	
<i>For Backlight Control Shield, Add</i>	57.52	
<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
<i>For Bird Spikes, Add</i>	100.06	
<i>For 480 Volt, Add</i>	101.23	
<i>For >50 To 100, Deduct</i>	-62.13	
<i>For >100 To 250, Deduct</i>	-93.20	
<i>For >250 To 500, Deduct</i>	-145.47	
<i>For >500 To 1000, Deduct</i>	-197.73	
<i>For >1000, Deduct</i>	-250.00	
26 56 19 00-0076 EA 14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,242.68	197.36
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Field Adjustable Output, Add</i>	33.75	
<i>For Backlight Control Shield, Add</i>	57.52	
<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
<i>For Bird Spikes, Add</i>	100.06	
<i>For 480 Volt, Add</i>	101.23	
<i>For >50 To 100, Deduct</i>	-62.13	
<i>For >100 To 250, Deduct</i>	-93.20	
<i>For >250 To 500, Deduct</i>	-145.47	
<i>For >500 To 1000, Deduct</i>	-197.73	
<i>For >1000, Deduct</i>	-250.00	
26 56 19 00-0077 EA 2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	713.59	197.36
<i>For Utility Label, Add</i>	11.24	
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For >50 To 100, Deduct</i>	-35.68	
<i>For >100 To 250, Deduct</i>	-53.52	
<i>For >250 To 500, Deduct</i>	-79.33	
<i>For >500 To 1000, Deduct</i>	-105.14	
<i>For >1000, Deduct</i>	-130.95	
26 56 19 00-0078 EA 2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	713.59	197.36
<i>For Utility Label, Add</i>	11.24	
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For >50 To 100, Deduct</i>	-35.68	
<i>For >100 To 250, Deduct</i>	-53.52	
<i>For >250 To 500, Deduct</i>	-79.33	
<i>For >500 To 1000, Deduct</i>	-105.14	
<i>For >1000, Deduct</i>	-130.95	
26 56 19 00-0079 EA 3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	749.02	197.36
<i>For Utility Label, Add</i>	11.24	
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For >50 To 100, Deduct</i>	-37.45	
<i>For >100 To 250, Deduct</i>	-56.18	
<i>For >250 To 500, Deduct</i>	-83.76	
<i>For >500 To 1000, Deduct</i>	-111.34	
<i>For >1000, Deduct</i>	-138.93	
26 56 19 00-0080 EA 4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	749.02	197.36
<i>For Utility Label, Add</i>	11.24	
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For >50 To 100, Deduct</i>	-37.45	
<i>For >100 To 250, Deduct</i>	-56.18	
<i>For >250 To 500, Deduct</i>	-83.76	
<i>For >500 To 1000, Deduct</i>	-111.34	
<i>For >1000, Deduct</i>	-138.93	
26 56 19 00-0081 EA 4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	760.83	197.36
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
<i>For Field Adjustable Output, Add</i>	33.75	
<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
<i>For >50 To 100, Deduct</i>	-38.04	
<i>For >100 To 250, Deduct</i>	-57.06	
<i>For >250 To 500, Deduct</i>	-85.24	
<i>For >500 To 1000, Deduct</i>	-113.41	
<i>For >1000, Deduct</i>	-141.58	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0082 EA 4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	760.83	197.36
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Field Adjustable Output, Add	33.75	
For Field Adjustable Output And Utility Label, Add	44.99	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For >50 To 100, Deduct	-38.04	
For >100 To 250, Deduct	-57.06	
For >250 To 500, Deduct	-85.24	
For >500 To 1000, Deduct	-113.41	
For >1000, Deduct	-141.58	
26 56 19 00-0083 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <small>(26 56 19 00-0047)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0084 EA 3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	737.22	197.36
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	75.98	
For Bird Spikes, Add	100.72	
For >50 To 100, Deduct	-36.86	
For >100 To 250, Deduct	-55.29	
For >250 To 500, Deduct	-82.28	
For >500 To 1000, Deduct	-109.28	
For >1000, Deduct	-136.27	
26 56 19 00-0085 EA 3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	737.22	197.36
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	75.98	
For Bird Spikes, Add	100.72	
For >50 To 100, Deduct	-36.86	
For >100 To 250, Deduct	-55.29	
For >250 To 500, Deduct	-82.28	
For >500 To 1000, Deduct	-109.28	
For >1000, Deduct	-136.27	
26 56 19 00-0086 EA 5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	760.83	197.36
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	75.98	
For Bird Spikes, Add	100.72	
For >50 To 100, Deduct	-38.04	
For >100 To 250, Deduct	-57.06	
For >250 To 500, Deduct	-85.24	
For >500 To 1000, Deduct	-113.41	
For >1000, Deduct	-141.58	
26 56 19 00-0087 EA 5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	760.83	197.36
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	75.98	
For Bird Spikes, Add	100.72	
For >50 To 100, Deduct	-38.04	
For >100 To 250, Deduct	-57.06	
For >250 To 500, Deduct	-85.24	
For >500 To 1000, Deduct	-113.41	
For >1000, Deduct	-141.58	
26 56 19 00-0088 LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0034)</small>		
26 56 19 00-0089 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0088)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0090 EA 1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,091.74	197.36
For >50 To 100, Deduct	-54.59	
For >100 To 250, Deduct	-81.88	
For >250 To 500, Deduct	-126.60	
For >500 To 1000, Deduct	-171.32	
For >1000, Deduct	-216.04	
26 56 19 00-0091 EA 2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,465.62	219.29
For >50 To 100, Deduct	-73.28	
For >100 To 250, Deduct	-109.92	
For >250 To 500, Deduct	-172.24	
For >500 To 1000, Deduct	-234.55	
For >1000, Deduct	-296.87	
26 56 19 00-0092 EA 3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,577.07	252.18
For >50 To 100, Deduct	-78.85	
For >100 To 250, Deduct	-118.28	
For >250 To 500, Deduct	-184.52	
For >500 To 1000, Deduct	-250.77	
For >1000, Deduct	-317.01	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0093 EA 4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,316.87	274.12
For >50 To 100, Deduct	-115.84	
For >100 To 250, Deduct	-173.77	
For >250 To 500, Deduct	-275.90	
For >500 To 1000, Deduct	-378.04	
For >1000, Deduct	-480.18	
26 56 19 00-0094 EA 6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	3,024.79	312.07
For >50 To 100, Deduct	-151.24	
For >100 To 250, Deduct	-226.86	
For >250 To 500, Deduct	-362.50	
For >500 To 1000, Deduct	-498.13	
For >1000, Deduct	-633.77	
26 56 19 00-0095 LED Roadway Lighting (PlanLED) (26 56 19 00-0034)		
26 56 19 00-0096 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 19 00-0095)		
Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0097 EA 8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,298.84	191.88
For >50 To 100, Deduct	-64.94	
For >100 To 250, Deduct	-97.41	
For >250 To 500, Deduct	-152.76	
For >500 To 1000, Deduct	-208.11	
For >1000, Deduct	-263.46	
26 56 19 00-0098 EA 11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,408.50	193.98
For >50 To 100, Deduct	-70.43	
For >100 To 250, Deduct	-105.64	
For >250 To 500, Deduct	-166.36	
For >500 To 1000, Deduct	-227.09	
For >1000, Deduct	-287.81	
26 56 19 00-0099 EA 15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,495.36	197.36
For >50 To 100, Deduct	-74.77	
For >100 To 250, Deduct	-112.15	
For >250 To 500, Deduct	-177.05	
For >500 To 1000, Deduct	-241.95	
For >1000, Deduct	-306.85	
26 56 19 00-0100 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) (26 56 19 00-0095)		
Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0101 EA 7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	874.20	187.24
For >50 To 100, Deduct	-43.71	
For >100 To 250, Deduct	-65.57	
For >250 To 500, Deduct	-99.91	
For >500 To 1000, Deduct	-134.26	
For >1000, Deduct	-168.61	
26 56 19 00-0102 EA 10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	933.65	190.62
For >50 To 100, Deduct	-46.68	
For >100 To 250, Deduct	-70.02	
For >250 To 500, Deduct	-107.18	
For >500 To 1000, Deduct	-144.33	
For >1000, Deduct	-181.48	
26 56 19 00-0103 EA 12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	1,026.86	193.98
For >50 To 100, Deduct	-51.34	
For >100 To 250, Deduct	-77.01	
For >250 To 500, Deduct	-118.66	
For >500 To 1000, Deduct	-160.30	
For >1000, Deduct	-201.95	
26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) (26 56 19 00-0095)		
Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0105 EA 13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,088.00	193.98
For 0 To 10 Volt Dimming, Add	91.12	
For 480 Volt, Add	91.12	
For >50 To 100, Deduct	-54.40	
For >100 To 250, Deduct	-81.60	
For >250 To 500, Deduct	-126.30	
For >500 To 1000, Deduct	-171.00	
For >1000, Deduct	-215.70	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0106 EA 16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,201.02	195.68
For 0 To 10 Volt Dimming, Add	91.12	
For 480 Volt, Add	27.52	
For >50 To 100, Deduct	-60.05	
For >100 To 250, Deduct	-90.08	
For >250 To 500, Deduct	-140.34	
For >500 To 1000, Deduct	-190.61	
For >1000, Deduct	-240.88	
26 56 19 00-0107 EA 19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,288.73	197.36
For 0 To 10 Volt Dimming, Add	91.12	
For 480 Volt, Add	113.84	
For >50 To 100, Deduct	-64.44	
For >100 To 250, Deduct	-96.65	
For >250 To 500, Deduct	-151.22	
For >500 To 1000, Deduct	-205.79	
For >1000, Deduct	-260.36	
26 56 19 00-0108 LED Roadway Lighting (General Electric) <small>(26 56 19 00-0034)</small>		
26 56 19 00-0109 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)		
<small>(26 56 19 00-0108)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0110 EA 2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY).....	680.74	186.39
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-34.04	
For >100 To 250, Deduct	-51.06	
For >250 To 500, Deduct	-75.77	
For >500 To 1000, Deduct	-100.49	
For >1000, Deduct	-125.21	
26 56 19 00-0111 EA 3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY).....	685.80	188.92
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-34.29	
For >100 To 250, Deduct	-51.44	
For >250 To 500, Deduct	-76.28	
For >500 To 1000, Deduct	-101.12	
For >1000, Deduct	-125.97	
26 56 19 00-0112 EA 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY).....	713.01	191.88
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-35.65	
For >100 To 250, Deduct	-53.48	
For >250 To 500, Deduct	-79.53	
For >500 To 1000, Deduct	-105.59	
For >1000, Deduct	-131.65	
26 56 19 00-0113 EA 5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY).....	740.48	193.98
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-37.02	
For >100 To 250, Deduct	-55.54	
For >250 To 500, Deduct	-82.86	
For >500 To 1000, Deduct	-110.19	
For >1000, Deduct	-137.51	
26 56 19 00-0114 EA 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY).....	812.82	198.21
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-40.64	
For >100 To 250, Deduct	-60.96	
For >250 To 500, Deduct	-91.69	
For >500 To 1000, Deduct	-122.42	
For >1000, Deduct	-153.15	
26 56 19 00-0115 EA 8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY).....	851.06	199.89
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-42.55	
For >100 To 250, Deduct	-63.83	
For >250 To 500, Deduct	-96.39	
For >500 To 1000, Deduct	-128.95	
For >1000, Deduct	-161.50	
26 56 19 00-0116 EA 9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY).....	922.81	202.85
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-46.14	
For >100 To 250, Deduct	-69.21	
For >250 To 500, Deduct	-105.21	
For >500 To 1000, Deduct	-141.21	
For >1000, Deduct	-177.21	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0117	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	1,075.15	208.32
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-53.76	
			<i>For >100 To 250, Deduct</i>	-80.64	
			<i>For >250 To 500, Deduct</i>	-123.98	
			<i>For >500 To 1000, Deduct</i>	-167.32	
			<i>For >1000, Deduct</i>	-210.66	
26 56 19 00-0118	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	1,252.04	219.29
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-62.60	
			<i>For >100 To 250, Deduct</i>	-93.90	
			<i>For >250 To 500, Deduct</i>	-145.54	
			<i>For >500 To 1000, Deduct</i>	-197.18	
			<i>For >1000, Deduct</i>	-248.82	
26 56 19 00-0119			LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0034)		
26 56 19 00-0120			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0119)		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0121	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,260.89	191.88
			<i>For >50 To 100, Deduct</i>	-63.04	
			<i>For >100 To 250, Deduct</i>	-94.57	
			<i>For >250 To 500, Deduct</i>	-148.02	
			<i>For >500 To 1000, Deduct</i>	-201.47	
			<i>For >1000, Deduct</i>	-254.92	
26 56 19 00-0122	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,553.14	197.36
			<i>For >50 To 100, Deduct</i>	-77.66	
			<i>For >100 To 250, Deduct</i>	-116.49	
			<i>For >250 To 500, Deduct</i>	-184.27	
			<i>For >500 To 1000, Deduct</i>	-252.06	
			<i>For >1000, Deduct</i>	-319.85	
26 56 19 00-0123	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	2,143.46	202.85
			<i>For >50 To 100, Deduct</i>	-107.17	
			<i>For >100 To 250, Deduct</i>	-160.76	
			<i>For >250 To 500, Deduct</i>	-257.79	
			<i>For >500 To 1000, Deduct</i>	-354.82	
			<i>For >1000, Deduct</i>	-451.85	
26 56 19 00-0124	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,738.69	210.85
			<i>For >50 To 100, Deduct</i>	-136.93	
			<i>For >100 To 250, Deduct</i>	-205.40	
			<i>For >250 To 500, Deduct</i>	-331.79	
			<i>For >500 To 1000, Deduct</i>	-458.19	
			<i>For >1000, Deduct</i>	-584.58	
26 56 19 00-0125	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,319.81	216.76
			<i>For >50 To 100, Deduct</i>	-165.99	
			<i>For >100 To 250, Deduct</i>	-248.99	
			<i>For >250 To 500, Deduct</i>	-404.14	
			<i>For >500 To 1000, Deduct</i>	-559.29	
			<i>For >1000, Deduct</i>	-714.44	
26 56 19 00-0126			LED Roadway Lighting (Leotek) (26 56 19 00-0034)		
26 56 19 00-0127			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0126)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0128	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	696.93	191.88
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.68	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.05	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	51.98	
			<i>For >50 To 100, Deduct</i>	-34.85	
			<i>For >100 To 250, Deduct</i>	-52.27	
			<i>For >250 To 500, Deduct</i>	-77.52	
			<i>For >500 To 1000, Deduct</i>	-102.78	
			<i>For >1000, Deduct</i>	-128.03	
26 56 19 00-0129	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	711.33	193.98
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.68	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.05	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	51.98	
			<i>For >50 To 100, Deduct</i>	-35.57	
			<i>For >100 To 250, Deduct</i>	-53.35	
			<i>For >250 To 500, Deduct</i>	-79.22	
			<i>For >500 To 1000, Deduct</i>	-105.08	
			<i>For >1000, Deduct</i>	-130.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0130	EA	Up To 9,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	754.53	195.25
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.68	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
			For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
			For >50 To 100, Deduct	-37.73	
			For >100 To 250, Deduct	-56.59	
			For >250 To 500, Deduct	-84.55	
			For >500 To 1000, Deduct	-112.52	
			For >1000, Deduct	-140.48	
26 56	19 00-0131	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	867.32	202.85
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.68	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
			For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
			For >50 To 100, Deduct	-43.37	
			For >100 To 250, Deduct	-65.05	
			For >250 To 500, Deduct	-98.27	
			For >500 To 1000, Deduct	-131.50	
			For >1000, Deduct	-164.72	
26 56	19 00-0132	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	1,004.36	208.32
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.68	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
			For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
			For >50 To 100, Deduct	-50.22	
			For >100 To 250, Deduct	-75.33	
			For >250 To 500, Deduct	-115.13	
			For >500 To 1000, Deduct	-154.93	
			For >1000, Deduct	-194.73	
26 56	19 00-0133	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	1,011.12	211.70
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.68	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
			For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
			For >50 To 100, Deduct	-50.56	
			For >100 To 250, Deduct	-75.83	
			For >250 To 500, Deduct	-115.81	
			For >500 To 1000, Deduct	-155.78	
			For >1000, Deduct	-195.75	
26 56	19 00-0134	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	1,223.27	215.07
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.68	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
			For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
			For >50 To 100, Deduct	-61.16	
			For >100 To 250, Deduct	-91.75	
			For >250 To 500, Deduct	-142.16	
			For >500 To 1000, Deduct	-192.56	
			For >1000, Deduct	-242.97	
26 56	19 00-0135	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	1,280.51	219.29
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.68	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
			For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
			For >50 To 100, Deduct	-64.03	
			For >100 To 250, Deduct	-96.04	
			For >250 To 500, Deduct	-149.10	
			For >500 To 1000, Deduct	-202.16	
			For >1000, Deduct	-255.22	
26 56	19 00-0136	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	1,421.47	222.66
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.68	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
			For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
			For >50 To 100, Deduct	-71.07	
			For >100 To 250, Deduct	-106.61	
			For >250 To 500, Deduct	-166.55	
			For >500 To 1000, Deduct	-226.49	
			For >1000, Deduct	-286.43	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137 EA Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	1,519.74	226.04
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-75.99	
For >100 To 250, Deduct	-113.98	
For >250 To 500, Deduct	-178.67	
For >500 To 1000, Deduct	-243.35	
For >1000, Deduct	-308.04	
26 56 19 00-0138 EA Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	796.74	193.98
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-39.84	
For >100 To 250, Deduct	-59.76	
For >250 To 500, Deduct	-89.89	
For >500 To 1000, Deduct	-120.03	
For >1000, Deduct	-150.17	
26 56 19 00-0139 EA Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	869.89	199.05
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-43.49	
For >100 To 250, Deduct	-65.24	
For >250 To 500, Deduct	-98.78	
For >500 To 1000, Deduct	-132.33	
For >1000, Deduct	-165.87	
26 56 19 00-0140 EA Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	934.43	202.85
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-46.72	
For >100 To 250, Deduct	-70.08	
For >250 To 500, Deduct	-106.66	
For >500 To 1000, Deduct	-143.24	
For >1000, Deduct	-179.82	
26 56 19 00-0141 EA Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	990.48	207.49
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-49.52	
For >100 To 250, Deduct	-74.29	
For >250 To 500, Deduct	-113.44	
For >500 To 1000, Deduct	-152.59	
For >1000, Deduct	-191.74	
26 56 19 00-0142 EA Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	1,046.73	209.17
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-52.34	
For >100 To 250, Deduct	-78.50	
For >250 To 500, Deduct	-120.38	
For >500 To 1000, Deduct	-162.26	
For >1000, Deduct	-204.14	
26 56 19 00-0143 EA Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	1,234.76	216.76
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-61.74	
For >100 To 250, Deduct	-92.61	
For >250 To 500, Deduct	-143.51	
For >500 To 1000, Deduct	-194.41	
For >1000, Deduct	-245.31	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0144 EA Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	1,387.59	220.98
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-69.38	
For >100 To 250, Deduct	-104.07	
For >250 To 500, Deduct	-162.40	
For >500 To 1000, Deduct	-220.73	
For >1000, Deduct	-279.06	
26 56 19 00-0145 EA Up To 22,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	1,470.63	221.82
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-73.53	
For >100 To 250, Deduct	-110.30	
For >250 To 500, Deduct	-172.74	
For >500 To 1000, Deduct	-235.18	
For >1000, Deduct	-297.62	
26 56 19 00-0146 EA Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,550.93	224.35
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-77.55	
For >100 To 250, Deduct	-116.32	
For >250 To 500, Deduct	-182.65	
For >500 To 1000, Deduct	-248.98	
For >1000, Deduct	-315.31	
26 56 19 00-0147 EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	856.57	211.70
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-42.83	
For >100 To 250, Deduct	-64.24	
For >250 To 500, Deduct	-96.49	
For >500 To 1000, Deduct	-128.73	
For >1000, Deduct	-160.97	
26 56 19 00-0148 EA Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	921.79	213.81
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-46.09	
For >100 To 250, Deduct	-69.13	
For >250 To 500, Deduct	-104.53	
For >500 To 1000, Deduct	-139.93	
For >1000, Deduct	-175.33	
26 56 19 00-0149 EA Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	669.81	193.56
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-33.49	
For >100 To 250, Deduct	-50.24	
For >250 To 500, Deduct	-74.05	
For >500 To 1000, Deduct	-97.86	
For >1000, Deduct	-121.67	
26 56 19 00-0150 EA Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	681.32	195.25
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-34.07	
For >100 To 250, Deduct	-51.10	
For >250 To 500, Deduct	-75.40	
For >500 To 1000, Deduct	-99.71	
For >1000, Deduct	-124.01	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0151	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	735.67	199.05
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.68	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.05	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	51.98	
			<i>For >50 To 100, Deduct</i>	-36.78	
			<i>For >100 To 250, Deduct</i>	-55.18	
			<i>For >250 To 500, Deduct</i>	-82.01	
			<i>For >500 To 1000, Deduct</i>	-108.84	
			<i>For >1000, Deduct</i>	-135.67	
26 56	19 00-0152	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	1,099.22	215.07
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.68	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.05	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	51.98	
			<i>For >50 To 100, Deduct</i>	-54.96	
			<i>For >100 To 250, Deduct</i>	-82.44	
			<i>For >250 To 500, Deduct</i>	-126.65	
			<i>For >500 To 1000, Deduct</i>	-170.86	
			<i>For >1000, Deduct</i>	-215.06	
26 56	19 00-0153	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,413.69	221.82
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.68	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.05	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	51.98	
			<i>For >50 To 100, Deduct</i>	-70.68	
			<i>For >100 To 250, Deduct</i>	-106.03	
			<i>For >250 To 500, Deduct</i>	-165.62	
			<i>For >500 To 1000, Deduct</i>	-225.21	
			<i>For >1000, Deduct</i>	-284.81	
26 56	19 00-0154	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,268.94	222.66
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.68	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.05	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	51.98	
			<i>For >50 To 100, Deduct</i>	-63.45	
			<i>For >100 To 250, Deduct</i>	-95.17	
			<i>For >250 To 500, Deduct</i>	-147.48	
			<i>For >500 To 1000, Deduct</i>	-199.80	
			<i>For >1000, Deduct</i>	-252.11	
26 56	19 00-0155	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	646.25	193.98
			<i>For Twist Lock Shorting Cap, Add</i>	9.68	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.05	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	51.98	
			<i>For >50 To 100, Deduct</i>	-32.31	
			<i>For >100 To 250, Deduct</i>	-48.47	
			<i>For >250 To 500, Deduct</i>	-71.08	
			<i>For >500 To 1000, Deduct</i>	-93.69	
			<i>For >1000, Deduct</i>	-116.31	
26 56	19 00-0156		LED, Area Fixtures <small>(26 56 19)</small>		
26 56	19 00-0157		Pole Mount, LED Area Fixtures <small>(26 56 19 00-0156)</small>		
26 56	19 00-0158		Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 19 00-0157)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56	19 00-0159	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,546.06	143.39
			<i>For >50 To 100, Deduct</i>	-127.30	
			<i>For >100 To 250, Deduct</i>	-190.95	
			<i>For >250 To 500, Deduct</i>	-311.09	
			<i>For >500 To 1000, Deduct</i>	-431.22	
			<i>For >1000, Deduct</i>	-551.36	
26 56	19 00-0160	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,743.68	151.82
			<i>For >50 To 100, Deduct</i>	-137.18	
			<i>For >100 To 250, Deduct</i>	-205.78	
			<i>For >250 To 500, Deduct</i>	-335.37	
			<i>For >500 To 1000, Deduct</i>	-464.96	
			<i>For >1000, Deduct</i>	-594.56	
26 56	19 00-0161	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,958.16	168.68
			<i>For >50 To 100, Deduct</i>	-147.91	
			<i>For >100 To 250, Deduct</i>	-221.86	
			<i>For >250 To 500, Deduct</i>	-361.34	
			<i>For >500 To 1000, Deduct</i>	-500.81	
			<i>For >1000, Deduct</i>	-640.28	
26 56	19 00-0162	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,975.03	177.11
			<i>For >50 To 100, Deduct</i>	-148.75	
			<i>For >100 To 250, Deduct</i>	-223.13	
			<i>For >250 To 500, Deduct</i>	-363.02	
			<i>For >500 To 1000, Deduct</i>	-502.92	
			<i>For >1000, Deduct</i>	-642.81	



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0163			Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 19 00-0157)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0164	EA		40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,470.91	151.82
			<i>For Backlight Shielding, Add</i>	26.70	
			<i>For Type II Medium Optic, Add</i>	47.24	
			<i>For 480 Volt, Add</i>	107.03	
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-73.55	
			<i>For >100 To 250, Deduct</i>	-110.32	
			<i>For >250 To 500, Deduct</i>	-176.27	
			<i>For >500 To 1000, Deduct</i>	-242.23	
			<i>For >1000, Deduct</i>	-308.18	
26 56 19 00-0165	EA		60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,768.16	160.24
			<i>For Backlight Shielding, Add</i>	26.70	
			<i>For Type II Medium Optic, Add</i>	48.09	
			<i>For 480 Volt, Add</i>	107.03	
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-88.41	
			<i>For >100 To 250, Deduct</i>	-132.61	
			<i>For >250 To 500, Deduct</i>	-213.01	
			<i>For >500 To 1000, Deduct</i>	-293.40	
			<i>For >1000, Deduct</i>	-373.80	
26 56 19 00-0166	EA		80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,177.94	168.68
			<i>For Backlight Shielding, Add</i>	26.70	
			<i>For Type II Medium Optic, Add</i>	48.93	
			<i>For 480 Volt, Add</i>	107.03	
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-108.90	
			<i>For >100 To 250, Deduct</i>	-163.35	
			<i>For >250 To 500, Deduct</i>	-263.81	
			<i>For >500 To 1000, Deduct</i>	-364.27	
			<i>For >1000, Deduct</i>	-464.73	
26 56 19 00-0167	EA		100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,475.19	177.11
			<i>For Backlight Shielding, Add</i>	26.70	
			<i>For Type II Medium Optic, Add</i>	49.77	
			<i>For 480 Volt, Add</i>	107.03	
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-123.76	
			<i>For >100 To 250, Deduct</i>	-185.64	
			<i>For >250 To 500, Deduct</i>	-300.54	
			<i>For >500 To 1000, Deduct</i>	-415.45	
			<i>For >1000, Deduct</i>	-530.35	
26 56 19 00-0168	EA		120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,772.43	185.55
			<i>For Backlight Shielding, Add</i>	26.70	
			<i>For Type II Medium Optic, Add</i>	50.62	
			<i>For 480 Volt, Add</i>	107.03	
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-138.62	
			<i>For >100 To 250, Deduct</i>	-207.93	
			<i>For >250 To 500, Deduct</i>	-337.28	
			<i>For >500 To 1000, Deduct</i>	-466.62	
			<i>For >1000, Deduct</i>	-595.96	
26 56 19 00-0169	EA		140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,159.32	193.98
			<i>For Backlight Shielding, Add</i>	26.70	
			<i>For Type II Medium Optic, Add</i>	51.46	
			<i>For 480 Volt, Add</i>	107.03	
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-157.97	
			<i>For >100 To 250, Deduct</i>	-236.95	
			<i>For >250 To 500, Deduct</i>	-385.22	
			<i>For >500 To 1000, Deduct</i>	-533.48	
			<i>For >1000, Deduct</i>	-681.75	
26 56 19 00-0170	EA		160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,456.56	202.42
			<i>For Backlight Shielding, Add</i>	26.70	
			<i>For Type II Medium Optic, Add</i>	52.30	
			<i>For 480 Volt, Add</i>	107.03	
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-172.83	
			<i>For >100 To 250, Deduct</i>	-259.24	
			<i>For >250 To 500, Deduct</i>	-421.95	
			<i>For >500 To 1000, Deduct</i>	-584.66	
			<i>For >1000, Deduct</i>	-747.36	

26 56 19 00-0171			Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 19 00-0157)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
------------------	--	--	---	--	--



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0172	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,565.41	185.55
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Bird Spikes, Add</i>	54.00	
			<i>For 5,000K Color Temperature, Add</i>	56.24	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For 1,000mA Driver, Add</i>	188.98	
			<i>For >50 To 100, Deduct</i>	-128.27	
			<i>For >100 To 250, Deduct</i>	-192.41	
			<i>For >250 To 500, Deduct</i>	-311.40	
			<i>For >500 To 1000, Deduct</i>	-430.39	
			<i>For >1000, Deduct</i>	-549.38	
26 56 19 00-0173	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	4,303.17	227.72
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For 5,000K Color Temperature, Add</i>	56.24	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	79.47	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For 1,000mA Driver, Add</i>	188.96	
			<i>For 480 Volt, Add</i>	202.45	
			<i>For >50 To 100, Deduct</i>	-215.16	
			<i>For >100 To 250, Deduct</i>	-322.74	
			<i>For >250 To 500, Deduct</i>	-526.51	
			<i>For >500 To 1000, Deduct</i>	-730.28	
			<i>For >1000, Deduct</i>	-934.05	
26 56 19 00-0174			Wall Mount, LED Area Fixtures (26 56 19 00-0156)		
26 56 19 00-0175			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0174) Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0176	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,156.14	143.39
			<i>For >50 To 100, Deduct</i>	-57.81	
			<i>For >100 To 250, Deduct</i>	-86.71	
			<i>For >250 To 500, Deduct</i>	-137.35	
			<i>For >500 To 1000, Deduct</i>	-187.99	
			<i>For >1000, Deduct</i>	-238.62	
26 56 19 00-0177	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,189.88	160.24
			<i>For >50 To 100, Deduct</i>	-59.49	
			<i>For >100 To 250, Deduct</i>	-89.24	
			<i>For >250 To 500, Deduct</i>	-140.72	
			<i>For >500 To 1000, Deduct</i>	-192.20	
			<i>For >1000, Deduct</i>	-243.69	
26 56 19 00-0178			Surface Mount, LED Parking Structure Fixtures (26 56 19 00-0156)		
26 56 19 00-0179			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 19 00-0178) Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0180	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,303.07	151.82
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-65.15	
			<i>For >100 To 250, Deduct</i>	-97.73	
			<i>For >250 To 500, Deduct</i>	-155.29	
			<i>For >500 To 1000, Deduct</i>	-212.86	
			<i>For >1000, Deduct</i>	-270.42	
26 56 19 00-0181	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,600.32	160.24
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-80.02	
			<i>For >100 To 250, Deduct</i>	-120.02	
			<i>For >250 To 500, Deduct</i>	-192.03	
			<i>For >500 To 1000, Deduct</i>	-264.03	
			<i>For >1000, Deduct</i>	-336.03	
26 56 19 00-0182	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,897.56	168.68
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-94.88	
			<i>For >100 To 250, Deduct</i>	-142.32	
			<i>For >250 To 500, Deduct</i>	-228.76	
			<i>For >500 To 1000, Deduct</i>	-315.20	
			<i>For >1000, Deduct</i>	-401.65	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0183 EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	2,194.81	177.11
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-109.74	
For >100 To 250, Deduct	-164.61	
For >250 To 500, Deduct	-265.50	
For >500 To 1000, Deduct	-366.38	
For >1000, Deduct	-467.26	
26 56 19 00-0184 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 19 00-0178)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0185 EA 40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,257.29	151.82
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-62.86	
For >100 To 250, Deduct	-94.30	
For >250 To 500, Deduct	-149.57	
For >500 To 1000, Deduct	-204.84	
For >1000, Deduct	-260.12	
26 56 19 00-0186 EA 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,386.69	160.24
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-69.33	
For >100 To 250, Deduct	-104.00	
For >250 To 500, Deduct	-165.32	
For >500 To 1000, Deduct	-226.65	
For >1000, Deduct	-287.97	
26 56 19 00-0187 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 19 00-0178)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0188 EA 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	1,056.37	151.82
For >50 To 100, Deduct	-52.82	
For >100 To 250, Deduct	-79.23	
For >250 To 500, Deduct	-124.46	
For >500 To 1000, Deduct	-169.68	
For >1000, Deduct	-214.91	
26 56 19 00-0189 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 19 00-0178)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0190 EA 70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,046.80	160.24
For >50 To 100, Deduct	-102.34	
For >100 To 250, Deduct	-153.51	
For >250 To 500, Deduct	-247.84	
For >500 To 1000, Deduct	-342.17	
For >1000, Deduct	-436.49	
26 56 19 00-0191 EA 110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,080.54	177.11
For >50 To 100, Deduct	-104.03	
For >100 To 250, Deduct	-156.04	
For >250 To 500, Deduct	-251.21	
For >500 To 1000, Deduct	-346.38	
For >1000, Deduct	-441.55	
26 56 19 00-0192 Surface Mount, LED Canopy Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0193 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 19 00-0192)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194 EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,505.24	151.82
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-75.26	
For >100 To 250, Deduct	-112.89	
For >250 To 500, Deduct	-180.56	
For >500 To 1000, Deduct	-248.24	
For >1000, Deduct	-315.91	
26 56 19 00-0195 EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,802.49	160.24
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-90.12	
For >100 To 250, Deduct	-135.19	
For >250 To 500, Deduct	-217.30	
For >500 To 1000, Deduct	-299.41	
For >1000, Deduct	-381.52	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0196	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,099.74	168.68
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-104.99	
			<i>For >100 To 250, Deduct</i>	-157.48	
			<i>For >250 To 500, Deduct</i>	-254.03	
			<i>For >500 To 1000, Deduct</i>	-350.59	
			<i>For >1000, Deduct</i>	-447.14	
26 56 19 00-0197	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,396.99	177.11
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-119.85	
			<i>For >100 To 250, Deduct</i>	-179.77	
			<i>For >250 To 500, Deduct</i>	-290.77	
			<i>For >500 To 1000, Deduct</i>	-401.76	
			<i>For >1000, Deduct</i>	-512.75	
26 56 19 00-0198	EA		120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,694.23	185.55
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-134.71	
			<i>For >100 To 250, Deduct</i>	-202.07	
			<i>For >250 To 500, Deduct</i>	-327.50	
			<i>For >500 To 1000, Deduct</i>	-452.93	
			<i>For >1000, Deduct</i>	-578.37	
26 56 19 00-0199	EA		140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,104.01	193.98
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-155.20	
			<i>For >100 To 250, Deduct</i>	-232.80	
			<i>For >250 To 500, Deduct</i>	-378.30	
			<i>For >500 To 1000, Deduct</i>	-523.80	
			<i>For >1000, Deduct</i>	-669.30	
26 56 19 00-0200	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,401.25	202.42
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-170.06	
			<i>For >100 To 250, Deduct</i>	-255.09	
			<i>For >250 To 500, Deduct</i>	-415.04	
			<i>For >500 To 1000, Deduct</i>	-574.98	
			<i>For >1000, Deduct</i>	-734.92	
26 56 19 00-0201	EA		200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,995.74	219.29
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-199.79	
			<i>For >100 To 250, Deduct</i>	-299.68	
			<i>For >250 To 500, Deduct</i>	-488.50	
			<i>For >500 To 1000, Deduct</i>	-677.33	
			<i>For >1000, Deduct</i>	-866.15	
26 56 19 00-0202	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	4,573.36	227.72
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-228.67	
			<i>For >100 To 250, Deduct</i>	-343.00	
			<i>For >250 To 500, Deduct</i>	-560.28	
			<i>For >500 To 1000, Deduct</i>	-777.57	
			<i>For >1000, Deduct</i>	-994.85	
26 56 19 00-0203			Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 19 00-0192)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0204	EA		8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	1,056.43	168.68
			<i>For >50 To 100, Deduct</i>	-52.82	
			<i>For >100 To 250, Deduct</i>	-79.23	
			<i>For >250 To 500, Deduct</i>	-123.62	
			<i>For >500 To 1000, Deduct</i>	-168.01	
			<i>For >1000, Deduct</i>	-212.39	
26 56 19 00-0205			Recessed Mount, LED Soffit Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0206			Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 19 00-0205)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0207	EA		40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,280.18	151.82
			<i>For >50 To 100, Deduct</i>	-64.01	
			<i>For >100 To 250, Deduct</i>	-96.01	
			<i>For >250 To 500, Deduct</i>	-152.43	
			<i>For >500 To 1000, Deduct</i>	-208.85	
			<i>For >1000, Deduct</i>	-265.27	
26 56 19 00-0208	EA		60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,409.58	160.24
			<i>For >50 To 100, Deduct</i>	-70.48	
			<i>For >100 To 250, Deduct</i>	-105.72	
			<i>For >250 To 500, Deduct</i>	-168.19	
			<i>For >500 To 1000, Deduct</i>	-230.65	
			<i>For >1000, Deduct</i>	-293.12	
26 56 19 00-0209			Surface Mount, LED Area Fixtures <small>(26 56 19 00-0156)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0210			Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 19 00-0209)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0211	EA		50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	708.10	151.82
			<i>For >50 To 100, Deduct</i>	-35.41	
			<i>For >100 To 250, Deduct</i>	-53.11	
			<i>For >250 To 500, Deduct</i>	-80.92	
			<i>For >500 To 1000, Deduct</i>	-108.74	
			<i>For >1000, Deduct</i>	-136.55	
26 56 19 00-0212	EA		50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	1,504.62	151.82
			<i>For >50 To 100, Deduct</i>	-75.23	
			<i>For >100 To 250, Deduct</i>	-112.85	
			<i>For >250 To 500, Deduct</i>	-180.49	
			<i>For >500 To 1000, Deduct</i>	-248.13	
			<i>For >1000, Deduct</i>	-315.77	
26 56 19 00-0213	EA		68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	1,266.68	168.68
			<i>For >50 To 100, Deduct</i>	-63.33	
			<i>For >100 To 250, Deduct</i>	-95.00	
			<i>For >250 To 500, Deduct</i>	-149.90	
			<i>For >500 To 1000, Deduct</i>	-204.80	
			<i>For >1000, Deduct</i>	-259.70	
26 56 19 00-0214	EA		68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	1,553.46	168.68
			<i>For >50 To 100, Deduct</i>	-77.67	
			<i>For >100 To 250, Deduct</i>	-116.51	
			<i>For >250 To 500, Deduct</i>	-185.75	
			<i>For >500 To 1000, Deduct</i>	-254.99	
			<i>For >1000, Deduct</i>	-324.23	
26 56 19 00-0215			Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 19 00-0209)</small> Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0216	EA		13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A).....	228.72	55.38
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-11.44	
			<i>For >100 To 250, Deduct</i>	-17.15	
			<i>For >250 To 500, Deduct</i>	-26.28	
			<i>For >500 To 1000, Deduct</i>	-35.41	
			<i>For >1000, Deduct</i>	-44.54	
26 56 19 00-0217	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A).....	257.66	55.38
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-12.88	
			<i>For >100 To 250, Deduct</i>	-19.32	
			<i>For >250 To 500, Deduct</i>	-29.90	
			<i>For >500 To 1000, Deduct</i>	-40.48	
			<i>For >1000, Deduct</i>	-51.05	
26 56 19 00-0218	EA		30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	312.78	55.38
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-15.64	
			<i>For >100 To 250, Deduct</i>	-23.46	
			<i>For >250 To 500, Deduct</i>	-36.79	
			<i>For >500 To 1000, Deduct</i>	-50.12	
			<i>For >1000, Deduct</i>	-63.45	
26 56 19 00-0219			Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 19 00-0219)</small>		
26 56 19 00-0221	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	775.20	64.65
			<i>For >50 To 100, Deduct</i>	-38.76	
			<i>For >100 To 250, Deduct</i>	-58.14	
			<i>For >250 To 500, Deduct</i>	-94.44	
			<i>For >500 To 1000, Deduct</i>	-130.74	
			<i>For >1000, Deduct</i>	-167.04	
26 56 19 00-0222	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,249.26	59.03
			<i>For >50 To 100, Deduct</i>	-62.46	
			<i>For >100 To 250, Deduct</i>	-93.69	
			<i>For >250 To 500, Deduct</i>	-154.05	
			<i>For >500 To 1000, Deduct</i>	-214.40	
			<i>For >1000, Deduct</i>	-274.76	
26 56 19 00-0223	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,588.60	49.19
			<i>For >50 To 100, Deduct</i>	-79.43	
			<i>For >100 To 250, Deduct</i>	-119.15	
			<i>For >250 To 500, Deduct</i>	-196.82	
			<i>For >500 To 1000, Deduct</i>	-274.49	
			<i>For >1000, Deduct</i>	-352.16	
26 56 19 00-0224	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,927.92	39.36
			<i>For >50 To 100, Deduct</i>	-96.40	
			<i>For >100 To 250, Deduct</i>	-144.59	
			<i>For >250 To 500, Deduct</i>	-239.58	
			<i>For >500 To 1000, Deduct</i>	-334.58	
			<i>For >1000, Deduct</i>	-429.57	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0225 Post Top, LED Area Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0226 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0227 EA 1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,200.82	231.94
For >50 To 100, Deduct	-110.04	
For >100 To 250, Deduct	-165.06	
For >250 To 500, Deduct	-263.51	
For >500 To 1000, Deduct	-361.95	
For >1000, Deduct	-460.39	
26 56 19 00-0228 EA 3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,422.44	231.94
For >50 To 100, Deduct	-121.12	
For >100 To 250, Deduct	-181.68	
For >250 To 500, Deduct	-291.21	
For >500 To 1000, Deduct	-400.73	
For >1000, Deduct	-510.26	
26 56 19 00-0229 EA 77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,597.63	231.94
For >50 To 100, Deduct	-129.88	
For >100 To 250, Deduct	-194.82	
For >250 To 500, Deduct	-313.11	
For >500 To 1000, Deduct	-431.39	
For >1000, Deduct	-549.68	
26 56 19 00-0230 Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0231 EA 3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,580.91	231.94
For >50 To 100, Deduct	-129.05	
For >100 To 250, Deduct	-193.57	
For >250 To 500, Deduct	-311.02	
For >500 To 1000, Deduct	-428.46	
For >1000, Deduct	-545.91	
26 56 19 00-0232 EA 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	2,637.85	231.94
For >50 To 100, Deduct	-131.89	
For >100 To 250, Deduct	-197.84	
For >250 To 500, Deduct	-318.13	
For >500 To 1000, Deduct	-438.43	
For >1000, Deduct	-558.72	
26 56 19 00-0233 Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0234 EA 3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,809.97	231.94
For >50 To 100, Deduct	-90.50	
For >100 To 250, Deduct	-135.75	
For >250 To 500, Deduct	-214.65	
For >500 To 1000, Deduct	-293.55	
For >1000, Deduct	-372.45	
26 56 19 00-0235 EA 6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,895.19	231.94
For >50 To 100, Deduct	-94.76	
For >100 To 250, Deduct	-142.14	
For >250 To 500, Deduct	-225.30	
For >500 To 1000, Deduct	-308.46	
For >1000, Deduct	-391.63	
26 56 19 00-0236 Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0237 EA 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,422.61	231.94
For >50 To 100, Deduct	-71.13	
For >100 To 250, Deduct	-106.70	
For >250 To 500, Deduct	-166.23	
For >500 To 1000, Deduct	-225.76	
For >1000, Deduct	-285.30	
26 56 19 00-0238 EA 6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,507.83	231.94
For >50 To 100, Deduct	-75.39	
For >100 To 250, Deduct	-113.09	
For >250 To 500, Deduct	-176.88	
For >500 To 1000, Deduct	-240.68	
For >1000, Deduct	-304.47	
26 56 19 00-0239 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0240 EA 13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	3,370.65	231.94
For >50 To 100, Deduct	-168.53	
For >100 To 250, Deduct	-252.80	
For >250 To 500, Deduct	-409.73	
For >500 To 1000, Deduct	-566.67	
For >1000, Deduct	-723.60	
26 56 19 00-0241 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) (26 56 19 00-0225)		
Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0242 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	949.82	126.52
For 0 To 10 Volt Dimming, Add	67.48	
For >50 To 100, Deduct	-47.49	
For >100 To 250, Deduct	-71.24	
For >250 To 500, Deduct	-112.40	
For >500 To 1000, Deduct	-153.57	
For >1000, Deduct	-194.73	
26 56 19 00-0243 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 19 00-0225)		
Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0244 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	589.81	26.99
For Backlight Control Shield, Add	45.55	
For >50 To 100, Deduct	-29.49	
For >100 To 250, Deduct	-44.24	
For >250 To 500, Deduct	-71.03	
For >500 To 1000, Deduct	-97.82	
For >1000, Deduct	-124.61	
26 56 19 00-0245 Surface Mount, LED Strip Fixtures (Sylvania) (26 56 19 00-0156)		
26 56 19 00-0246 EA 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	537.41	51.44
For >50 To 100, Deduct	-26.87	
For >100 To 250, Deduct	-40.31	
For >250 To 500, Deduct	-65.24	
For >500 To 1000, Deduct	-90.18	
For >1000, Deduct	-115.12	
26 56 21 HID Exterior Lighting (26 56)		
26 56 21 00-0001 High Mast Fixtures (26 56 21)		
26 56 21 00-0002 Metal Halide, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0003 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,001.93	208.80
26 56 21 00-0004 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,136.01	208.80
26 56 21 00-0005 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,125.57	238.55
26 56 21 00-0006 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,206.02	238.55
26 56 21 00-0007 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,245.32	298.19
26 56 21 00-0008 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,325.77	298.19
26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0010 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	2,066.56	208.80
26 56 21 00-0011 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	2,147.01	208.80
26 56 21 00-0012 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,493.13	220.73
26 56 21 00-0013 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,557.21	238.55
26 56 21 00-0014 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,717.17	298.19
26 56 21 00-0015 HID, Pole Mounted (26 56 21)		
26 56 21 00-0016 Metal Halide, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0017 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	744.15	340.48
26 56 21 00-0018 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	830.91	369.59
26 56 21 00-0019 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	955.04	397.58
26 56 21 00-0020 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,237.81	465.96
26 56 21 00-0021 High Pressure Sodium, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0022 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	912.69	397.58
26 56 21 00-0023 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	937.73	397.58
26 56 21 00-0024 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	980.33	397.58
26 56 21 00-0025 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,088.24	397.58
26 56 21 00-0026 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,257.33	397.58
26 56 21 00-0027 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,204.40	397.58



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0028 Low Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21 00-0029 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	757.81	216.29
26 56 21 00-0030 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	872.50	318.06
26 56 21 00-0031 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	998.39	318.06
26 56 21 00-0032 Metal Halide, Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0033 Metal Halide, Pole Mount, Area Fixtures <small>(26 56 21 00-0032)</small>		
Note: Includes pulse start ballast.		
26 56 21 00-0034 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	1,221.44	209.30
26 56 21 00-0035 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	1,340.56	230.22
26 56 21 00-0036 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	1,481.51	251.15
26 56 21 00-0037 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	1,575.03	293.01
26 56 21 00-0038 High Pressure Sodium, Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0039 Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 21 00-0038)</small>		
26 56 21 00-0040 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,012.82	167.43
26 56 21 00-0041 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,110.35	209.30
26 56 21 00-0042 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,211.59	251.15
26 56 21 00-0043 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,285.79	293.01
26 56 21 00-0044 Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21)</small>		
26 56 21 00-0045 Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
26 56 21 00-0046 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	708.66	318.06
26 56 21 00-0047 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	797.56	357.82
26 56 21 00-0048 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	937.05	397.58
26 56 21 00-0049 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,221.09	465.96
26 56 21 00-0050 High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
26 56 21 00-0051 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	664.62	271.94
26 56 21 00-0052 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	718.17	289.44
26 56 21 00-0053 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	770.90	305.34
26 56 21 00-0054 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	797.75	318.06
26 56 21 00-0055 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	880.84	357.82
26 56 21 00-0056 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	949.67	397.58
26 56 21 00-0057 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,323.69	465.96
26 56 21 00-0058 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0059 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0058)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	882.05	214.69
26 56 21 00-0061 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	918.01	238.55
26 56 21 00-0062 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	984.66	271.94
26 56 21 00-0063 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,013.36	289.44
26 56 21 00-0064 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,043.43	305.34
26 56 21 00-0065 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,092.94	318.06
26 56 21 00-0066 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,196.88	357.82
26 56 21 00-0067 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,444.56	397.58
26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0058)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	971.23	238.55
26 56 21 00-0070 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,029.83	271.94
26 56 21 00-0071 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,066.02	289.44
26 56 21 00-0072 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,112.35	305.34
26 56 21 00-0073 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,138.18	318.06
26 56 21 00-0074 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,244.47	357.82
26 56 21 00-0075 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,570.93	397.58
26 56 21 00-0076 Wall Packs <small>(26 56 21)</small>		
26 56 21 00-0077 Non-Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078 EA 13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	413.05	76.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0079 EA 50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	439.84	76.91
26 56 21 00-0080 EA 35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	439.84	76.91
26 56 21 00-0081 EA 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	569.71	76.91
26 56 21 00-0082 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	779.33	76.91
26 56 21 00-0084 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	788.97	76.91
26 56 21 00-0085 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	797.30	76.91
26 56 21 00-0086 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	782.11	76.91
26 56 21 00-0087 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	719.61	76.91
26 56 21 00-0088 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	685.28	76.91
26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	818.88	76.91
26 56 21 00-0091 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	827.66	76.91
26 56 21 00-0092 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	812.48	76.91
26 56 21 00-0093 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	824.70	76.91
26 56 21 00-0094 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	824.70	76.91
26 56 21 00-0095 Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096 EA 70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	794.81	102.45
26 56 21 00-0097 EA 100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	794.81	102.45
26 56 21 00-0098 EA 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	747.78	102.45
26 56 21 00-0099 EA 70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	765.81	102.45
26 56 21 00-0100 EA 100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	765.81	102.45
26 56 21 00-0101 EA 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	713.65	102.45
26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	822.68	102.45
26 56 21 00-0104 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	822.68	102.45
26 56 21 00-0105 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	822.68	102.45
26 56 21 00-0106 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	795.02	102.45
26 56 21 00-0107 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	795.02	102.45
26 56 21 00-0108 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	795.02	102.45
26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,047.81	102.45
26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,001.13	126.90
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0113 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,064.90	126.90
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0114 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,140.92	126.90
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0115 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,161.85	126.90
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0116 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,083.15	126.90
26 56 21 00-0118 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,154.80	126.90
26 56 21 00-0119 Non-Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120 EA 100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,017.91	153.82
26 56 21 00-0121 EA 175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	942.02	153.82
26 56 21 00-0122 EA 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,000.35	153.82
26 56 21 00-0123 EA 100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,006.15	153.82
26 56 21 00-0124 EA 150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	1,012.24	153.82
26 56 21 00-0125 Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126 EA 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,017.93	153.82
26 56 21 00-0127 EA 250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,043.25	153.82
26 56 21 00-0128 EA 400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,119.13	153.82
26 56 21 00-0129 EA 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,068.55	153.82



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0130 EA 250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,093.87	153.82
26 56 21 00-0131 EA 400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,144.41	153.82
26 56 21 00-0132 Semi Cutoff, Induction Wall Packs (26 56 21 00-0076)		
26 56 21 00-0133 Semi Cutoff, Induction Wall Packs (Everlast®) (26 56 21 00-0132)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134 EA 70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70).....	1,256.13	143.39
26 56 21 00-0135 EA 80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80).....	1,283.80	151.82
26 56 21 00-0136 EA 100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100).....	1,311.48	160.24
26 56 21 00-0137 EA 120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120).....	1,457.96	168.68
26 56 21 00-0138 Non-Cutoff, Polycarbonate Lens, Small Wall Packs (26 56 21 00-0076)		
26 56 21 00-0139 EA 15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P).....	424.85	76.91
26 56 21 00-0140 Induction, Roadway Lighting (26 56 21)		
26 56 21 00-0141 Induction Roadway Lighting (US Lighting Tech) (26 56 21 00-0140)		
Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	757.79	253.02
26 56 21 00-0143 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	824.02	261.46
26 56 21 00-0144 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	857.76	278.33
26 56 21 00-0145 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	891.49	295.20
26 56 21 00-0146 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	1,021.89	303.63
26 56 21 00-0147 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	1,042.71	312.07
26 56 21 00-0148 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	716.33	253.02
26 56 21 00-0149 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	788.48	261.46
26 56 21 00-0150 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	822.22	278.33
26 56 21 00-0151 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	855.95	295.20
26 56 21 00-0152 Induction, Area Fixtures (26 56 21)		
26 56 21 00-0153 Post Top, Induction Area Fixtures (26 56 21 00-0152)		
26 56 21 00-0154 Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 21 00-0153)		
Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	820.27	231.94
26 56 21 00-0156 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	877.53	231.94
26 56 21 00-0157 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	877.53	231.94
26 56 21 00-0158 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	877.53	231.94
26 56 21 00-0159 Surface Mount, Induction Parking Structure Fixtures (26 56 21 00-0152)		
26 56 21 00-0160 Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 21 00-0159)		
26 56 21 00-0161 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	745.38	210.85
26 56 21 00-0162 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	787.39	215.07
26 56 21 00-0163 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	799.77	219.29
26 56 21 00-0164 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	812.16	223.51
26 56 21 00-0165 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	824.54	227.72
26 56 21 00-0166 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	840.87	231.94
26 56 21 00-0167 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	857.03	219.29
26 56 21 00-0168 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	869.42	223.51
26 56 21 00-0169 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	881.79	227.72
26 56 21 00-0170 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	914.91	231.94
26 56 21 00-0171 Pole Mount, Induction Area Fixtures (26 56 21 00-0152)		
26 56 21 00-0172 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 21 00-0171)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173 EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70).....	1,310.14	143.39
26 56 21 00-0174 EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80).....	1,348.61	151.82
26 56 21 00-0175 EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100).....	1,387.08	160.24

END OF SECTION 26

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	-----	-------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	---------------------	------------------------	----------------------

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications (27)

27 05 26 Grounding and Bonding for Communications Systems (27 05)

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA 2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	216.89	41.59
27 05 26 00-0002	EA 4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	396.41	41.59
27 05 26 00-0003	EA #6 AWG, Cable Runway Ground Strap	78.66	7.70
27 05 26 00-0004	EA 1/4" Screw Size, #6 AWG Compression Lug	29.46	7.70
27 05 26 00-0005	EA 3/8" Screw Size, #6 AWG Compression Lug	31.20	7.70
27 05 26 00-0006	EA Two Mounting Hole, Ground Terminal Block	34.41	7.70
27 05 26 00-0007	EA 25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	1,113.03	157.41
	Note: Excludes terminations.		
27 05 26 00-0008	EA 50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,433.16	209.93
	Note: Excludes terminations.		
27 05 26 00-0009	EA 100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	2,257.72	314.81
	Note: Excludes terminations.		
27 05 26 00-0010	EA Lucent 3B1-EW, Gas Tube Protector Unit	13.47	2.31

27 05 29 Hangers and Supports for Communications Systems (27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA 3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	11.20	3.85
	<i>For >50 To 100, Deduct</i>	-0.47	
	<i>For >100 To 250, Deduct</i>	-0.95	
	<i>For >250 To 500, Deduct</i>	-1.80	
	<i>For >500, Deduct</i>	-2.66	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
	<i>For Work In Restricted Working Space, Add</i>	2.31	
	<i>For Painted Powder Coated Finish, Add</i>	0.71	
27 05 29 00-0004	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	11.74	3.85
	<i>For >50 To 100, Deduct</i>	-0.49	
	<i>For >100 To 250, Deduct</i>	-0.97	
	<i>For >250 To 500, Deduct</i>	-1.84	
	<i>For >500, Deduct</i>	-2.71	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
	<i>For Work In Restricted Working Space, Add</i>	2.31	
	<i>For Painted Powder Coated Finish, Add</i>	2.49	
	<i>For Low Friction Xylan® Coated Finish, Add</i>	8.87	
27 05 29 00-0005	EA 2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	12.58	3.85
	<i>For >50 To 100, Deduct</i>	-0.51	
	<i>For >100 To 250, Deduct</i>	-1.01	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.80	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
	<i>For Work In Restricted Working Space, Add</i>	2.31	
	<i>For Painted Powder Coated Finish, Add</i>	3.06	
	<i>For Low Friction Xylan® Coated Finish, Add</i>	11.03	
27 05 29 00-0006	EA 4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	19.84	3.85
	<i>For >50 To 100, Deduct</i>	-0.69	
	<i>For >100 To 250, Deduct</i>	-1.38	
	<i>For >250 To 500, Deduct</i>	-2.45	
	<i>For >500, Deduct</i>	-3.52	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
	<i>For Work In Restricted Working Space, Add</i>	2.31	
	<i>For Painted Powder Coated Finish, Add</i>	1.63	
	<i>For Low Friction Xylan® Coated Finish, Add</i>	9.77	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA 3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	12.47	3.85
	<i>For >50 To 100, Deduct</i>	-0.50	
	<i>For >100 To 250, Deduct</i>	-1.01	
	<i>For >250 To 500, Deduct</i>	-1.90	
	<i>For >500, Deduct</i>	-2.79	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
	<i>For Work In Restricted Working Space, Add</i>	2.31	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB).....	15.74	3.85
For >50 To 100, Deduct	-0.59	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-3.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0010 EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB).....	17.33	3.85
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-3.27	
For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0011 EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB).....	23.02	3.85
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.84	
For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
Note: Excludes strut.		
27 05 29 00-0013 EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4).....	13.08	3.85
For >50 To 100, Deduct	-0.52	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.85	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0014 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4).....	15.26	3.85
For >50 To 100, Deduct	-0.57	
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-2.11	
For >500, Deduct	-3.07	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0015 EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4).....	16.39	3.85
For >50 To 100, Deduct	-0.60	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-3.18	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0016 EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4).....	21.76	3.85
For >50 To 100, Deduct	-0.74	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.59	
For >500, Deduct	-3.72	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
Note: Excludes T-Bar.		
27 05 29 00-0018 EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28).....	15.46	3.85
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-3.09	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0019 EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28).....	19.15	3.85
For >50 To 100, Deduct	-0.67	
For >100 To 250, Deduct	-1.34	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-3.46	
For Work In Restricted Working Space, Add	2.31	
27 05 29 00-0020 EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28).....	20.11	3.85
For >50 To 100, Deduct	-0.70	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-2.47	
For >500, Deduct	-3.55	
For Work In Restricted Working Space, Add	2.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small> Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	12.79	3.85
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.82	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	13.29	3.85
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.87	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	15.84	3.85
<i>For >50 To 100, Deduct</i>	-0.59	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-2.15	
<i>For >500, Deduct</i>	-3.12	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small> Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	15.55	3.85
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-3.10	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	16.74	3.85
<i>For >50 To 100, Deduct</i>	-0.61	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-3.21	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	22.69	3.85
<i>For >50 To 100, Deduct</i>	-0.76	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-2.66	
<i>For >500, Deduct</i>	-3.81	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	15.38	3.85
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.15	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-3.08	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	17.52	3.85
<i>For >50 To 100, Deduct</i>	-0.63	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-2.28	
<i>For >500, Deduct</i>	-3.29	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	18.65	3.85
<i>For >50 To 100, Deduct</i>	-0.66	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-2.36	
<i>For >500, Deduct</i>	-3.41	
<i>For Work In Restricted Working Space, Add</i>	2.31	
27 05 29 00-0033 EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	24.84	3.85
<i>For >50 To 100, Deduct</i>	-0.81	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.83	
<i>For >500, Deduct</i>	-4.02	
<i>For Work In Restricted Working Space, Add</i>	2.31	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) ^(27 05 29)		
27 05 29 00-0035 EA Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	42.65	5.08
For >50 To 100, Deduct	-1.45	
For >100 To 250, Deduct	-2.90	
For >250 To 500, Deduct	-5.12	
For >500, Deduct	-7.34	
For Installation On Concrete (Includes Drilling And Fastener), Add	3.95	
For Work In Restricted Working Space, Add	4.62	
27 05 29 00-0036 EA Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	43.45	5.08
For >50 To 100, Deduct	-1.47	
For >100 To 250, Deduct	-2.94	
For >250 To 500, Deduct	-5.18	
For >500, Deduct	-7.42	
For Work In Restricted Working Space, Add	4.62	
27 05 29 00-0037 EA Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	47.60	5.08
For >50 To 100, Deduct	-1.57	
For >100 To 250, Deduct	-3.15	
For >250 To 500, Deduct	-5.49	
For >500, Deduct	-7.84	
For Work In Restricted Working Space, Add	4.62	
27 05 29 00-0038 EA >1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	42.52	5.08
For >50 To 100, Deduct	-1.45	
For >100 To 250, Deduct	-2.90	
For >250 To 500, Deduct	-5.11	
For >500, Deduct	-7.33	
For Work In Restricted Working Space, Add	4.62	
27 05 29 00-0039 EA Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	44.44	5.08
For >50 To 100, Deduct	-1.50	
For >100 To 250, Deduct	-2.99	
For >250 To 500, Deduct	-5.26	
For >500, Deduct	-7.52	
For Work In Restricted Working Space, Add	4.62	
27 05 29 00-0040 EA >1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	46.35	5.08
For >50 To 100, Deduct	-1.54	
For >100 To 250, Deduct	-3.09	
For >250 To 500, Deduct	-5.40	
For >500, Deduct	-7.71	
For Work In Restricted Working Space, Add	4.62	
27 05 29 00-0041 EA Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	43.80	5.08
For >50 To 100, Deduct	-1.48	
For >100 To 250, Deduct	-2.96	
For >250 To 500, Deduct	-5.21	
For >500, Deduct	-7.46	
For Work In Restricted Working Space, Add	4.62	

27 05 33 Conduits and Backboxes for Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems ^(27 05)

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems ^(27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems ^(27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems ^(27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling ⁽²⁷⁾

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings ^(27 10)**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures** ^(27 11)**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** ^(27 11 16)

27 11 16 00-0002 EA 4' x 4' x 3/4" Fire Retardant Plywood Backboard.....	111.96	39.99
For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	55.27	
27 11 16 00-0003 EA 4' x 8' x 3/4" Fire Retardant Plywood Backboard.....	223.92	79.99
For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	110.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0004 Terminal Cabinets <small>(27 11 16)</small>		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	433.05	115.36
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	542.84	126.90
27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	624.66	146.13
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	648.11	149.97
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	785.90	153.82
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	969.06	173.05
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	990.24	169.21
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,277.35	241.04
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,368.04	264.88
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,643.74	279.80
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,357.51	230.73
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,468.22	249.96
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,832.45	320.41
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,203.93	400.55
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,486.13	396.09
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,861.65	481.92
27 11 16 00-0021 Equipment Racks And Cable Managers <small>(27 11 16)</small>		
27 11 16 00-0022 Equipment Racks <small>(27 11 16 00-0021)</small>		
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023 Standard Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0024 19" Width, Standard Equipment Racks <small>(27 11 16 00-0023)</small>		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	719.31	246.12
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	11.35	
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	971.09	261.50
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.41	
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	1,047.13	276.88
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.67	
27 11 16 00-0028 Universal Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0029 Universal Equipment Racks <small>(27 11 16 00-0028)</small>		
27 11 16 00-0030 19" Width, EIA Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	900.28	215.35
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.48	
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	978.33	219.19
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.00	
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	978.45	223.04
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.62	
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	1,002.95	226.89
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.46	
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	1,027.19	230.73
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.29	
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	1,053.33	234.58
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.21	
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	910.51	238.43
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.68	
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	1,104.20	242.27
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.98	
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	1,141.68	246.12
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	32.47	
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	1,174.57	249.96
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.73	
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	1,183.55	253.80
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.80	
27 11 16 00-0042 23" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	948.47	215.35
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.89	
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	980.12	219.19
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.09	
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	1,008.12	223.04
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.10	
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	1,059.38	226.89
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.28	
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	1,085.29	230.73
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.19	
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	1,113.36	234.58
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	32.21	
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	971.22	238.43
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.72	
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	1,167.90	242.27
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	34.17	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,208.39 35.81	246.12
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,243.93 37.20	249.96
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,253.01 37.27	253.80
27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,166.97 35.28	230.73
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,227.36 37.53	238.43
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	947.25 25.83	215.35
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,019.43 29.05	219.19
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,035.21 29.46	223.04
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,057.91 30.21	226.89
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,083.74 31.11	230.73
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,111.74 32.13	234.58
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,138.67 33.09	238.43
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,166.20 34.08	242.27
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,206.65 35.72	246.12
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,242.09 37.11	249.96
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,251.09 37.17	253.80
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,000.30 28.48	215.35
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,091.38 32.65	219.19
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,105.63 32.98	223.04
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,119.93 33.31	226.89
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,147.65 34.31	230.73
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,177.78 35.43	234.58
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,206.66 36.49	238.43
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,236.21 37.58	242.27
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,280.00 39.39	246.12
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,318.34 40.92	249.96
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,327.66 41.00	253.80
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,897.61 56.43	384.55
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	2,065.34 63.27	399.94
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	2,223.83 69.66	415.31
27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,947.25 58.91	384.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

27 11 16 00-0089			Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090			Horizontal Cable Managers (27 11 16 00-0089)		
27 11 16 00-0091			Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0092	EA		1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	107.56	15.39
27 11 16 00-0093	EA		1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	119.21	15.39
27 11 16 00-0094	EA		1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	90.62	15.39
27 11 16 00-0095	EA		2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	109.31	15.39
27 11 16 00-0096	EA		2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	127.35	15.39
27 11 16 00-0097	EA		2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	99.83	15.39
27 11 16 00-0098	EA		3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	145.65	15.39
27 11 16 00-0099	EA		3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	165.11	15.39
27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	118.25	15.39
27 11 16 00-0101			Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0102	EA		1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	132.39	15.39
27 11 16 00-0103	EA		1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	147.75	15.39
27 11 16 00-0104	EA		2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	139.04	15.39
27 11 16 00-0105	EA		2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	161.03	15.39
27 11 16 00-0106	EA		3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	178.46	15.39
27 11 16 00-0107	EA		3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	199.25	15.39
27 11 16 00-0108			Vertical Cable Managers (27 11 16 00-0089)		
27 11 16 00-0109			Single-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0110	EA		3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	237.24	23.07
27 11 16 00-0111	EA		6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	331.64	23.07
27 11 16 00-0112	EA		10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	529.64	23.07
27 11 16 00-0113	EA		12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	598.71	23.07
27 11 16 00-0114	EA		3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	253.36	23.07
27 11 16 00-0115	EA		6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	356.97	23.07
27 11 16 00-0116	EA		10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	575.69	23.07
27 11 16 00-0117	EA		12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	644.76	23.07
27 11 16 00-0118	EA		3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	285.59	23.07
27 11 16 00-0119	EA		6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	391.50	23.07
27 11 16 00-0120	EA		10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	644.76	23.07
27 11 16 00-0121	EA		12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	713.83	23.07
27 11 16 00-0122			Double-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0123	EA		3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	340.85	23.07
27 11 16 00-0124	EA		6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	400.71	23.07
27 11 16 00-0125	EA		10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	644.76	23.07
27 11 16 00-0126	EA		12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	759.88	23.07
27 11 16 00-0127	EA		3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	368.48	23.07
27 11 16 00-0128	EA		6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	428.34	23.07
27 11 16 00-0129	EA		10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	690.81	23.07
27 11 16 00-0130	EA		12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	805.92	23.07
27 11 16 00-0131	EA		3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	405.32	23.07
27 11 16 00-0132	EA		6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	465.18	23.07
27 11 16 00-0133	EA		10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	759.88	23.07
27 11 16 00-0134	EA		12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	874.99	23.07
27 11 16 00-0135			Accessories For Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0136	EA		Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	145.88	15.39
27 11 16 00-0137	EA		Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	155.09	15.39
27 11 16 00-0138	EA		Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	164.30	15.39
27 11 16 00-0139	EA		Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	150.48	15.39
27 11 16 00-0140	EA		Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	164.30	15.39
27 11 16 00-0141	EA		Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	178.11	15.39
27 11 16 00-0142	EA		Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	168.90	15.39
27 11 16 00-0143	EA		Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	182.71	15.39
27 11 16 00-0144	EA		Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	196.53	15.39
27 11 16 00-0145	EA		Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	178.11	15.39
27 11 16 00-0146	EA		Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	196.53	15.39
27 11 16 00-0147	EA		Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	210.34	15.39
27 11 16 00-0148	EA		Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	122.85	15.39
27 11 16 00-0149	EA		Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	141.27	15.39
27 11 16 00-0150	EA		Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	147.49	15.39
27 11 16 00-0151	EA		Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	95.23	15.39
27 11 19			Communications Termination Blocks and Patch Panels (27 11)		
Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.					
27 11 19 00-0001			Computer Network Components (27 11 19)		

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0002 Ethernet Patch Panels (27 11 19 00-0001)		
27 11 19 00-0003 EA 12 Port, Category 5E Patch Panel.....	333.76	76.91
27 11 19 00-0004 EA 24 Port, Category 5E Patch Panel.....	487.29	76.91
27 11 19 00-0005 EA 32 Port, Category 5E Patch Panel.....	632.56	76.91
27 11 19 00-0006 EA 48 Port, Category 5E Patch Panel.....	767.93	76.91
27 11 19 00-0007 EA 64 Port, Category 5E Patch Panel.....	891.52	96.14
27 11 19 00-0008 EA 96 Port, Category 5E Patch Panel.....	1,412.72	115.36
27 11 19 00-0009 EA 12 Port, Category 6 Patch Panel.....	407.55	76.91
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel.....	497.19	76.91
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel.....	840.56	76.91
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel.....	1,551.39	115.36
27 11 19 00-0013 EA 16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP).....	814.66	115.36
27 11 19 00-0014 EA 16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP).....	860.36	115.36
27 11 19 00-0015 EA 12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-LEGRAND OR-PMP61289).....	348.19	76.91
27 11 19 00-0016 EA Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	54.51	
For >5 To 10 Cables, Deduct	-9.81	
For >10 Cables, Deduct	-21.80	
27 11 19 00-0017 EA Terminate One End Of A Twisted Pair Of Wires.....	14.99	
Note: Per each pair		
For >20 To 40 Pairs, Deduct	-2.40	
For >40 Pairs, Deduct	-5.70	
27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0019 Fiber Optic Cable Connector Housings (27 11 19 00-0018)		
27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	179.45	34.61
27 11 19 00-0022 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	265.24	34.61
27 11 19 00-0023 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	392.18	34.61
27 11 19 00-0024 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	579.67	57.68
27 11 19 00-0025 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	805.65	57.68
27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	602.84	57.68
27 11 19 00-0028 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	688.99	57.68
27 11 19 00-0029 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	741.69	57.68
27 11 19 00-0030 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	869.04	57.68
27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	750.50	57.68
For Splice Tray Bracket, Add	79.77	
27 11 19 00-0033 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	878.67	57.68
For Splice Tray Bracket, Add	87.23	
27 11 19 00-0034 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	1,094.66	57.68
For Splice Tray Bracket, Add	317.79	
27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036 EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	952.19	57.68
27 11 19 00-0037 EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,216.66	57.68
27 11 19 00-0038 EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,376.97	57.68
27 11 19 00-0039 EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,785.84	57.68
27 11 19 00-0040 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)		
Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	848.72	34.61
27 11 19 00-0042 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	1,174.53	57.68
27 11 19 00-0043 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	1,232.39	57.68
27 11 19 00-0044 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019)		
Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	888.71	34.61
27 11 19 00-0046 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	1,173.82	57.68
27 11 19 00-0047 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	1,378.54	57.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0048 Fiber Optic Cable Connector Panels <small>(27 11 19 00-0018)</small>		
27 11 19 00-0049 SC Simplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0048)</small>		
27 11 19 00-0050 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	116.98	7.69
27 11 19 00-0051 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	126.91	7.69
27 11 19 00-0052 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	142.32	7.69
27 11 19 00-0053 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	155.56	7.69
27 11 19 00-0054 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	193.06	7.69
27 11 19 00-0055 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	212.86	7.69
27 11 19 00-0056 SC Duplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0048)</small>		
27 11 19 00-0057 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	112.59	7.69
27 11 19 00-0058 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	114.92	7.69
27 11 19 00-0059 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	136.51	7.69
27 11 19 00-0060 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	139.61	7.69
27 11 19 00-0061 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	184.33	7.69
27 11 19 00-0062 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	188.94	7.69
27 11 19 00-0063 LC Duplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0048)</small>		
27 11 19 00-0064 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	121.55	7.69
27 11 19 00-0065 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	133.25	7.69
27 11 19 00-0066 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	148.41	7.69
27 11 19 00-0067 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	164.03	7.69
27 11 19 00-0068 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	202.20	7.69
27 11 19 00-0069 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	225.58	7.69
27 11 19 00-0070 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	255.97	7.69
27 11 19 00-0071 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	287.13	7.69
27 11 19 00-0072 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	363.49	7.69
27 11 19 00-0073 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	374.35	7.69
27 11 19 00-0074 ST Simplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0048)</small>		
27 11 19 00-0075 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	97.31	7.69
27 11 19 00-0076 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	104.82	7.69
27 11 19 00-0077 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	116.12	7.69
27 11 19 00-0078 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	126.14	7.69
27 11 19 00-0079 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	153.71	7.69
27 11 19 00-0080 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	168.76	7.69
27 11 19 00-0081 MT-RJ, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0048)</small>		
27 11 19 00-0082 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	120.85	7.69
27 11 19 00-0083 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	180.59	7.69
27 11 19 00-0084 Fiber Optic Cable Pretium Edge® Modules <small>(27 11 19 00-0048)</small>		
27 11 19 00-0085 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	1,037.75	7.69
27 11 19 00-0086 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	1,041.35	7.69
27 11 19 00-0087 Fiber Optic Cable Splice Housings <small>(27 11 19 00-0018)</small>		
27 11 19 00-0088 Wall Mount, Fiber Optic Cable Splice Housings <small>(27 11 19 00-0087)</small>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	420.15	76.91
27 11 19 00-0090 Rack Mount, Fiber Optic Cable Splice Housings <small>(27 11 19 00-0087)</small>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	625.53	57.68
27 11 19 00-0092 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	634.91	57.68
27 11 19 00-0093 Fiber Optic Cable Splice Trays <small>(27 11 19 00-0087)</small>		
27 11 19 00-0094 EA Fiber Optic Cable Splice Tray.....	119.96	19.22
27 11 19 00-0095 Fiber Optic Cable Jumper Management Panels <small>(27 11 19 00-0018)</small>		
Note: Includes mounting hardware.		
27 11 19 00-0096 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	234.44	57.68
27 11 19 00-0097 Miscellaneous Accessories <small>(27 11 19 00-0001)</small>		
27 11 19 00-0098 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	86.76	
27 11 19 00-0099 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	115.40	
27 11 19 00-0100 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	126.10	
27 11 19 00-0101 EA Wall Mount Bracket For 96 Port Patch Panel.....	140.58	
27 11 19 00-0102 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	558.61	76.91

27 Communications
27 10 Structured Cabling
 27 11 Communications Equipment Room Fittings



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-------------	------------------------	----------------------

27 11 19 00-0103	Telephone Components <small>(27 11 19)</small>		
27 11 19 00-0104	Terminal Blocks With Wide Range Of 22-8 AWG <small>(27 11 19 00-0103)</small>		
27 11 19 00-0105	EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	42.77	15.41
27 11 19 00-0106	EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	75.99	15.41
27 11 19 00-0107	EA Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	62.39	15.41
27 11 19 00-0108	EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	33.91	15.41
27 11 19 00-0109	EA Flat Terminal Block Connection With Wire Range 22-8 AWG	24.12	10.78
27 11 19 00-0110	EA Ground Terminal Block With Wire Range 22-8 AWG	44.21	15.41
27 11 19 00-0111	EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	33.91	15.41
27 11 19 00-0112	EA Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	23.91	10.78
27 11 19 00-0113	EA Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	23.76	10.78
27 11 19 00-0114	EA Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	24.42	10.78

27 11 19 00-0115	Terminal Block Mounting Channel <small>(27 11 19 00-0103)</small>		
27 11 19 00-0116	EA Terminal Block Mounting Channel, .5 M Galvanized Steel	22.44	7.70
27 11 19 00-0117	EA Terminal Block Mounting Channel, 1 M Galvanized Steel	28.17	7.70
27 11 19 00-0118	EA Terminal Block Mounting Channel, 2 M Galvanized Steel	38.17	7.70
27 11 19 00-0119	EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	28.30	9.24
27 11 19 00-0120	EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	37.79	9.24
27 11 19 00-0121	EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	53.26	9.24

27 11 19 00-0122	Outlet Termination Hardware <small>(27 11 19 00-0103)</small>		
27 11 19 00-0123	EA Telephone Outlet Blocks	40.44	7.70
27 11 19 00-0124	EA Phone Outlet Block For Floor Box Note: Excludes box.	127.18	58.45
27 11 19 00-0125	EA Fiber Optic "SC" Type Modular Bulkhead	105.22	34.61
27 11 19 00-0126	EA Fiber Optic "ST" Type Modular Bulkhead	105.22	34.61
27 11 19 00-0127	EA Type "F" Coaxial Connector Male	62.65	23.07
27 11 19 00-0128	EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	153.42	38.46
27 11 19 00-0129	EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	153.42	38.46
27 11 19 00-0130	EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	181.93	38.46
27 11 19 00-0131	EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	181.93	38.46
27 11 19 00-0132	EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	166.92	38.46
27 11 19 00-0133	EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,392.71	192.28
27 11 19 00-0134	EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	72.76	15.39
27 11 19 00-0135	EA 5-Pair, Connecting Block	4.49	1.54
27 11 19 00-0136	EA 4-Pair, Connecting Block	4.81	1.54
27 11 19 00-0137	EA Plastic Label Holder, Transparent	18.35	3.85
27 11 19 00-0138	EA Marked Label, White, 5-Pair	5.11	
27 11 19 00-0139	EA Marked Label, Blue, 4-Pair	5.11	

27 11 19 00-0140	Terminations in Manhole or Junction Box <small>(27 11 19 00-0103)</small>		
27 11 19 00-0141	EA 25 Pair Cable Termination In Manhole Or Junction Box	246.12	
27 11 19 00-0142	EA 50 Pair Cable Termination In Manhole Or Junction Box	492.23	
27 11 19 00-0143	EA 100 Pair Cable Termination In Manhole Or Junction Box	984.46	
27 11 19 00-0144	EA 150 Pair Cable Termination In Manhole Or Junction Box	1,476.69	
27 11 19 00-0145	EA 200 Pair Cable Termination In Manhole Or Junction Box	1,727.41	
27 11 19 00-0146	EA 300 Pair Cable Termination In Manhole Or Junction Box	2,590.36	
27 11 19 00-0147	EA 400 Pair Cable Termination In Manhole Or Junction Box	3,257.93	
27 11 19 00-0148	EA 500 Pair Cable Termination In Manhole Or Junction Box	4,073.19	
27 11 19 00-0149	EA 750 Pair Cable Termination In Manhole Or Junction Box	6,109.75	
27 11 19 00-0150	EA 1,000 Pair Cable Termination In Manhole Or Junction Box	7,409.51	
27 11 19 00-0151	EA 1,200 Pair Cable Termination In Manhole Or Junction Box	8,444.86	

27 11 23 Communications Cable Management and Ladder Rack (27 11)

27 11 23 00-0001	Equipment Supports <small>(27 11 23)</small>		
27 11 23 00-0002	EA 110 Jumper Trough (Commscope 107831133)	42.17	7.69
27 11 23 00-0003	LF Velcro CMP	3.61	1.54
27 11 23 00-0004	EA 12" x 5'-11" Tubular Runway	138.34	36.91
27 11 23 00-0005	EA 12" x 9'-11" Tubular Runway	238.67	61.53
27 11 23 00-0006	EA Shelf Bracket Support For Tubular Runway	43.91	11.54
27 11 23 00-0007	EA Straight Clamp Hardware For Tubular Runway	19.70	7.69
27 11 23 00-0008	EA Corner Clamp Hardware For Tubular Runway	20.77	7.69
27 11 23 00-0009	EA 90 Degree Edge Clamp Hardware For Tubular Runway	46.39	13.84
27 11 23 00-0010	EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway	96.68	23.07
27 11 23 00-0011	EA J-Bolt Hardware For Tubular Runway	9.16	3.39
27 11 23 00-0012	EA T Bracket Hardware For Tubular Runway	50.79	19.22

27 13 Communications Backbone Cabling (27 10)

27 13 13 Communications Copper Backbone Cabling (27 13)



		Communications	27
		Structured Cabling	27 10
		Communications Backbone Cabling	27 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)

27 13 13 13-0001 Modular Plugs For Copper Communications Cable (27 13 13 13)

27 13 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable.....	36.35	
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-4.61	
		For >10, Deduct	-9.21	
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable.....	41.39	
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-5.18	
		For >10, Deduct	-10.37	

27 13 13 13-0004 Communications Termination Blocks (27 13 13 13)

27 13 13 13-0005	EA	100-Pair, 110 Block With Legs.....	69.39	19.22
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs.....	114.38	19.22
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block.....	16.26	7.69
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block.....	9.05	3.85
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block.....	9.22	3.85
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System.....	356.12	23.07
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System.....	666.74	23.07
		Note: Includes twelve 8-pin modular jacks and mounting legs.		

27 13 13 13-0012 Testing And Certification Of Copper Communications Cable (27 13 13 13)

Note: Use for existing systems.

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity.....	7.69	
		For >25-Pair, Deduct	-3.07	
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable.....	11.54	
		For >25-Pair, Deduct	-4.61	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable.....	18.46	
		For >25-Pair, Deduct	-7.37	
27 13 13 13-0016	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity.....	30.76	
		For >25-Pair, Deduct	-12.28	
27 13 13 13-0017	EA	Certify 4-Pair Category 5-7 Telecommunications Cable.....	46.15	
		For >25-Pair, Deduct	-18.43	
27 13 13 13-0018	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable.....	73.84	
		For >25-Pair, Deduct	-29.48	

27 13 13 13-0019 Building Entrance Terminals (27 13 13 13)

27 13 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,009.38	337.33
27 13 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	4,038.05	562.21
27 13 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	5,738.85	900.23

27 13 23 Communications Optical Fiber Backbone Cabling (27 13)

27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)

27 13 23 13-0001 Fiber Optic Cable Splice Closures (27 13 23 13)

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 13 23 13-0002	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,041.13	153.82
27 13 23 13-0003	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,348.76	307.65
27 13 23 13-0004	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,348.76	307.65
27 13 23 13-0005	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,704.81	153.82
27 13 23 13-0006	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	2,012.44	307.65
27 13 23 13-0007	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	2,012.44	307.65
27 13 23 13-0008	EA	Splice Tray For Fiber Optic Cable Splice Closure.....	75.43	19.22
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		

27 13 23 13-0009 Fiber Optic Cable Splicing (27 13 23 13)

27 13 23 13-0010	EA	Single Strand, Fusion Splice Of Fiber Optic Cable.....	46.15	
27 13 23 13-0011	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	153.82	

27 13 23 13-0012 Fiber Optic Cable Testing (27 13 23 13)

Note: Price based on testing one wavelength.

27 13 23 13-0013 Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0012)

Note: Testing using an optical time domain reflectometer.

27 13 23 13-0014	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	30.76	
		For >12 To 48 Strands, Deduct	-2.31	
		For >48 Strands, Deduct	-3.08	
27 13 23 13-0015	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	46.15	
		For >12 To 48 Strands, Deduct	-3.46	
		For >48 Strands, Deduct	-4.62	
27 13 23 13-0016	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	76.91	
		For >12 To 48 Strands, Deduct	-5.77	
		For >48 Strands, Deduct	-7.69	

27	27	Communications
	27 10	Structured Cabling
	27 13	Communications Backbone Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0017 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	115.36 -8.65 -11.54	
27 13 23 13-0018 Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0012)		
27 13 23 13-0019 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	30.76 -2.31 -3.08	
27 13 23 13-0020 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	46.15 -3.46 -4.62	
27 13 23 13-0021 Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0012)		
27 13 23 13-0022 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	30.76 -2.31 -3.08	
27 13 23 13-0023 Other Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0024 EA Fiber Optic Finger Splice	48.76	28.92
27 13 23 13-0025 EA Fiber Optic Splice Box - Manholes.....	5,955.82	
27 13 23 13-0026 Fiber Optic Cable Fan Out Kits (27 13 23 13)		
27 13 23 13-0027 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)		
27 13 23 13-0028 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	327.36	
27 13 23 13-0029 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	331.13	
27 13 23 13-0030 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	362.93	
27 13 23 13-0031 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	386.78	
27 13 23 13-0032 Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0033 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	373.75	
27 13 23 13-0034 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	399.02	
27 13 23 13-0035 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	585.87	
27 13 23 13-0036 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	764.96	
27 15 Communications Horizontal Cabling (27 10)		
27 15 01 Communications Horizontal Cabling Applications (27 15)		
27 15 01 13 Video Surveillance Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
27 15 01 15 Access Control Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
27 15 01 16 Voice Communications Horizontal Cabling (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
27 15 01 17 Intrusion Detection Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.		
27 15 01 19 Fire Alarm Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 01 19-0001 Fire Alarm/Life Safety Cable (27 15 01 19)		
27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0002)		
27 15 01 19-0004 MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,334.06	1,046.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0005 MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,788.17	1,084.44
27 15 01 19-0006 MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,660.04	1,189.66
27 15 01 19-0007 MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,376.98	1,232.11
27 15 01 19-0008 MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,042.47	1,331.78
27 15 01 19-0009 MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,058.75	1,379.78
27 15 01 19-0010 MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,826.21	1,522.84
27 15 01 19-0011 MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	5,397.38	1,577.13
27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0002)</small>		
27 15 01 19-0013 MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,078.41	2,093.51
27 15 01 19-0014 MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,595.58	2,168.88
27 15 01 19-0015 MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,642.80	2,379.62
27 15 01 19-0016 MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,430.49	2,464.22
27 15 01 19-0017 MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,262.12	2,664.19
27 15 01 19-0018 MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,358.38	2,759.55
27 15 01 19-0019 MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,364.26	3,045.66
27 15 01 19-0020 MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	8,026.19	3,154.88
27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0001)</small>		
27 15 01 19-0022 MLF 2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,555.74	856.47
27 15 01 19-0023 MLF 4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,667.12	886.94
27 15 01 19-0024 MLF 2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,894.45	1,046.61
27 15 01 19-0025 MLF 3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,000.95	1,065.52
27 15 01 19-0026 MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,068.15	1,084.44
27 15 01 19-0027 MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,276.58	1,122.28
27 15 01 19-0028 MLF 8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,569.23	1,160.12
27 15 01 19-0029 MLF 2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,198.01	1,189.66
27 15 01 19-0030 MLF 4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,430.78	1,232.11
27 15 01 19-0031 MLF 2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,528.13	1,331.78
27 15 01 19-0032 MLF 4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,884.61	1,379.78
27 15 01 19-0033 MLF 2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,045.52	1,522.84
27 15 01 19-0034 MLF 4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,611.48	1,577.13
27 15 01 19-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small>		
27 15 01 19-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0035)</small>		
27 15 01 19-0037 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,545.64	856.47
27 15 01 19-0038 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,887.89	1,046.61
27 15 01 19-0039 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,064.34	1,065.52
27 15 01 19-0040 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,085.70	1,084.44
27 15 01 19-0041 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,368.18	1,122.28
27 15 01 19-0042 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,188.10	1,189.66

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0043 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,453.02	1,232.11
27 15 01 19-0044 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,483.52	1,331.78
27 15 01 19-0045 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,061.90	1,379.78
27 15 01 19-0046 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,030.94	1,522.84
27 15 01 19-0047 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,880.63	1,577.13
27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0035)</small>		
27 15 01 19-0049 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,973.11	1,713.57
27 15 01 19-0050 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,632.24	2,093.51
27 15 01 19-0051 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,839.44	2,130.43
27 15 01 19-0052 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,893.11	2,168.88
27 15 01 19-0053 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,238.65	2,244.25
27 15 01 19-0054 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,170.86	2,379.62
27 15 01 19-0055 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,506.53	2,464.22
27 15 01 19-0056 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,703.17	2,664.19
27 15 01 19-0057 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,361.53	2,759.55
27 15 01 19-0058 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,568.99	3,045.66
27 15 01 19-0059 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	6,509.44	3,154.88
27 15 01 19-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small>		
27 15 01 19-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0060)</small>		
27 15 01 19-0062 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,587.20	856.47
27 15 01 19-0063 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,917.56	1,046.61
27 15 01 19-0064 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,174.51	1,065.52
27 15 01 19-0065 MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,116.08	1,084.44
27 15 01 19-0066 MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,399.24	1,122.28
27 15 01 19-0067 MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,256.31	1,189.66
27 15 01 19-0068 MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,484.57	1,232.11
27 15 01 19-0069 MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,630.63	1,331.78
27 15 01 19-0070 MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,988.14	1,379.78
27 15 01 19-0071 MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,139.80	1,522.84
27 15 01 19-0072 MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,656.67	1,577.13
27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0060)</small>		
27 15 01 19-0074 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,014.67	1,713.57
27 15 01 19-0075 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,661.91	2,093.51
27 15 01 19-0076 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,949.61	2,130.43
27 15 01 19-0077 MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,923.49	2,168.88
27 15 01 19-0078 MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,269.71	2,244.25
27 15 01 19-0079 MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,239.07	2,379.62
27 15 01 19-0080 MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,538.08	2,464.22



Communications	27	
Structured Cabling	27 10	27
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0081 MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,850.28	2,664.19
27 15 01 19-0082 MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,287.77	2,759.55
27 15 01 19-0083 MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,677.85	3,045.66
27 15 01 19-0084 MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,285.48	3,154.88
27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0085)		
27 15 01 19-0087 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,555.58	856.47
27 15 01 19-0088 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,946.94	1,046.61
27 15 01 19-0089 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,078.94	1,065.52
27 15 01 19-0090 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,190.67	1,084.44
27 15 01 19-0091 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,434.40	1,122.28
27 15 01 19-0092 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,239.71	1,189.66
27 15 01 19-0093 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,569.59	1,232.11
27 15 01 19-0094 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,600.93	1,331.78
27 15 01 19-0095 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,183.68	1,379.78
27 15 01 19-0096 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,100.01	1,522.84
27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0085)		
27 15 01 19-0098 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,983.05	1,713.57
27 15 01 19-0099 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,691.29	2,093.51
27 15 01 19-0100 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,854.04	2,130.43
27 15 01 19-0101 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,998.08	2,168.88
27 15 01 19-0102 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,304.87	2,244.25
27 15 01 19-0103 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,222.47	2,379.62
27 15 01 19-0104 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,623.10	2,464.22
27 15 01 19-0105 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,820.58	2,664.19
27 15 01 19-0106 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,483.31	2,759.55
27 15 01 19-0107 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,638.06	3,045.66
27 15 13 Communications Copper Horizontal Cabling (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 13 00-0001 Copper Telecommunications Cable (27 15 13)		
27 15 13 00-0002 Indoor Telecommunications Cable (27 15 13 00-0001)		
Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
27 15 13 00-0003 Category 3, Indoor Telecommunications Cable (27 15 13 00-0002)		
Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0004 Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0003)		
27 15 13 00-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)		
27 15 13 00-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0005)		
27 15 13 00-0007 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,183.58	646.05
27 15 13 00-0008 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,229.17	646.05
27 15 13 00-0009 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,245.28	646.05
27 15 13 00-0010 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,489.83	738.35
27 15 13 00-0011 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,825.44	738.35

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0012 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,358.34	738.35
27 15 13 00-0013 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,673.52	922.93
27 15 13 00-0014 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,578.10	1,476.69
27 15 13 00-0015 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,791.81	1,661.27
27 15 13 00-0016 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,558.21	1,845.86
27 15 13 00-0017 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,866.08	2,584.20
27 15 13 00-0018 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	22,040.40	3,193.33
27 15 13 00-0019 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,710.78	4,430.06
27 15 13 00-0020 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	56,946.00	8,860.12
27 15 13 00-0021 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	77,844.52	13,290.17
27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0005)</small>		
27 15 13 00-0023 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,260.33	1,292.10
<i>For Work In Restricted Working Space, Add</i>	646.05	
27 15 13 00-0024 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,305.92	1,292.10
<i>For Work In Restricted Working Space, Add</i>	646.05	
27 15 13 00-0025 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,322.03	1,292.10
<i>For Work In Restricted Working Space, Add</i>	646.05	
27 15 13 00-0026 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,412.75	1,292.10
<i>For Work In Restricted Working Space, Add</i>	646.05	
27 15 13 00-0027 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,748.36	1,292.10
<i>For Work In Restricted Working Space, Add</i>	646.05	
27 15 13 00-0028 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,588.90	1,476.69
<i>For Work In Restricted Working Space, Add</i>	738.34	
27 15 13 00-0029 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	5,211.74	1,845.86
<i>For Work In Restricted Working Space, Add</i>	922.93	
27 15 13 00-0030 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,808.68	2,215.03
<i>For Work In Restricted Working Space, Add</i>	1,107.52	
27 15 13 00-0031 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	10,176.20	2,491.91
<i>For Work In Restricted Working Space, Add</i>	1,245.95	
27 15 13 00-0032 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	13,096.43	2,768.79
<i>For Work In Restricted Working Space, Add</i>	1,384.40	
27 15 13 00-0033 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	19,019.58	3,876.30
<i>For Work In Restricted Working Space, Add</i>	1,938.15	
27 15 13 00-0034 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	24,716.90	4,799.23
<i>For Work In Restricted Working Space, Add</i>	2,399.62	
27 15 13 00-0035 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	38,402.50	6,645.09
<i>For Work In Restricted Working Space, Add</i>	3,322.55	
27 15 13 00-0036 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	64,329.43	13,290.17
<i>For Work In Restricted Working Space, Add</i>	6,645.09	
27 15 13 00-0037 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	88,919.68	19,935.27
<i>For Work In Restricted Working Space, Add</i>	9,967.64	
27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0004)</small>		
27 15 13 00-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0038)</small>		
27 15 13 00-0040 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,685.65	738.35
27 15 13 00-0041 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,435.31	922.93
27 15 13 00-0042 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,862.26	1,476.69
27 15 13 00-0043 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,278.59	1,845.86
27 15 13 00-0044 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,373.15	2,584.20
27 15 13 00-0045 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	32,997.30	3,193.33
27 15 13 00-0046 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	48,830.38	4,430.06
27 15 13 00-0047 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0038)</small>		
27 15 13 00-0048 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,916.21	1,476.69
<i>For Work In Restricted Working Space, Add</i>	738.34	
27 15 13 00-0049 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	6,973.53	1,845.86
<i>For Work In Restricted Working Space, Add</i>	922.93	
27 15 13 00-0050 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	11,092.84	2,215.03
<i>For Work In Restricted Working Space, Add</i>	1,107.52	
27 15 13 00-0051 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	18,816.81	2,768.79
<i>For Work In Restricted Working Space, Add</i>	1,384.40	
27 15 13 00-0052 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	27,526.65	3,876.30
<i>For Work In Restricted Working Space, Add</i>	1,938.15	
27 15 13 00-0053 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	35,673.80	4,799.23
<i>For Work In Restricted Working Space, Add</i>	2,399.62	
27 15 13 00-0054 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	52,522.10	6,645.09
<i>For Work In Restricted Working Space, Add</i>	3,322.55	
27 15 13 00-0055 Category 3, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0003)</small>		
27 15 13 00-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0055)</small>		



Communications	27	
Structured Cabling	27 10	27
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0056)</small>		
27 15 13 00-0058 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,220.45	646.05
27 15 13 00-0059 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,265.86	646.05
27 15 13 00-0060 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,299.82	646.05
27 15 13 00-0061 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,551.07	738.35
27 15 13 00-0062 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,916.91	738.35
27 15 13 00-0063 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,908.58	738.35
27 15 13 00-0064 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,793.77	922.93
27 15 13 00-0065 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,925.33	1,476.69
27 15 13 00-0066 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,236.46	1,845.86
27 15 13 00-0067 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,777.57	2,584.20
27 15 13 00-0068 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0056)</small>		
27 15 13 00-0069 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,297.20	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0070 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,342.61	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0071 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,376.57	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0072 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,473.99	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0073 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,839.83	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0074 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,139.14	1,476.69
<i>For Work In Restricted Working Space, Add</i>	<i>738.34</i>	
27 15 13 00-0075 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,331.99	1,845.86
<i>For Work In Restricted Working Space, Add</i>	<i>922.93</i>	
27 15 13 00-0076 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	10,155.91	2,215.03
<i>For Work In Restricted Working Space, Add</i>	<i>1,107.52</i>	
27 15 13 00-0077 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	16,774.68	2,768.79
<i>For Work In Restricted Working Space, Add</i>	<i>1,384.40</i>	
27 15 13 00-0078 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	24,931.07	3,876.30
<i>For Work In Restricted Working Space, Add</i>	<i>1,938.15</i>	
27 15 13 00-0079 Category 5E, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0080 Category 5E, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0079)</small>		
27 15 13 00-0081 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0080)</small>		
27 15 13 00-0082 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,224.88	646.05
27 15 13 00-0083 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,259.58	646.05
27 15 13 00-0084 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,414.07	738.35
27 15 13 00-0085 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,448.76	738.35
27 15 13 00-0086 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0080)</small>		
27 15 13 00-0087 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,301.63	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0088 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,336.33	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0089 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,644.63	1,476.69
<i>For Work In Restricted Working Space, Add</i>	<i>738.34</i>	
27 15 13 00-0090 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,679.32	1,476.69
<i>For Work In Restricted Working Space, Add</i>	<i>738.34</i>	
27 15 13 00-0091 Category 5E, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0079)</small>		
27 15 13 00-0092 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0091)</small>		
27 15 13 00-0093 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,352.47	646.05
27 15 13 00-0094 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,777.41	738.35
27 15 13 00-0095 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0091)</small>		
27 15 13 00-0096 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,429.22	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 13 00-0097 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	3,007.97	1,476.69
<i>For Work In Restricted Working Space, Add</i>	<i>738.34</i>	
27 15 13 00-0098 Category 6, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0099 Category 6, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0098)</small>		

27	27	Communications
	27 10	Structured Cabling
	27 15	Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0100	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit ^(27 15 13 00-0099)	
27 15 13 00-0101	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,523.74 646.05
27 15 13 00-0102	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,573.72 646.05
27 15 13 00-0103	Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 15 13 00-0099)	
27 15 13 00-0104	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,600.49 1,292.10 646.05
27 15 13 00-0105	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,650.47 1,292.10 646.05
27 15 13 00-0106	Category 6, Indoor Telecommunications Plenum Cable ^(27 15 13 00-0098)	
27 15 13 00-0107	Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 15 13 00-0106)	
27 15 13 00-0108	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,775.23 646.05
27 15 13 00-0109	Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 15 13 00-0106)	
27 15 13 00-0110	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,851.98 1,292.10 646.05
27 15 13 00-0111	Category 6a, Indoor Telecommunications Cable ^(27 15 13 00-0002)	
27 15 13 00-0112	Category 6a, Indoor Telecommunications Riser Cable ^(27 15 13 00-0111)	
27 15 13 00-0113	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit ^(27 15 13 00-0112)	
27 15 13 00-0114	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,603.60 646.05
27 15 13 00-0115	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 15 13 00-0112)	
27 15 13 00-0116	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,680.35 1,292.10 646.05
27 15 13 00-0117	Category 6a, Indoor Telecommunications Plenum Cable ^(27 15 13 00-0111)	
27 15 13 00-0118	Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 15 13 00-0117)	
27 15 13 00-0119	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,956.77 646.05
27 15 13 00-0120	Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 15 13 00-0117)	
27 15 13 00-0121	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,033.52 1,292.10 646.05
27 15 13 00-0122	Category 7, Indoor Telecommunications Cable ^(27 15 13 00-0002)	
27 15 13 00-0123	Category 7, Indoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0122)	
27 15 13 00-0124	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,261.61 738.35
27 15 13 00-0125	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	5,038.51 738.35
27 15 13 00-0126	Category 7, Indoor Telecommunications Cable, Installed Exposed ^(27 15 13 00-0122)	
27 15 13 00-0127	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,492.17 1,476.69 738.34
27 15 13 00-0128	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,269.07 1,476.69 738.34
27 15 13 00-0129	Outdoor Telecommunications Cable ^(27 15 13 00-0001) Note: Cable buried in trench excludes excavation.	
27 15 13 00-0130	PE-89 Outdoor Telecommunications Cable ^(27 15 13 00-0129) Note: Includes foam-skin polyolefin insulated conductors.	
27 15 13 00-0131	24 AWG, PE-89 Outdoor Telecommunications Cable ^(27 15 13 00-0130)	
27 15 13 00-0132	24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0131)	
27 15 13 00-0133	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,099.56 738.35
27 15 13 00-0134	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,467.11 1,292.10
27 15 13 00-0135	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,412.70 830.64
27 15 13 00-0136	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,074.91 922.93
27 15 13 00-0137	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	7,189.44 1,292.10
27 15 13 00-0138	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,999.82 1,476.69



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0139 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,176.36	1,661.27
27 15 13 00-0140 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,296.31	2,399.62
27 15 13 00-0141 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	29,530.49	3,137.96
27 15 13 00-0142 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	40,100.19	4,245.48
27 15 13 00-0143 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	63,893.94	8,490.95
27 15 13 00-0144 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	87,631.36	12,551.83
27 15 13 00-0145 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0131)</small>		
27 15 13 00-0146 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,868.82	
27 15 13 00-0147 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,236.37	
27 15 13 00-0148 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,105.06	
27 15 13 00-0149 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,767.28	
27 15 13 00-0150 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,727.98	
27 15 13 00-0151 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,230.72	
27 15 13 00-0152 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,868.71	
27 15 13 00-0153 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,373.38	
27 15 13 00-0154 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	27,607.72	
27 15 13 00-0155 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	36,716.12	
27 15 13 00-0156 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	54,664.64	
27 15 13 00-0157 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	74,095.06	
27 15 13 00-0158 22 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 15 13 00-0130)</small>		
27 15 13 00-0159 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0158)</small>		
27 15 13 00-0160 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,333.23	738.35
27 15 13 00-0161 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,903.67	738.35
27 15 13 00-0162 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,306.30	830.64
27 15 13 00-0163 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,665.41	922.93
27 15 13 00-0164 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,674.95	1,292.10
27 15 13 00-0165 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,378.81	1,476.69
27 15 13 00-0166 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,694.90	1,661.27
27 15 13 00-0167 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	31,593.06	2,399.62
27 15 13 00-0168 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	42,063.31	3,137.96
27 15 13 00-0169 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	61,986.44	4,245.48
27 15 13 00-0170 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	91,534.47	8,490.95
27 15 13 00-0171 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	128,984.13	12,551.83
27 15 13 00-0172 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0158)</small>		
27 15 13 00-0173 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,102.49	
27 15 13 00-0174 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,672.93	
27 15 13 00-0175 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,998.66	
27 15 13 00-0176 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,357.78	
27 15 13 00-0177 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,213.49	
27 15 13 00-0178 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,917.35	
27 15 13 00-0179 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,387.25	
27 15 13 00-0180 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,670.13	
27 15 13 00-0181 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	40,140.54	
27 15 13 00-0182 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	58,602.37	
27 15 13 00-0183 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	82,305.17	
27 15 13 00-0184 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	115,447.83	
27 15 13 00-0185 19 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 15 13 00-0130)</small>		
27 15 13 00-0186 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0185)</small>		
27 15 13 00-0187 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,061.07	830.64
27 15 13 00-0188 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,050.10	922.93
27 15 13 00-0189 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	19,253.33	1,292.10
27 15 13 00-0190 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	23,044.33	1,476.69
27 15 13 00-0191 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0185)</small>		
27 15 13 00-0192 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,753.43	
27 15 13 00-0193 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,742.47	
27 15 13 00-0194 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	18,791.87	
27 15 13 00-0195 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,582.87	
27 15 13 00-0196 PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0129)</small>		
Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197 24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
27 15 13 00-0198 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0197)</small>		
27 15 13 00-0199 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,055.34	1,292.10
27 15 13 00-0200 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,505.00	1,292.10

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0201 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,412.18	1,292.10
27 15 13 00-0202 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,045.82	1,292.10
27 15 13 00-0203 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,359.10	1,292.10
27 15 13 00-0204 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,701.59	1,661.27
27 15 13 00-0205 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,376.79	2,399.62
27 15 13 00-0206 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	32,065.53	3,137.96
27 15 13 00-0207 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	43,801.54	4,245.48
27 15 13 00-0208 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	68,680.71	8,490.95
27 15 13 00-0209 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	100,046.31	12,551.83
27 15 13 00-0210 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13		
<small>00-0197</small>		
27 15 13 00-0211 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,593.88	
27 15 13 00-0212 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,043.54	
27 15 13 00-0213 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,950.72	
27 15 13 00-0214 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,584.36	
27 15 13 00-0215 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,897.64	
27 15 13 00-0216 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,393.94	
27 15 13 00-0217 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,453.86	
27 15 13 00-0218 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	30,142.76	
27 15 13 00-0219 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	40,417.47	
27 15 13 00-0220 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	59,451.41	
27 15 13 00-0221 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	86,510.01	
27 15 13 00-0222 22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0196)		
27 15 13 00-0223 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27		
<small>15 13 00-0222)</small>		
27 15 13 00-0224 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,315.30	1,292.10
27 15 13 00-0225 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,976.06	1,292.10
27 15 13 00-0226 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,382.19	1,292.10
27 15 13 00-0227 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	7,968.97	1,292.10
27 15 13 00-0228 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,367.24	1,292.10
27 15 13 00-0229 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,415.18	1,661.27
27 15 13 00-0230 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,763.00	2,399.62
27 15 13 00-0231 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	45,836.93	3,137.96
27 15 13 00-0232 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	63,979.81	4,245.48
27 15 13 00-0233 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	101,354.01	8,490.95
27 15 13 00-0234 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13		
<small>00-0222)</small>		
27 15 13 00-0235 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,853.84	
27 15 13 00-0236 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,514.60	
27 15 13 00-0237 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,920.73	
27 15 13 00-0238 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,507.51	
27 15 13 00-0239 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	12,905.78	
27 15 13 00-0240 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	24,107.53	
27 15 13 00-0241 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,840.07	
27 15 13 00-0242 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	43,914.16	
27 15 13 00-0243 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	60,595.74	
27 15 13 00-0244 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	92,124.71	
27 15 13 00-0245 19 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0196)		
27 15 13 00-0246 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27		
<small>15 13 00-0245)</small>		
27 15 13 00-0247 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,497.10	1,292.10
27 15 13 00-0248 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,743.43	1,292.10
27 15 13 00-0249 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,622.47	1,292.10
27 15 13 00-0250 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13		
<small>00-0245)</small>		
27 15 13 00-0251 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,035.64	
27 15 13 00-0252 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,281.97	
27 15 13 00-0253 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	24,161.01	
27 15 13 00-0254 (Aerial) Outdoor Telecommunications Cable (27 15 13 00-0129)		
Note: Includes support wire.		
27 15 13 00-0255 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27		
<small>15 13 00-0254)</small>		
27 15 13 00-0256 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,849.48	2,544.49
27 15 13 00-0257 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,223.62	2,544.49
27 15 13 00-0258 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,152.54	2,544.49
27 15 13 00-0259 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,872.41	2,544.49
27 15 13 00-0260 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,194.33	2,544.49
27 15 13 00-0261 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	22,400.65	2,798.94
27 15 13 00-0262 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	29,648.07	3,053.40



Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0263 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0264)		
27 15 13 00-0264 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,297.10	2,544.49
27 15 13 00-0265 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,849.87	2,544.49
27 15 13 00-0266 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,181.28	2,544.49
27 15 13 00-0267 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,811.59	2,544.49
27 15 13 00-0268 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,814.70	2,544.49
27 15 13 00-0269 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	30,536.36	2,798.94
27 15 13 00-0270 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0274)		
27 15 13 00-0271 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,888.89	2,544.49
27 15 13 00-0272 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,138.96	2,544.49
27 15 13 00-0273 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,596.80	2,544.49
27 15 13 00-0274 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	18,512.52	2,544.49
27 15 13 00-0275 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	28,604.24	2,544.49
27 15 13 00-0276 Solid Conductor Low Voltage Cable ^(27 15 13)		
27 15 13 00-0277 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0276)		
27 15 13 00-0278 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)		
27 15 13 00-0279 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,693.54	1,391.46
For #10 AWG, Add	587.36	
27 15 13 00-0280 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,092.38	1,440.65
For #10 AWG, Add	708.25	
27 15 13 00-0281 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,446.85	1,491.25
For #10 AWG, Add	814.45	
27 15 13 00-0282 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,821.29	1,541.85
For #10 AWG, Add	926.86	
27 15 13 00-0283 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,266.20	1,645.86
For #10 AWG, Add	1,051.14	
27 15 13 00-0284 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,677.95	1,748.45
For #10 AWG, Add	1,164.79	
27 15 13 00-0285 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,116.81	1,956.47
For #10 AWG, Add	1,264.73	
27 15 13 00-0286 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,773.22	2,579.12
For #10 AWG, Add	1,676.46	
27 15 13 00-0287 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,059.88	3,808.94
For #10 AWG, Add	2,494.70	
27 15 13 00-0288 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)		
27 15 13 00-0289 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,385.72	1,217.18
27 15 13 00-0290 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,761.08	1,260.75
27 15 13 00-0291 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,093.62	1,304.31
27 15 13 00-0292 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,443.89	1,349.29
27 15 13 00-0293 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,855.12	1,440.65
27 15 13 00-0294 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,234.18	1,530.61
27 15 13 00-0295 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,627.15	1,711.91
27 15 13 00-0296 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,125.02	2,255.85
27 15 13 00-0297 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,102.50	3,332.47
27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)		
27 15 13 00-0299 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,126.57	1,086.46

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0300 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,381.62	1,125.82
27 15 13 00-0301 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,750.54	1,165.17
27 15 13 00-0302 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,060.85	1,204.52
27 15 13 00-0303 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,424.25	1,286.05
27 15 13 00-0304 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,760.37	1,366.16
27 15 13 00-0305 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,934.65	1,447.68
27 15 13 00-0306 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,110.34	1,529.19
27 15 13 00-0307 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,532.33	1,626.18
27 15 13 00-0308 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,439.92	2,014.10
27 15 13 00-0309 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,083.65	2,975.47
27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)		
27 15 13 00-0311 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,816.18	957.16
27 15 13 00-0312 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,061.76	990.89
27 15 13 00-0313 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,280.70	1,024.62
27 15 13 00-0314 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,509.81	1,059.75
27 15 13 00-0315 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,790.59	1,131.44
27 15 13 00-0316 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,051.72	1,201.72
27 15 13 00-0317 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,344.81	1,345.08
27 15 13 00-0318 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,425.07	1,772.35
27 15 13 00-0319 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,570.15	2,618.47
27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)		
27 15 13 00-0321 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,619.94	870.01
27 15 13 00-0322 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,817.32	900.94
27 15 13 00-0323 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,992.36	932.56
27 15 13 00-0324 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,175.97	964.18
27 15 13 00-0325 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,409.03	1,028.83
27 15 13 00-0326 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,626.48	1,093.49
27 15 13 00-0327 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,897.97	1,222.80
27 15 13 00-0328 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,816.14	1,612.12
27 15 13 00-0329 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,663.05	2,380.94
27 15 13 00-0330 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,948.55	2,437.16
27 15 13 00-0331 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,041.34	2,837.73
27 15 13 00-0332 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,549.80	3,037.32
27 15 13 00-0333 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,142.83	3,796.29
27 15 13 00-0334 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	12,314.84	4,998.01
27 15 13 00-0335 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)		
27 15 13 00-0336 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,393.69	782.87
27 15 13 00-0337 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,473.01	810.99



Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0338 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,566.27	839.09
27 15 13 00-0339 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,665.81	867.20
27 15 13 00-0340 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,824.87	926.24
27 15 13 00-0341 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,983.43	981.05
27 15 13 00-0342 Triad <small>(27 15 13 00-0277)</small>		
27 15 13 00-0343 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,488.04	1,165.17
27 15 13 00-0344 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,546.29	1,612.12
27 15 13 00-0345 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,100.97	2,380.94
27 15 13 00-0346 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	8,841.92	2,837.73
27 15 13 00-0347 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	14,474.58	4,396.45
27 15 13 00-0348 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	16,651.63	4,998.01
27 15 13 00-0349 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0276)</small>		
27 15 13 00-0350 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0351 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,012.83	2,782.92
For #10 AWG, Add	1,051.22	
For Work In Restricted Working Space, Add	1,391.58	
27 15 13 00-0352 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,494.19	2,881.30
For #10 AWG, Add	1,188.61	
For Work In Restricted Working Space, Add	1,441.08	
27 15 13 00-0353 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,931.56	2,982.50
For #10 AWG, Add	1,311.39	
For Work In Restricted Working Space, Add	1,490.83	
27 15 13 00-0354 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,391.83	3,083.70
For #10 AWG, Add	1,440.97	
For Work In Restricted Working Space, Add	1,542.32	
27 15 13 00-0355 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,010.10	3,291.72
For #10 AWG, Add	1,599.92	
For Work In Restricted Working Space, Add	1,646.34	
27 15 13 00-0356 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,592.82	3,496.92
For #10 AWG, Add	1,747.77	
For Work In Restricted Working Space, Add	1,748.92	
27 15 13 00-0357 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,376.99	3,912.95
For #10 AWG, Add	1,916.76	
For Work In Restricted Working Space, Add	1,956.11	
27 15 13 00-0358 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,070.90	5,158.24
For #10 AWG, Add	2,536.00	
For Work In Restricted Working Space, Add	2,578.61	
27 15 13 00-0359 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	16,406.48	7,617.89
For #10 AWG, Add	3,764.02	
For Work In Restricted Working Space, Add	3,807.96	
27 15 13 00-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0361 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,413.88	2,434.35
For Work In Restricted Working Space, Add	1,216.89	
27 15 13 00-0362 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,862.32	2,521.49
For Work In Restricted Working Space, Add	1,260.74	
27 15 13 00-0363 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,267.94	2,608.64
For Work In Restricted Working Space, Add	1,304.60	
27 15 13 00-0364 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,692.71	2,698.59
For Work In Restricted Working Space, Add	1,349.29	
27 15 13 00-0365 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,255.74	2,881.30
For Work In Restricted Working Space, Add	1,440.37	
27 15 13 00-0366 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,783.78	3,061.20
For Work In Restricted Working Space, Add	1,529.76	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0367 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,480.35	3,423.83
<i>For Work In Restricted Working Space, Add</i>	1,711.92	
27 15 13 00-0368 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,884.75	4,511.70
<i>For Work In Restricted Working Space, Add</i>	2,255.84	
27 15 13 00-0369 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	14,657.09	6,664.95
<i>For Work In Restricted Working Space, Add</i>	3,332.75	
27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0371 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,938.28	2,172.92
<i>For Work In Restricted Working Space, Add</i>	1,087.02	
27 15 13 00-0372 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,257.98	2,251.63
<i>For Work In Restricted Working Space, Add</i>	1,125.82	
27 15 13 00-0373 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,691.56	2,330.34
<i>For Work In Restricted Working Space, Add</i>	1,164.61	
27 15 13 00-0374 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,069.34	2,409.05
<i>For Work In Restricted Working Space, Add</i>	1,205.09	
27 15 13 00-0375 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,567.65	2,572.09
<i>For Work In Restricted Working Space, Add</i>	1,286.04	
27 15 13 00-0376 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,037.31	2,732.32
<i>For Work In Restricted Working Space, Add</i>	1,366.16	
27 15 13 00-0377 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,346.52	2,895.36
<i>For Work In Restricted Working Space, Add</i>	1,447.12	
27 15 13 00-0378 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,658.54	3,058.40
<i>For Work In Restricted Working Space, Add</i>	1,528.92	
27 15 13 00-0379 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,242.16	3,252.36
<i>For Work In Restricted Working Space, Add</i>	1,625.90	
27 15 13 00-0380 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,796.99	4,028.20
<i>For Work In Restricted Working Space, Add</i>	2,014.24	
27 15 13 00-0381 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,043.00	5,950.95
<i>For Work In Restricted Working Space, Add</i>	2,975.61	
27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0383 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,410.04	1,914.31
<i>For Work In Restricted Working Space, Add</i>	956.31	
27 15 13 00-0384 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,713.24	1,981.77
<i>For Work In Restricted Working Space, Add</i>	990.89	
27 15 13 00-0385 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,989.81	2,049.24
<i>For Work In Restricted Working Space, Add</i>	1,025.46	
27 15 13 00-0386 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,276.54	2,119.52
<i>For Work In Restricted Working Space, Add</i>	1,060.04	
27 15 13 00-0387 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,676.79	2,262.87
<i>For Work In Restricted Working Space, Add</i>	1,131.72	
27 15 13 00-0388 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,055.97	2,403.43
<i>For Work In Restricted Working Space, Add</i>	1,202.56	
27 15 13 00-0389 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,586.60	2,690.15
<i>For Work In Restricted Working Space, Add</i>	1,345.07	
27 15 13 00-0390 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,379.47	3,544.70
<i>For Work In Restricted Working Space, Add</i>	1,772.63	
27 15 13 00-0391 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,934.25	5,236.94
<i>For Work In Restricted Working Space, Add</i>	2,618.46	
27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0393 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,069.03	1,740.03
<i>For Work In Restricted Working Space, Add</i>	869.45	



	Communications	27
	Structured Cabling	27 10
	Communications Horizontal Cabling	27 15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,318.41 900.65	1,801.87
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,545.45 931.85	1,865.12
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,782.47 963.90	1,928.36
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,123.06 1,028.42	2,057.67
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,448.03 1,092.93	2,186.98
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,935.97 1,222.80	2,445.59
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,502.07 1,611.56	3,224.25
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,630.80 2,380.65	4,761.88
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,010.46 2,437.15	4,874.32
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,770.91 2,837.74	5,675.46
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,612.44 3,037.59	6,074.63
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	15,469.01 3,795.71	7,592.58
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	20,643.85 4,997.41	9,996.01
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0407		#22 AWG, Shielded, Low Voltage Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,698.02 782.59	1,565.74
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,823.70 810.42	1,621.96
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,964.76 839.09	1,678.18
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,112.08 867.77	1,734.41
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,368.13 925.95	1,852.46
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,619.45 981.61	1,962.09
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0414		Triad, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	3,488.04	1,165.17
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	4,546.29	1,612.12
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	7,100.97	2,380.94
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	8,841.92	2,837.73
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	14,474.58	4,396.45
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	16,651.63	4,998.01
27 15 13 00-0421		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>		
27 15 13 00-0422		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,242.28 608.45	1,217.18
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,496.38 630.37	1,260.75
		<i>For Work In Restricted Working Space, Add</i>		

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,724.85		1,304.31
		<i>For Work In Restricted Working Space, Add</i>	652.30		
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,964.48		1,349.29
		<i>For Work In Restricted Working Space, Add</i>	674.65		
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,268.83		1,439.24
		<i>For Work In Restricted Working Space, Add</i>	719.34		
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,557.00		1,529.19
		<i>For Work In Restricted Working Space, Add</i>	764.46		
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,915.51		1,711.91
		<i>For Work In Restricted Working Space, Add</i>	855.96		
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,176.17		2,255.85
		<i>For Work In Restricted Working Space, Add</i>	1,127.92		
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,679.24		3,332.47
		<i>For Work In Restricted Working Space, Add</i>	1,666.38		
27 15 13 00-0432		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>			
27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,000.26		1,086.46
		<i>For Work In Restricted Working Space, Add</i>	543.51		
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,224.32		1,125.82
		<i>For Work In Restricted Working Space, Add</i>	562.91		
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,425.79		1,165.17
		<i>For Work In Restricted Working Space, Add</i>	582.30		
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,638.68		1,204.52
		<i>For Work In Restricted Working Space, Add</i>	602.54		
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,909.03		1,284.63
		<i>For Work In Restricted Working Space, Add</i>	642.60		
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,165.28		1,366.16
		<i>For Work In Restricted Working Space, Add</i>	683.08		
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,323.78		1,447.68
		<i>For Work In Restricted Working Space, Add</i>	723.56		
27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,544.14		1,529.19
		<i>For Work In Restricted Working Space, Add</i>	764.46		
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,871.63		1,626.18
		<i>For Work In Restricted Working Space, Add</i>	812.91		
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,604.38		2,014.10
		<i>For Work In Restricted Working Space, Add</i>	1,007.12		
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,831.01		2,975.47
		<i>For Work In Restricted Working Space, Add</i>	1,488.02		
27 15 13 00-0444		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>			
27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,751.22		955.75
		<i>For Work In Restricted Working Space, Add</i>	478.16		
27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,933.67		990.89
		<i>For Work In Restricted Working Space, Add</i>	495.44		
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,056.40		1,026.03
		<i>For Work In Restricted Working Space, Add</i>	512.73		
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,211.72		1,059.75
		<i>For Work In Restricted Working Space, Add</i>	530.02		
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,418.01		1,131.44
		<i>For Work In Restricted Working Space, Add</i>	565.86		
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,622.91		1,203.12
		<i>For Work In Restricted Working Space, Add</i>	601.28		
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,088.35		1,345.08
		<i>For Work In Restricted Working Space, Add</i>	672.54		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0452 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,028.22 886.31	1,772.35
27 15 13 00-0453 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	5,536.97 1,309.23	2,618.47
27 15 13 00-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0455 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,560.17 434.72	870.01
27 15 13 00-0456 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,690.46 450.33	900.94
27 15 13 00-0457 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,972.15 512.73	1,026.03
27 15 13 00-0458 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,138.67 539.30	1,078.59
27 15 13 00-0459 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,302.40 565.86	1,131.44
27 15 13 00-0460 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,486.30 601.28	1,203.12
27 15 13 00-0461 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,746.94 669.59	1,338.89
27 15 13 00-0462 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,362.75 805.78	1,612.12
27 15 13 00-0463 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,982.97 1,190.33	2,380.94
27 15 13 00-0464 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	5,191.72 1,218.58	2,437.16
27 15 13 00-0465 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	6,113.96 1,418.87	2,837.73
27 15 13 00-0466 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	6,552.06 1,518.80	3,037.32
27 15 13 00-0467 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	8,012.92 1,897.86	3,796.29
27 15 13 00-0468 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	10,715.90 2,498.71	4,998.01
27 15 13 00-0469 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0470 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,377.96 391.29	782.87
27 15 13 00-0471 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,451.48 405.21	810.99
27 15 13 00-0472 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,541.78 419.54	839.09
27 15 13 00-0473 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,638.39 433.88	867.20
27 15 13 00-0474 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,781.03 462.98	926.24
27 15 13 00-0475 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,929.34 490.81	981.05
27 15 13 00-0476 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0276)</small>		
27 15 13 00-0477 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		

27	27	Communications
	27 10	Structured Cabling
	27 15	Communications Horizontal Cabling



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,270.44	2,434.35
		<i>For Work In Restricted Working Space, Add</i>	1,216.89	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,597.62	2,521.49
		<i>For Work In Restricted Working Space, Add</i>	1,260.74	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,899.17	2,608.64
		<i>For Work In Restricted Working Space, Add</i>	1,304.60	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,213.30	2,698.59
		<i>For Work In Restricted Working Space, Add</i>	1,349.29	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,666.64	2,878.49
		<i>For Work In Restricted Working Space, Add</i>	1,438.68	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,105.19	3,058.40
		<i>For Work In Restricted Working Space, Add</i>	1,528.92	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,768.71	3,423.83
		<i>For Work In Restricted Working Space, Add</i>	1,711.92	
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,935.90	4,511.70
		<i>For Work In Restricted Working Space, Add</i>	2,255.84	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,233.83	6,664.95
		<i>For Work In Restricted Working Space, Add</i>	3,332.75	
27 15 13 00-0487 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed				
		<i>(27 15 13 00-0478)</i>		
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,811.97	2,172.92
		<i>For Work In Restricted Working Space, Add</i>	1,087.02	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,100.68	2,251.63
		<i>For Work In Restricted Working Space, Add</i>	1,125.82	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,366.81	2,330.34
		<i>For Work In Restricted Working Space, Add</i>	1,164.61	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,647.17	2,409.05
		<i>For Work In Restricted Working Space, Add</i>	1,205.09	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,051.03	2,569.28
		<i>For Work In Restricted Working Space, Add</i>	1,285.20	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,442.22	2,732.32
		<i>For Work In Restricted Working Space, Add</i>	1,366.16	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,735.65	2,895.36
		<i>For Work In Restricted Working Space, Add</i>	1,447.12	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,092.34	3,058.40
		<i>For Work In Restricted Working Space, Add</i>	1,528.92	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,581.32	3,252.36
		<i>For Work In Restricted Working Space, Add</i>	1,625.81	
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,961.44	4,028.20
		<i>For Work In Restricted Working Space, Add</i>	2,014.24	
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,791.05	5,950.95
		<i>For Work In Restricted Working Space, Add</i>	2,976.03	
27 15 13 00-0499 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed				
		<i>(27 15 13 00-0478)</i>		
27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,345.08	1,911.50
		<i>For Work In Restricted Working Space, Add</i>	956.31	
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,585.15	1,981.77
		<i>For Work In Restricted Working Space, Add</i>	990.89	
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,765.51	2,052.05
		<i>For Work In Restricted Working Space, Add</i>	1,025.46	
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,978.45	2,119.52
		<i>For Work In Restricted Working Space, Add</i>	1,060.04	
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,304.21	2,262.87
		<i>For Work In Restricted Working Space, Add</i>	1,131.72	



	Communications	27
	Structured Cabling	27 10
	Communications Horizontal Cabling	27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0505 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,627.16	2,406.24
<i>For Work In Restricted Working Space, Add</i>	1,202.56	
27 15 13 00-0506 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,330.14	2,690.15
<i>For Work In Restricted Working Space, Add</i>	1,345.07	
27 15 13 00-0507 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,982.62	3,544.70
<i>For Work In Restricted Working Space, Add</i>	1,772.63	
27 15 13 00-0508 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,901.07	5,236.94
<i>For Work In Restricted Working Space, Add</i>	2,618.46	
27 15 13 00-0509 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0510 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,009.26	1,740.03
<i>For Work In Restricted Working Space, Add</i>	869.45	
27 15 13 00-0511 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,191.55	1,801.87
<i>For Work In Restricted Working Space, Add</i>	900.65	
27 15 13 00-0512 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,681.26	2,052.05
<i>For Work In Restricted Working Space, Add</i>	1,025.46	
27 15 13 00-0513 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,936.32	2,157.18
<i>For Work In Restricted Working Space, Add</i>	1,078.59	
27 15 13 00-0514 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,188.60	2,262.87
<i>For Work In Restricted Working Space, Add</i>	1,131.72	
27 15 13 00-0515 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,490.55	2,406.24
<i>For Work In Restricted Working Space, Add</i>	1,202.56	
27 15 13 00-0516 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,978.90	2,677.79
<i>For Work In Restricted Working Space, Add</i>	1,339.17	
27 15 13 00-0517 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,048.68	3,224.25
<i>For Work In Restricted Working Space, Add</i>	1,611.56	
27 15 13 00-0518 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,950.72	4,761.88
<i>For Work In Restricted Working Space, Add</i>	2,380.65	
27 15 13 00-0519 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,253.63	4,874.32
<i>For Work In Restricted Working Space, Add</i>	2,437.15	
27 15 13 00-0520 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,843.53	5,675.46
<i>For Work In Restricted Working Space, Add</i>	2,837.74	
27 15 13 00-0521 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,614.70	6,074.63
<i>For Work In Restricted Working Space, Add</i>	3,037.59	
27 15 13 00-0522 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,339.10	7,592.58
<i>For Work In Restricted Working Space, Add</i>	3,795.71	
27 15 13 00-0523 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	19,044.91	9,996.01
<i>For Work In Restricted Working Space, Add</i>	4,997.41	
27 15 13 00-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0525 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,682.29	1,565.74
<i>For Work In Restricted Working Space, Add</i>	782.59	
27 15 13 00-0526 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,802.17	1,621.96
<i>For Work In Restricted Working Space, Add</i>	810.42	
27 15 13 00-0527 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,940.27	1,678.18
<i>For Work In Restricted Working Space, Add</i>	839.09	
27 15 13 00-0528 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,084.66	1,734.41
<i>For Work In Restricted Working Space, Add</i>	867.77	
27 15 13 00-0529 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,324.29	1,852.46
<i>For Work In Restricted Working Space, Add</i>	925.95	
27 15 13 00-0530 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,565.36	1,962.09
<i>For Work In Restricted Working Space, Add</i>	981.61	

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0531		Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench <small>(27 15 13 00-0276)</small> Note: Excludes excavation.		
27 15 13 00-0532	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,170.87	
27 15 13 00-0533	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,536.77	
27 15 13 00-0534	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,861.52	
27 15 13 00-0535	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,204.59	
27 15 13 00-0536	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,599.33	
27 15 13 00-0537	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,963.34	
27 15 13 00-0538		Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) <small>(27 15 13 00-0276)</small>		
27 15 13 00-0539	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,303.72	742.20
27 15 13 00-0540	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,745.00	795.16
27 15 13 00-0541	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,555.16	1,005.23
27 15 13 00-0542	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	4,243.87	1,162.67
27 15 13 00-0543	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,921.99	1,325.21
27 15 13 00-0544	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	13,064.49	1,693.04
27 15 13 00-0545		Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>		
27 15 13 00-0546	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,074.52	1,086.46
27 15 13 00-0547	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,496.60	1,125.82
27 15 13 00-0548	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,794.45	1,165.17
27 15 13 00-0549	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,954.95	1,204.52
27 15 13 00-0550	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,538.94	1,284.63
27 15 13 00-0551	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,827.52	1,366.16
27 15 13 00-0552	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,781.04	1,529.19
27 15 13 00-0553	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,945.24	2,014.10
27 15 13 00-0554	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,022.59	2,975.47
27 15 13 00-0555	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,793.21	955.75
27 15 13 00-0556	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,139.87	990.89
27 15 13 00-0557	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,426.98	1,026.03
27 15 13 00-0558	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,570.19	1,059.75
27 15 13 00-0559	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,069.19	1,131.44
27 15 13 00-0560	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,443.11	1,203.12
27 15 13 00-0561	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,888.41	1,345.08
27 15 13 00-0562	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,026.06	1,772.35
27 15 13 00-0563	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,018.69	2,618.47
27 15 13 00-0564	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,585.53	870.01
27 15 13 00-0565	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,806.25	900.94
27 15 13 00-0566	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,020.19	931.86
27 15 13 00-0567	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,156.03	964.18
27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,346.69	1,028.83
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,560.70	1,093.49
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,867.86	1,222.80
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,951.22	1,612.12
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,000.23	2,380.94
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,323.63	2,437.16
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,460.39	2,837.73



Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0575 MLF 40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,044.50	3,037.32
27 15 13 00-0576 MLF 50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,703.06	3,796.29
27 15 13 00-0577 MLF 100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	13,107.62	4,998.01
27 15 13 00-0578 MLF 250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,303.33	9,206.11
27 15 13 00-0579 MLF 500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	38,109.96	12,182.99
27 15 13 00-0580 MLF 750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	50,972.02	15,352.42
27 15 13 00-0581 MLF 1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	71,750.76	21,058.81
27 15 13 00-0582 MLF 1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,536.37	870.01
27 15 13 00-0583 MLF 2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,696.29	900.94
27 15 13 00-0584 MLF 3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,851.89	931.86
27 15 13 00-0585 MLF 4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,958.02	964.18
27 15 13 00-0586 MLF 5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,118.98	1,028.83
27 15 13 00-0587 MLF 6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,294.36	1,093.49
27 15 13 00-0588 MLF 8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,568.84	1,222.80
27 15 13 00-0589 MLF 12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,495.31	1,612.12
27 15 13 00-0590 MLF 24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,267.89	2,380.94
27 15 13 00-0591 MLF 25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,508.69	2,437.16
27 15 13 00-0592 MLF 36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,502.49	2,837.73
27 15 13 00-0593 MLF 40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,970.07	3,037.32
27 15 13 00-0594 MLF 50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,486.29	3,796.29
27 15 13 00-0595 MLF 100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,385.78	4,998.01
27 15 13 00-0596 MLF 250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,659.48	9,206.11
27 15 13 00-0597 MLF 500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,676.68	12,182.99
27 15 13 00-0598 MLF 750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,802.09	15,352.42
27 15 13 00-0599 MLF 1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	58,512.28	21,058.81
27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>		
27 15 13 00-0601 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,047.34	1,086.46
27 15 13 00-0602 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,298.89	1,125.82
27 15 13 00-0603 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,461.04	1,165.17
27 15 13 00-0604 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,673.36	1,204.52
27 15 13 00-0605 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,939.71	1,284.63
27 15 13 00-0606 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,203.24	1,366.16
27 15 13 00-0607 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,815.77	1,529.19
27 15 13 00-0608 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,966.62	2,014.10
27 15 13 00-0609 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,397.70	2,975.47
27 15 13 00-0610 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,794.15	955.75
27 15 13 00-0611 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,010.63	990.89
27 15 13 00-0612 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,151.13	1,026.03
27 15 13 00-0613 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,333.08	1,059.75
27 15 13 00-0614 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,563.06	1,131.44
27 15 13 00-0615 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,791.64	1,203.12

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0616 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,319.23	1,345.08
27 15 13 00-0617 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,321.91	1,772.35
27 15 13 00-0618 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,436.11	2,618.47
27 15 13 00-0619 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,590.46	870.01
27 15 13 00-0620 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,777.36	900.94
27 15 13 00-0621 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,912.24	931.86
27 15 13 00-0622 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,146.67	964.18
27 15 13 00-0623 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,368.02	1,028.83
27 15 13 00-0624 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,768.00	1,093.49
27 15 13 00-0625 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,094.31	1,222.80
27 15 13 00-0626 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,937.27	1,612.12
27 15 13 00-0627 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,917.87	2,380.94
27 15 13 00-0628 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,230.83	2,437.16
27 15 13 00-0629 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,387.45	2,837.73
27 15 13 00-0630 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,922.16	3,037.32
27 15 13 00-0631 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,564.50	3,796.29
27 15 13 00-0632 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	12,911.55	4,998.01
27 15 13 00-0633 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	24,889.45	9,206.11
27 15 13 00-0634 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	37,378.70	12,182.99
27 15 13 00-0635 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	49,929.69	15,352.42
27 15 13 00-0636 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	70,245.56	21,057.40
27 15 13 00-0637 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,539.52	870.01
27 15 13 00-0638 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,677.82	900.94
27 15 13 00-0639 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,782.84	931.86
27 15 13 00-0640 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,952.03	964.18
27 15 13 00-0641 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	2,132.63	1,028.83
27 15 13 00-0642 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,426.98	1,093.49
27 15 13 00-0643 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,713.70	1,222.80
27 15 13 00-0644 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,486.39	1,612.12
27 15 13 00-0645 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,215.20	2,380.94
27 15 13 00-0646 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,449.33	2,437.16
27 15 13 00-0647 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,429.74	2,837.73
27 15 13 00-0648 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,891.81	3,037.32
27 15 13 00-0649 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,397.66	3,796.29
27 15 13 00-0650 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,260.36	4,998.01
27 15 13 00-0651 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,394.77	9,206.11
27 15 13 00-0652 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,209.11	12,182.99
27 15 13 00-0653 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,136.22	15,352.42
27 15 13 00-0654 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	57,550.84	21,058.81

27 15 13 00-0655

Sound System Cables (27 15 13)

Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.

27 15 13 00-0656

Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0655)



	Communications 27
	Structured Cabling 27 10
	Communications Horizontal Cabling 27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0657 Non-Plenum Rated Speaker/Communications And Control Cable, Installed		
Exposed <small>(27 15 13 00-0656)</small>		
27 15 13 00-0658 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,285.34	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0659 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,178.21	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0660 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,095.58	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0661 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,185.94	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0662 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,476.38	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0663 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,765.85	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0664 MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,477.60	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0665 MLF 4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,338.14	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0666 Plenum Rated Speaker/Communications And Control Cable, Installed		
Exposed <small>(27 15 13 00-0656)</small>		
27 15 13 00-0667 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,329.60	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0668 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,206.36	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0669 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,136.60	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0670 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,253.00	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0671 MLF 8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,498.91	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0672 MLF 2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,471.78	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0673 MLF 2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,301.32	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0674 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,591.07	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0675 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,880.03	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0676 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,171.58	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0677 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,229.16	983.86
<i>For Work In Restricted Working Space, Add</i>	590.32	
27 15 13 00-0678 Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0655)</small>		
27 15 13 00-0679 Non-Plenum Rated Speaker/Communications And Control Cable, Installed		
In Conduit <small>(27 15 13 00-0678)</small>		
27 15 13 00-0680 MLF 2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,301.48	491.93
27 15 13 00-0681 MLF 2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,194.35	491.93
27 15 13 00-0682 MLF 2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,111.72	491.93
27 15 13 00-0683 MLF 4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,202.08	491.93
27 15 13 00-0684 MLF 4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,492.52	491.93
27 15 13 00-0685 MLF 6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,781.99	491.93
27 15 13 00-0686 MLF 4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,493.74	491.93

27	Communications
27 10	Structured Cabling
27 15	Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0687 MLF 4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,354.28	491.93
27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0678)		
27 15 13 00-0689 MLF 2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,345.74	491.93
27 15 13 00-0690 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,222.50	491.93
27 15 13 00-0691 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,152.74	491.93
27 15 13 00-0692 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,269.14	491.93
27 15 13 00-0693 MLF 8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,515.05	491.93
27 15 13 00-0694 MLF 2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,487.92	491.93
27 15 13 00-0695 MLF 2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,317.46	491.93
27 15 13 00-0696 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,607.21	491.93
27 15 13 00-0697 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,896.17	491.93
27 15 13 00-0698 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,245.30	491.93
27 15 13 00-0699 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,187.72	491.93
27 15 23 Communications Optical Fiber Horizontal Cabling (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 23 00-0001 Indoor Fiber Optic Cable (27 15 23)		
Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)		
Note: Excludes conduit or innerduct.		
27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)		
27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,215.08	553.76
27 15 23 00-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,303.13	553.76
27 15 23 00-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,332.53	553.76
27 15 23 00-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,437.22	553.76
<i>For Aluminum Armored Cable, Add</i>		1,338.06
<i>For Steel Armored Cable, Add</i>		1,520.56
27 15 23 00-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,467.24	553.76
27 15 23 00-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,648.69	553.76
<i>For Aluminum Armored Cable, Add</i>		1,489.57
<i>For Steel Armored Cable, Add</i>		1,595.17
27 15 23 00-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,680.73	646.05
27 15 23 00-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,649.97	646.05
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,663.40
<i>For Steel Armored Cable, Add</i>		2,151.49
27 15 23 00-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,386.60	646.05
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,753.53
<i>For Steel Armored Cable, Add</i>		1,961.57
27 15 23 00-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,529.47	646.05
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,839.80
<i>For Steel Armored Cable, Add</i>		2,054.38
27 15 23 00-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,430.41	646.05
27 15 23 00-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,670.00	646.05
27 15 23 00-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,930.25	646.05
27 15 23 00-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,250.48	738.35
27 15 23 00-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,969.03	738.35
27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,240.44	553.76
27 15 23 00-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,396.95	553.76
27 15 23 00-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,678.39	553.76



Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,974.65	553.76
For Aluminum Armored Cable, Add	747.03	
For Steel Armored Cable, Add	1,022.31	
27 15 23 00-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,256.10	553.76
27 15 23 00-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,833.81	553.76
For Aluminum Armored Cable, Add	632.58	
For Steel Armored Cable, Add	991.27	
27 15 23 00-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,135.76	646.05
27 15 23 00-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,224.39	646.05
For Aluminum Armored Cable With Sub-Units, Add	952.11	
For Steel Armored Cable, Add	952.11	
27 15 23 00-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,298.21	646.05
27 15 23 00-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,372.03	646.05
For Aluminum Armored Cable With Sub-Units, Add	1,699.05	
27 15 23 00-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,445.85	646.05
27 15 23 00-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,519.67	646.05
27 15 23 00-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,682.12	646.05
For Aluminum Armored Cable With Sub-Units, Add	7,317.62	
27 15 23 00-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,983.59	738.35
27 15 23 00-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,131.23	738.35
27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0004)</small>		
27 15 23 00-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,256.31	553.76
27 15 23 00-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,420.65	553.76
27 15 23 00-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,716.17	553.76
27 15 23 00-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,027.24	553.76
27 15 23 00-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,322.76	553.76
27 15 23 00-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,929.35	553.76
27 15 23 00-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,238.71	646.05
27 15 23 00-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,431.77	646.05
27 15 23 00-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,609.28	646.05
27 15 23 00-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,786.79	646.05
27 15 23 00-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,964.31	646.05
27 15 23 00-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,141.82	646.05
27 15 23 00-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,512.39	646.05
27 15 23 00-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,021.24	738.35
27 15 23 00-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,376.27	738.35
27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0003)</small>		
27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0053)</small>		
27 15 23 00-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,031.13	553.76
27 15 23 00-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,359.50	553.76
27 15 23 00-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,081.90	553.76
27 15 23 00-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,426.65	553.76
27 15 23 00-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,775.35	553.76
27 15 23 00-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,125.28	646.05
27 15 23 00-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,638.47	646.05
27 15 23 00-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,640.21	646.05
27 15 23 00-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,979.78	646.05

27	Communications
27 10	Structured Cabling
27 15	Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0064	50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0063)	
27 15 23 00-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,527.61	553.76
27 15 23 00-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,033.56	553.76
27 15 23 00-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,867.75	553.76
27 15 23 00-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,107.60	553.76
27 15 23 00-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,622.47	553.76
27 15 23 00-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,484.85	646.05
27 15 23 00-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,342.97	646.05
27 15 23 00-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,613.36	646.05
27 15 23 00-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,067.51	646.05
27 15 23 00-0074	62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)	
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,607.84	553.76
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,139.09	553.76
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,015.00	553.76
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,316.84	553.76
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,857.45	553.76
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,805.26	646.05
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,756.28	646.05
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,090.19	646.05
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,817.04	646.05
27 15 23 00-0084	Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)	
27 15 23 00-0085	Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)	
27 15 23 00-0086	Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)	
27 15 23 00-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,285.31	553.76
27 15 23 00-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,290.78	553.76
27 15 23 00-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,577.86	553.76
27 15 23 00-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,611.45	553.76
	<i>For Aluminum Armored Cable, Add</i>	1,256.02
	<i>For Steel Armored Cable, Add</i>	5,330.15
27 15 23 00-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,780.56	553.76
27 15 23 00-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,812.19	553.76
	<i>For Aluminum Armored Cable, Add</i>	1,326.10
	<i>For Steel Armored Cable, Add</i>	5,700.76
27 15 23 00-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,975.79	646.05
27 15 23 00-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,062.93	646.05
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,084.57
	<i>For Steel Armored Cable, Add</i>	5,568.60
27 15 23 00-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,940.46	646.05
27 15 23 00-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,143.16	646.05
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,662.87
	<i>For Steel Armored Cable, Add</i>	6,680.57
27 15 23 00-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,792.71	646.05
27 15 23 00-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,553.92	646.05
27 15 23 00-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,214.05	646.05
27 15 23 00-0100	50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)	
27 15 23 00-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,238.73	553.76
27 15 23 00-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,895.80	553.76
27 15 23 00-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,491.78	553.76



Communications	27	
Structured Cabling	27 10	27
Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0104	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,099.72	553.76
			<i>For Aluminum Armored Cable, Add</i>	-375.41	
			<i>For Steel Armored Cable, Add</i>	-39.23	
27 15 23 00-0105	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,682.24	553.76
27 15 23 00-0106	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,188.36	553.76
			<i>For Aluminum Armored Cable, Add</i>	-744.87	
			<i>For Steel Armored Cable, Add</i>	-363.26	
27 15 23 00-0107	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,338.35	646.05
27 15 23 00-0108	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,661.27	646.05
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,550.22	
			<i>For Steel Armored Cable, Add</i>	5,947.85	
27 15 23 00-0109	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,953.53	646.05
27 15 23 00-0110	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,245.79	646.05
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,572.77	
27 15 23 00-0111	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,538.05	646.05
27 15 23 00-0112	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,830.31	646.05
27 15 23 00-0113	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	35,445.49	646.05
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	15,145.55	
27 15 23 00-0114			62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small>		
27 15 23 00-0115	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,254.52	553.76
27 15 23 00-0116	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,944.45	553.76
27 15 23 00-0117	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,570.22	553.76
27 15 23 00-0118	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,208.56	553.76
27 15 23 00-0119	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,820.21	553.76
27 15 23 00-0120	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,351.63	553.76
27 15 23 00-0121	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,551.43	646.05
27 15 23 00-0122	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,090.50	646.05
27 15 23 00-0123	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,597.37	646.05
27 15 23 00-0124	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,104.24	646.05
27 15 23 00-0125	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,611.11	646.05
27 15 23 00-0126	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	28,117.99	646.05
27 15 23 00-0127	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	37,163.93	646.05
27 15 23 00-0128			Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0084)</small>		
27 15 23 00-0129			Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0130	MLF		2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,035.36	553.76
27 15 23 00-0131	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,434.88	553.76
27 15 23 00-0132	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,395.33	553.76
27 15 23 00-0133	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,336.60	553.76
27 15 23 00-0134	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,838.86	553.76
27 15 23 00-0135	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,679.75	646.05
27 15 23 00-0136	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,816.57	646.05
27 15 23 00-0137	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,646.47	646.05
27 15 23 00-0138	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,690.77	646.05
27 15 23 00-0139			50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0140	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,422.20	553.76
27 15 23 00-0141	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,028.15	553.76

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,894.71	553.76
27 15 23 00-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,355.67	553.76
27 15 23 00-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,622.08	553.76
27 15 23 00-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,024.01	646.05
27 15 23 00-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,529.59	646.05
27 15 23 00-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	25,963.55	646.05
27 15 23 00-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	41,546.63	646.05
27 15 23 00-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,697.17	553.76
27 15 23 00-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,383.41	553.76
27 15 23 00-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,393.30	553.76
27 15 23 00-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,927.31	553.76
27 15 23 00-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,307.03	553.76
27 15 23 00-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,971.38	646.05
27 15 23 00-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	24,652.23	646.05
27 15 23 00-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,207.89	646.05
27 15 23 00-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	43,570.12	646.05
27 15 23 00-0159 Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001) Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)		
27 15 23 00-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,522.73 369.17	738.35
27 15 23 00-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,610.78 369.17	738.35
27 15 23 00-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,640.18 369.17	738.35
27 15 23 00-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,744.87 1,338.06 1,520.56 369.17	738.35
27 15 23 00-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,774.89 369.17	738.35
27 15 23 00-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,956.34 1,489.57 1,595.17 369.17	738.35
27 15 23 00-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,988.37 415.32	830.64
27 15 23 00-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,957.61 1,663.40 2,151.49 415.32	830.64
27 15 23 00-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,694.24 1,753.53 1,961.57 415.32	830.64
27 15 23 00-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,837.11 1,839.80 2,054.38 415.32	830.64
27 15 23 00-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,738.05 415.32	830.64
27 15 23 00-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,977.64 415.32	830.64
27 15 23 00-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,237.89 415.32	830.64



	Communications	27
	Structured Cabling	27 10
	Communications Horizontal Cabling	27 15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0176			MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,558.11 461.46	922.93
27 15 23 00-0177			MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,276.66 461.46	922.93
27 15 23 00-0178			50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ^(27 15 23 00-0161)		
27 15 23 00-0179			MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,548.09 369.17	738.35
27 15 23 00-0180			MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,704.60 369.17	738.35
27 15 23 00-0181			MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,986.04 369.17	738.35
27 15 23 00-0182			MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,282.30 747.03 1,022.31 369.17	738.35
27 15 23 00-0183			MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,563.75 369.17	738.35
27 15 23 00-0184			MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,141.46 632.58 991.27 369.17	738.35
27 15 23 00-0185			MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,443.40 415.32	830.64
27 15 23 00-0186			MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,532.03 952.11 952.11 415.32	830.64
27 15 23 00-0187			MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,605.85 415.32	830.64
27 15 23 00-0188			MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,679.67 1,699.05 415.32	830.64
27 15 23 00-0189			MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,753.49 415.32	830.64
27 15 23 00-0190			MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,827.31 415.32	830.64
27 15 23 00-0191			MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	17,989.76 7,317.62 415.32	830.64
27 15 23 00-0192			MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	22,291.22 461.46	922.93
27 15 23 00-0193			MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	26,438.86 461.46	922.93
27 15 23 00-0194			62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ^(27 15 23 00-0161)		
27 15 23 00-0195			MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,563.96 369.17	738.35
27 15 23 00-0196			MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,728.30 369.17	738.35
27 15 23 00-0197			MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,023.82 369.17	738.35
27 15 23 00-0198			MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,334.89 369.17	738.35
27 15 23 00-0199			MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,630.41 369.17	738.35
27 15 23 00-0200			MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,237.00 369.17	738.35
27 15 23 00-0201			MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,546.35 415.32	830.64
27 15 23 00-0202			MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,739.41 415.32	830.64
27 15 23 00-0203			MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,916.92 415.32	830.64
27 15 23 00-0204			MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,094.43 415.32	830.64

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,271.95	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,449.46	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,820.03	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	23,328.87	922.93
<i>For Work In Restricted Working Space, Add</i>	461.46	
27 15 23 00-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	27,683.90	922.93
<i>For Work In Restricted Working Space, Add</i>	461.46	
27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ^(27 15 23 00-0160)		
27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ^(27 15 23 00-0210)		
27 15 23 00-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,338.78	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,667.15	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,389.55	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,734.30	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,083.00	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,432.92	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,946.11	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,947.85	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,287.42	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ^(27 15 23 00-0210)		
27 15 23 00-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,835.26	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,341.21	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,175.40	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,415.25	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,930.12	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,792.49	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,650.61	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,921.00	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,375.15	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ^(27 15 23 00-0210)		
27 15 23 00-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,915.49	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,446.74	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,322.65	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,624.49	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,165.10	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,112.90	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,063.92	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	



Communications	27	
Structured Cabling	27 10	27
Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0239	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,397.83	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0240	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,124.68	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0241			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0159)</small>		
27 15 23 00-0242			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
27 15 23 00-0243			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0244	MLF		1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,592.96	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0245	MLF		2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,598.43	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0246	MLF		4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,885.51	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0247	MLF		6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,919.10	738.35
			<i>For Aluminum Armored Cable, Add</i>	1,256.02	
			<i>For Steel Armored Cable, Add</i>	5,330.15	
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0248	MLF		8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,088.21	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0249	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,119.84	738.35
			<i>For Aluminum Armored Cable, Add</i>	1,326.10	
			<i>For Steel Armored Cable, Add</i>	5,700.76	
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0250	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,283.43	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0251	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,370.57	830.64
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,084.57	
			<i>For Steel Armored Cable, Add</i>	5,568.60	
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0252	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,248.10	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0253	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,450.80	830.64
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,662.87	
			<i>For Steel Armored Cable, Add</i>	6,680.57	
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0254	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,100.35	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0255	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,861.56	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0256	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,521.69	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0257			50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0258	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,546.38	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0259	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,203.45	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0260	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,799.43	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0261	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,407.37	738.35
			<i>For Aluminum Armored Cable, Add</i>	-375.41	
			<i>For Steel Armored Cable, Add</i>	-39.23	
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0262	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,989.89	738.35
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0263	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,496.01	738.35
			<i>For Aluminum Armored Cable, Add</i>	-744.87	
			<i>For Steel Armored Cable, Add</i>	-363.26	
			<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0264	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,645.99	830.64
			<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0265	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,968.91	830.64
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,550.22	
			<i>For Steel Armored Cable, Add</i>	5,947.85	
			<i>For Work In Restricted Working Space, Add</i>	415.32	

27	Communications
27 10	Structured Cabling
27 15	Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,261.17	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,553.43	830.64
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,572.77	
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	22,845.69	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	27,137.95	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	35,753.13	830.64
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	15,145.55	
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,562.17	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,252.10	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,877.87	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,516.21	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,127.86	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,659.28	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,859.07	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,398.14	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,905.01	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,411.88	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	23,918.75	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	28,425.63	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	37,471.57	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,343.01	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,742.53	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,702.98	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,644.25	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,146.51	738.35
<i>For Work In Restricted Working Space, Add</i>	369.17	
27 15 23 00-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,987.39	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,124.21	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	
27 15 23 00-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,954.11	830.64
<i>For Work In Restricted Working Space, Add</i>	415.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,998.41 415.32	830.64
27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,729.85 369.17	738.35
27 15 23 00-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,335.80 369.17	738.35
27 15 23 00-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,202.36 369.17	738.35
27 15 23 00-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,663.32 369.17	738.35
27 15 23 00-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	14,929.73 369.17	738.35
27 15 23 00-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,331.65 415.32	830.64
27 15 23 00-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	23,837.23 415.32	830.64
27 15 23 00-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	26,271.19 415.32	830.64
27 15 23 00-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	41,854.27 415.32	830.64
27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,004.82 369.17	738.35
27 15 23 00-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,691.06 369.17	738.35
27 15 23 00-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,700.95 369.17	738.35
27 15 23 00-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,234.96 369.17	738.35
27 15 23 00-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,614.68 369.17	738.35
27 15 23 00-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	21,279.02 415.32	830.64
27 15 23 00-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	24,959.87 415.32	830.64
27 15 23 00-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	27,515.53 415.32	830.64
27 15 23 00-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	43,877.76 415.32	830.64
27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0316)</small>		
27 15 23 00-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,638.49	553.76
27 15 23 00-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,606.25	553.76
27 15 23 00-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,739.93	646.05
27 15 23 00-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	8,884.94	646.05
27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0316)</small>		
27 15 23 00-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,906.22	553.76
27 15 23 00-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,643.92	553.76

27	Communications
27 10	Structured Cabling
27 15	Communications Horizontal Cabling



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0325	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,759.79	646.05
27 15 23 00-0326	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	11,454.83	646.05
27 15 23 00-0327	Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328	Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0327)</small>		
27 15 23 00-0329	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,946.14 369.17	738.35
27 15 23 00-0330	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,913.90 369.17	738.35
27 15 23 00-0331	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,047.57 415.32	830.64
27 15 23 00-0332	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,192.58 415.32	830.64
27 15 23 00-0333	Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0327)</small>		
27 15 23 00-0334	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,213.87 369.17	738.35
27 15 23 00-0335	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,951.57 369.17	738.35
27 15 23 00-0336	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,067.43 415.32	830.64
27 15 23 00-0337	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,762.47 415.32	830.64
27 15 23 00-0338	Outdoor Fiber Optic Cable <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339	Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
27 15 23 00-0340	Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0339)</small>		
27 15 23 00-0341	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,370.20 256.12	1,107.51
27 15 23 00-0343	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,402.09 258.24	1,107.51
27 15 23 00-0344	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,434.02 260.29	1,107.51
27 15 23 00-0345	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,465.92 262.79	1,107.51
27 15 23 00-0346	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,529.33 237.79	1,107.51
27 15 23 00-0347	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,659.02 264.93	1,107.51
27 15 23 00-0348	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,725.69 208.56	1,107.51
27 15 23 00-0349	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,746.25 243.78	1,107.51
27 15 23 00-0350	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,127.80 268.20	1,107.51
27 15 23 00-0351	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,338.15 268.17	1,107.51
27 15 23 00-0352	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,611.06 316.96	1,107.51
27 15 23 00-0353	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,091.52 304.31	1,107.51
27 15 23 00-0354	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,616.49 369.52	1,107.51
27 15 23 00-0355	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,165.93 247.36	1,107.51
27 15 23 00-0356	50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,244.46 -4.10	1,107.51
27 15 23 00-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,323.84 41.65	1,107.51
27 15 23 00-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,490.16 107.74	1,107.51
27 15 23 00-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,716.96 -65.42	1,107.51
27 15 23 00-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,811.46 -34.76	1,107.51
27 15 23 00-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,132.76 -16.39	1,107.51
27 15 23 00-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,813.16 -88.94	1,107.51
27 15 23 00-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,814.86 -0.08	1,107.51
27 15 23 00-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,929.96 -203.39	1,107.51
27 15 23 00-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,704.86 -102.28	1,107.51
27 15 23 00-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,706.56 469.28	1,107.51
27 15 23 00-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,031.26 -210.64	1,107.51
27 15 23 00-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,337.06 -281.69	1,107.51
27 15 23 00-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	15,642.86 -334.85	1,107.51
27 15 23 00-0371			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,148.95 109.53	1,107.51
27 15 23 00-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,254.26 117.46	1,107.51
27 15 23 00-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,359.40 125.19	1,107.51
27 15 23 00-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,489.29 142.53	1,107.51
27 15 23 00-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,675.30 148.62	1,107.51
27 15 23 00-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,004.17 158.40	1,107.51
27 15 23 00-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,315.70 182.15	1,107.51
27 15 23 00-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,911.93 202.42	1,107.51
27 15 23 00-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,609.30 232.74	1,107.51
27 15 23 00-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,253.41 250.44	1,107.51
27 15 23 00-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,933.25 283.46	1,107.51
27 15 23 00-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,308.23 318.71	1,107.51
27 15 23 00-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,705.28 361.70	1,107.51
27 15 23 00-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,123.90 332.24	1,107.51
27 15 23 00-0386			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0339)</small>		
27 15 23 00-0387			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,552.80 202.40	1,107.51
27 15 23 00-0389	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,614.98 290.50	1,107.51
27 15 23 00-0390	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,633.64 278.41	1,107.51
27 15 23 00-0391	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,708.13 231.76	1,107.51
27 15 23 00-0392	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,731.37 277.00	1,107.51
27 15 23 00-0393	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,835.76 262.71	1,107.51
27 15 23 00-0394	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,929.35 265.83	1,107.51
27 15 23 00-0395	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,078.66 337.10	1,107.51

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,289.01 341.50	1,107.51
27 15 23 00-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,498.54 353.79	1,107.51
27 15 23 00-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,782.62 304.32	1,107.51
27 15 23 00-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,242.13 396.88	1,107.51
27 15 23 00-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,843.29 390.80	1,107.51
27 15 23 00-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,335.23 312.17	1,107.51
27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,762.42 286.42	1,107.51
27 15 23 00-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,980.10 160.40	1,107.51
27 15 23 00-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,266.53 34.37	1,107.51
27 15 23 00-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,404.01 57.28	1,107.51
27 15 23 00-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,541.50 57.28	1,107.51
27 15 23 00-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,862.29 68.74	1,107.51
27 15 23 00-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,148.72 263.51	1,107.51
27 15 23 00-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,767.40 515.56	1,107.51
27 15 23 00-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,386.07 859.28	1,107.51
27 15 23 00-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,901.64 945.20	1,107.51
27 15 23 00-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,577.60 1,202.98	1,107.51
27 15 23 00-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,986.81 1,775.84	1,107.51
27 15 23 00-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,697.15 1,340.47	1,107.51
27 15 23 00-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,518.81 3,265.24	1,107.51
27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,220.06 137.48	1,107.51
27 15 23 00-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,323.17 148.62	1,107.51
27 15 23 00-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,426.11 159.74	1,107.51
27 15 23 00-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,529.23 170.86	1,107.51
27 15 23 00-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,796.33 183.77	1,107.51
27 15 23 00-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,058.25 215.35	1,107.51
27 15 23 00-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,379.20 233.91	1,107.51
27 15 23 00-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,000.41 289.00	1,107.51
27 15 23 00-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,633.23 331.12	1,107.51
27 15 23 00-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,268.24 368.72	1,107.51
27 15 23 00-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,935.94 411.18	1,107.51
27 15 23 00-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,290.87 484.83	1,107.51
27 15 23 00-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,039.71 501.20	1,107.51
27 15 23 00-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,064.60 517.40	1,107.51
27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0338)</small> Note: Excludes trenching.		
27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0432)</small>		



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

27 15 23 00-0434	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>(27 15 23 00-0433)</i>	
27 15 23 00-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,216.38 256.12
27 15 23 00-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,248.27 258.24
27 15 23 00-0437	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,280.20 260.29
27 15 23 00-0438	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,312.10 262.79
27 15 23 00-0439	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,375.51 237.79
27 15 23 00-0440	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,505.20 264.93
27 15 23 00-0441	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,571.87 208.56
27 15 23 00-0442	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,592.43 243.78
27 15 23 00-0443	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,973.98 268.20
27 15 23 00-0444	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,452.50 268.17
27 15 23 00-0445	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,774.20 316.96
27 15 23 00-0446	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,937.70 304.31
27 15 23 00-0447	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,462.67 369.52
27 15 23 00-0448	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,012.11 247.36

27 15 23 00-0449	50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>(27 15 23 00-0433)</i>	
27 15 23 00-0450	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,090.64 -4.10
27 15 23 00-0451	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,170.02 41.65
27 15 23 00-0452	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,336.34 107.74
27 15 23 00-0453	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,563.14 -65.42
27 15 23 00-0454	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,657.64 -34.76
27 15 23 00-0455	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,978.94 -16.39
27 15 23 00-0456	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,659.34 -88.94
27 15 23 00-0457	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,661.04 -0.08
27 15 23 00-0458	MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,776.14 -203.39
27 15 23 00-0459	MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,551.04 -102.28
27 15 23 00-0460	MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,552.74 469.28
27 15 23 00-0461	MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,877.44 -210.64
27 15 23 00-0462	MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,183.24 -281.69
27 15 23 00-0463	MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	15,489.04 -334.85

27 15 23 00-0464	62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>(27 15 23 00-0433)</i>	
27 15 23 00-0465	MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,995.13 109.53
27 15 23 00-0466	MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,100.44 117.46
27 15 23 00-0467	MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,205.58 125.19
27 15 23 00-0468	MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,335.47 142.53
27 15 23 00-0469	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,521.48 148.62
27 15 23 00-0470	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,850.35 158.40
27 15 23 00-0471	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,161.88 182.15
27 15 23 00-0472	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,758.11 202.42

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,455.48 232.74	
27 15 23 00-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,099.59 250.44	
27 15 23 00-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,779.43 283.46	
27 15 23 00-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,154.41 318.71	
27 15 23 00-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,551.46 361.70	
27 15 23 00-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,970.08 332.24	
27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0432)		
27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)		
27 15 23 00-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,398.98 202.40	
27 15 23 00-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,461.16 290.50	
27 15 23 00-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,479.82 278.41	
27 15 23 00-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,554.31 231.76	
27 15 23 00-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,577.55 277.00	
27 15 23 00-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,681.94 262.71	
27 15 23 00-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,775.53 265.83	
27 15 23 00-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,924.84 337.10	
27 15 23 00-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,135.19 341.50	
27 15 23 00-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,344.72 353.79	
27 15 23 00-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,628.80 304.32	
27 15 23 00-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,088.31 396.88	
27 15 23 00-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,689.47 390.80	
27 15 23 00-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,181.41 312.17	
27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)		
27 15 23 00-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,608.60 286.42	
27 15 23 00-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,826.28 160.40	
27 15 23 00-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,112.71 34.37	
27 15 23 00-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,250.19 57.28	
27 15 23 00-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,387.68 57.28	
27 15 23 00-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,708.47 68.74	
27 15 23 00-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,994.90 263.51	
27 15 23 00-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,613.58 515.56	
27 15 23 00-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,232.25 859.28	
27 15 23 00-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,747.82 945.20	
27 15 23 00-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,423.78 1,202.98	
27 15 23 00-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,832.99 1,775.84	
27 15 23 00-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,543.33 1,340.47	
27 15 23 00-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,364.99 3,265.24	
27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)		



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,066.24 137.48	
27 15 23 00-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,169.35 148.62	
27 15 23 00-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,272.29 159.74	
27 15 23 00-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,375.41 170.86	
27 15 23 00-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,642.51 183.77	
27 15 23 00-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,904.43 215.35	
27 15 23 00-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,225.38 233.91	
27 15 23 00-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,846.59 289.00	
27 15 23 00-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,479.41 331.12	
27 15 23 00-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,114.42 368.72	
27 15 23 00-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,782.12 411.18	
27 15 23 00-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,137.05 484.83	
27 15 23 00-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,580.60 501.20	
27 15 23 00-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,910.78 517.40	
27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0338)</small>		
27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0525)</small>		
27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0526)</small>		
27 15 23 00-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,277.21 171.31	4,018.41
27 15 23 00-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,308.89 175.74	4,018.41
27 15 23 00-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,340.99 180.06	4,018.41
27 15 23 00-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,372.68 176.61	4,018.41
27 15 23 00-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,436.08 205.89	4,018.41
27 15 23 00-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,561.26 214.05	4,018.41
27 15 23 00-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,656.73 236.59	4,018.41
27 15 23 00-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,883.71 226.85	4,018.41
27 15 23 00-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,082.22 263.55	4,018.41
27 15 23 00-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,246.32 252.72	4,018.41
27 15 23 00-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,451.02 288.93	4,018.41
27 15 23 00-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,988.27 293.46	4,018.41
27 15 23 00-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,564.68 350.17	4,018.41
27 15 23 00-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,702.87 376.01	4,018.41
27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,059.05	922.93
27 15 23 00-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,986.62	922.93
27 15 23 00-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,052.93	922.93
27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,242.13	922.93

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,769.25	922.93
27 15 23 00-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	8,075.04	922.93
27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,905.23	846.02
27 15 23 00-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,832.80	846.02
27 15 23 00-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,899.11	846.02
27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,088.31	846.02
27 15 23 00-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,615.43	846.02
27 15 23 00-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,921.22	846.02
27 15 33 Communications Coaxial Horizontal Cabling (27 15) Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wiringways, cable trays, etc.		
27 15 33 00-0001 Indoor Coaxial Cable (27 15 33)		
27 15 33 00-0002 Coaxial Distribution Cable (27 15 33 00-0001) Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0003 MLF RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	3,328.47	449.76
27 15 33 00-0004 MLF RG-6A/U Coaxial Distribution Cable, Installed In Conduit.....	12,493.69	449.76
27 15 33 00-0005 MLF RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	6,547.43	475.06
27 15 33 00-0006 MLF RG-8A/U Coaxial Distribution Cable, Installed In Conduit.....	8,269.05	475.06
27 15 33 00-0007 MLF RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	7,333.87	562.21
27 15 33 00-0008 MLF RG-11A/U Coaxial Distribution Cable, Installed In Conduit.....	10,663.34	562.21
27 15 33 00-0009 MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	23,129.01	787.09
27 15 33 00-0010 MLF RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	2,445.59	393.55
27 15 33 00-0011 MLF RG-58A/U Coaxial Distribution Cable, Installed In Conduit.....	2,786.74	393.55
27 15 33 00-0012 MLF RG-58C/U Coaxial Distribution Cable, Installed In Conduit.....	3,387.70	393.55
27 15 33 00-0013 MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	8,296.94	787.09
27 15 33 00-0014 MLF RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	4,039.42	393.55
27 15 33 00-0015 MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	10,085.03	787.09
27 15 33 00-0016 MLF 1/2" Hard Line Coaxial, Installed In Conduit.....	3,348.27	562.21
27 15 33 00-0017 Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)		
27 15 33 00-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0017)		
27 15 33 00-0019 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	2,031.97	646.05
27 15 33 00-0020 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	4,756.57	646.05
27 15 33 00-0021 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,690.56	738.35
27 15 33 00-0022 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	5,983.69	738.35
27 15 33 00-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0017)		
27 15 33 00-0024 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	3,108.72	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 33 00-0025 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	5,833.32	1,292.10
<i>For Work In Restricted Working Space, Add</i>	<i>646.05</i>	
27 15 33 00-0026 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	2,921.12	1,476.69
<i>For Work In Restricted Working Space, Add</i>	<i>738.34</i>	
27 15 33 00-0027 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	7,214.25	1,476.69
<i>For Work In Restricted Working Space, Add</i>	<i>738.34</i>	
27 15 33 00-0028 Outdoor Coaxial Cable (27 15 33)		
27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028) Note: Corrugated steel armor jacket.		
27 15 33 00-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	9,054.22	2,104.34
27 15 33 00-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	5,646.30	1,480.15
27 15 33 00-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	4,923.65	873.25
27 15 33 00-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	2,533.92	873.25
27 15 33 00-0034 MLF 1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	3,761.98	1,364.47

27 15 43 Communications Faceplates and Connectors (27 15)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0001				Plastic Communications Faceplates <small>(27 15 43)</small>		
				Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
				27 15 43 00-0002 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID	11.45	3.85
				27 15 43 00-0003 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID	11.45	3.85
				27 15 43 00-0004 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID	11.45	3.85
				27 15 43 00-0005 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID	11.45	3.85
				27 15 43 00-0006 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID	11.45	3.85
				27 15 43 00-0007 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID	18.60	3.85
				27 15 43 00-0008 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID	18.60	3.85
				27 15 43 00-0009 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	18.60	3.85
				27 15 43 00-0010 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	18.60	3.85
				27 15 43 00-0011 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	18.60	3.85
27 15 43 00-0012				Stainless Steel Communications Faceplates <small>(27 15 43)</small>		
				Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0013				Stainless Steel Communications Faceplates <small>(27 15 43 00-0012)</small>		
				27 15 43 00-0014 EA One Port, Single Gang, Stainless Steel Communications Faceplate	20.52	3.85
				27 15 43 00-0015 EA Two Port, Single Gang, Stainless Steel Communications Faceplate	20.52	3.85
				27 15 43 00-0016 EA Three Port, Single Gang, Stainless Steel Communications Faceplate	20.52	3.85
				27 15 43 00-0017 EA Four Port, Single Gang, Stainless Steel Communications Faceplate	21.85	3.85
				27 15 43 00-0018 EA Six Port, Single Gang, Stainless Steel Communications Faceplate	21.85	3.85
				27 15 43 00-0019 EA Four Port, Double Gang, Stainless Steel Communications Faceplate	29.01	3.85
				27 15 43 00-0020 EA Six Port, Double Gang, Stainless Steel Communications Faceplate	29.84	3.85
				27 15 43 00-0021 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate	34.34	3.85
				27 15 43 00-0022 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate	34.34	3.85
				27 15 43 00-0023 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate	34.34	3.85
27 15 43 00-0024				Stainless Steel Communications Faceplates With Station ID <small>(27 15 43 00-0012)</small>		
				27 15 43 00-0025 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.84	3.85
				27 15 43 00-0026 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.84	3.85
				27 15 43 00-0027 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.84	3.85
				27 15 43 00-0028 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.84	3.85
				27 15 43 00-0029 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.84	3.85
				27 15 43 00-0030 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.64	3.85
				27 15 43 00-0031 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.64	3.85
				27 15 43 00-0032 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.64	3.85
				27 15 43 00-0033 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	60.64	3.85
				27 15 43 00-0034 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.64	3.85
27 15 43 00-0035				Snap-In Modular Jacks <small>(27 15 43)</small>		
				Note: Includes termination.		
				27 15 43 00-0036 EA Cat 3, Snap-In Modular Jack	40.29	15.41
				27 15 43 00-0037 EA Category 5E, Snap-In Modular Jack	42.12	15.41
				27 15 43 00-0038 EA Category 5E Shielded, Snap-In Modular Jack	47.62	15.41
				27 15 43 00-0039 EA Cat 6, Snap-In Modular Jack	47.62	15.41
				27 15 43 00-0040 EA Cat 6 Shielded, Snap-In Modular Jack	53.77	15.41
				27 15 43 00-0041 EA Cat 6A, Snap-In Modular Jack	54.71	15.41
				27 15 43 00-0042 EA Voice, RJ-11, Snap-In Modular Jack	27.90	7.70
				27 15 43 00-0043 EA SC Type Fiber Optic, Snap-In Modular Jack	44.45	15.41
				27 15 43 00-0044 EA ST Type Fiber Optic, Snap-In Modular Jack	49.11	15.41
				27 15 43 00-0045 EA LC Type Fiber Optic, Snap-In Modular Jack	58.27	15.41
				27 15 43 00-0046 EA Blank Fill In, Snap-In Modular Jack	8.57	3.85
				27 15 43 00-0047 EA Open Cable Pass Through Insert, Snap-In Modular Jack	9.90	3.85
				27 15 43 00-0048 EA Coaxial F-Type Coupler, Snap-In Modular Jack	33.26	11.56
				Note: Includes female to female connection.		
				<i>For Gold Bulkhead, Add</i> 1.78		
				27 15 43 00-0049 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack	33.59	11.56
				Note: Includes female to female connection.		
				27 15 43 00-0050 EA RCA Solder Coupler, Snap-In Modular Jack	69.43	15.41
				27 15 43 00-0051 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack	82.92	15.41
				27 15 43 00-0052 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack	41.62	15.41
				27 15 43 00-0053 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack	41.18	7.70
				27 15 43 00-0054 EA BNC Connector, Snap-In Modular Jack	47.12	15.41
				27 15 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack	52.11	15.41
				27 15 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack	72.77	23.10
				Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
				27 15 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack	75.08	15.41
27 15 43 00-0058				Surface Mount Plastic Communication Boxes <small>(27 15 43)</small>		
				Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
				27 15 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID	43.25	19.25
				27 15 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID	44.09	19.25
				27 15 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID	49.83	19.25
				27 15 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID	56.66	19.25
				27 15 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID	63.82	19.25

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
27 15 43 00-0064		Wall Mounted Telephone Faceplates (27 15 43) Note: Includes standard telephone mounting studs.			
27 15 43 00-0065		Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0064)			
27 15 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	51.45		19.22
27 15 43 00-0067		Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0064)			
27 15 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	38.70		7.69
		Note: Requires one snap-in modular jack.			
27 15 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	69.94		19.22
27 15 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	81.72		23.07
27 15 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	37.34		7.69
		Note: Requires one snap-in modular jack.			
27 15 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	64.19		19.22
27 15 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	76.12		23.07
27 15 53		Communications Cable Innerduct (27 15) Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.			
27 15 53 00-0001		Indoor Innerduct (27 15 53)			
27 15 53 00-0002		Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)			
27 15 53 00-0003		Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)			
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	5,804.34		2,307.32
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	7,545.06		3,076.43
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	9,943.91		3,845.54
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	11,659.30		4,614.65
27 15 53 00-0008		Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)			
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,064.21		1,538.21
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,057.63		2,307.32
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	11,503.34		3,076.43
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	14,743.13		3,845.54
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	17,737.13		4,614.65
27 15 53 00-0014		Indoor Innerduct, Installed Exposed (27 15 53 00-0001)			
27 15 53 00-0015		Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)			
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	7,342.55		3,076.43
		<i>For Work In Restricted Working Space, Add</i>	1,845.86		
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	9,083.28		3,845.54
		<i>For Work In Restricted Working Space, Add</i>	2,307.32		
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	11,482.12		4,614.65
		<i>For Work In Restricted Working Space, Add</i>	2,768.79		
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	13,197.51		5,383.75
		<i>For Work In Restricted Working Space, Add</i>	3,230.25		
27 15 53 00-0020		Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)			
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	9,602.43		2,307.32
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	10,595.84		3,076.43
		<i>For Work In Restricted Working Space, Add</i>	1,845.86		
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	13,041.56		3,845.54
		<i>For Work In Restricted Working Space, Add</i>	2,307.32		
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	16,281.34		4,614.65
		<i>For Work In Restricted Working Space, Add</i>	2,768.79		
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	19,275.34		5,383.75
		<i>For Work In Restricted Working Space, Add</i>	3,230.25		
27 15 53 00-0026		Outdoor Innerduct (27 15 53)			
27 15 53 00-0027		Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)			
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	5,500.59		2,307.32
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	7,097.13		3,076.43
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	9,038.22		3,845.54
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	10,802.22		4,614.65
27 15 53 00-0032		Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)			
27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	3,962.37		
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	5,558.92		
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	7,500.00		
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	9,264.01		



Communications	27	27
Structured Cabling	27 10	
Communications Connecting Cords, Devices, and Adapters	27 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

27 16 Communications Connecting Cords, Devices, and Adapters (27 10)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001 Fiber Optic Receivers <small>(27 16 16)</small>		
27 16 16 00-0002 EA	Fiber Optic Receiver, Range 6.2 Miles	865.55
		76.91
27 16 16 00-0003 Fiber Optic Transmitters <small>(27 16 16)</small>		
27 16 16 00-0004 EA	Fiber Optic Transmitter, Range 6.2 Miles	865.54
		76.91
27 16 16 00-0005 Fiber Optic Repeaters <small>(27 16 16)</small>		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006 EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,019.37
27 16 16 00-0007 EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,641.74
		153.82
		307.65
27 16 16 00-0008 Fiber Optic Transceivers <small>(27 16 16)</small>		
27 16 16 00-0009 EA	Fiber Optic Transceivers, 3,000 Miles Range	1,158.96
		307.65
27 16 16 00-0010 EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,158.96
		307.65
27 16 16 00-0011 EA	Fiber Optic Ethernet Transceiver	1,505.29
		461.46
27 16 16 00-0012 EA	Transceiver (Low Cost Bi- Directional)	508.63
		115.36

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)

27 16 19 00-0001 Fiber Optic Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0002 Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
27 16 19 00-0003 Singlemode, Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0002)</small>		
27 16 19 00-0004 EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	58.80
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>
27 16 19 00-0005 EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	48.32
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>
27 16 19 00-0006 EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	61.95
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>
27 16 19 00-0007 EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	50.72
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>
27 16 19 00-0008 EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	58.37
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>
27 16 19 00-0009 EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	57.52
	<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>
27 16 19 00-0010 Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
27 16 19 00-0011 Singlemode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0012 EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	100.96
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>
27 16 19 00-0013 EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	98.00
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>
27 16 19 00-0014 EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	108.51
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>
27 16 19 00-0015 EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	84.81
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>
27 16 19 00-0016 EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	100.08
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>
27 16 19 00-0017 EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	98.41
	<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>
27 16 19 00-0018 Multimode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0019 EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	76.72
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0020 EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	83.57
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0021 EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.27
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0022 EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	86.48
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0023 EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	77.01
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0024 EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	86.86
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0025 EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	101.73
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0026 EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	70.69
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>
27 16 19 00-0027 EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	85.58
	<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0028			Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0029	EA		Simplex Fiber Optic Cable Pig Tail	100.95	53.83
27 16 19 00-0030	EA		Duplex Fiber Optic Cable Pig Tail	125.82	53.83
27 16 19 00-0031			Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0032	EA		3' Category 5E Patch Cables With Boots.....	16.20	
27 16 19 00-0033	EA		5' Category 5E Patch Cables With Boots.....	17.46	
27 16 19 00-0034	EA		7' Category 5E Patch Cables With Boots.....	18.73	
27 16 19 00-0035	EA		10' Category 5E Patch Cables With Boots.....	27.38	
27 16 19 00-0036	EA		15' Category 5E Patch Cables With Boots.....	34.65	
27 16 19 00-0037	EA		25' Category 5E Patch Cables With Boots.....	44.25	
27 16 19 00-0038	EA		3' Category 6 Patch Cables With Boots.....	17.70	
27 16 19 00-0039	EA		5' Category 6 Patch Cables With Boots.....	20.90	
27 16 19 00-0040	EA		7' Category 6 Patch Cables With Boots.....	20.96	
27 16 19 00-0041	EA		10' Category 6 Patch Cables With Boots.....	25.85	
27 16 19 00-0042	EA		15' Category 6 Patch Cables With Boots.....	34.18	
27 16 19 00-0043	EA		25' Category 6 Patch Cables With Boots.....	41.66	
27 16 19 00-0044	EA		50' Category 6 Patch Cables With Boots.....	62.70	
27 16 19 00-0045	EA		100' Category 6 Patch Cables With Boots.....	108.17	
27 16 19 00-0046	EA		3' Category 6A Patch Cables With Boots.....	26.34	
27 16 19 00-0047	EA		5' Category 6A Patch Cables With Boots.....	27.88	
27 16 19 00-0048	EA		7' Category 6A Patch Cables With Boots.....	29.03	
27 16 19 00-0049	EA		10' Category 6A Patch Cables With Boots.....	34.61	
27 16 19 00-0050	EA		15' Category 6A Patch Cables With Boots.....	42.68	
27 16 19 00-0051	EA		25' Category 6A Patch Cables With Boots.....	52.60	
27 16 19 00-0052	EA		50' Category 6A Patch Cables With Boots.....	74.88	
27 16 19 00-0053	EA		100' Category 6A Patch Cables With Boots.....	130.52	
27 16 19 00-0054	EA		3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06).....	16.20	
27 16 19 00-0055	EA		5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06).....	17.46	
27 16 19 00-0056	EA		7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06).....	18.73	
27 16 19 00-0057	EA		10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06).....	27.38	
27 16 19 00-0058	EA		15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06).....	34.65	
27 16 19 00-0059	EA		25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06).....	44.25	
27 16 19 00-0060	EA		3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06).....	17.70	
27 16 19 00-0061	EA		5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06).....	20.90	
27 16 19 00-0062	EA		7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06).....	20.96	
27 16 19 00-0063	EA		10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06).....	25.85	
27 16 19 00-0064	EA		15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06).....	34.18	
27 16 19 00-0065	EA		25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06).....	41.66	
27 16 19 00-0066	EA		3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09).....	30.71	
27 16 19 00-0067	EA		5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09).....	32.61	
27 16 19 00-0068	EA		7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09).....	34.03	
27 16 19 00-0069	EA		10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09).....	40.02	
27 16 19 00-0070	EA		15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09).....	49.07	
27 16 19 00-0071	EA		25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09).....	61.33	
27 16 19 00-0072			Cross Connect Wire <small>(27 16 19)</small>		
			Note: Up to 20' length.		
27 16 19 00-0073	EA		2-Pair Cross Connect Wire	24.08	
27 16 19 00-0074	EA		3-Pair Cross Connect Wire	32.21	
27 16 19 00-0075	EA		4-Pair Cross Connect Wire	40.28	

27 20 Data Communications (27)**27 21 Data Communications Network Equipment** (27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0001			Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002	EA		Fiber Optic Modems, Range 6.2 Miles.....	1,801.49	307.65
27 21 16 00-0003	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel	3,284.24	307.65
27 21 16 00-0004			Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005	EA		16 Port Managed Hub With Fiberport And Standard Management.....	4,181.39	231.03
27 21 16 00-0006	EA		12 Port, Industrial Ethernet Switch (Cisco IE-4000-4G4G4P4G-E).....	5,697.39	154.02
27 21 16 00-0007	EA		Power Supply (Cisco PWR-IE170W-PC-AC).....	1,698.79	77.01
27 21 16 00-0008			Network Equipment <small>(27 21 16)</small>		
27 21 16 00-0009			Communications Entrance Protection <small>(27 21 16 00-0008)</small>		
27 21 16 00-0010	EA		100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,210.46	115.51
			Note: Excludes terminations.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0011 EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.65	1.54
27 21 16 00-0012 Communications Cabinets, Racks, Frames And Enclosures (27 21 16 00-0008)		
27 21 16 00-0013 EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,461.25	115.51
<i>For Fan Kit (Chatsworth 12804-701), Add</i>	197.62	
27 21 16 00-0014 EA 10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	1,299.69	7.70
27 21 16 00-0015 Communications Termination Blocks And Patch Panels (27 21 16 00-0008)		
27 21 16 00-0016 Communications Termination Blocks (27 21 16 00-0015)		
27 21 16 00-0017 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	372.53	23.07
27 21 16 00-0018 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	347.26	23.07
27 21 16 00-0019 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	821.01	23.07
27 21 16 00-0020 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	764.17	23.07
27 21 16 00-0021 EA 110 Connector System Mounting Brackets (CommScope 107535593)	122.37	23.07
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535585)	131.56	23.07
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107098816)	148.74	23.07
27 21 16 00-0024 Communications Copper Patch Panels (27 21 16 00-0015)		
Note: Excludes cabinet and terminations.		
27 21 16 00-0025 EA 24 Port, Category 5E Patch Panel (CommScope 108208919)	377.63	50.05
27 21 16 00-0026 EA 48 Port, Category 5E Patch Panel (CommScope 108208935)	678.25	61.61
27 21 16 00-0027 EA 24 Port, Category 6 Patch Panel (CommScope 760062372)	550.77	50.05
27 21 16 00-0028 EA 48 Port, Category 6 Patch Panel (CommScope 760062380)	1,017.32	61.61
27 21 16 00-0029 Communications Optical Fiber Patch Panels (27 21 16 00-0015)		
27 21 16 00-0030 Closet Connector Housings (27 21 16 00-0029)		
27 21 16 00-0031 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U)	522.05	30.80
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0032 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U)	609.13	30.80
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U)	759.28	30.80
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	134.77	15.41
27 21 16 00-0035 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	181.28	15.41
27 21 16 00-0036 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	151.19	15.41
27 21 16 00-0037 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	196.31	15.41
27 21 16 00-0038 Communications Cable Management (27 21 16 00-0008)		
27 21 16 00-0039 Horizontal Communication Cable Management (27 21 16 00-0038)		
27 21 16 00-0040 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	171.99	30.80
27 21 16 00-0041 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	177.71	30.80
27 21 16 00-0042 Vertical Communication Cable Management (27 21 16 00-0038)		
27 21 16 00-0043 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	1,022.28	77.01
27 21 16 00-0044 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,059.29	77.01
27 21 16 00-0045 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,142.60	77.01
27 21 16 00-0046 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0008)		
27 21 16 00-0047 Premise Cross-Connect Wire (27 21 16 00-0046)		
27 21 16 00-0048 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.58	0.77
27 21 16 00-0049 Pathways For Communications Systems (27 21 16 00-0008)		
27 21 16 00-0050 Conduits And Backboxes For Communication Systems (27 21 16 00-0049)		
27 21 16 00-0051 Flexible Conduit For Communication Systems (27 21 16 00-0050)		
27 21 16 00-0052 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson DF4X1C)	644.61	276.88
27 21 16 00-0053 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson CF4X1C)	943.78	276.88
27 21 16 00-0054 Tube Cables For Communication Systems (27 21 16 00-0050)		
27 21 16 00-0055 Outdoor/All-Dielectric Tube Cables (27 21 16 00-0054)		
27 21 16 00-0056 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	505.83	184.58
27 21 16 00-0057 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	744.70	230.73
27 21 16 00-0058 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	1,214.14	276.88
27 21 16 00-0059 Indoor/Riser Rated Tube Cables (27 21 16 00-0054)		

27	27	Communications
	27 20	Data Communications
	27 21	Data Communications Network Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0060 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	574.42	184.58
27 21 16 00-0061 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	698.61	207.66
27 21 16 00-0062 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	792.33	230.73
27 21 16 00-0063 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,429.47	276.88
27 21 16 00-0064 Indoor/Plenum Rated Tube Cables (27 21 16 00-0054)		
27 21 16 00-0065 CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX).....	431.51	184.58
27 21 16 00-0066 CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	606.82	184.58
27 21 16 00-0067 CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	919.65	207.66
27 21 16 00-0068 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2).....	1,323.98	230.73
27 21 16 00-0069 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2).....	4,030.52	276.88
27 21 16 00-0070 Unjacketed Single Tube Cables (27 21 16 00-0054)		
27 21 16 00-0071 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	378.15	184.58
27 21 16 00-0072 Multimode Fiber Bundles (27 21 16 00-0054)		
Note: Includes optical fiber cables.		
27 21 16 00-0073 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6).....	157.08	55.38
27 21 16 00-0074 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6).....	231.39	55.38
27 21 16 00-0075 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6).....	311.43	55.38
27 21 16 00-0076 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6).....	555.33	55.38
27 21 16 00-0077 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6).....	801.29	64.60
27 21 16 00-0078 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6).....	1,045.20	64.60
27 21 16 00-0079 Singlemode Fiber Bundles (27 21 16 00-0054)		
Note: Includes optical fiber cables.		
27 21 16 00-0080 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX).....	141.83	55.38
27 21 16 00-0081 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX).....	174.23	55.38
27 21 16 00-0082 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX).....	200.91	55.38
27 21 16 00-0083 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX).....	252.35	55.38
27 21 16 00-0084 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX).....	382.08	64.60
27 21 16 00-0085 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX).....	498.31	64.60
27 21 16 00-0086 Tube Distribution Cabinets (27 21 16 00-0054)		
27 21 16 00-0087 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU).....	302.21	77.01
Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0088 Modular Fiber Termination Cabinets (27 21 16 00-0054)		
27 21 16 00-0089 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM).....	376.93	77.01
27 21 16 00-0090 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM).....	400.56	77.01
27 21 16 00-0091 Tube Distribution Accessories (27 21 16 00-0054)		
27 21 16 00-0092 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA).....	18.06	7.70
27 21 16 00-0093 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2).....	19.72	7.70
27 21 16 00-0094 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB).....	23.98	7.70
27 21 16 00-0095 Communications Optical Fiber Cabling (27 21 16 00-0008)		
27 21 16 00-0096 Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0095)		
27 21 16 00-0097 Field Installed Fiber Connectors (27 21 16 00-0096)		
27 21 16 00-0098 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42).....	49.93	11.56
27 21 16 00-0099 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41).....	44.46	11.56
27 21 16 00-0100 Buffer Tube Fan-Out Kits (27 21 16 00-0096)		
27 21 16 00-0101 Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0100)		
Note: Includes 900 micron tubing.		
27 21 16 00-0102 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02).....	330.52	153.82
27 21 16 00-0103 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04).....	336.23	153.82
27 21 16 00-0104 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06).....	341.28	153.82
27 21 16 00-0105 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12).....	356.97	153.82
27 21 16 00-0106 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18).....	378.42	153.82
27 21 16 00-0107 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24).....	394.35	153.82
27 21 16 00-0108 Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0100)		
27 21 16 00-0109 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12).....	333.17	153.82
27 21 16 00-0110 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12).....	389.78	153.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

27 21 16 00-0111	Communications Copper Cabling (27 21 16 00-0008)	
27 21 16 00-0112	Copper Communications Cable Splicing And Terminations (27 21 16 00-0111)	
27 21 16 00-0113	Copper Communications Cable Splice Cases (27 21 16 00-0112)	
27 21 16 00-0114	EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626).....	1,345.18 307.65
27 21 16 00-0115	EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630).....	1,553.79 307.65
27 21 16 00-0116	EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219).....	2,246.98 307.65

27 21 16 00-0117	Modular Splice Connectors (27 21 16 00-0112)	
27 21 16 00-0118	EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25).....	163.94 76.91
27 21 16 00-0119	EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25).....	161.69 76.91
27 21 16 00-0120	EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25).....	163.99 76.91
27 21 16 00-0121	EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25).....	163.67 76.91

27 21 26 Data Communications Network Management (27 21)

27 21 26 00-0001	Data Communications Network Management (27 21 26)	
27 21 26 00-0002	EA 3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	704.25 38.46
27 21 26 00-0003	EA 2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	544.44 38.46
27 21 26 00-0004	EA 4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	755.57 38.46
27 21 26 00-0005	EA 4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	1,178.94 38.46
27 21 26 00-0006	EA 24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	110.71
27 21 26 00-0007	EA Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	522.62 23.07
27 21 26 00-0008	EA Sennetech Code Translator (Pelco SCT_100_AD232).....	884.86 38.46
27 21 26 00-0009	EA VPN Router (Cisco 819HG).....	5,555.75 492.86
27 21 26 00-0010	EA Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	4,106.35 492.86
27 21 26 00-0011	EA WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	19,707.34 184.58
27 21 26 00-0012	EA SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	597.25
27 21 26 00-0013	EA Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	13,220.98 184.58
27 21 26 00-0014	EA Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	28,336.10 184.58
27 21 26 00-0015	EA Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	665.15 15.41
27 21 26 00-0016	EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	4,864.16 19.22
27 21 26 00-0017	EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	4,219.17 19.22
27 21 26 00-0018	EA 13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	78.28 7.70
27 21 26 00-0019	EA 1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	271.70 76.91
27 21 26 00-0020	EA Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS).....	3,985.12 184.58
27 21 26 00-0021	EA SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	785.83
27 21 26 00-0022	EA North America AC Type A Power Cable (Cisco CAB-TA-NA).....	28.08 7.70
27 21 26 00-0023	EA 350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	335.51 19.22
27 21 26 00-0024	EA Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	824.36 19.25
27 21 26 00-0025	EA 1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM).....	122.66 7.70
27 21 26 00-0026	EA Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	4,617.59 184.58
27 21 26 00-0027	EA SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	788.98
27 21 26 00-0028	EA IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	706.43 19.22
27 21 26 00-0029	EA IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA/R).....	717.43 19.22
27 21 26 00-0030	EA 4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,630.21 184.58
27 21 26 00-0031	EA Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	392.14 19.25
27 21 26 00-0032	EA 4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,814.53 19.25
27 21 26 00-0033	EA Router (CISCO IR829).....	1,647.14 77.01

27 21 29 Data Communications Switches and Hubs (27 21)

27 21 29 00-0001	Data Communications Multimedia Modular Patch Panels (27 21 29)	
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.		
27 21 29 00-0002	EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	143.70 7.69
27 21 29 00-0003	EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	158.59 7.69
27 21 29 00-0004	EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	187.40 7.69
27 21 29 00-0005	EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	196.25 7.69
27 21 29 00-0006	EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	214.66 9.62
27 21 29 00-0007	EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	203.58 7.69
27 21 29 00-0008	EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	255.48 9.62
27 21 29 00-0009	EA Rack Mount Rear Cable Management Bar.....	70.61 9.62

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001	Data Communications Wireless Access Points (27 21 33)	
27 21 33 00-0002	EA Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	5,052.95 230.73
27 21 33 00-0003	EA Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	12,011.80 230.73
27 21 33 00-0004	EA Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9).....	12,011.80 230.73
27 21 33 00-0005	EA Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	2,032.78 230.73
27 21 33 00-0006	EA Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	2,369.65 253.02

27	Communications
27 20	Data Communications
27 21	Data Communications Network Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21	33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	6,469.52	253.02
27 21	33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	9,783.29	253.02
27 21	33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	9,783.29	253.02
27 21	33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	2,018.37	84.34
27 21	33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	2,046.19	84.34
27 21	33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	202.65	42.17
27 21	33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,728.87	
27 21	33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	647.33	76.91
27 21	33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	541.64	76.91
27 21	33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	102.70	30.76
27 21	33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	82.97	
27 21	33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	49.67	
27 21	33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	358.04	76.91
27 21	33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	360.09	76.91
27 21	33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	480.61	77.01
27 21	33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,183.81	115.51
27 21	33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,501.93	115.51
27 21	33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	90.71	23.07
27 21	33 00-0025	EA	Yagi Antenna, 890-960 MHZ, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	339.15	84.34
27 21	33 00-0026	EA	Andrew® Omni Antenna, 890-960 MHZ, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	1,043.88	84.34
27 21	33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	5,018.43	77.01
27 21	33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,563.35	76.91

27 30 Voice Communications ⁽²⁷⁾

27 31 Voice Communications Switching and Routing Equipment ^(27 30)

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems ^(27 31)

27 31 13 00-0001 Interior PBX Telephone System ^(27 31 13)

Note: Includes telephone instruments cabling and solid state switching.

27 31 13 00-0002 Interior PBX Telephone System ^(27 31 13 00-0001)

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000	2,177.03	801.99
------------------	----	---	----------	--------

27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) ^(27 31 13 00-0001)

27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching.....	674.69	63.07
------------------	----	--	--------	-------

27 31 13 00-0006 Telephones ^(27 31 13 00-0001)

27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment.....	275.43	59.99
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment.....	315.86	79.99

27 32 Voice Communications Terminal Equipment ^(27 30)

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets ^(27 32)

27 32 13 00-0001 Interior Telephone Components ^(27 32 13)

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	8,126.87	1,405.62
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet.....	959.19	114.90
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	506.46	123.21
27 32 13 00-0005	EA	Loud Ring Bell, 6".....	402.65	114.29
27 32 13 00-0006	EA	Audio/Visual Indicator.....	501.74	107.68
27 32 13 00-0007	EA	Administrative Telephone With Digital Display.....	517.98	96.60
27 32 13 00-0008	EA	Processing Unit For 16 Station System	2,658.99	788.02
27 32 13 00-0009	EA	Handset For 16 Station System.....	368.30	78.45
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System.....	498.76	105.82
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	3,628.06	1,696.19
27 32 13 00-0012	EA	Power Supply For 16 Station System	496.17	209.36
27 32 13 00-0013	EA	Intercom Terminal Board	453.63	235.65
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	513.30	209.36
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	245.56	86.01
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	744.26	189.32
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	876.43	215.18
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	1,061.11	254.68
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	1,244.84	275.34
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	1,906.78	313.29
27 32 13 00-0021	EA	Ring Rung 3".....	16.13	8.58
27 32 13 00-0022	EA	G6B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	39.52	15.23
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	73.07	31.22



Communications	27	27
Voice Communications	27 30	
Voice Communications Terminal Equipment	27 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

27 32 13 00-0024 Interior Telephone Accessories (27 32 13)

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	17.05	8.30
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	36.18	32.00
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	87.41	35.14
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	83.60	35.14
27 32 13 00-0029	EA	Terminating Strips, Inside	169.12	70.27
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	76.70	36.14
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	204.28	84.76
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	236.93	94.76
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	75.65	28.46
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	75.34	35.68
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	807.60	205.51
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	941.55	208.73
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	323.20	85.53
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	332.35	85.53
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	437.29	109.37
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	893.94	197.04
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,215.31	224.88
27 32 13 00-0042	EA	Gas Protection Module	20.71	7.69
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	33.11	7.02

27 32 26 Ring-Down Emergency Telephones (27 32)

27 32 26 00-0001 Emergency Telephone (27 32 26)

Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s)	12,063.14	628.87
		Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)	12,658.38	628.87
		Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	198.42	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	297.62	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	744.06	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,011.92	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,111.13	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	19.84	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	19.84	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	178.57	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,884.95	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	873.03	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,827.42	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option	5,942.54	
		Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016	EA	Active Venting Code Blue Option	317.46	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option	2,767.90	
		Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	694.45	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option	1,577.40	
		Note: Excludes camera.		
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	69.45	

27 32 26 00-0021 City Police Call System (27 32 26)

27 32 26 00-0022 Components (27 32 26 00-0021)

27 32 26 00-0023	EA	City Police Call System	950.09	179.35
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	878.93	259.80

27 40 Audio-Video Communications (27)

27 41 Audio-Video Systems (27 40)

27 41 16 Integrated Audio-Video Systems and Equipment (27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System (27 41 16)

See CSI section 26 05 13 16-0001 for basic wiring, 26 05 19 16-0309 for basic wiring.

27	Communications
27 40	Audio-Video Communications
27 41	Audio-Video Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0002 Mounted Television Support (27 41 16 00-0001)		
27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20".....	560.16	172.50
27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack.....	712.44	192.52
27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27".....	582.19	172.50
27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack.....	734.47	192.52
27 41 16 00-0007 EA Wall Mounted Television Support, 13".....	442.97	138.62
27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack.....	595.22	154.02
27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20".....	471.87	138.62
27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack.....	624.13	154.02
27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27".....	500.78	138.62
27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack.....	653.03	154.02
27 41 16 00-0013 Distribution System (27 41 16 00-0001) See CSI section 26 05 13 16-0001 for wire and cabling.		
27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA Steel Rack Cabinet With Shelves.....	1,834.05	282.87
27 41 16 00-0016 EA Switch And Pilot Light.....	308.15	125.67
27 41 16 00-0017 LF Surface Raceway With Outlets.....	37.46	17.07
27 41 16 00-0018 EA Service Label.....	45.34	23.53
27 41 16 00-0019 Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA Head End Amplifier.....	1,223.53	188.28
27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA UHF In-Line Booster.....	736.44	188.28
27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier.....	907.95	188.28
27 41 16 00-0025 EA UHF Preamplifier.....	736.44	188.28
27 41 16 00-0026 Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply.....	1,297.07	269.03
27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter.....	123.19	62.76
27 41 16 00-0030 EA Two-Way Splitter.....	136.85	62.76
27 41 16 00-0031 EA Frequency Filter.....	291.12	94.29
27 41 16 00-0032 EA Line Splitter And Mixer.....	375.16	138.44
27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter.....	548.26	125.67
27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	291.12	94.29
27 41 16 00-0037 EA TV Receiver Outlet Plug.....	136.85	62.76
27 41 16 00-0038 EA TV Camera Outlet Plug.....	136.85	62.76
27 41 16 00-0039 EA Audio Outlet Plug.....	119.74	62.76
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	248.11	125.67
27 41 16 00-0041 EA Male Plug PL-259.....	136.85	62.76
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets.....	165.78	65.83
27 41 33 Master Antenna Television Systems (27 41)		
27 41 33 00-0001 Antenna Systems (27 41 33)		
27 41 33 00-0002 Antenna (27 41 33 00-0001)		
27 41 33 00-0003 EA Amateur Radio Antenna.....	1,160.38	230.73
27 41 33 00-0004 EA Multi-Band Radio Antenna.....	914.68	230.73
27 41 33 00-0005 Receptacles (27 41 33 00-0001)		
27 41 33 00-0006 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	273.99	94.29
27 41 33 00-0007 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	273.99	94.29

27 50 Distributed Communications and Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

27 51 17 Video Intercom and Exterior Gate Control System (27 51)

27 51 17 00-0001 Video Intercom And Exterior Gate Control System (27 51 17)		
27 51 17 00-0002 EA Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,592.70	192.52
27 51 17 00-0003 EA Audio Video Master Control Station (Aiphone AX-8MV)	1,296.28	192.52
27 51 17 00-0004 EA 16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	590.91	192.52
27 51 17 00-0005 EA Central Exchange Unit (Aiphone AX-084C)	1,481.14	96.26
27 51 17 00-0006 EA Central Exchange Unit (Aiphone AX-248C)	2,004.00	96.26
27 51 17 00-0007 EA Touch Tone Programmable Dialer (Viking K-1900-5)	164.21	38.51
27 51 17 00-0008 EA Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,054.75	38.51
27 51 17 00-0009 EA Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,443.85	38.51
27 51 17 00-0010 EA Surface Mount Audio/Video Door Station (Aiphone AX-DV)	479.10	38.51
27 51 17 00-0011 EA Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	538.11	38.51
27 51 17 00-0012 EA 12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL)	149.67	19.25
Note: UL Listed		
27 51 17 00-0013 EA 24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL)	162.03	19.25
Note: UL Listed		
27 51 17 00-0014 EA IP Video Master Station (Aiphone IX-MV)	1,927.17	192.52
27 51 17 00-0015 EA Handset Only For IX-MV (Aiphone 285999)	66.43	7.70
27 51 17 00-0016 EA Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	863.99	192.52
27 51 17 00-0017 EA Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	759.05	38.51
27 51 17 00-0018 EA Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	241.69	38.51
27 51 17 00-0019 EA Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	267.77	38.51
27 51 17 00-0020 EA Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	332.34	57.76
27 51 17 00-0021 EA Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	76.68	19.25

27 51 43 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers (27 51 43)

27 51 43 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	619.35	154.02
27 51 43 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	852.71	154.02
27 51 43 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	1,002.51	154.02
27 51 43 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	1,109.38	154.02
27 51 43 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,368.35	154.02
27 51 43 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,755.61	154.02
27 51 43 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	70.23	7.70

27 51 43 00-0009 Splitters (27 51 43)

27 51 43 00-0010 EA 24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,432.20	115.36
27 51 43 00-0011 EA 1-in/11-out Splitter (Doug Fleenor DMX)	3,100.29	115.36

27 51 43 00-0012 Speakers (27 51 43)

27 51 43 00-0013 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	258.18	41.22
27 51 43 00-0014 EA 8" Steel Baffle (Atlas Sound 51-8)	77.45	7.69
27 51 43 00-0015 EA T-Bar Support (Atlas Sound EZ95-8)	85.60	7.69
27 51 43 00-0016 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	129.28	7.69
27 51 43 00-0017 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	126.24	13.84

27 51 43 00-0018 Accessories (27 51 43)

27 51 43 00-0019 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	334.85	19.25
27 51 43 00-0020 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	743.38	19.25
27 51 43 00-0021 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A)	201.00	38.51
27 51 43 00-0022 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	359.91	38.51
27 51 43 00-0023 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	267.00	38.46
27 51 43 00-0024 EA Microphone Jack For Audio/Video System	131.35	38.51
27 51 43 00-0025 EA Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,046.05	154.02
27 51 43 00-0026 EA Volume Control For Audio/Video System (Bogen AT10A)	126.21	38.51
27 51 43 00-0027 EA Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8)	92.88	38.51

27 51 43 00-0028 Removal And Reinstallation Of Speakers (27 51 43)

Note: Includes storage, cleaning and supply materials.

27 51 43 00-0029 EA Removal And Reinstallation Of Ceiling Mounted Speaker	215.35	
---	--------	--

27 52 Healthcare Communications and Monitoring Systems (27 50)

27 52 23 Nurse Call/Code Blue Systems (27 52)

27 52 23 00-0001 Wireless Equipment Nurses Call Systems (27 52 23)
Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.

27 52 23 00-0002 Wireless Nurses Call System (27 52 23 00-0001)

27 52 23 00-0003 EA NurseCall Main Unit (Rechargeable Battery Included); NCM2	8,815.33
27 52 23 00-0004 EA NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	9,855.48

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 52 Healthcare Communications and Monitoring Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,190.50	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	5,031.63	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,530.42	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	4,029.04	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,033.04	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	504.38	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	36.31	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	737.18	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	737.18	
27 52 23 00-0014	EA	Remote Reset Button; S35R	716.26	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	501.39	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	45.27	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	611.96	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,946.19	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,252.24	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	980.28	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	980.28	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,207.41	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	2,061.22	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	4,078.45	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,224.66	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	3,825.20	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	19,712.00	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	91.82	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	82.85	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	41.01	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	19,404.26	
27 52 23 00-0032	EA	Serial Printer; NCSP	2,025.05	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	42.29	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	78.15	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	42.29	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	8,678.45	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,221.53	

27 52 23 00-0038 Wireless Nurses Call Tele/Management System (27 52 23 00-0001)

27 52 23 00-0039	EA	Tele/Management Unit; TP12	4,974.99	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,602.12	

27 52 23 00-0041 Wireless Nurses Call Paging System (27 52 23 00-0001)

27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	14,342.64	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	1,002.50	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,343.19	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,639.05	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	93.51	

27 52 23 00-0047 Equipment Nurses Call Systems (27 52 23)

27 52 23 00-0048	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	325.24	79.99
27 52 23 00-0049	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,314.12	319.95
27 52 23 00-0050	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	349.44	104.60
27 52 23 00-0051	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,743.38	307.65
27 52 23 00-0052	EA	Nurses Call System, Duty Station Intercommunication Equipment	857.58	239.96
27 52 23 00-0053	EA	Nurses Call System, Staff Station Intercommunication Equipment	435.17	79.99
27 52 23 00-0054	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	413.45	79.99
27 52 23 00-0055	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	637.40	139.97
27 52 23 00-0056	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	196.42	61.53
27 52 23 00-0057	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	182.43	61.53
27 52 23 00-0058	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	130.82	39.99
27 52 23 00-0059	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	190.45	61.53
27 52 23 00-0060	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	275.13	39.99
27 52 23 00-0061	EA	Nurses Call System, Cord Set Intercommunication Equipment	141.35	39.99
27 52 23 00-0062	EA	Nurse Call System, Master-20 Station	6,685.33	307.65
27 52 23 00-0063	EA	Dukane Duty Station - Tone Only, PC1000	1,148.56	240.12

27 53 Distributed Systems (27 50)**27 53 13 Clock Systems (27 53)****27 53 13 16 Wired Clock Systems (27 53 13)****27 53 13 16-0001 Wired Self-Corrective Clock Systems (27 53 13 16)****27 53 13 16-0002 Wired Self-Corrective Clocks (27 53 13 16-0001)****27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)****27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	297.97 -20.36 -29.20	38.46
27 53 13 16-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	692.52 -36.14 -60.77	38.46
27 53 13 16-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.72 -26.21 -37.96	38.46
27 53 13 16-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	910.78 -94.90 -128.26	38.46
27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	297.97 -20.36 -29.20	38.46
27 53 13 16-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	692.52 -36.14 -60.77	38.46
27 53 13 16-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.72 -26.21 -37.96	38.46
27 53 13 16-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	910.78 -94.90 -128.26	38.46
27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	241.33	19.22
27 53 13 16-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks.....	66.44	19.22
27 53 13 16-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks.....	82.54	19.22
27 53 13 16-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks.....	99.33	19.22
27 53 13 16-0019 EA Combination Back Box For Speaker And Clock.....	170.33	30.76
27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)		
27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	365.13 57.64 -17.29 -28.82	38.46
27 53 13 16-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	555.41 95.70 -28.71 -47.85	38.46
27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	365.13 57.64 -17.29 -28.82	38.46
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	555.41 95.70 -28.71 -47.85	38.46
27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	314.07 -14.23 -23.72	38.46
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	509.24 -25.94 -43.23	38.46
27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	314.07 -14.23 -23.72	38.46
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	509.24 -25.94 -43.23	38.46
27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	326.68	19.22

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	83.23	19.22
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	112.61	19.22
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	286.10	19.22
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	85.34	19.22
27 53 13 16-0039 Wired Self-Corrective Master Clocks <small>(27 53 13 16-0001)</small>		
27 53 13 16-0040 Wired Self-Corrective Master Clocks <small>(27 53 13 16-0039)</small>		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	3,407.92	307.65
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	3,617.79	307.65
27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks <small>(27 53 13 16-0039)</small>		
27 53 13 16-0044 EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	365.80	76.91
27 53 13 16-0045 EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	409.86	76.91
27 53 13 16-0046 Other Clock And Program Systems <small>(27 53 13 16)</small>		
27 53 13 16-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	2,038.79	153.82
27 53 13 16-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	2,510.56	307.65
27 53 13 16-0049 EA Program Bell (Lathem 906-6).....	320.52	76.91
27 53 13 16-0050 EA Combination Clock And Speaker	734.27	192.28

END OF SECTION 27



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	---------------------	------------------------	----------------------

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security ⁽²⁸⁾

28 05 26 Grounding and Bonding for Electronic Safety and Security ^(28 05)

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security ^(28 05)

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control ⁽²⁸⁾

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices ^(28 10)

28 15 11 Integrated Credential Readers and Field Entry Management ^(28 15)

28 15 11 13 Keypads ^(28 15 11)

28 15 11 13-0001 Vindicator Security Alarm System ^(28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,858.02	320.72
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	2,345.29	416.86
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	12,010.26	913.70
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	5,654.30	778.65
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,529.44	425.93

28 16 Access Control Interfaces ^(28 10)

28 16 11 Access Control Interfaces to Access Control Hardware ^(28 16)

28 16 11 00-0001 Stand Alone Access Controls ^(28 16 11)

28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	159.34	38.46
		Note: Controls mount to a standard mullion.		
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	166.20	38.46
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators.....	205.70	38.46
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.				
28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	195.97	38.46
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	915.32	115.36
		Note: Includes post, mounting base and push button control. Excludes concrete foundation.		
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	308.73	38.46
		Note: Includes open, close and stop controls.		

28 16 11 00-0011 Key Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls ^(28 16 11 00-0011)

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....	218.58	38.46
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls ^(28 16 11 00-0011)

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls.....	342.71	76.91
		Note: Opens door or gate with a postal or fire department key.		
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....	524.74	76.91
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls.....	524.74	76.91
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	785.75	76.91

28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls ^(28 16 11 00-0019)

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....	300.15	38.46
		Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.		

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls <small>(28 16 11 00-0019)</small> Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023 Keypad Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0022)</small>		
28 16 11 00-0024 EA 1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	1,252.11 212.50	153.82
28 16 11 00-0025 Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls <small>(28 16 11 00-0022)</small> Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026 EA 1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	1,513.79 262.73	173.05
28 16 11 00-0027 RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0028 Exterior Mount, RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0027)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029 RF Receivers, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030 EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 28 16 11 00-0031 EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 28 16 11 00-0032 EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 28 16 11 00-0033 EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 28 16 11 00-0034 EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 28 16 11 00-0035 EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 28 16 11 00-0036 EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	771.29 864.02 953.32 1,049.48 1,138.77 1,234.94 1,324.23	153.82 153.82 153.82 153.82 153.82 153.82 153.82
28 16 11 00-0037 RF Transmitters, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0038 EA 1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls <i>For >40 To 110, Deduct</i> <i>For >110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	58.38 -2.92 -5.84 11.68	
28 16 11 00-0039 EA 2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls <i>For >40 To 110, Deduct</i> <i>For >110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	61.82 -3.09 -6.18 12.36	
28 16 11 00-0040 EA 3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls <i>For >40 To 110, Deduct</i> <i>For >110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	65.25 -3.26 -6.53 13.05	
28 16 11 00-0041 Accessories For RF Receivers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0042 EA Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	313.16	115.36
28 16 11 00-0043 EA Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 20' of coax cable.	574.17	115.36
28 16 11 00-0044 EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls..... Note: Includes 15' of coax cable.	526.09	115.36
28 16 11 00-0045 Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0046 Exterior Mount, Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0045)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047 DKS Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0048 DKS Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0047)</small>		
28 16 11 00-0049 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,423.83	153.82
28 16 11 00-0050 AWID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0051 AWID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0050)</small>		
28 16 11 00-0052 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,544.03	153.82
28 16 11 00-0053 HID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0054 HID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0053)</small>		
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,818.79	153.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0056		
28 16 11 00-0057		
28 16 11 00-0058	874.33	153.82
28 16 11 00-0059		
28 16 11 00-0060	1,068.26	153.82
28 16 11 00-0061		
28 16 11 00-0062	154.18	38.46
28 16 11 00-0063	161.70	30.76
28 16 11 00-0064		
28 16 11 00-0065		
28 16 11 00-0066		
28 16 11 00-0067		
28 16 11 00-0068	9.14	
28 16 11 00-0069	15.07	
28 16 11 00-0070	15.87	
28 16 11 00-0071	89.75	
28 16 11 00-0072	117.00	
28 16 11 00-0073		
28 16 11 00-0074	567.26	192.28
28 16 11 00-0075	567.26	192.28
28 16 11 00-0076	567.26	192.28
28 16 11 00-0077	1,423.11	192.28
28 16 11 00-0078		
28 16 11 00-0079		
28 16 11 00-0080	7.69	
28 16 11 00-0081	12.02	
28 16 11 00-0082	12.82	
28 16 11 00-0083	44.88	
28 16 11 00-0084	44.88	
28 16 11 00-0085		
28 16 11 00-0086	673.04	192.28
28 16 11 00-0087	903.83	192.28
28 16 11 00-0088	903.83	192.28
28 16 11 00-0089	1,426.32	192.28
28 16 11 00-0090	7,696.16	192.28
28 16 11 00-0091		
28 16 11 00-0092		
28 16 11 00-0093	20.84	
28 16 11 00-0094	26.61	
28 16 11 00-0095	27.25	

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096 HID, Proximity Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0091)</small>		
28 16 11 00-0097 EA Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	629.22	192.28
Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	728.07	192.28
Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	802.21	192.28
Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100 EA EntryProx Single-Door Proximity Access Control.....	1,002.40	192.28
Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0101 Contactless Smart Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0102 HID, Contactless Smart Cards <small>(28 16 11 00-0101)</small>		
28 16 11 00-0103 EA 2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	14.10	
28 16 11 00-0104 EA 16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	15.40	
28 16 11 00-0105 EA 16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	20.15	
28 16 11 00-0106 EA 16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card.....	10.91	
Note: Battery powered tag to boost signal.		
28 16 11 00-0107 HID, Contactless Smart Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0108 EA Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10).....	638.92	192.28
Note: For mullion mounting.		
28 16 11 00-0109 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40).....	850.48	192.28
Note: For mullion mounting.		
28 16 11 00-0110 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	1,326.49	192.28
Note: For mullion mounting.		
28 16 11 00-0111 HID, Contactless Smart Card Programmer, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0112 EA HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400).....	4,003.72	192.28
Note: For mullion mounting.		
28 16 11 00-0113 Call Station Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114 EA Call Station With Entry Keypad, Exterior Wiegand Output Access Controls.....	1,620.93	192.28
Note: For mullion mounting.		
28 16 11 00-0115 EA Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	1,363.35	192.28
Note: For mullion mounting.		
28 16 11 00-0116 Biometrics Readers, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0117 EA Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	6,851.23	153.82
28 16 11 00-0118 EA CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	8,354.90	153.82
28 16 11 00-0119 EA Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	3,330.09	153.82
28 16 11 00-0120 EA Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	2,058.05	153.82
28 16 11 00-0121 EA Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	2,284.72	153.82
28 16 11 00-0122 EA Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	2,058.05	153.82
28 16 11 00-0123 Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11)</small>		
Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124 2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		
28 16 11 00-0125 EA 44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	451.86	42.19
Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	857.12	42.19
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	410.65	42.19
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 808.74	808.74	50.62
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 959.85	959.85	50.62
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 599.24	599.24	50.62
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0129)		
28 16 11 00-0133 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 2,582.16	2,582.16	63.28
Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 2,702.36	2,702.36	63.28
Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0135 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,139.71	1,139.71	21.09
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,792.24	1,792.24	63.28
28 16 11 00-0137 Access Control Accessories (28 16 11)		
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) 678.41	678.41	
28 16 11 00-0139 EA 7 Amperes, 12 Volt, Battery 85.45	85.45	
28 16 11 00-0140 EA 18 Amperes, 12 Volt, Battery 190.48	190.48	
28 16 11 00-0141 EA Door Personality Module (Sensormatic RM-4) 736.28	736.28	38.46
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400) 316.33	316.33	76.91
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C) 104.90	104.90	46.15
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB) 790.56	790.56	30.76
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4) 120.43	120.43	7.70
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL) 93.95	93.95	30.76
28 16 11 00-0147 EA 4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) 577.13	577.13	
Note: Set in concrete.		
28 16 11 00-0148 EA 16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16) 768.08	768.08	192.28
28 16 11 00-0149 Access Controllers (28 16 11)		
28 16 11 00-0150 Microterm Controller (28 16 11 00-0149)		
28 16 11 00-0151 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100) 1,866.86	1,866.86	192.28
Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0152 EA Microterm PC Board (Continental Instruments CICIP1100PCB) 1,325.58	1,325.58	115.36
28 16 11 00-0153 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2) 616.93	616.93	
Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.		
28 16 11 00-0154 Miniterm Controller (28 16 11 00-0149)		
28 16 11 00-0155 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200) 2,884.53	2,884.53	192.28
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0156 EA Miniterm PC Board (Continental Instrument CICIP1200PCB) 2,157.37	2,157.37	115.36
28 16 11 00-0157 Super-2 Controller (28 16 11 00-0149)		
28 16 11 00-0158 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) 2,152.87	2,152.87	192.28
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0159 EA Super-Two - PC Board (Continental Instruments CICIP1300BD) 1,458.09	1,458.09	115.36
28 16 11 00-0160 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD) 422.17	422.17	115.36
Note: Optional on-board adapter allows for communication over TCP/IP.		
28 16 11 00-0161 Smarterm Controller (28 16 11 00-0149)		
28 16 11 00-0162 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) 5,997.49	5,997.49	230.73
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0163 EA Smarterm PC Board (Continental Instrument CICIP1400PCB) 4,581.89	4,581.89	115.36
28 16 11 00-0164 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1) 1,798.51	1,798.51	115.36
Note: Up to 10,000 cardholders.		
28 16 11 00-0165 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1) 2,546.14	2,546.14	115.36
Note: Up to 50,000 cardholders.		
28 16 11 00-0166 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) 1,985.92	1,985.92	115.36
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0167 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB) 1,985.92	1,985.92	115.36
Note: (Supervised) 16 alarm inputs.		
28 16 11 00-0168 Superterm-4 Controller (28 16 11 00-0149)		

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,541.26	230.73
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	4,505.21	115.36
28 16 11 00-0171 Superterm-8 Controller (28 16 11 00-0149)		
28 16 11 00-0172 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,401.62	384.55
28 16 11 00-0173 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,024.64	384.55
28 16 11 00-0174 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB)	6,057.92	115.36
28 16 11 00-0175 Turbo Superterm-4 Controller (28 16 11 00-0149)		
28 16 11 00-0176 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT)..... Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,541.26	230.73
28 16 11 00-0177 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB).....	4,505.21	115.36
28 16 11 00-0178 Turbo Superterm-8 Controller (28 16 11 00-0149)		
28 16 11 00-0179 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T)..... Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,401.62	384.55
28 16 11 00-0180 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,024.64	384.55
28 16 11 00-0181 EA Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	6,057.92	115.36
28 16 11 00-0182 EA Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)..... Note: Up to 140,000 cardholders.	2,546.14	115.36
28 16 11 00-0183 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)..... Note: Up to 140,000 cardholders.	2,147.39	115.36
28 16 11 00-0184 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB)..... Note: 16 Output relays, 8 alarm inputs.	1,987.94	115.36
28 16 11 00-0185 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB)..... Note: (Supervised) 16 Alarm inputs.	1,987.94	115.36
28 16 11 00-0186 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPWS)	799.13	
28 16 11 00-0187 Intelligent Controller (28 16 11 00-0149)		
28 16 11 00-0188 EA Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	1,432.23	115.36
28 16 11 00-0189 EA Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,494.84	192.28
28 16 11 00-0190 Access Control Bundled System (28 16 11)		
28 16 11 00-0191 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0)..... Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	39,801.95	
28 16 11 00-0192 Magnetic Locks (28 16 11) Note: Excludes access controls.		
28 16 11 00-0193 Magnetic Door Locks (28 16 11 00-0192)		
28 16 11 00-0194 300 LB Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0195 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	716.34	153.82
28 16 11 00-0196 600 LB Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0197 EA 600 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 86.50 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 173.01 For Mortise Mount, Deduct -138.41	999.68	153.82
28 16 11 00-0198 EA 600 LB, Dual Doors, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 144.67 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 289.35	1,465.04	153.82
28 16 11 00-0199 1,200 LB Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0200 EA 1,200 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 169.04 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 220.49	1,042.61	153.82
28 16 11 00-0201 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 287.53 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 375.04	1,557.77	153.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202			2,000 LB Shear Lock, Magnetic And Mechanical Locks <small>(28 16 11 00-0193)</small> Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203	EA		Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	1,088.98	153.82
28 16 11 00-0204			Magnetic Gate Locks <small>(28 16 11 00-0192)</small>		
28 16 11 00-0205			600 LB Magnetic Gate Locks <small>(28 16 11 00-0204)</small>		
28 16 11 00-0206	EA		600 LB Magnetic Gate Lock	829.68	153.82
28 16 11 00-0207			1,200 LB Magnetic Gate Locks <small>(28 16 11 00-0204)</small>		
28 16 11 00-0208	EA		1,200 LB Magnetic Gate Lock	985.94	153.82
			<i>For LED Status Indicator And Signal Relay, Add</i>	84.79	
			<i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	169.57	
			<i>For Mortise Mount, Deduct</i>	-135.66	
28 16 11 00-0209			Magnetic Lock Power Supply And Chargers <small>(28 16 11 00-0192)</small> Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210	EA		12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	629.76	153.82
28 16 11 00-0211	EA		12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	785.45	153.82
28 16 11 00-0212	EA		12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	877.03	153.82
28 16 11 00-0213	EA		12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	1,087.68	153.82
28 16 11 00-0214			Master Door Buzzer Stations <small>(28 16 11)</small>		
28 16 11 00-0215			Master Stations <small>(28 16 11 00-0214)</small>		
28 16 11 00-0216	EA		Master Stations, 5 Station Intercommunication Equipment	1,269.78	239.96
28 16 11 00-0217	EA		Master Stations, 10 Station Intercommunication Equipment	1,946.23	464.54
28 16 11 00-0218	EA		Master Station, Desk Style Remote Intercommunication Equipment.....	551.89	119.98
28 16 11 00-0219	EA		Master Station, Flush Wall Remote Intercommunication Equipment	723.61	199.97
28 16 11 00-0220	EA		Sound System Outlet, Protector	195.65	78.30
28 16 11 00-0221	EA		Sound System Microphone Outlet.....	350.84	160.28
28 16 11 00-0222	EA		Ceiling Or Wall, Sound System Speaker	252.09	78.30
28 16 11 00-0223	EA		Sound System Monitor Panel	711.26	160.28
28 16 11 00-0224	EA		Sound System Volume Control.....	221.68	78.30
28 16 11 00-0225	EA		250 Watt, Sound System Amplifier	3,253.62	640.98
28 16 11 00-0226	EA		Sound System Cabinet.....	1,998.30	640.98
28 16 11 00-0227			Master Door Stations <small>(28 16 11 00-0214)</small>		
28 16 11 00-0228	EA		Master Door Stations, Button Buzzer Type, 25 Station.....	3,025.37	
			<i>For Intercom Type Master Door Station, Add</i>	216.80	
28 16 11 00-0229	EA		Master Door Stations, Button Buzzer Type, 50 Station.....	5,016.23	
			<i>For Intercom Type Master Door Station, Add</i>	351.21	
28 16 11 00-0230	EA		Master Door Stations, Button Buzzer Type, 75 Station.....	6,903.47	
			<i>For Intercom Type Master Door Station, Add</i>	455.27	
28 16 11 00-0231	EA		Master Door Stations, Button Buzzer Type, 100 Station.....	7,881.75	
			<i>For Intercom Type Master Door Station, Add</i>	533.32	
28 16 11 00-0232	EA		Master Door Stations, Button Buzzer Type, 150 Station.....	9,468.57	
			<i>For Intercom Type Master Door Station, Add</i>	780.46	
28 16 11 00-0233	EA		Master Door Stations, Button Buzzer Type, 200 Station.....	11,044.18	
			<i>For Intercom Type Master Door Station, Add</i>	1,005.93	
28 16 11 00-0234	EA		Master Door Stations, Button Buzzer Type, 250 Station.....	13,878.18	
			<i>For Intercom Type Master Door Station, Add</i>	1,300.77	
28 16 11 00-0235	EA		Master Door Stations, Button Buzzer Type, 300 Station.....	16,624.98	
			<i>For Intercom Type Master Door Station, Add</i>	1,491.55	
28 16 11 00-0236	EA		Transformer	210.19	
28 16 11 00-0237	EA		Door Opener.....	311.62	
28 16 11 00-0238	EA		Buzzer With Door Release And Plate	388.59	
28 16 11 00-0239	EA		Amplifier For Intercom Type Unit.....	601.48	
28 16 11 00-0240	EA		Speaker With Door Release	257.16	

28 18 Security Access Detection Equipment (28 10)

28 18 11 Security Access Metal Detectors (28 18)

28 18 11 00-0001	EA		Handheld Scanner (Garrett Super Scanner V).....	293.43	38.46
28 18 11 00-0002	EA		Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	4,677.21	461.46
28 18 11 00-0003	EA		Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500).....	7,184.51	615.28

28 20 Video Surveillance (28)

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras (28 20)

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**28 21 31 Proprietary Surveillance Camera Systems (28 21)**

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
28 21 31 00-0002		Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003		Cameras (28 21 31 00-0002)		
28 21 31 00-0004		Compact, 1/3" Format Cameras (28 21 31 00-0003)		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	647.92	38.51
28 21 31 00-0007		Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0008	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	388.98	38.51
28 21 31 00-0009		Camerapaks (28 21 31 00-0002)		
		Note: Includes camera and lens.		
28 21 31 00-0010		Camerapaks (28 21 31 00-0009)		
28 21 31 00-0011		High Resolution Color, Camerapaks (28 21 31 00-0010)		
28 21 31 00-0012		Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0013		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0014	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	501.29	38.51
28 21 31 00-0015	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	472.17	38.51
28 21 31 00-0016	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	458.65	38.51
28 21 31 00-0017	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	455.53	38.51
28 21 31 00-0018		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0019	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	544.97	38.51
28 21 31 00-0020	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	501.29	38.51
28 21 31 00-0021	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	490.89	38.51
28 21 31 00-0022	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	482.57	38.51
28 21 31 00-0023		Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0024		Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0025	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	587.60	38.51
28 21 31 00-0026	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	531.45	38.51
28 21 31 00-0027	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	485.69	38.51
28 21 31 00-0028	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	466.97	38.51
28 21 31 00-0029	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	536.65	38.51
28 21 31 00-0030		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0031	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	633.36	38.51
28 21 31 00-0032	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	594.88	38.51
28 21 31 00-0033	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	529.37	38.51
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	474.25	38.51
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	558.48	38.51
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	629.20	38.51
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	719.67	38.51
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	498.17	38.51
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	592.80	38.51
28 21 31 00-0041		High Resolution Day/Night, Camerapaks (28 21 31 00-0010)		
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0041)		
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0042)		
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	992.12	38.51
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	926.61	38.51
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	871.49	38.51
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	955.73	38.51
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,026.44	38.51
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,115.87	38.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0050 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0042)		
28 21 31 00-0051 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	895.41	38.51
28 21 31 00-0052 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	990.04	38.51
28 21 31 00-0053 Compact Camerapaks (28 21 31 00-0009)		
28 21 31 00-0054 High Resolution Color, Compact Camerapaks (28 21 31 00-0053)		
28 21 31 00-0055 DSS, High Resolution Color, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0056 Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0055)		
28 21 31 00-0057 Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)		
28 21 31 00-0058 EA 2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	772.70	38.51
28 21 31 00-0059 EA 2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	743.59	38.51
28 21 31 00-0060 EA 4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	729.03	38.51
28 21 31 00-0061 EA 8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	725.91	38.51
28 21 31 00-0062 Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)		
28 21 31 00-0063 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	815.34	38.51
28 21 31 00-0064 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	772.70	38.51
28 21 31 00-0065 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	762.30	38.51
28 21 31 00-0066 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	753.98	38.51
28 21 31 00-0067 Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0055)		
28 21 31 00-0068 Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0069 EA 1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	859.01	38.51
28 21 31 00-0070 EA 2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	801.82	38.51
28 21 31 00-0071 EA 2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	757.10	38.51
28 21 31 00-0072 EA 3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	738.39	38.51
28 21 31 00-0073 EA 5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	807.02	38.51
28 21 31 00-0074 EA 5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	851.74	38.51
28 21 31 00-0075 EA 5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	957.81	38.51
28 21 31 00-0076 Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0077 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	903.73	38.51
28 21 31 00-0078 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	866.29	38.51
28 21 31 00-0079 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	800.78	38.51
28 21 31 00-0080 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	744.63	38.51
28 21 31 00-0081 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	829.90	38.51
28 21 31 00-0082 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	900.61	38.51
28 21 31 00-0083 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	990.04	38.51
28 21 31 00-0084 Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0085 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	769.58	38.51
28 21 31 00-0086 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	864.21	38.51
28 21 31 00-0087 EDR, High Resolution Color, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0088 Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0089 Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0090 EA 2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	772.70	38.51
28 21 31 00-0091 EA 2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	581.36	38.51
28 21 31 00-0092 EA 4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	566.80	38.51
28 21 31 00-0093 EA 8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	563.68	38.51
28 21 31 00-0094 Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0095 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	653.11	38.51
28 21 31 00-0096 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	610.48	38.51
28 21 31 00-0097 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	600.08	38.51
28 21 31 00-0098 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	600.08	38.51

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0099 Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0100 Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0101 EA 1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	696.79	38.51
28 21 31 00-0102 EA 2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	639.60	38.51
28 21 31 00-0103 EA 2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	594.88	38.51
28 21 31 00-0104 EA 3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	576.16	38.51
28 21 31 00-0105 EA 5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	644.80	38.51
28 21 31 00-0106 EA 5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	689.51	38.51
28 21 31 00-0107 EA 5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	795.58	38.51
28 21 31 00-0108 Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0109 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	741.51	38.51
28 21 31 00-0110 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	704.07	38.51
28 21 31 00-0111 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	637.52	38.51
28 21 31 00-0112 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	582.40	38.51
28 21 31 00-0113 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	667.67	38.51
28 21 31 00-0114 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	738.39	38.51
28 21 31 00-0115 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	827.82	38.51
28 21 31 00-0116 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0117 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	607.36	38.51
28 21 31 00-0118 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	701.99	38.51
28 21 31 00-0119 High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0053)		
28 21 31 00-0120 Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0121 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0122 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	714.47	38.51
28 21 31 00-0123 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0124 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	803.90	38.51
28 21 31 00-0125 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	760.22	38.51
28 21 31 00-0126 Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0127 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0128 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	744.63	38.51
28 21 31 00-0129 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	725.91	38.51
28 21 31 00-0130 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	840.30	38.51
28 21 31 00-0131 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0132 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	853.82	38.51
28 21 31 00-0133 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	788.30	38.51
28 21 31 00-0134 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	733.19	38.51
28 21 31 00-0135 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	817.42	38.51
28 21 31 00-0136 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	888.13	38.51
28 21 31 00-0137 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	978.60	38.51
28 21 31 00-0138 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0139 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	757.10	38.51
28 21 31 00-0140 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	851.74	38.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0141			Camera Systems (28 21 31 00-0002)		
28 21 31 00-0142			Camera Dome Systems (28 21 31 00-0141)		
28 21 31 00-0143			Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0142)		
28 21 31 00-0144			Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0143) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145			Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0146			Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0147	EA		22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,194.92	231.03
28 21 31 00-0148	EA		22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,621.28	231.03
28 21 31 00-0149	EA		22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	3,812.62	231.03
28 21 31 00-0150	EA		22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,243.52	231.03
28 21 31 00-0151			Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0152	EA		16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,711.36	231.03
28 21 31 00-0153	EA		16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,926.62	231.03
28 21 31 00-0154	EA		16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,119.00	231.03
28 21 31 00-0155	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,229.23	231.03
28 21 31 00-0156	EA		16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,229.23	231.03
28 21 31 00-0157	EA		22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,377.94	231.03
28 21 31 00-0158	EA		22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	3,805.34	231.03
28 21 31 00-0159	EA		22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	3,997.72	231.03
28 21 31 00-0160	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,107.95	231.03
28 21 31 00-0161	EA		22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,107.95	231.03
28 21 31 00-0162			Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0163	EA		23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	3,911.41	231.03
28 21 31 00-0164	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,338.81	231.03
28 21 31 00-0165	EA		23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,531.19	231.03
28 21 31 00-0166	EA		23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,641.42	231.03
28 21 31 00-0167	EA		23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,641.42	231.03
28 21 31 00-0168			Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0169	EA		18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,562.00	231.03
28 21 31 00-0170	EA		18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	3,778.30	231.03
28 21 31 00-0171	EA		18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	3,969.64	231.03
28 21 31 00-0172	EA		18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,079.87	231.03
28 21 31 00-0173	EA		18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,079.87	231.03
28 21 31 00-0174	EA		35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,261.85	231.03
28 21 31 00-0175	EA		35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,601.90	231.03
28 21 31 00-0176	EA		35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	4,793.24	231.03
28 21 31 00-0177	EA		35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	4,903.47	231.03
28 21 31 00-0178	EA		35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	4,903.47	231.03
28 21 31 00-0179			Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0180			Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0179)		
28 21 31 00-0181	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF) <i>For Protective Lower Dome Cage, Add</i>	3,488.17 34.65	231.03
28 21 31 00-0182	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP) <i>For Protective Lower Dome Cage, Add</i>	3,673.27 34.65	231.03
28 21 31 00-0183	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE) <i>For Protective Lower Dome Cage, Add</i>	3,820.94 34.65	231.03
28 21 31 00-0184	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF) <i>For Protective Lower Dome Cage, Add</i>	4,302.41 34.65	231.03
28 21 31 00-0185	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP) <i>For Protective Lower Dome Cage, Add</i>	4,487.51 34.65	231.03
28 21 31 00-0186	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE) <i>For Protective Lower Dome Cage, Add</i>	4,636.22 34.65	231.03
28 21 31 00-0187			Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0179)		
28 21 31 00-0188	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF) <i>For Protective Lower Dome Cage, Add</i>	4,338.81 34.65	231.03
28 21 31 00-0189	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP) <i>For Protective Lower Dome Cage, Add</i>	4,523.91 34.65	231.03

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0190 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	4,672.62	231.03
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0191 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF).....	5,098.97	231.03
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0192 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP).....	5,283.04	231.03
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0193 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	5,431.74	231.03
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0194 Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0195 Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0194)		
28 21 31 00-0196 EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	5,704.20	231.03
28 21 31 00-0197 EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	6,464.36	231.03
28 21 31 00-0198 Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0199 Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0200 EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	4,974.19	231.03
28 21 31 00-0201 Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0202 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	4,344.01	231.03
28 21 31 00-0203 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	5,159.29	231.03
28 21 31 00-0204 Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0205 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	5,692.76	231.03
28 21 31 00-0206 Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0207 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	5,195.68	231.03
28 21 31 00-0208 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	5,954.81	231.03
28 21 31 00-0209 Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0210 Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0209)		
28 21 31 00-0211 EA 10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	2,060.39	231.03
28 21 31 00-0212 Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0143)		
Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213 Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0214 Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)		
28 21 31 00-0215 EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	3,703.43	231.03
28 21 31 00-0216 EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	3,895.81	231.03
28 21 31 00-0217 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	4,006.04	231.03
28 21 31 00-0218 EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	4,006.04	231.03
28 21 31 00-0219 EA 22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	4,582.14	231.03
28 21 31 00-0220 EA 22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	4,774.53	231.03
28 21 31 00-0221 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	4,884.75	231.03
28 21 31 00-0222 EA 22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	4,884.75	231.03
28 21 31 00-0223 Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)		
28 21 31 00-0224 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	5,115.61	231.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0225 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	5,307.99	231.03
28 21 31 00-0226 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	5,418.22	231.03
28 21 31 00-0227 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	5,418.22	231.03
28 21 31 00-0228 Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0229 Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0228)		
28 21 31 00-0230 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	4,264.97	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0231 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	4,450.08	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0232 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....	4,597.74	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0233 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....	5,079.22	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0234 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	5,264.32	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0235 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	5,413.02	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0236 Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0228)		
28 21 31 00-0237 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....	5,115.61	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0238 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....	5,300.71	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0239 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	5,449.42	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0240 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1).....	5,875.78	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0241 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1).....	6,059.84	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0242 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1).....	6,208.55	231.03
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0243 Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0244 Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0245 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	5,120.81	231.03
28 21 31 00-0246 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	5,936.09	231.03
28 21 31 00-0247 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0248 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,469.56	231.03
28 21 31 00-0249 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0250 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	5,972.49	231.03
28 21 31 00-0251 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,731.62	231.03
28 21 31 00-0252 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0253 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 31 00-0252)		
28 21 31 00-0254 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	2,561.62	231.03

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0255 Spectra®, Pan/Tilt Dome Drives <small>(28 21 31 00-0143)</small>		
Note: Includes dome drive, camera and lens.		
28 21 31 00-0256 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,905.38	192.52
28 21 31 00-0257 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,404.54	192.52
28 21 31 00-0258 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,021.20	192.52
28 21 31 00-0259 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,391.02	192.52
28 21 31 00-0260 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,205.26	192.52
28 21 31 00-0261 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,241.66	192.52
28 21 31 00-0262 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	3,738.73	192.52
28 21 31 00-0263 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,001.82	192.52
28 21 31 00-0264 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,001.82	192.52
28 21 31 00-0265 Accessories For Spectra® Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0143)</small>		
28 21 31 00-0266 EA Upgrade To Chrome Lower Dome (Pelco Spectra)	146.63	
28 21 31 00-0267 EA Upgrade To Gold Lower Dome (Pelco Spectra)	191.34	
28 21 31 00-0268 EA Wall Mount For Spectra® Systems (Pelco IWM-BK)	167.46	19.25
28 21 31 00-0269 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	409.75	19.25
28 21 31 00-0270 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	163.30	19.25
28 21 31 00-0271 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	312.79	19.25
28 21 31 00-0272 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402)	91.13	11.46
28 21 31 00-0273 Camclosure®, Camera Dome Systems <small>(28 21 31 00-0142)</small>		
28 21 31 00-0274 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0273)</small>		
28 21 31 00-0275 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0274)</small>		
28 21 31 00-0276 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0277 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	831.22	231.03
28 21 31 00-0278 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	893.62	231.03
28 21 31 00-0279 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	982.01	231.03
28 21 31 00-0280 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	982.01	231.03
28 21 31 00-0281 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0282 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	993.45	231.03
28 21 31 00-0283 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	1,074.56	231.03
28 21 31 00-0284 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	1,074.56	231.03
28 21 31 00-0285 Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0286 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,124.48	231.03
28 21 31 00-0287 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,325.18	231.03
28 21 31 00-0288 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,325.18	231.03
28 21 31 00-0289 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0290 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,220.15	231.03
28 21 31 00-0291 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,349.09	231.03
28 21 31 00-0292 Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0274)</small>		
28 21 31 00-0293 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
28 21 31 00-0294 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	873.75	154.02
28 21 31 00-0295 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
28 21 31 00-0296 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	991.25	154.02



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0297				Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
28 21 31 00-0298	EA			9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	1,084.85	154.02
28 21 31 00-0299				Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
28 21 31 00-0300	EA			9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	1,131.64	154.02
28 21 31 00-0301				Camclosure® IS Integrated Cameras <small>(28 21 31 00-0274)</small>		
28 21 31 00-0302	EA			12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12).....	634.57	154.02
28 21 31 00-0303	EA			9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	634.57	154.02
28 21 31 00-0304	EA			9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	727.12	154.02
28 21 31 00-0305	EA			9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	977.74	154.02
28 21 31 00-0306	EA			9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22).....	1,001.65	154.02
28 21 31 00-0307				Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0273)</small>		
28 21 31 00-0308				Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0307)</small>		
28 21 31 00-0309				Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0308)</small>		
28 21 31 00-0310	EA			12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12).....	728.27	231.03
28 21 31 00-0311	EA			12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T).....	772.99	231.03
28 21 31 00-0312	EA			12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12).....	951.85	231.03
28 21 31 00-0313	EA			12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12).....	951.85	231.03
28 21 31 00-0314				High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0308)</small>		
28 21 31 00-0315	EA			3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A).....	1,152.55	231.03
28 21 31 00-0316				Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0307)</small>		
28 21 31 00-0317				Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0316)</small>		
28 21 31 00-0318	EA			12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12).....	797.83	154.02
28 21 31 00-0319				Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0307)</small>		
28 21 31 00-0320				High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
28 21 31 00-0321	EA			9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22).....	1,074.56	231.03
28 21 31 00-0322				Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
28 21 31 00-0323	EA			9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	1,168.15	231.03
28 21 31 00-0324				Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
28 21 31 00-0325	EA			9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22).....	1,285.66	231.03
28 21 31 00-0326				Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
28 21 31 00-0327	EA			9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22).....	1,332.46	231.03
28 21 31 00-0328				Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0273)</small>		
28 21 31 00-0329				Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0328)</small>		

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0330 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0331 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,848.25	231.03
28 21 31 00-0332 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,848.25	231.03
28 21 31 00-0333 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0334 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,977.19	231.03
28 21 31 00-0335 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,977.19	231.03
28 21 31 00-0336 Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0337 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,175.82	231.03
28 21 31 00-0338 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,175.82	231.03
28 21 31 00-0339 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0340 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,316.20	231.03
28 21 31 00-0341 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,316.20	231.03
28 21 31 00-0342 Accessories For Camclosure® Camera Dome Systems (28 21 31 00-0273)		
28 21 31 00-0343 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	41.82	11.56
28 21 31 00-0344 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	41.82	11.56
28 21 31 00-0345 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	57.23	19.25
28 21 31 00-0346 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	86.35	19.25
28 21 31 00-0347 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	85.49	11.56
28 21 31 00-0348 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	86.35	19.25
28 21 31 00-0349 EA Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	107.14	19.25
28 21 31 00-0350 EA Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	280.83	38.51
28 21 31 00-0351 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	280.83	38.51
28 21 31 00-0352 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	280.83	38.51
28 21 31 00-0353 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	280.83	38.51
28 21 31 00-0354 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	101.94	19.25
28 21 31 00-0355 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	123.81	38.51
28 21 31 00-0356 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	123.81	38.51
28 21 31 00-0357 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	123.81	38.51
28 21 31 00-0358 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	123.81	38.51
28 21 31 00-0359 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	123.81	38.51
28 21 31 00-0360 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	123.81	38.51
28 21 31 00-0361 EA Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	356.99	52.59
28 21 31 00-0362 EA Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	74.91	19.25
28 21 31 00-0363 EA Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	121.70	19.25
28 21 31 00-0364 EA White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	74.91	19.25
28 21 31 00-0365 EA White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	121.70	19.25
28 21 31 00-0366 EA Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,730.74	231.03
28 21 31 00-0367 Pan/Tilt Camera Systems (28 21 31 00-0141)		
28 21 31 00-0368 Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0367) Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369 EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0368)		
28 21 31 00-0370 Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0369)		
28 21 31 00-0371 EA 10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	4,762.22	346.54
28 21 31 00-0372 EA 20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,387.20	346.54
28 21 31 00-0373 EA 30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,253.44	346.54
28 21 31 00-0374 EA 10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	4,896.37	346.54
28 21 31 00-0375 EA 20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,549.42	346.54
28 21 31 00-0376 EA 30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,415.66	346.54



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0377				Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0369)</small>		
28 21 31 00-0378	EA			10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	4,804.85	346.54
28 21 31 00-0379	EA			20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	5,429.83	346.54
28 21 31 00-0380	EA			30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	6,296.07	346.54
28 21 31 00-0381	EA			10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	4,940.04	346.54
28 21 31 00-0382	EA			20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	5,592.06	346.54
28 21 31 00-0383	EA			30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	6,458.30	346.54
28 21 31 00-0384				Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
28 21 31 00-0385				DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0384)</small>		
28 21 31 00-0386				Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0385)</small>		
28 21 31 00-0387	EA			10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	4,924.44	346.54
28 21 31 00-0388	EA			20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	5,549.42	346.54
28 21 31 00-0389	EA			30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	6,415.66	346.54
28 21 31 00-0390	EA			10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	5,058.59	346.54
28 21 31 00-0391	EA			20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	5,711.65	346.54
28 21 31 00-0392	EA			30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	6,577.88	346.54
28 21 31 00-0393				Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0385)</small>		
28 21 31 00-0394	EA			10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	4,967.08	346.54
28 21 31 00-0395	EA			20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	5,592.06	346.54
28 21 31 00-0396	EA			30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	6,458.30	346.54
28 21 31 00-0397	EA			10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	5,102.27	346.54
28 21 31 00-0398	EA			20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	5,754.28	346.54
28 21 31 00-0399	EA			30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	6,620.52	346.54
28 21 31 00-0400				Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
28 21 31 00-0401				High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0400)</small>		
28 21 31 00-0402				Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0401)</small>		
28 21 31 00-0403	EA			6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	4,653.03	346.54
28 21 31 00-0404	EA			5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	5,278.01	346.54
28 21 31 00-0405	EA			5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	6,144.25	346.54
28 21 31 00-0406	EA			6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	4,788.22	346.54
28 21 31 00-0407	EA			5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	5,440.23	346.54
28 21 31 00-0408	EA			5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	6,306.47	346.54
28 21 31 00-0409				Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0401)</small>		
28 21 31 00-0410	EA			6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,696.71	346.54
28 21 31 00-0411	EA			5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	5,320.65	346.54
28 21 31 00-0412	EA			5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	6,187.92	346.54
28 21 31 00-0413	EA			6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	4,726.86	346.54
28 21 31 00-0414	EA			6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,830.85	346.54
28 21 31 00-0415	EA			5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	5,482.87	346.54
28 21 31 00-0416	EA			5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	6,350.15	346.54

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0417	Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0418	Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0417)		
28 21 31 00-0419	Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0420	EA 5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,536.94	346.54
28 21 31 00-0421	EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,403.18	346.54
28 21 31 00-0422	EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,047.15	346.54
28 21 31 00-0423	EA 5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	5,699.17	346.54
28 21 31 00-0424	EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	6,565.41	346.54
28 21 31 00-0425	Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0426	EA 6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	4,955.64	346.54
28 21 31 00-0427	EA 5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,579.58	346.54
28 21 31 00-0428	EA 5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,446.86	346.54
28 21 31 00-0429	EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,089.79	346.54
28 21 31 00-0430	EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	5,741.80	346.54
28 21 31 00-0431	EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	6,609.08	346.54
28 21 31 00-0432	Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0433	Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0432)		
28 21 31 00-0434	Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0435	EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	6,541.49	346.54
28 21 31 00-0436	EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,184.42	346.54
28 21 31 00-0437	EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	6,703.71	346.54
28 21 31 00-0438	Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0439	EA 6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,092.91	346.54
28 21 31 00-0440	EA 5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	6,585.16	346.54
28 21 31 00-0441	EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,228.09	346.54
28 21 31 00-0442	EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	5,880.11	346.54
28 21 31 00-0443	EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	6,747.39	346.54
28 21 31 00-0444	Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0445	Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0446	Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0447	EA 16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,528.63	346.54
28 21 31 00-0448	Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0449	EA 16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,571.26	346.54
28 21 31 00-0450	High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0451	Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0452	EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	6,541.49	346.54
28 21 31 00-0453	EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,329.35	346.54
28 21 31 00-0454	EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,176.87	346.54
28 21 31 00-0455	Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0456	EA 22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	6,583.08	346.54
28 21 31 00-0457	EA 24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,329.35	346.54
28 21 31 00-0458	EA 35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,223.66	346.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0459 Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
28 21 31 00-0460 High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 31 00-0459)</small>		
28 21 31 00-0461 Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 31 00-0460)</small>		
28 21 31 00-0462 EA 16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	4,281.78	346.54
28 21 31 00-0463 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	5,295.69	346.54
28 21 31 00-0464 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	5,086.67	346.54
28 21 31 00-0465 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	5,747.00	346.54
28 21 31 00-0466 Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 31 00-0460)</small>		
28 21 31 00-0467 EA 16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	4,323.38	346.54
28 21 31 00-0468 EA 22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	5,338.32	346.54
28 21 31 00-0469 EA 24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	5,129.30	346.54
28 21 31 00-0470 EA 35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	5,793.80	346.54
28 21 31 00-0471 Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
28 21 31 00-0472 Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 31 00-0471)</small>		
28 21 31 00-0473 Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 31 00-0472)</small>		
28 21 31 00-0474 EA 14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	26,801.86	346.54
28 21 31 00-0475 EA 35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	28,811.99	346.54
28 21 31 00-0476 EA 50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	29,486.88	346.54
28 21 31 00-0477 Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 31 00-0472)</small>		
28 21 31 00-0478 EA 14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	26,845.54	346.54
28 21 31 00-0479 EA 35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W).....	28,854.62	346.54
28 21 31 00-0480 EA 50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	29,529.52	346.54
28 21 31 00-0481 Accessories For Esprit® Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
28 21 31 00-0482 EA Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE).....	13.21	3.85
28 21 31 00-0483 EA Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT).....	74.91	19.25
28 21 31 00-0484 EA Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	112.34	19.25
28 21 31 00-0485 EA Wall Mount For High Security Enclosures (Pelco HSWM12).....	140.42	19.25
28 21 31 00-0486 EA Ground Isolation Transformer (Pelco GIT100).....	429.78	52.59
28 21 31 00-0487 EA High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	626.80	52.59
28 21 31 00-0488 EA High Security, Indoor 10" Length Enclosure (Pelco HS3000).....	505.69	52.59
28 21 31 00-0489 EA High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	722.13	52.59
28 21 31 00-0490 EA High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080).....	401.70	52.59
28 21 31 00-0491 EA High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134).....	1,019.82	52.59
28 21 31 00-0492 EA Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,484.24	52.59
28 21 31 00-0493 EA Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,755.65	52.59
28 21 31 00-0494 EA 24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,817.01	52.59
28 21 31 00-0495 EA 35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,913.72	52.59
28 21 31 00-0496 EA 24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,551.78	52.60
28 21 31 00-0497 EA 24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N).....	2,581.64	52.59
28 21 31 00-0498 EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,610.31	52.59
28 21 31 00-0499 EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30).....	5,901.73	52.59
28 21 31 00-0500 EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P).....	6,063.96	52.59
28 21 31 00-0501 EA Esprit® Camera Pole Mount Adapter (Pelco EPM).....	123.96	12.39
28 21 31 00-0502 EA Pole Mount Adapter For Esprit® Systems (Pelco EPM).....	123.96	12.39
28 21 31 00-0503 Camera Lenses <small>(28 21 31 00-0002)</small>		
28 21 31 00-0504 Fixed Focus Camera Lenses <small>(28 21 31 00-0503)</small>		
Note: 1/3" format and manual focus.		
28 21 31 00-0505 Manual Iris, Fixed Focus Camera Lenses <small>(28 21 31 00-0504)</small>		
28 21 31 00-0506 EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	184.60	18.07
28 21 31 00-0507 EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	155.48	18.07
28 21 31 00-0508 EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	140.92	18.07
28 21 31 00-0509 EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	137.80	18.07
28 21 31 00-0510 Direct Drive Auto Iris, Fixed Focus Camera Lenses <small>(28 21 31 00-0504)</small>		
Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	227.24	18.07
28 21 31 00-0512 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	184.60	18.07
28 21 31 00-0513 EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	174.20	18.07
28 21 31 00-0514 EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	128.44	18.07

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0515 Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516 EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	265.71	18.07
28 21 31 00-0517 EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	222.04	18.07
28 21 31 00-0518 EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	211.64	18.07
28 21 31 00-0519 EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	203.32	18.07
28 21 31 00-0520 Varifocal Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521 Manual Iris, Varifocal Camera Lenses (28 21 31 00-0520)		
28 21 31 00-0522 EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	259.60	18.07
28 21 31 00-0523 EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	213.72	18.07
28 21 31 00-0524 EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	169.00	18.07
28 21 31 00-0525 EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	150.28	18.07
28 21 31 00-0526 EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	369.70	18.07
28 21 31 00-0527 EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	204.41	18.07
28 21 31 00-0528 EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	216.96	18.07
28 21 31 00-0529 Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0530 EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	255.42	18.07
28 21 31 00-0531 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	226.99	18.07
28 21 31 00-0532 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	176.82	18.07
28 21 31 00-0533 EA 3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	135.01	18.07
28 21 31 00-0534 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	401.94	18.07
28 21 31 00-0535 EA 5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	252.91	18.07
28 21 31 00-0536 Video Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0537 EA 1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	354.10	18.07
28 21 31 00-0538 EA 2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	315.63	18.07
28 21 31 00-0539 EA 3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	195.00	18.07
28 21 31 00-0540 EA 5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	349.94	18.07
28 21 31 00-0541 Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520)		
28 21 31 00-0542 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	154.24	18.07
28 21 31 00-0543 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	225.32	18.07
28 21 31 00-0544 Motorized Zoom Camera Lenses (28 21 31 00-0503) Note: 1/3" format.		
28 21 31 00-0545 Manual Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544)		
28 21 31 00-0546 EA 8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	631.76	18.07
28 21 31 00-0547 EA 10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	785.66	18.07
28 21 31 00-0548 EA 15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	836.62	18.07
28 21 31 00-0549 Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0550 EA 6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	577.37	18.07
28 21 31 00-0551 EA 10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	665.17	18.07
28 21 31 00-0552 EA 15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	922.93	18.07
28 21 31 00-0553 EA 20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	1,131.78	18.07
28 21 31 00-0554 EA 30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	2,233.08	18.07
28 21 31 00-0555 Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0556 EA 8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	647.35	18.07
28 21 31 00-0557 EA 10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	767.98	18.07
28 21 31 00-0558 EA 15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	961.40	18.07
28 21 31 00-0559 EA 20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	1,392.96	18.07
28 21 31 00-0560 EA 30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	2,259.20	18.07
28 21 31 00-0561 Camera Power Supplies (28 21 31 00-0002)		
28 21 31 00-0562 EA 20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	49.52	15.41
28 21 31 00-0563 EA 50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	80.72	15.41
28 21 31 00-0564 EA 2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	333.38	30.80
28 21 31 00-0565 EA 5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	389.27	46.21
28 21 31 00-0566 EA 10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	442.65	61.61
For Switchable Outputs, Add	191.66	
28 21 31 00-0567 EA 20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	498.54	77.01
For Switchable Outputs, Add	206.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0568				Camera Illuminators (28 21 31 00-0002)		
28 21 31 00-0569				Camera Illuminators (28 21 31 00-0568) Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA			Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,654.74	30.80
28 21 31 00-0571	EA			Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,654.74	30.80
28 21 31 00-0572	EA			Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,654.74	30.80
28 21 31 00-0573				Camera Illuminator Accessories (28 21 31 00-0568)		
28 21 31 00-0574	EA			Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	150.00	30.80
28 21 31 00-0575				Camera Receivers (28 21 31 00-0002)		
28 21 31 00-0576	EA			24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,638.14	52.59
28 21 31 00-0577	EA			120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,638.14	52.59
28 21 31 00-0578				Pan And Tilt Drives (28 21 31 00-0002)		
28 21 31 00-0579	EA			15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,180.46	115.51
28 21 31 00-0580	EA			40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,484.11	115.51
				<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0581	EA			100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,077.24	115.51
				<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0582	EA			100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,508.79	115.51
				<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0583	EA			100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,051.62	115.51
				<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0584	EA			100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,205.91	115.51
				<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0585				Scanners (28 21 31 00-0002)		
28 21 31 00-0586	EA			35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,339.56	115.51
				<i>For Wall Mount, Add</i>	39.05	
				<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0587	EA			35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,405.08	115.51
				<i>For Wall Mount, Add</i>	39.05	
				<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0588				Camera Monitors (28 21 31 00-0001)		
28 21 31 00-0589				Camera Monitors (28 21 31 00-0588)		
28 21 31 00-0590				Monochrome Camera Monitors (28 21 31 00-0589)		
28 21 31 00-0591	EA			9" Monochrome Camera Monitor (Pelco PMM9A)	261.47	23.10
28 21 31 00-0592	EA			12" Monochrome Camera Monitor (Pelco PMM12A)	297.87	23.10
28 21 31 00-0593	EA			15" Monochrome Camera Monitor (Pelco PMM15A)	451.77	23.10
28 21 31 00-0594	EA			20" Monochrome Camera Monitor (Pelco PMM20A)	721.11	23.10
28 21 31 00-0595				Color Camera Monitors (28 21 31 00-0589)		
28 21 31 00-0596	EA			9", High Resolution Color, Camera Monitor (Pelco PMC9A)	812.62	23.10
28 21 31 00-0597	EA			15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	660.79	23.10
28 21 31 00-0598	EA			17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	956.12	23.10
28 21 31 00-0599	EA			19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,268.09	23.10
28 21 31 00-0600				LCD Camera Monitors (28 21 31 00-0588)		
28 21 31 00-0601				VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 31 00-0600) Note: Displays VGA computer signals.		
28 21 31 00-0602	EA			17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	917.65	23.10
28 21 31 00-0603	EA			19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,192.18	23.10
28 21 31 00-0604				Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA			15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,042.43	23.10
28 21 31 00-0606	EA			17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,246.25	23.10
28 21 31 00-0607	EA			19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,531.19	23.10
28 21 31 00-0608				Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA			15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,335.69	23.10
28 21 31 00-0610	EA			17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,547.83	23.10
28 21 31 00-0611	EA			19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,939.87	23.10

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0612 Camera Monitor Mounting Accessories <small>(28 21 31 00-0588)</small>		
28 21 31 00-0613 Camera Monitor Mounts <small>(28 21 31 00-0612)</small>		
28 21 31 00-0614 EA Up To 14", Camera Monitor Mount (Pelco).....	321.59	30.80
28 21 31 00-0615 EA >14" To 17", Camera Monitor Mount (Pelco).....	372.54	30.80
28 21 31 00-0616 EA >17" To 21", Camera Monitor Mount (Pelco).....	434.93	30.80
28 21 31 00-0617 Camera Monitor Rack Mount Kits <small>(28 21 31 00-0612)</small>		
28 21 31 00-0618 EA Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	199.92	30.80
28 21 31 00-0619 Video Transmission Equipment <small>(28 21 31 00-0001)</small>		
28 21 31 00-0620 UTP Cable, Video Transmission Equipment <small>(28 21 31 00-0619)</small>		
28 21 31 00-0621 UTP Cable, Active Video Receivers <small>(28 21 31 00-0620)</small>		
28 21 31 00-0622 EA Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR).....	404.58	38.51
28 21 31 00-0623 EA Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	1,354.01	38.51
28 21 31 00-0624 EA Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US).....	2,648.68	38.51
28 21 31 00-0625 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US).....	4,340.60	38.51
28 21 31 00-0626 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US).....	5,065.41	38.51
28 21 31 00-0627 UTP Cable, Passive Video Transceivers <small>(28 21 31 00-0620)</small>		
28 21 31 00-0628 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P).....	130.04	38.51
28 21 31 00-0629 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	404.58	38.51
28 21 31 00-0630 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	733.19	38.51
28 21 31 00-0631 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	1,380.00	38.51
28 21 31 00-0632 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	2,684.04	38.51
28 21 31 00-0633 UTP Cable, Active Video Transmitters <small>(28 21 31 00-0620)</small>		
28 21 31 00-0634 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	422.26	38.51
28 21 31 00-0635 Fiber Optics, Video Transmission Equipment <small>(28 21 31 00-0619)</small>		
28 21 31 00-0636 Data Only, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0637 Bidirectional Data, Fiber Optics Transmitters <small>(28 21 31 00-0636)</small>		
28 21 31 00-0638 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	2,387.73	77.01
28 21 31 00-0639 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM).....	996.34	77.01
28 21 31 00-0640 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,754.43	77.01
28 21 31 00-0641 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M).....	1,220.96	77.01
28 21 31 00-0642 Bidirectional Data, Fiber Optics Receivers <small>(28 21 31 00-0636)</small>		
28 21 31 00-0643 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS).....	2,387.73	77.01
28 21 31 00-0644 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM).....	996.34	77.01
28 21 31 00-0645 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S).....	1,754.43	77.01
28 21 31 00-0646 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M).....	1,220.96	77.01
28 21 31 00-0647 Video Only, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0648 Digitally Encoded Video, Fiber Optics Transmitters <small>(28 21 31 00-0647)</small>		
28 21 31 00-0649 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS).....	1,079.53	77.01
28 21 31 00-0650 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM).....	490.95	77.01
28 21 31 00-0651 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S).....	2,929.51	77.01
28 21 31 00-0652 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M).....	1,775.22	77.01
28 21 31 00-0653 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S).....	4,776.38	77.01
28 21 31 00-0654 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M).....	3,977.73	77.01
28 21 31 00-0655 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S).....	11,806.10	77.01
28 21 31 00-0656 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M).....	10,511.42	77.01
28 21 31 00-0657 Digitally Encoded Video, Fiber Optics Receivers <small>(28 21 31 00-0647)</small>		
28 21 31 00-0658 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	1,079.53	77.01
28 21 31 00-0659 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM).....	490.95	77.01
28 21 31 00-0660 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,817.86	77.01
28 21 31 00-0661 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	758.20	77.01
28 21 31 00-0662 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S).....	2,929.51	77.01
28 21 31 00-0663 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M).....	1,775.22	77.01
28 21 31 00-0664 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	4,776.38	77.01
28 21 31 00-0665 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	3,977.73	77.01
28 21 31 00-0666 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S).....	11,806.10	77.01
28 21 31 00-0667 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	10,511.42	77.01



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0668				Video And Data, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0669				Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters <small>(28 21 31 00-0668)</small>		
28 21 31 00-0670	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,835.54	77.01
28 21 31 00-0671	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	1,108.65	77.01
28 21 31 00-0672	EA			Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	4,226.27	77.01
28 21 31 00-0673	EA			Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	3,663.68	77.01
28 21 31 00-0674	EA			Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	6,818.74	77.01
28 21 31 00-0675	EA			Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	4,953.16	77.01
28 21 31 00-0676				Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers <small>(28 21 31 00-0668)</small>		
28 21 31 00-0677	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,835.54	77.01
28 21 31 00-0678	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	1,108.65	77.01
28 21 31 00-0679	EA			Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	4,226.27	77.01
28 21 31 00-0680	EA			Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	3,663.68	77.01
28 21 31 00-0681	EA			Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	6,818.74	77.01
28 21 31 00-0682	EA			Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	4,953.16	77.01
28 21 31 00-0683				Video, Audio And Data, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0684				Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters <small>(28 21 31 00-0683)</small>		
28 21 31 00-0685	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	2,354.45	77.01
28 21 31 00-0686	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,880.25	77.01
28 21 31 00-0687				Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers <small>(28 21 31 00-0683)</small>		
28 21 31 00-0688	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	2,354.45	77.01
28 21 31 00-0689	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,880.25	77.01
28 21 31 00-0690				Video Amplifiers <small>(28 21 31 00-0619)</small>		
28 21 31 00-0691				Video Distribution Amplifiers <small>(28 21 31 00-0690)</small>		
28 21 31 00-0692	EA			1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	295.37	19.25
28 21 31 00-0693	EA			16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	2,337.73	19.25
28 21 31 00-0694				Video Equalizing Amplifiers <small>(28 21 31 00-0690)</small>		
28 21 31 00-0695	EA			Video Equalizing Amplifier (Pelco EA2010).....	320.32	19.25
28 21 31 00-0696	EA			Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	498.15	19.25
28 21 31 00-0697				Network Video Equipment <small>(28 21 31 00-0001)</small>		
28 21 31 00-0698				Video Encoders/Decoders <small>(28 21 31 00-0697)</small>		
28 21 31 00-0699	EA			MPEG4 IP Video Receiver (Pelco NET300R).....	1,189.76	38.51
28 21 31 00-0700	EA			MPEG4 IP Video Transmitter (Pelco NET300T).....	1,189.76	38.51
28 21 31 00-0701	EA			MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	1,364.46	38.51
28 21 31 00-0702	EA			MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	1,364.46	38.51
28 21 31 00-0703				Network Video Recorders <small>(28 21 31 00-0697)</small>		
28 21 31 00-0704	EA			16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	7,356.37	77.01
28 21 31 00-0705	EA			32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	8,555.37	77.01
28 21 31 00-0706	EA			64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	10,955.46	77.01
28 21 31 00-0707	EA			64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	7,265.90	77.01

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0708 Network Video Recorder Software (28 21 31 00-0697)		
28 21 31 00-0709 EA 10 User, License Pack (Pelco VMX300-LIC-10)	723.77	
28 21 31 00-0710 EA 20 User, License Pack (Pelco VMX300-LIC-20)	1,305.07	
28 21 31 00-0711 EA 50 User, License Pack (Pelco VMX300-LIC-50)	2,898.20	
28 21 31 00-0712 EA 100 User, License Pack (Pelco VMX300-LIC-100)	5,069.51	
28 21 31 00-0713 EA 10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,208.36	
28 21 31 00-0714 EA 20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,173.39	
28 21 31 00-0715 EA 50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	4,830.34	
28 21 31 00-0716 EA 100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	8,451.27	
28 21 31 00-0717 EA 200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	14,486.85	
28 21 31 00-0718 EA 500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	30,179.98	
28 21 31 00-0719 EA 0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	6,551.01	
28 21 31 00-0720 EA 1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	6,953.46	
28 21 31 00-0721 EA 4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	10,978.91	
28 21 31 00-0722 EA 0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,275.83	
28 21 31 00-0723 EA 1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	7,678.27	
28 21 31 00-0724 EA 4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	11,701.64	
28 21 31 00-0725 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,034.57	
28 21 31 00-0726 EA 1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	7,438.05	
28 21 31 00-0727 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	11,462.46	
28 21 31 00-0728 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	8,240.85	
28 21 31 00-0729 EA 1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	8,643.29	
28 21 31 00-0730 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	12,668.75	
28 21 31 00-0731 Video Recording Equipment (28 21 31 00-0001)		
28 21 31 00-0732 Digital Video Recorders (28 21 31 00-0731)		
28 21 31 00-0733 EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	11,500.37	77.01
28 21 31 00-0734 EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	15,757.72	77.01
28 21 31 00-0735 EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	20,016.11	77.01
28 21 31 00-0736 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	13,839.10	77.01
28 21 31 00-0737 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	18,096.45	77.01
28 21 31 00-0738 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	22,354.85	77.01
28 21 31 00-0739 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	15,125.46	77.01
28 21 31 00-0740 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	19,382.81	77.01
28 21 31 00-0741 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	23,641.20	77.01
28 21 31 00-0742 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	17,464.20	77.01
28 21 31 00-0743 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	21,721.55	77.01
28 21 31 00-0744 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	25,979.94	77.01
28 21 31 00-0745 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	12,691.37	77.01
28 21 31 00-0746 Digital Video Recorder Accessories (28 21 31 00-0731)		
28 21 31 00-0747 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,152.32	38.51
28 21 31 00-0748 Matrix Systems And Controls (28 21 31 00-0001)		
28 21 31 00-0749 Video Multiplexers (28 21 31 00-0748)		
28 21 31 00-0750 Monochrome Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0751 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,144.39	77.01
28 21 31 00-0752 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,028.96	77.01
28 21 31 00-0753 Color Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0754 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,461.17	77.01
28 21 31 00-0755 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,751.69	77.01
28 21 31 00-0756 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,979.43	77.01
28 21 31 00-0757 Color Simplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0758 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,319.09	77.01
28 21 31 00-0759 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,701.78	77.01
28 21 31 00-0760 Video Multiplexer Accessories (28 21 31 00-0749)		
28 21 31 00-0761 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,308.49	52.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0762 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	790.62	52.59
28 21 31 00-0763 EA Video Multiplexer Server (Pelco MX4000SVR)	2,144.39	77.01
28 21 31 00-0764 Quad Video Processor <small>(28 21 31 00-0748)</small>		
28 21 31 00-0765 EA Monochrome, Quad Video Processor (Pelco QD104M)	670.79	38.51
28 21 31 00-0766 EA Color, Quad Video Processor (Pelco QD104C)	1,086.75	38.51
28 21 31 00-0767 Switcher <small>(28 21 31 00-0748)</small>		
28 21 31 00-0768 Terminating Manual Switchers <small>(28 21 31 00-0767)</small>		
28 21 31 00-0769 Terminating Manual Switchers <small>(28 21 31 00-0768)</small>		
28 21 31 00-0770 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	241.51	30.80
28 21 31 00-0771 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	322.62	30.80
28 21 31 00-0772 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	389.18	30.80
28 21 31 00-0773 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	627.32	30.80
28 21 31 00-0774 Audio Follow, Terminating Manual Switchers <small>(28 21 31 00-0768)</small>		
28 21 31 00-0775 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	308.07	30.80
28 21 31 00-0776 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	531.64	30.80
28 21 31 00-0777 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	917.45	30.80
28 21 31 00-0778 Balanced Audio Follow, Terminating Manual Switchers <small>(28 21 31 00-0768)</small>		
28 21 31 00-0779 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	406.86	30.80
28 21 31 00-0780 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	733.39	30.80
28 21 31 00-0781 Looping Manual Switchers <small>(28 21 31 00-0767)</small>		
28 21 31 00-0782 Looping Manual Switchers <small>(28 21 31 00-0781)</small>		
28 21 31 00-0783 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	268.55	30.80
28 21 31 00-0784 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	363.18	30.80
28 21 31 00-0785 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	458.85	30.80
28 21 31 00-0786 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	746.90	30.80
28 21 31 00-0787 Audio Follow, Looping Manual Switchers <small>(28 21 31 00-0781)</small>		
28 21 31 00-0788 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	330.94	30.80
28 21 31 00-0789 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	567.00	30.80
28 21 31 00-0790 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	772.90	30.80
28 21 31 00-0791 Balanced Audio Follow, Looping Manual Switchers <small>(28 21 31 00-0781)</small>		
28 21 31 00-0792 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	434.93	30.80
28 21 31 00-0793 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	776.02	30.80
28 21 31 00-0794 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	972.56	30.80
28 21 31 00-0795 Sequential Switchers <small>(28 21 31 00-0767)</small>		
28 21 31 00-0796 Single Output, Sequential Switchers <small>(28 21 31 00-0795)</small>		
28 21 31 00-0797 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	459.89	30.80
28 21 31 00-0798 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	678.27	30.80
28 21 31 00-0799 Dual Outputs, Sequential Switchers <small>(28 21 31 00-0795)</small>		
28 21 31 00-0800 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	571.16	30.80
28 21 31 00-0801 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	785.38	30.80
28 21 31 00-0802 Controls <small>(28 21 31 00-0748)</small>		
28 21 31 00-0803 Direct/Multi-Cable Controls <small>(28 21 31 00-0802)</small>		
28 21 31 00-0804 EA Scanner Control Module (Pelco MPS524DT)	420.23	77.01
28 21 31 00-0805 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	446.23	77.01
28 21 31 00-0806 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	490.95	77.01
28 21 31 00-0807 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT)	511.75	77.01
28 21 31 00-0808 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	786.28	77.01
28 21 31 00-0809 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	862.19	77.01
28 21 31 00-0810 Coaxitron Controls <small>(28 21 31 00-0802)</small>		
28 21 31 00-0811 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	597.20	52.59
28 21 31 00-0812 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,087.00	52.59

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0813 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	1,227.38	52.59
28 21 31 00-0814 Digital Controls (28 21 31 00-0802)		
28 21 31 00-0815 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	785.42	52.59
28 21 31 00-0816 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	1,298.10	52.59
28 21 31 00-0817 Lock Boxes (28 21 31 00-0748)		
28 21 31 00-0818 EA VCR Lock Box (Pelco LB1000).....	478.44	57.76
For Wall Mount, Add	165.00	
28 21 31 00-0819 EA Computer Disk Drive Lock Box (Pelco LB2000)	488.83	57.76
28 21 31 00-0820 EA VCR And Multiplexer Lock Box (Pelco LB3000)	873.60	57.76
Note: Includes storage for 32 VCR tapes.		
28 21 31 00-0821 Test And Certification Of Surveillance Camera System (28 21 31)		
28 21 31 00-0822 DAY Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	1,224.43	
28 21 31 00-0823 HR Test And Certification Of Surveillance Camera System.....	382.63	
28 21 31 00-0824 Programming Of Surveillance Camera System (28 21 31)		
28 21 31 00-0825 HR Programming Of Surveillance Camera System	459.16	
28 21 31 00-0826 Removal And Reinstallation Of Cameras (28 21 31)		
Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827 EA Removal And Reinstallation Of Camera System	693.09	

28 40 Life Safety (28)

Note: Includes testing of new devices and certification.

28 42 Gas Detection and Alarm (28 40)**28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems** (28 42)**28 42 11 00-0001 Monitoring System For Underground Tanks** (28 42 11)**28 42 11 00-0002 Continuous Leak Detection System** (28 42 11 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003 EA Single Channel Underground Tank Monitoring System	16,216.54	630.67
28 42 11 00-0004 EA 2 Channel Underground Tank Monitoring System	21,891.25	841.41
28 42 11 00-0005 EA 3 Channel Underground Tank Monitoring System	31,299.75	901.39
28 42 11 00-0006 EA 4 Channel Underground Tank Monitoring System	33,240.64	1,261.34
28 42 11 00-0007 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	24,235.94	107.68
28 42 11 00-0008 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	21,856.98	96.14
28 42 11 00-0009 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	28,762.40	107.68
28 42 11 00-0010 EA Tank Leak Detection Probe	8,914.88	23.07
28 42 11 00-0011 EA Secondary Containment Collar Probe.....	1,081.02	9.23
28 42 11 00-0012 EA Interstitial Leak Detection Probe	1,978.83	19.22
28 42 11 00-0013 EA Liquid Phase Detection	6,536.95	57.68
28 42 11 00-0014 EA Hydrocarbon Vapor, Fixed.....	6,028.88	57.68
28 42 11 00-0015 EA Hydrocarbon Vapor, Float Mounted.....	7,052.31	65.37
28 42 11 00-0016 EA Liquid And Vapor Hydrocarbon	8,068.46	65.37

28 42 15 Gas Detection Sensors (28 42)**28 42 15 00-0001 Hydrogen Gas Detection** (28 42 15)

28 42 15 00-0002 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,024.99	57.76
28 42 15 00-0003 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB).....	113.18	19.25
28 42 15 00-0004 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM).....	531.54	57.76

28 43 Fuel Oil Detection and Alarm (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm (28 40)**28 46 13 Fire-Alarm Systems** (28 46)**28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems** (28 46 13)

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001 Edwards Fire Alarm (28 46 13 31)		
28 46 13 31-0002 EST3 Life Safety And Security Control (28 46 13 31-0001)		
28 46 13 31-0003 EST3 Network (28 46 13 31-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0004 Remote Annunciators <small>(28 46 13 31-0003)</small>		
28 46 13 31-0005 EA Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	1,662.73	115.51
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0006 EA Six Position Base Annunciator (EST3 3-6ANN).....	1,363.23	115.51
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0007 EA Ten Position Base Annunciator (EST3 3-10ANN).....	1,712.47	115.51
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0008 EA Annunciator CPU (EST3 3-ANNCPU3)	1,107.58	115.51
Note: One Required per graphic annunciator.		
28 46 13 31-0009 EA Annunciator Support Module (EST3 3-ANNSM).....	210.40	38.51
Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 13 31-0010 EA Liquid Crystal Display Module (EST3 3-LCD).....	727.90	115.51
Note: Mounts over 3-CPU(1).		
28 46 13 31-0011 EA Liquid Crystal Display Module (EST3 3-LCDXL).....	735.57	115.51
Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 13 31-0012 EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	815.44	115.51
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 13 31-0013 EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	928.33	77.01
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 13 31-0014 EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	150.94	38.51
Note: Mounts up to three 3-EVDVRA modules.		
28 46 13 31-0015 EA Central Processor Unit Module (EST3 3-CPU3).....	1,960.96	115.51
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0016 EA 120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3)	1,706.23	38.51
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0017 Remote Annunciators Cabinets <small>(28 46 13 31-0003)</small>		
28 46 13 31-0018 EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	161.57	38.51
28 46 13 31-0019 EA Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	146.17	30.80
28 46 13 31-0020 EA Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	180.34	38.51
28 46 13 31-0021 EA Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	164.94	30.80
28 46 13 31-0022 EA Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	197.94	38.51
28 46 13 31-0023 EA Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	182.54	30.80
28 46 13 31-0024 Audio And Telephone Masters <small>(28 46 13 31-0003)</small>		
28 46 13 31-0025 EA Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	5,333.54	154.02
28 46 13 31-0026 EA Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	2,996.17	154.02
28 46 13 31-0027 EA Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,963.52	154.02
28 46 13 31-0028 EA Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	2,835.46	154.02
28 46 13 31-0029 EA Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	3,229.83	154.02
28 46 13 31-0030 EA Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,895.79	77.01
28 46 13 31-0031 Battery Distribution Unit <small>(28 46 13 31-0003)</small>		
28 46 13 31-0032 EA Battery Distribution Unit (EST3 3-BTSEN).....	641.14	487.12
28 46 13 31-0033 Remote Booster Power Supply <small>(28 46 13 31-0003)</small>		
28 46 13 31-0034 EA 6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	961.56	115.51
28 46 13 31-0035 EA 10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	1,091.54	115.51
28 46 13 31-0036 EA 10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	1,187.32	115.51
28 46 13 31-0037 EA Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	164.72	38.51
28 46 13 31-0038 Batteries And Battery Cabinets <small>(28 46 13 31-0003)</small>		
28 46 13 31-0039 EA 1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	129.03	38.51
28 46 13 31-0040 EA 4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	157.26	38.51
28 46 13 31-0041 EA 24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	352.08	38.51
28 46 13 31-0042 EA 6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	168.57	38.51
28 46 13 31-0043 EA 40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	442.52	38.51
28 46 13 31-0044 EA 10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours))	255.30	38.51
28 46 13 31-0045 EA 50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	883.15	38.51
28 46 13 31-0046 EA 17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	261.13	38.51
28 46 13 31-0047 EA 65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	1,060.32	38.51
28 46 13 31-0048 EA 8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	151.76	38.51
28 46 13 31-0049 EA 10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	137.65	38.51
28 46 13 31-0050 EA 14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1).....	469.05	77.01
Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 13 31-0051 EA 22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2)	393.00	77.01
Note: Holds up to two 12V17A batteries.		
28 46 13 31-0052 EA Remote Closet Enclosure (EST3 3-RCC7R)	1,301.56	154.02
28 46 13 31-0053 EA Remote Closet Enclosure (EST3 3-RCC14R)	1,600.97	154.02
28 46 13 31-0054 EA Remote Closet Enclosure (EST3 3-RCC21R)	2,221.85	154.02

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0055 Serial Printer <small>(28 46 13 31-0003)</small>		
28 46 13 31-0056 EA System Printer - Desk Top Style (EST3 PT-1S)	989.99	38.51
28 46 13 31-0057 Intelligent Analog Initiating Devices <small>(28 46 13 31-0002)</small>		
28 46 13 31-0058 Detectors, Signature <small>(28 46 13 31-0057)</small>		
28 46 13 31-0059 EA Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	285.83	57.76
28 46 13 31-0060 EA Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	318.70	57.76
28 46 13 31-0061 EA Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	276.03	57.76
28 46 13 31-0062 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	246.66	57.76
28 46 13 31-0063 EA Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	256.45	57.76
28 46 13 31-0064 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	213.90	57.76
28 46 13 31-0065 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	213.90	57.76
28 46 13 31-0066 EA Passive Infrared Motion Detector (EST3 SIGA-MD).....	327.44	57.76
28 46 13 31-0067 EA Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	359.52	57.76
28 46 13 31-0068 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	306.43	57.76
28 46 13 31-0069 EA Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	433.77	57.76
28 46 13 31-0070 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	258.90	57.76
28 46 13 31-0071 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	258.90	57.76
28 46 13 31-0072 EA Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS).....	349.22	57.76
28 46 13 31-0073 Detectors, Duct Housings and Accessories, Signature <small>(28 46 13 31-0057)</small>		
28 46 13 31-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	570.92	96.26
28 46 13 31-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG).....	27.37	
28 46 13 31-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120).....	78.80	23.10
28 46 13 31-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	151.14	30.80
28 46 13 31-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	200.85	30.80
28 46 13 31-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	94.42	30.80
28 46 13 31-0080 Modules, Signature <small>(28 46 13 31-0057)</small>		
28 46 13 31-0081 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	263.67	38.51
28 46 13 31-0082 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	132.58	38.51
28 46 13 31-0083 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	171.34	38.51
28 46 13 31-0084 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	237.46	38.51
28 46 13 31-0085 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	185.96	38.51
28 46 13 31-0086 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	194.01	38.51
28 46 13 31-0087 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)..... Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	153.06	38.51
28 46 13 31-0088 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	208.16	38.51
28 46 13 31-0089 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	273.63	38.51
28 46 13 31-0090 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	267.05	38.51
28 46 13 31-0091 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	257.26	38.51
28 46 13 31-0092 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	236.95	198.45
28 46 13 31-0093 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)..... Note: Factory programmed for non-latching monitor operation.	176.94	38.51
28 46 13 31-0094 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	274.70	38.51
28 46 13 31-0095 Module Accessories, Signature <small>(28 46 13 31-0057)</small>		
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	71.41	19.25
28 46 13 31-0097 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	234.29	38.51
28 46 13 31-0098 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	28.00	11.56
28 46 13 31-0099 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	82.74	19.25
28 46 13 31-0100 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	74.60	19.25
28 46 13 31-0101 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	77.82	19.25
28 46 13 31-0102 Single Action Pull Stations, Signature <small>(28 46 13 31-0057)</small>		
28 46 13 31-0103 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	301.51	80.09
28 46 13 31-0104 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	350.64	80.09
28 46 13 31-0105 EA GA Key - For Pre Signal Station (EST3 276-K2)	40.36	32.65
28 46 13 31-0106 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	49.82	42.11
28 46 13 31-0107 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	82.83	52.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0108 Double Action Pull Stations, Signature <small>(28 46 13 31-0057)</small>		
28 46 13 31-0109 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	241.04	80.09
28 46 13 31-0110 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	50.52	7.70
28 46 13 31-0111 Detector Bases and Accessories, Signature <small>(28 46 13 31-0057)</small>		
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112 EA Audible (Sounder) Base (EST3 SIGA-AB4G)	144.08	19.25
28 46 13 31-0113 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	58.26	19.25
28 46 13 31-0114 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	178.17	19.25
28 46 13 31-0115 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	104.14	19.25
28 46 13 31-0116 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DG-SB)	120.51	19.25
28 46 13 31-0117 EA Detector Mounting Plate (EST3 SIGA-DMP)	186.00	19.25
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 13 31-0118 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	71.41	19.25
28 46 13 31-0119 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	28.14	11.56
28 46 13 31-0120 EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	28.14	11.56
28 46 13 31-0121 EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	72.36	11.56
28 46 13 31-0122 EA Detector Base With Isolator (EST3 SIGA-IB)	118.85	19.25
28 46 13 31-0123 EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	125.87	19.25
28 46 13 31-0124 EA Detector Base With Form 'C' Relay (EST3 SIGA-RB)	76.53	19.25
28 46 13 31-0125 EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	106.61	19.25
28 46 13 31-0126 EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	50.94	19.25
28 46 13 31-0127 Controllers, Signature <small>(28 46 13 31-0057)</small>		
28 46 13 31-0128 EA Signature Dual Driver Controller (EST3 3-SDDC1)	3,826.82	115.51
28 46 13 31-0129 EA Single Signature Loop Controller (EST3 3-SDDC1)	2,212.58	115.51
28 46 13 31-0130 EA Signature Loop Controller (EST3 3-SDC1)	1,992.24	115.51
28 46 13 31-0131 EA Analog Addressable Loop Controller (EST3 3-AADC1)	3,166.39	115.51
28 46 13 31-0132 Relays And Accessories <small>(28 46 13 31-0057)</small>		
28 46 13 31-0133 EA Multi Voltage Relay (EST3 MR101)	215.61	38.51
28 46 13 31-0134 EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	67.23	19.25
28 46 13 31-0135 Notification Appliances <small>(28 46 13 31-0002)</small>		
28 46 13 31-0136 Wall Strobes, Horns And Chimes <small>(28 46 13 31-0135)</small>		
28 46 13 31-0137 EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	185.52	57.76
28 46 13 31-0138 EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1RF-VM)	185.52	57.76
28 46 13 31-0139 EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	208.33	57.76
28 46 13 31-0140 EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	159.83	57.76
28 46 13 31-0141 EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1RF-HD)	159.83	57.76
28 46 13 31-0142 EA Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	159.83	57.76
28 46 13 31-0143 EA Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	159.83	57.76
28 46 13 31-0144 EA Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	138.24	57.76
28 46 13 31-0145 EA Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1RF-P)	138.24	57.76
28 46 13 31-0146 EA Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	138.24	57.76
28 46 13 31-0147 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	301.40	57.76
28 46 13 31-0148 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1RF-CVM)	301.40	57.76
28 46 13 31-0149 EA Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	205.55	57.76
28 46 13 31-0150 EA Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1RF-C)	205.55	57.76
28 46 13 31-0151 EA Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	185.52	57.76
28 46 13 31-0152 EA Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	185.52	57.76
28 46 13 31-0153 EA Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	185.52	57.76
28 46 13 31-0154 EA Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	185.52	57.76
28 46 13 31-0155 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	191.94	57.76
28 46 13 31-0156 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	191.94	57.76
28 46 13 31-0157 EA Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VMH)	206.93	57.76
28 46 13 31-0158 EA Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	191.94	57.76
28 46 13 31-0159 EA Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	191.94	57.76
28 46 13 31-0160 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	124.21	57.76
28 46 13 31-0161 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	124.21	57.76
28 46 13 31-0162 Wall Speakers And Speaker Strobes <small>(28 46 13 31-0135)</small>		
28 46 13 31-0163 EA Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	157.90	57.76
28 46 13 31-0164 EA Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	230.22	57.76
28 46 13 31-0165 EA Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	157.90	57.76
28 46 13 31-0166 EA Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	230.22	57.76
28 46 13 31-0167 EA Surface Box, White, For Genesis Speaker (EST3 G4B)	79.24	30.80
28 46 13 31-0168 EA Surface Box, Red, For Genesis Speaker (EST3 G4RB)	79.24	30.80

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0169 Ceiling Speakers And Speaker Strobes <small>(28 46 13 31-0135)</small>		
28 46 13 31-0170 EA Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	184.13	57.76
28 46 13 31-0171 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	230.22	57.76
28 46 13 31-0172 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	244.81	57.76
28 46 13 31-0173 Harsh Environment Signals <small>(28 46 13 31-0135)</small>		
28 46 13 31-0174 EA Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	166.17	57.76
28 46 13 31-0175 EA 15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	223.74	57.76
28 46 13 31-0176 EA 110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	223.74	57.76
28 46 13 31-0177 EA 15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T).....	206.63	57.76
28 46 13 31-0178 EA 15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T).....	195.25	57.76
28 46 13 31-0179 EA 30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T).....	206.63	57.76
28 46 13 31-0180 EA 60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T).....	206.63	57.76
28 46 13 31-0181 EA 110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T).....	206.63	57.76
28 46 13 31-0182 EA 15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	229.10	65.46
28 46 13 31-0183 EA 110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	229.10	65.46
28 46 13 31-0184 EA 15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	173.11	57.76
28 46 13 31-0185 EA 30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	218.27	57.76
28 46 13 31-0186 Fire Alarm Bells <small>(28 46 13 31-0135)</small>		
28 46 13 31-0187 EA 10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	239.71	57.76
28 46 13 31-0188 EA 6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	196.72	57.76
28 46 13 31-0189 EA 10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	215.07	57.76
28 46 13 31-0190 Multiple Tone Signal <small>(28 46 13 31-0135)</small>		
28 46 13 31-0191 EA 27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	1,405.53	1,347.78
28 46 13 31-0192 Multi-Purpose Loudspeaker <small>(28 46 13 31-0135)</small>		
28 46 13 31-0193 EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	308.28	57.76
28 46 13 31-0194 EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	308.28	57.76
28 46 13 31-0195 Bell/Strobe Plate <small>(28 46 13 31-0135)</small>		
28 46 13 31-0196 EA Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	156.62	30.80
28 46 13 31-0197 Mounting Accessories <small>(28 46 13 31-0135)</small>		
28 46 13 31-0198 EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	80.57	30.80
28 46 13 31-0199 EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	80.57	30.80
28 46 13 31-0200 EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	80.57	30.80
28 46 13 31-0201 EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	80.57	30.80
28 46 13 31-0202 EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	80.57	30.80
28 46 13 31-0203 Firefighters' Telephones <small>(28 46 13 31-0135)</small>		
28 46 13 31-0204 EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,277.62	96.26
28 46 13 31-0205 EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	735.08	96.26
28 46 13 31-0206 EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	539.70	96.26
28 46 13 31-0207 EA Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	403.50	96.26
28 46 13 31-0208 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	710.77	96.26
28 46 13 31-0209 EA Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	452.11	96.26
28 46 13 31-0210 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	796.87	96.26
28 46 13 31-0211 EA Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	468.31	96.26
28 46 13 31-0212 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	907.12	96.26
28 46 13 31-0213 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	107.07	30.80
28 46 13 31-0214 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	121.18	30.80
28 46 13 31-0215 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	155.72	
28 46 13 31-0216 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	155.72	
28 46 13 31-0217 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	246.28	38.51
28 46 13 31-0218 EA Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2).....	302.42	38.51
28 46 13 31-0219 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	218.21	38.51
28 46 13 31-0220 EA Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4).....	209.95	38.51
28 46 13 31-0221 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	166.80	57.76
28 46 13 31-0222 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,310.00	77.01
28 46 13 31-0223 Mass Notification EC Appliances <small>(28 46 13 31-0135)</small>		
28 46 13 31-0224 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	191.98	57.76
28 46 13 31-0225 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	186.15	57.76
28 46 13 31-0226 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	191.98	57.76
28 46 13 31-0227 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	186.15	57.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0228	EA			G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	30.07	11.56
28 46 13 31-0229				Hazardous Location Devices (28 46 13 31-0002)		
28 46 13 31-0230				Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0229)		
28 46 13 31-0231	EA			Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	174.09	57.76
28 46 13 31-0232	EA			Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	174.09	57.76
28 46 13 31-0233	EA			Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	180.40	57.76
28 46 13 31-0234	EA			Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	180.40	57.76
28 46 13 31-0235	EA			Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	238.75	57.76
28 46 13 31-0236	EA			Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	238.75	57.76
28 46 13 31-0237	EA			Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	180.40	57.76
28 46 13 31-0238	EA			Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	180.40	57.76
28 46 13 31-0239				Hazardous Locations Fire Alarm Station (28 46 13 31-0229)		
28 46 13 31-0240	EA			Hazardous Location Fire Alarm Station (EST3 XAL53).....	1,351.18	96.26
28 46 13 31-0241	EA			Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,288.23	96.26
28 46 13 31-0242				Hazardous Location Strobes (28 46 13 31-0229)		
28 46 13 31-0243	EA			Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,973.13	57.76
28 46 13 31-0244	EA			Wall Bracket Mounting Elbow (EST3 116EX-B).....	371.75	19.25
28 46 13 31-0245	EA			Ceiling / Wall Mounting Module (EST3 116EX-C).....	485.49	23.10
28 46 13 31-0246	EA			Pendant Mounting Module (EST3 116EX-P)	358.79	23.10
28 46 13 31-0247				Hazardous Location Bells (28 46 13 31-0229)		
28 46 13 31-0248	EA			6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,430.48	57.76
28 46 13 31-0249	EA			8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,466.92	57.76
28 46 13 31-0250	EA			10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,480.04	57.76
28 46 13 31-0251				Hazardous Location Horns (28 46 13 31-0229)		
28 46 13 31-0252	EA			Hazardous Location Horns (EST3 888D-N5).....	1,399.07	57.76
28 46 13 31-0253	EA			Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	1,146.90	57.76
28 46 13 31-0254				Door Holders And Relays (28 46 13 31-0002)		
28 46 13 31-0255				Electromagnetic Door Holders (28 46 13 31-0254)		
28 46 13 31-0256	EA			24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5).....	269.74	57.76
28 46 13 31-0257	EA			24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	342.88	57.76
28 46 13 31-0258	EA			24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	232.39	57.76
28 46 13 31-0259	EA			24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	232.39	57.76
28 46 13 31-0260	EA			24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5).....	235.77	57.76
28 46 13 31-0261	EA			24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	238.99	57.76
28 46 13 31-0262				Control Relays, Multi-Voltage (28 46 13 31-0254)		
28 46 13 31-0263	EA			Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	54.48	11.56
28 46 13 31-0264				FireShield Plus (28 46 13 31-0002)		
28 46 13 31-0265				3 Zone System (28 46 13 31-0264)		
28 46 13 31-0266	EA			Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,521.57	462.06
28 46 13 31-0267	EA			Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	2,193.90	616.08
28 46 13 31-0268	EA			Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,521.57	462.06
28 46 13 31-0269	EA			Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	2,193.90	616.08
28 46 13 31-0270	EA			Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	101.53	19.25
28 46 13 31-0271	EA			Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	101.53	19.25
28 46 13 31-0272				5 Zone System (28 46 13 31-0264)		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0273 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,623.57	462.06
28 46 13 31-0274 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,290.08	616.08
28 46 13 31-0275 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,623.57	462.06
28 46 13 31-0276 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,290.08	616.08
28 46 13 31-0277 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	101.53	19.25
28 46 13 31-0278 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	101.53	19.25
28 46 13 31-0279 10 Zone System (28 46 13 31-0264)		
28 46 13 31-0280 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,325.05	616.08
28 46 13 31-0281 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,997.39	770.10
28 46 13 31-0282 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,281.34	616.08
28 46 13 31-0283 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,997.39	770.10
28 46 13 31-0284 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	117.31	19.25
28 46 13 31-0285 EA NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	215.78	38.51
28 46 13 31-0286 FireShield Plus Off Premise Communication Options (28 46 13 31-0264)		
28 46 13 31-0287 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	455.88	38.51
28 46 13 31-0288 FireShield Plus Remote LED Annunciators (28 46 13 31-0264)		
28 46 13 31-0289 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	210.08	57.76
28 46 13 31-0290 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	210.08	57.76
28 46 13 31-0291 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	217.51	57.76
28 46 13 31-0292 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	42.06	11.56
28 46 13 31-0293 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	51.57	11.56
28 46 13 31-0294 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	74.42	11.56
28 46 13 31-0295 FireShield Plus Remote 10 Zone LED Annunciators (28 46 13 31-0264)		
28 46 13 31-0296 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	610.95	57.76
28 46 13 31-0297 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	669.24	57.76
28 46 13 31-0298 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	222.73	38.51
28 46 13 31-0299 FireShield Plus Remote Relays And Interfaces (28 46 13 31-0264)		
28 46 13 31-0300 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	234.62	38.51
28 46 13 31-0301 EA 11" Snap Track Holds 2-4 RRRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S1)	99.90	23.10
28 46 13 31-0302 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	365.53	38.51
28 46 13 31-0303 FireShield Plus Accessories (28 46 13 31-0264)		
28 46 13 31-0304 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	22.70	
28 46 13 31-0305 EA 4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7)	14.73	
28 46 13 31-0306 iO Series Fire Control Panels (28 46 13 31-0002)		
28 46 13 31-0307 Intelligent Analog Control Panels (28 46 13 31-0306)		
28 46 13 31-0308 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 IO500G)	4,619.18	770.10
28 46 13 31-0309 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 IO500GD)	4,901.87	770.10
28 46 13 31-0310 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 IO64G)	3,688.36	616.08
28 46 13 31-0311 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 IO64GD)	3,819.50	616.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0312 Option Modules And Accessories For iO Series <small>(28 46 13 31-0306)</small>		
28 46 13 31-0313 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	406.95	57.76
28 46 13 31-0314 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	261.23	57.76
28 46 13 31-0315 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	261.23	57.76
28 46 13 31-0316 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	222.73	38.51
28 46 13 31-0317 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	440.48	30.80
28 46 13 31-0318 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	790.20	30.80
28 46 13 31-0319 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	99.71	19.25
28 46 13 31-0320 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	114.28	19.25
28 46 13 31-0321 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	1,465.49	77.01
28 46 13 31-0322 Remote Annunciators For iO Series <small>(28 46 13 31-0306)</small>		
28 46 13 31-0323 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	807.66	57.76
28 46 13 31-0324 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	844.10	57.76
28 46 13 31-0325 Remote Annunciator Accessories <small>(28 46 13 31-0306)</small>		
28 46 13 31-0326 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	96.80	19.25
28 46 13 31-0327 EA 12 Expander Cable (Cable Only) (EST3 7120313-01).....	67.65	19.25
28 46 13 31-0328 EA 24 Expander Cable (Cable Only) (EST3 7120313-02).....	89.50	19.25
28 46 13 31-0329 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	261.23	57.76
28 46 13 31-0330 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	297.65	57.76
28 46 13 31-0331 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	334.09	57.76
28 46 13 31-0332 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	67.65	19.25
28 46 13 31-0333 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	67.65	19.25
28 46 13 31-0334 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	131.33	19.25
28 46 13 31-0335 System Accessories <small>(28 46 13 31-0306)</small>		
28 46 13 31-0336 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	469.05	77.01
28 46 13 31-0337 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	2,226.54	616.08
28 46 13 31-0338 Conventional Initiating Devices <small>(28 46 13 31-0002)</small>		
28 46 13 31-0339 Detectors, Heat, Double Pole <small>(28 46 13 31-0338)</small>		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	194.03	57.76
28 46 13 31-0341 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	194.03	57.76
28 46 13 31-0342 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	194.03	57.76
28 46 13 31-0343 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	194.03	57.76
28 46 13 31-0344 Detectors, Rate Compensation Heat, Accessories <small>(28 46 13 31-0338)</small>		
28 46 13 31-0345 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	128.55	57.76
28 46 13 31-0346 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	299.82	30.80
28 46 13 31-0347 EA 4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	105.41	38.51
28 46 13 31-0348 Detectors, Heat, Fire-Lite <small>(28 46 13 31-0338)</small>		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	182.82	57.76
28 46 13 31-0350 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	182.82	57.76
28 46 13 31-0351 Audio Notification Systems (Standalone Voice Evacuation) <small>(28 46 13 31-0002)</small>		
28 46 13 31-0352 Audio Notification Panels <small>(28 46 13 31-0351)</small>		
28 46 13 31-0353 EA Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	5,868.05	770.10
28 46 13 31-0354 EA Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	5,868.05	770.10
28 46 13 31-0355 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	4,454.58	770.10

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0356	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,454.58	770.10
28 46 13 31-0357	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	5,154.02	770.10
28 46 13 31-0358	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	5,154.02	770.10
28 46 13 31-0359		Audio Notification Expander Panels <small>(28 46 13 31-0351)</small>		
28 46 13 31-0360	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,571.15	770.10
28 46 13 31-0361	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,571.15	770.10
28 46 13 31-0362	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	3,201.39	770.10
28 46 13 31-0363	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	3,201.39	770.10
28 46 13 31-0364	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	4,002.85	770.10
28 46 13 31-0365	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	4,002.85	770.10
28 46 13 31-0366		Audio Notification Output Accessories <small>(28 46 13 31-0351)</small>		
28 46 13 31-0367	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	169.66	19.25
28 46 13 31-0368	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	732.74	38.51
28 46 13 31-0369	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	732.74	38.51
28 46 13 31-0370	EA	Class A Converter (GE ANZSC4A)	528.74	38.51
28 46 13 31-0371		Audio Notification Remote Microphone <small>(28 46 13 31-0351)</small>		
28 46 13 31-0372	EA	Microphone (GE ANSMIKE)	208.16	38.51
28 46 13 31-0373	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	805.60	38.51
28 46 13 31-0374	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	805.60	38.51
28 46 13 31-0375	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	184.23	19.25
28 46 13 31-0376	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	104.07	19.25
28 46 13 31-0377		Audio Notification Accessories <small>(28 46 13 31-0351)</small>		
28 46 13 31-0378	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	339.30	38.51
28 46 13 31-0379	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	339.30	38.51
28 46 13 31-0380	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	339.30	38.51
28 46 13 31-0381	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRIS8)	732.74	38.51
28 46 13 31-0382		Audio Notification Modules, Without Cabinet And Transformer <small>(28 46 13 31-0351)</small>		
28 46 13 31-0383	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	2,645.81	77.01
		Note: Excludes cabinet.		
28 46 13 31-0384	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)	2,776.96	77.01
		Note: Excludes cabinet.		
28 46 13 31-0385	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	3,826.13	77.01
		Note: Excludes cabinet.		
28 46 13 31-0386	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	1,465.49	77.01
		Note: Excludes cabinet.		
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	1,465.49	77.01
		Note: Excludes cabinet.		
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,645.81	77.01
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A)	2,121.22	77.01
		Note: Excludes cabinet.		
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM)	2,252.37	77.01
		Note: Excludes cabinet.		
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)	3,301.54	77.01
		Note: Excludes cabinet.		
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	169.66	19.25
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	127.46	19.25
28 46 13 31-0394		Simplex Fire Alarm <small>(28 46 13 31)</small>		
28 46 13 31-0395		4100 Fire Alarm Control Panel <small>(28 46 13 31-0394)</small>		
28 46 13 31-0396	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	7,494.18	769.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0397 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	8,127.02	769.11
28 46 13 31-0398 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,441.50	769.11
28 46 13 31-0399 EA Up To 127 Points, IDNet Module, (Simplex 4100-3104)	5,007.27	769.11
28 46 13 31-0400 EA Up To 64 Points, IDNet Module, (Simplex 4100-3105)	4,042.16	769.11
28 46 13 31-0401 EA Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	2,278.50	192.28
28 46 13 31-0402 EA Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)	475.98	38.46
28 46 13 31-0403 EA Dual Port RS-232 Interface Card (Simplex 4100-6038)	1,339.56	38.46
28 46 13 31-0404 4100U Backbox <small>(28 46 13 31-0394)</small>		
28 46 13 31-0405 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	2,355.32	153.82
28 46 13 31-0406 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	3,294.25	153.82
28 46 13 31-0407 DACT (Digital Alarm Communicator Transmitter) <small>(28 46 13 31-0394)</small>		
28 46 13 31-0408 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,286.92	76.91
28 46 13 31-0409 4010 Fire Alarm Control Panel <small>(28 46 13 31-0394)</small>		
28 46 13 31-0410 EA 120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	7,106.29	769.11
28 46 13 31-0411 EA 240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,913.81	769.11
28 46 13 31-0412 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	251.66	38.46
28 46 13 31-0413 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,046.53	38.46
28 46 13 31-0414 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,433.70	38.46
28 46 13 31-0415 EA 120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	743.32	38.46
28 46 13 31-0416 EA 240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	803.26	38.46
28 46 13 31-0417 EA Battery Meter Module Expansion Module (Simplex 4010-9820)	309.89	38.46
28 46 13 31-0418 Printer <small>(28 46 13 31-0394)</small>		
28 46 13 31-0419 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,300.66	38.46
28 46 13 31-0420 NAC Panel / Power Booster <small>(28 46 13 31-0394)</small>		
28 46 13 31-0421 EA 120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201)	1,547.33	192.28
28 46 13 31-0422 Battery <small>(28 46 13 31-0394)</small>		
28 46 13 31-0423 EA 50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296)	938.50	38.46
28 46 13 31-0424 EA 33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276)	628.01	38.46
28 46 13 31-0425 EA 6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272)	234.75	38.46
28 46 13 31-0426 Interface Modules <small>(28 46 13 31-0394)</small>		
28 46 13 31-0427 EA Supervised Individual Addressable Modules (Simplex 4090-9001)	192.08	38.46
28 46 13 31-0428 EA Relay Individual Addressable Modules (Simplex 4090-9002)	383.73	38.46
28 46 13 31-0429 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032)	101.79	38.46
28 46 13 31-0430 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	194.19	38.46
28 46 13 31-0431 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	87.15	19.22
28 46 13 31-0432 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	83.09	19.22
28 46 13 31-0433 Pull Stations <small>(28 46 13 31-0394)</small>		
28 46 13 31-0434 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001)	233.19	38.46
28 46 13 31-0435 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	170.25	38.46
28 46 13 31-0436 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	182.41	38.46
28 46 13 31-0437 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	164.77	38.46

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0438 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....	190.54	38.46
28 46 13 31-0439 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....	283.13	38.46
28 46 13 31-0440 EA Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....	239.23	38.46
28 46 13 31-0441 EA Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	279.81	38.46
28 46 13 31-0442 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754).....	136.43	38.46
28 46 13 31-0443 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755).....	143.86	38.46
28 46 13 31-0444 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	167.78	38.46
28 46 13 31-0445 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	254.69	38.46
28 46 13 31-0446 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759).....	432.46	38.46
28 46 13 31-0447 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	149.96	38.46
28 46 13 31-0448 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178).....	91.22	19.22
28 46 13 31-0449 Weatherproof Pull Stations (28 46 13 31-0394)		
28 46 13 31-0450 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138).....	230.28	46.15
28 46 13 31-0451 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211).....	145.14	19.22
28 46 13 31-0452 Heat / Smoke Sensor (28 46 13 31-0394)		
28 46 13 31-0453 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	234.90	57.68
28 46 13 31-0454 EA Photoelectric Smoke Sensor (Simplex 4098-9714).....	334.51	57.68
28 46 13 31-0455 EA Sensor Base With Relay Driver (Simplex 4098-9791).....	624.77	19.22
28 46 13 31-0456 EA Standard Sensor Base (Simplex 4098-9792).....	320.25	19.22
28 46 13 31-0457 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737).....	192.82	38.46
Note: Relay for 4098-9791		
28 46 13 31-0458 Explosion Proof Heat Detector (28 46 13 31-0394)		
28 46 13 31-0459 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	247.64	57.68
28 46 13 31-0460 EA Explosion Proof Backbox (Killark JLX-21).....	156.17	19.22
28 46 13 31-0461 EA Explosion Proof Backbox Plugs (Killark CUP-2).....	14.88	3.85
28 46 13 31-0462 Weatherproof Heat Detector (28 46 13 31-0394)		
28 46 13 31-0463 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	183.63	57.68
28 46 13 31-0464 200 Degree F Heat Detector (28 46 13 31-0394)		
28 46 13 31-0465 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	155.02	57.68
Note: Used in kiln rooms and kitchens.		
28 46 13 31-0466 Duct Smoke Sensor (28 46 13 31-0394)		
28 46 13 31-0467 EA Duct Sensor Housing (Simplex 4098-9755).....	509.61	30.76
28 46 13 31-0468 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756).....	695.37	69.22
Note: Relay output for AHU shutdown.		
28 46 13 31-0469 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798).....	80.79	19.22
Note: 25", 49", 73" or 97" sampling tube length.		
28 46 13 31-0470 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	195.71	57.68
28 46 13 31-0471 Interior Horn (28 46 13 31-0394)		
28 46 13 31-0472 EA Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	182.39	57.68
28 46 13 31-0473 EA White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	182.39	57.68
28 46 13 31-0474 Interior Horn Strobe (28 46 13 31-0394)		
28 46 13 31-0475 EA 75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426).....	245.70	57.68
28 46 13 31-0476 EA 110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427).....	245.70	57.68
28 46 13 31-0477 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	231.25	57.68
28 46 13 31-0478 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	231.25	57.68
28 46 13 31-0479 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	231.25	57.68
28 46 13 31-0480 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	231.25	57.68
28 46 13 31-0481 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	236.09	57.68
28 46 13 31-0482 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	236.09	57.68
28 46 13 31-0483 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	244.61	57.68
28 46 13 31-0484 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	240.68	57.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0485 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	244.61	57.68
28 46 13 31-0486 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	240.68	57.68
28 46 13 31-0487 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	231.25	57.68
28 46 13 31-0488 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	231.25	57.68
28 46 13 31-0489 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	231.25	57.68
28 46 13 31-0490 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	231.25	57.68
28 46 13 31-0491 Interior Strobe <small>(28 46 13 31-0394)</small>		
28 46 13 31-0492 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	200.57	57.68
28 46 13 31-0493 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	200.57	57.68
28 46 13 31-0494 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	200.51	57.68
28 46 13 31-0495 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	200.57	57.68
28 46 13 31-0496 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	218.92	57.68
28 46 13 31-0497 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	218.92	57.68
28 46 13 31-0498 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	220.09	57.68
28 46 13 31-0499 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	223.29	57.68
28 46 13 31-0500 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	223.29	57.68
28 46 13 31-0501 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	223.29	57.68
28 46 13 31-0502 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	200.57	57.68
28 46 13 31-0503 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	200.57	57.68
28 46 13 31-0504 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	200.57	57.68
28 46 13 31-0505 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	200.57	57.68
28 46 13 31-0506 Interior Speakers <small>(28 46 13 31-0394)</small>		
28 46 13 31-0507 EA Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	166.86	57.68
28 46 13 31-0508 EA White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	166.86	57.68
28 46 13 31-0509 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	166.86	57.68
28 46 13 31-0510 Interior Speaker Strobe <small>(28 46 13 31-0394)</small>		
28 46 13 31-0511 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	259.99	57.68
28 46 13 31-0512 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	259.99	57.68
28 46 13 31-0513 Surge Suppressors <small>(28 46 13 31-0394)</small>		
28 46 13 31-0514 EA Overvoltage Suppressor (Simplex 2081-9044).....	159.68	11.54
28 46 13 31-0515 EA Isolated Loop Circuit Protector (Simplex 2081-9028)	103.46	11.54
28 46 13 31-0516 EA 120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	337.82	11.54
28 46 13 31-0517 EA 24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B)	117.95	11.54
28 46 13 31-0518 EA Mounting Base For Two DTK-2MHL24 (Ditek DTK-2MB)	178.35	19.22
28 46 13 31-0519 EA 120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	120.82	11.54
28 46 13 31-0520 EA <105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	91.85	11.54
28 46 13 31-0521 Boxes And Adapters <small>(28 46 13 31-0394)</small>		
28 46 13 31-0522 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	83.09	19.22
28 46 13 31-0523 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	79.04	19.22
28 46 13 31-0524 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	71.08	19.22
28 46 13 31-0525 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940)	59.80	19.22
28 46 13 31-0526 Accessories <small>(28 46 13 31-0394)</small>		
28 46 13 31-0527 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	43.18	19.22
28 46 13 31-0528 Siemens Fire Alarm <small>(28 46 13 31)</small>		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0529 Conventional Control Panels <small>(28 46 13 31-0528)</small>		
28 46 13 31-0530 SXL Batteries And Power Supplies <small>(28 46 13 31-0529)</small>		
28 46 13 31-0531 EA 6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,342.88	76.91
28 46 13 31-0532 EA Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,086.42	76.91
28 46 13 31-0533 Digital Fire Communicators <small>(28 46 13 31-0529)</small>		
28 46 13 31-0534 EA Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,052.61	76.91
28 46 13 31-0535 Addressable Control Panels <small>(28 46 13 31-0528)</small>		
28 46 13 31-0536 Fireseeker Equipment <small>(28 46 13 31-0535)</small>		
28 46 13 31-0537 FS-250 System Panels <small>(28 46 13 31-0536)</small>		
28 46 13 31-0538 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	3,422.06	769.11
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 13 31-0539 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)	4,205.45	769.11
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0540 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)	2,559.54	615.28
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0541 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,426.73	769.11
28 46 13 31-0542 FS-250 Optional Modules <small>(28 46 13 31-0536)</small>		
28 46 13 31-0543 EA Main Board Module (Siemens FS-MB2)	1,352.21	76.91
28 46 13 31-0544 EA Display Board Module (Siemens FS-DB2)	1,046.81	38.46
28 46 13 31-0545 EA Device Loop Card (Siemens FS-DLC)	860.29	38.46
28 46 13 31-0546 EA Releasing Module (Siemens FS-REL)	389.33	38.46
28 46 13 31-0547 EA Remote LCD Annunciator (Siemens FS-RD2)	854.47	38.46
28 46 13 31-0548 EA Relay Processor Card (Siemens FS-RU2)	743.72	38.46
28 46 13 31-0549 EA Relay Expander Board (Siemens FS-RE8)	636.47	38.46
28 46 13 31-0550 EA Serial Annunciator Processor Card (Siemens FS-SAU2)	854.47	38.46
28 46 13 31-0551 EA 16 Output Annunciator Extender (Siemens FS-SAE16)	669.11	38.46
28 46 13 31-0552 EA Digital Alarm Communication Transmitter (Siemens FS-DACT)	609.66	38.46
28 46 13 31-0553 EA Municipal Tie Module (Siemens FS-MT)	519.89	38.46
28 46 13 31-0554 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	488.39	
28 46 13 31-0555 EA Programming Cable Kit (Siemens CBL-UD)	128.22	19.22
28 46 13 31-0556 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	231.95	38.46
28 46 13 31-0557 EA Releasing Power Transformer (Siemens FS-RPT-A)	235.45	38.46
28 46 13 31-0558 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	262.04	30.76
28 46 13 31-0559 EA Cabinet Trim Kit (Siemens RD-CAB-TK)	416.16	19.22
28 46 13 31-0560 Firefinder Systems <small>(28 46 13 31-0535)</small>		
28 46 13 31-0561 XLS Basic Fire System Packages Without Backbox <small>(28 46 13 31-0560)</small>		
28 46 13 31-0562 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)	11,648.19	769.11
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0563 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)	10,316.90	769.11
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0564 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)	10,316.90	769.11
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0565 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)	16,933.70	769.11
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0566 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)	17,486.27	769.11
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0567 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)	10,182.84	769.11
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0568 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	10,182.84	769.11
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0569 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	11,740.28	769.11
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0570 Firefinder - XLS Basic System Equipment <small>(28 46 13 31-0560)</small>		
28 46 13 31-0571 EA Person Machine Interface With Central Processor (Siemens PMI).....	5,423.65	769.11
Note: Includes inner door.		
28 46 13 31-0572 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	8,863.78	769.11
Note: Includes inner door.		
28 46 13 31-0573 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	5,423.65	769.11
Note: Includes inner door.		
28 46 13 31-0574 EA Two Slot Card Cage (Siemens CC-2).....	655.12	38.46
28 46 13 31-0575 EA Five Slot Card Cage (Siemens CC-5).....	1,099.27	38.46
28 46 13 31-0576 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,565.57	38.46
28 46 13 31-0577 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,634.35	38.46
28 46 13 31-0578 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	524.56	38.46
28 46 13 31-0579 EA Device Loop Card (Siemens DLC).....	1,853.51	38.46
Note: Interfaces with up to 252 detectors and devices.		
28 46 13 31-0580 EA Controllable Relay Card (Siemens CRC-6).....	1,054.97	38.46
Note: Provides six programmable relays.		
28 46 13 31-0581 EA 12 Amperes Power Supply Charger Module (Siemens PSC-12).....	3,962.35	38.46
28 46 13 31-0582 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	6,978.77	769.11
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 13 31-0583 EA Network Interface Card (Siemens NIC-C).....	1,232.17	38.46
Note: Provides HNET Or XNET communication between enclosures.		
28 46 13 31-0584 EA 12 Amperes Power Supply Extender (Siemens PSX-12).....	3,297.88	38.46
Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 13 31-0585 EA Power Termination Board (Siemens PTB).....	566.53	38.46
Note: Used with systems requiring more than one PSX-12.		
28 46 13 31-0586 EA Conventional Detector Card (Siemens CDC-4).....	1,187.87	38.46
28 46 13 31-0587 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	2,315.15	38.46
28 46 13 31-0588 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	8,293.12	38.46
28 46 13 31-0589 Remote Lobby Enclosure <small>(28 46 13 31-0560)</small>		
28 46 13 31-0590 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	1,574.82	153.82
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 13 31-0591 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	2,017.81	153.82
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 13 31-0592 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	255.27	38.46
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 46 13 31-0593 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	277.42	38.46
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 46 13 31-0594 Battery Enclosures <small>(28 46 13 31-0560)</small>		
28 46 13 31-0595 EA Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	996.61	153.82
28 46 13 31-0596 Graphic Annunciator Output Drivers And Inputs <small>(28 46 13 31-0560)</small>		
28 46 13 31-0597 EA Output Control Module (Siemens OCM-16).....	765.87	38.46
28 46 13 31-0598 EA Supervised Input Module (Siemens SIM-16).....	765.87	38.46
28 46 13 31-0599 Remote LCD Displays <small>(28 46 13 31-0560)</small>		
28 46 13 31-0600 EA Remote LED/LCD System Status Display (Siemens SSD).....	1,784.67	115.36
Note: No control or menu capability.		
28 46 13 31-0601 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	2,007.33	115.36
28 46 13 31-0602 Voice Equipment <small>(28 46 13 31-0560)</small>		
28 46 13 31-0603 EA 40 Watts Zone Amplifier Card (Siemens ZAC-40).....	1,746.26	38.46
28 46 13 31-0604 EA 180 Watts Zone Amplifier Module (Siemens ZAM-180).....	3,852.77	38.46
28 46 13 31-0605 EA Live Voice Module (Siemens LVM).....	1,630.85	38.46
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 46 13 31-0606 MXL Series Equipment <small>(28 46 13 31-0539)</small>		
28 46 13 31-0607 MXL Optional Equipment <small>(28 46 13 31-0606)</small>		
28 46 13 31-0608 EA Two Circuit Analog Loop Driver (Siemens ALD-21).....	1,893.12	76.91
28 46 13 31-0609 EA CXL/MXL Interface Module (Siemens CMI-300).....	4,833.17	38.46
28 46 13 31-0610 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	841.64	38.46

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0611 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	1,013.01	38.46
28 46 13 31-0612 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	390.50	38.46
28 46 13 31-0613 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	247.11	38.46
28 46 13 31-0614 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	986.19	38.46
28 46 13 31-0615 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	371.82	57.68
28 46 13 31-0616 EA Lexan Window For RCC (Siemens GENBOX-WD).....	249.22	30.76
28 46 13 31-0617 EA Input Driver Module (Siemens MID-16).....	651.62	38.46
28 46 13 31-0618 EA Programmable Output Driver Module (Siemens MOD-16).....	651.62	38.46
28 46 13 31-0619 EA MXL Output/Input Module (Siemens MOI-7).....	1,033.99	38.46
28 46 13 31-0620 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	557.20	38.46
28 46 13 31-0621 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	868.45	38.46
28 46 13 31-0622 EA 12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....	2,143.73	115.36
28 46 13 31-0623 EA 12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....	2,143.73	115.36
28 46 13 31-0624 EA Network Interface Module (Siemens NIM-1W).....	1,535.26	38.46
28 46 13 31-0625 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	4,038.05	153.82
28 46 13 31-0626 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	460.44	38.46
28 46 13 31-0627 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	4,644.93	769.11
28 46 13 31-0628 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	565.33	76.91
28 46 13 31-0629 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	4,644.93	769.11
28 46 13 31-0630 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	579.32	76.91
28 46 13 31-0631 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	3,636.56	769.11
28 46 13 31-0632 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	5,302.42	769.11
28 46 13 31-0633 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	90.92	19.22
28 46 13 31-0634 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	6,215.72	76.91
28 46 13 31-0635 EA Remote Diagnostics Module For PC (Siemens RDM-PC).....	13,206.72	76.91
28 46 13 31-0636 EA Releasing End Of Line Module (Siemens REL-EOL).....	203.98	38.46
28 46 13 31-0637 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	3,973.98	76.91
28 46 13 31-0638 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	3,795.62	76.91
28 46 13 31-0639 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	2,057.44	153.82
28 46 13 31-0640 Complete MXL And MXLV System Packages Without Enclosure (28 46 13 31-0606)		
28 46 13 31-0641 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP).....	15,023.04	769.11
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 13 31-0642 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	19,392.27	769.11
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 13 31-0643 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	39,797.55	769.11
28 46 13 31-0644 MXL Basic System (28 46 13 31-0606)		
28 46 13 31-0645 EA MXL/MXLV Main Control Board (Siemens MMB-3).....	9,525.36	769.11
28 46 13 31-0646 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	12,135.47	769.11
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 13 31-0647 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	3,356.14	76.91
28 46 13 31-0648 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	4,197.81	76.91
28 46 13 31-0649 EA 6 Amperes Power Supply For MXL (Siemens MPS-6).....	1,489.74	115.36
28 46 13 31-0650 EA 220/240 Volt AC Adapter Cable (Siemens CIA-12).....	114.23	19.22
28 46 13 31-0651 MXL/MXLV System Expansion Accessories (28 46 13 31-0606)		
28 46 13 31-0652 EA MXL Remote Power Supply Module (Siemens PSR-1).....	1,819.65	115.36
28 46 13 31-0653 EA Style 4 Communication Module (Siemens NET-4).....	378.84	38.46
28 46 13 31-0654 EA Style 7 Communication Module (Siemens NET-7).....	678.44	38.46
28 46 13 31-0655 EA MXL/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	412.65	38.46
28 46 13 31-0656 Peripheral Devices (28 46 13 31-0535)		
28 46 13 31-0657 Thermal Detectors (28 46 13 31-0656)		
28 46 13 31-0658 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	172.48	57.68
28 46 13 31-0659 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	172.48	57.68
28 46 13 31-0660 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	172.48	57.68
28 46 13 31-0661 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	172.48	57.68
28 46 13 31-0662 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	259.91	57.68
28 46 13 31-0663 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	259.91	57.68
28 46 13 31-0664 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	613.14	57.68
28 46 13 31-0665 Beam Smoke Detector (28 46 13 31-0656)		
28 46 13 31-0666 EA Linear Beam Smoke Detector (Siemens PBA-1191).....	2,842.73	57.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0667 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	327.57	19.22
28 46 13 31-0668 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	331.06	19.22
28 46 13 31-0669 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	172.52	19.22
28 46 13 31-0670 Bases For Detectors (28 46 13 31-0656)		
28 46 13 31-0671 EA Detector Base (Siemens DB-11).....	55.95	19.22
28 46 13 31-0672 EA Universal Base (Siemens DB-3S).....	52.45	19.22
28 46 13 31-0673 Manual Stations (28 46 13 31-0656)		
28 46 13 31-0674 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	370.90	46.15
28 46 13 31-0675 Addressable Devices (28 46 13 31-0535)		
28 46 13 31-0676 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 13 31-0675)		
28 46 13 31-0677 EA Addressable Fireprint Fire Detector (Siemens HFP-11).....	315.87	57.68
28 46 13 31-0678 EA Addressable Thermal Fire Detector (Siemens HFPT-11).....	275.07	57.68
28 46 13 31-0679 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	227.27	57.68
28 46 13 31-0680 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	158.49	57.68
28 46 13 31-0681 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	158.49	57.68
28 46 13 31-0682 EA Addressable Single Action Manual Pull Station (Siemens HMS-S).....	322.88	38.46
28 46 13 31-0683 EA Addressable Double Action Manual Pull Station (Siemens HMS-D).....	308.89	38.46
28 46 13 31-0684 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	247.11	38.46
28 46 13 31-0685 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	299.57	38.46
28 46 13 31-0686 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	299.57	38.46
28 46 13 31-0687 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	229.62	38.46
28 46 13 31-0688 EA Line Isolator Module (Siemens HLIM).....	236.62	38.46
28 46 13 31-0689 EA Remote Convention Zone Module (Siemens HZM).....	343.87	38.46
28 46 13 31-0690 EA Intelligent Control Point Module (Siemens HCP).....	432.46	38.46
28 46 13 31-0691 EA Handheld Programming And Testing Unit (Siemens DPU).....	1,857.03	
28 46 13 31-0692 EA DPU Carrying Case (Siemens DPU-C1).....	288.86	
28 46 13 31-0693 EA Label Printer And Carrying Case (Siemens DPU-PRT).....	3,182.47	38.46
28 46 13 31-0694 Air Duct Housings And Detectors (28 46 13 31-0675)		
28 46 13 31-0695 EA Air-Duct Housing (Siemens AD2-P).....	349.47	30.76
28 46 13 31-0696 EA Air-Duct Housing With Relay (Siemens AD2-XHR).....	393.77	30.76
28 46 13 31-0697 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000).....	320.55	38.46
28 46 13 31-0698 EA 6" To 1' Duct Sampling Tube (Siemens ST-10).....	46.39	11.54
28 46 13 31-0699 EA >1' To 3' Duct Sampling Tube (Siemens ST-25).....	57.57	15.39
28 46 13 31-0700 EA >3' To 5' Duct Sampling Tube (Siemens ST-50).....	72.27	19.22
28 46 13 31-0701 EA >5' To 10' Duct Sampling Tube (Siemens ST-100).....	84.62	23.07
28 46 13 31-0702 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 13 31-0675)		
28 46 13 31-0703 EA Addressable Fireprint Fire Detector (Siemens FP-11).....	328.69	57.68
28 46 13 31-0704 EA Addressable Thermal Fire Detector (Siemens FPT-11).....	285.56	57.68
28 46 13 31-0705 EA Intelligent Ionization Smoke Detector (Siemens ILI-1).....	361.33	57.68
28 46 13 31-0706 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	314.72	38.46
28 46 13 31-0707 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	346.20	38.46
28 46 13 31-0708 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	318.22	38.46
28 46 13 31-0709 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	350.86	38.46
28 46 13 31-0710 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	350.86	38.46
28 46 13 31-0711 Detector Universal Bases (28 46 13 31-0675)		
28 46 13 31-0712 EA Detector Base With Relay (Siemens DB-X11RS).....	149.21	19.22
28 46 13 31-0713 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	79.26	19.22
28 46 13 31-0714 EA Locking Kit (Siemens LK-11).....	16.32	
28 46 13 31-0715 EA Detector Base With Relay (Siemens DB-X3RS).....	149.21	19.22
28 46 13 31-0716 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	172.52	19.22
28 46 13 31-0717 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	75.76	19.22
28 46 13 31-0718 EA Flush Trim Ring For Bases (Siemens RA-ADB).....	37.06	11.54
28 46 13 31-0719 EA Seal For DB-11 (Siemens DB11-SEAL).....	19.13	
28 46 13 31-0720 EA Gasket For DB-11 (Siemens DB-SEAL).....	20.67	
28 46 13 31-0721 EA Detector Guard Housing (Siemens DGH-11).....	215.65	19.22
28 46 13 31-0722 EA Small Detector Base (Siemens DB-11E).....	60.61	19.22
28 46 13 31-0723 EA Audible Base For Series 3 (Siemens ADBI-60A).....	193.50	19.22
28 46 13 31-0724 EA Base Plug (Siemens DB-11-DP).....	16.28	
28 46 13 31-0725 Air Duct Smoke Detectors (28 46 13 31-0675)		
28 46 13 31-0726 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	171.34	38.46
28 46 13 31-0727 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	831.15	38.46
28 46 13 31-0728 Notification Devices (28 46 13 31-0535)		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0729 Synchronization Control Devices <small>(28 46 13 31-0728)</small>		
28 46 13 31-0730 EA Dual Synchronization Control Module (Siemens DSC).....	247.11	38.46
28 46 13 31-0731 Stand Alone Strobes <small>(28 46 13 31-0728)</small>		
28 46 13 31-0732 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	214.45	57.68
28 46 13 31-0733 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	231.94	57.68
28 46 13 31-0734 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	214.45	57.68
28 46 13 31-0735 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	231.94	57.68
28 46 13 31-0736 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	231.94	57.68
28 46 13 31-0737 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	214.45	57.68
28 46 13 31-0738 EA Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	244.76	57.68
28 46 13 31-0739 EA Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	235.43	57.68
28 46 13 31-0740 EA Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	235.43	57.68
28 46 13 31-0741 EA Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	250.59	57.68
28 46 13 31-0742 EA Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	250.59	57.68
28 46 13 31-0743 Horns And Strobes <small>(28 46 13 31-0728)</small>		
28 46 13 31-0744 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	283.23	57.68
28 46 13 31-0745 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	298.38	57.68
28 46 13 31-0746 EA Wall Mounted Horn (Siemens SE-R).....	172.48	57.68
28 46 13 31-0747 EA Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	283.23	57.68
28 46 13 31-0748 EA Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	298.38	57.68
28 46 13 31-0749 EA Ceiling Mounted Horn (Siemens SEC-R).....	179.48	57.68
28 46 13 31-0750 EA Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	283.23	57.68
28 46 13 31-0751 EA Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	298.38	57.68
28 46 13 31-0752 EA Wall Mounted Low Profile Horn (Siemens SEF-R).....	172.48	57.68
28 46 13 31-0753 EA Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	283.23	57.68
28 46 13 31-0754 EA Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	298.38	57.68
28 46 13 31-0755 EA Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	179.48	57.68
28 46 13 31-0756 EA Mini Horn (Siemens MH-R).....	146.84	57.68
28 46 13 31-0757 EA Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	181.81	57.68
28 46 13 31-0758 EA Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	268.07	57.68
28 46 13 31-0759 EA Industrial Tri-Tone Horn (Siemens ASR).....	727.38	57.68
28 46 13 31-0760 EA Wall Mounted Horn (Siemens HS-R).....	181.81	57.68
28 46 13 31-0761 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	269.24	57.68
28 46 13 31-0762 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	287.89	57.68
28 46 13 31-0763 EA 6" Motor Bell (Siemens MBDC-6).....	205.12	57.68
28 46 13 31-0764 EA 10" Motor Bell (Siemens MBDC-10).....	222.61	57.68
28 46 13 31-0765 Mounting Accessories <small>(28 46 13 31-0728)</small>		
28 46 13 31-0766 EA Concealed Conduit Adapter Plate (Siemens APS-R).....	52.45	19.22
28 46 13 31-0767 EA 4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	52.45	19.22
28 46 13 31-0768 EA 4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	53.61	19.22
28 46 13 31-0769 EA Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	81.59	19.22
28 46 13 31-0770 EA White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	66.44	19.22
28 46 13 31-0771 EA Surface Mounted Speaker Backbox (Siemens SBBS-R).....	69.94	19.22
28 46 13 31-0772 EA Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	74.60	19.22
28 46 13 31-0773 EA Square Semi-Flush Extension Ring (Siemens SERS-R).....	60.61	19.22
28 46 13 31-0774 EA Semi-Flush Plate (Siemens SFPS-R).....	51.28	19.22
28 46 13 31-0775 EA Square Surface Backbox (Siemens SHBBS-R).....	60.61	19.22
28 46 13 31-0776 EA Horn Adapter Plate (Siemens SHMPS-R).....	58.28	19.22
28 46 13 31-0777 EA Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	52.45	19.22
28 46 13 31-0778 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	66.44	19.22
28 46 13 31-0779 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	69.94	19.22
28 46 13 31-0780 EA Weatherproof Speaker Backbox (Siemens WBBS-R).....	67.60	19.22
28 46 13 31-0781 EA Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	74.60	19.22
28 46 13 31-0782 EA Weatherproof Flush Plate (Siemens WFPAS-R).....	74.60	19.22
28 46 13 31-0783 EA Weatherproof Horn Flush Plate (Siemens WFPS-R).....	74.60	19.22
28 46 13 31-0784 EA Weatherproof Horn Backbox (Siemens WPBBS-R).....	69.94	19.22
28 46 13 31-0785 EA Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	69.94	19.22
28 46 13 31-0786 EA Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	52.45	19.22
28 46 13 31-0787 EA Z Series Backbox (Siemens ZBB-R).....	58.28	19.22
28 46 13 31-0788 Door Holders <small>(28 46 13 31-0728)</small>		
28 46 13 31-0789 EA 120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	416.12	57.68
28 46 13 31-0790 EA 24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	416.12	57.68
28 46 13 31-0791 Voice Equipment <small>(28 46 13 31-0535)</small>		
28 46 13 31-0792 Voicecom <small>(28 46 13 31-0791)</small>		
28 46 13 31-0793 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	6,335.27	769.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0794 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	9,890.81	769.11
28 46 13 31-0795 Johnson Controls Fire Alarm (28 46 13 31)		
28 46 13 31-0796 EA Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	251.24	57.68
28 46 13 31-0797 EA Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	248.72	57.68
28 46 13 31-0798 EA Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	306.59	57.68
28 46 13 31-0799 EA Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	305.79	57.68
28 46 13 31-0800 EA 411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	818.25	76.91
28 46 13 31-0801 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	238.34	57.68
28 46 13 31-0802 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	214.39	57.68
28 46 13 31-0803 EA Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	209.31	57.68
28 46 13 31-0804 EA Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	599.65	57.68
28 46 13 31-0805 EA 100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	2,871.05	115.36
28 46 13 31-0806 EA AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,782.75	115.36
28 46 13 31-0807 EA 120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,830.39	115.36
28 46 13 31-0808 EA AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E).....	2,711.46	115.36
28 46 13 31-0809 EA 30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30).....	1,337.46	115.36
28 46 13 31-0810 EA AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,337.46	115.36
28 46 13 31-0811 EA Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	1,317.28	38.46
28 46 13 31-0812 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	1,369.71	38.46
28 46 13 31-0813 EA Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	1,008.97	38.46
28 46 13 31-0814 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,008.97	38.46
28 46 13 31-0815 EA Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	714.93	38.46
28 46 13 31-0816 EA Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,292.38	76.91
28 46 13 31-0817 EA Annunciator Expander Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	1,008.97	38.46
28 46 13 31-0818 EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	1,048.38	38.46
28 46 13 31-0819 EA Annunciator Expander Module With; 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	905.59	38.46
28 46 13 31-0820 EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	905.59	38.46
28 46 13 31-0821 EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #FAFWS-BX)	160.11	34.61
28 46 13 31-0822 EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	1,390.64	76.91
28 46 13 31-0823 EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	3,005.23	76.91
28 46 13 31-0824 EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,390.64	76.91
28 46 13 31-0825 EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	3,005.23	76.91
28 46 13 31-0826 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	59.84	19.22
28 46 13 31-0827 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	151.82	19.22
28 46 13 31-0828 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	143.50	19.22
28 46 13 31-0829 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	63.40	19.22
28 46 13 31-0830 EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	57.49	19.22
28 46 13 31-0831 EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	1,020.02	76.91
28 46 13 31-0832 EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,369.29	115.36
28 46 13 31-0833 EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,502.96	115.36
28 46 13 31-0834 EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	279.05	19.22
28 46 13 31-0835 EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	189.95	19.22
28 46 13 31-0836 EA Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	2,371.26	115.36
28 46 13 31-0837 EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	2,191.07	115.36
28 46 13 31-0838 EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	2,191.07	115.36
28 46 13 31-0839 EA Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	2,565.89	115.36
28 46 13 31-0840 EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	2,369.29	115.36
28 46 13 31-0841 EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	2,369.29	115.36
28 46 13 31-0842 EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	2,369.29	115.36
28 46 13 31-0843 EA Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	2,827.55	115.36
28 46 13 31-0844 EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,827.55	115.36
28 46 13 31-0845 EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,827.55	115.36
28 46 13 31-0846 EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	301.58	38.46
28 46 13 31-0847 EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	457.41	38.46
28 46 13 31-0848 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	44.96	15.39
28 46 13 31-0849 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	48.63	15.39
28 46 13 31-0850 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	114.70	23.07
28 46 13 31-0851 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	56.84	15.39

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0852 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	70.26	19.22
28 46 13 31-0853 EA Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	460.05	38.46
28 46 13 31-0854 EA Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	768.67	76.91
28 46 13 31-0855 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	653.39	115.36
28 46 13 31-0856 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	893.38	115.36
28 46 13 31-0857 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	973.57	115.36
28 46 13 31-0858 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	501.77	15.39
28 46 13 31-0859 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	754.28	15.39
28 46 13 31-0860 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	828.55	15.39
28 46 13 31-0861 EA 6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6).....	1,040.29	153.82
Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 13 31-0862 EA 8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8).....	1,351.38	153.82
Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 13 31-0863 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	1,273.29	115.36
28 46 13 31-0864 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	234.50	19.22
28 46 13 31-0865 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	659.67	38.46
28 46 13 31-0866 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	359.35	57.68
28 46 13 31-0867 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	296.15	57.68
28 46 13 31-0868 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	310.53	57.68
28 46 13 31-0869 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	2,402.30	76.91
28 46 13 31-0870 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	2,929.73	76.91
28 46 13 31-0871 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	889.44	38.46
28 46 13 31-0872 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320).....	6,153.37	615.28
Note: Includes Door, Dress Panel And Back Box, Black		
28 46 13 31-0873 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	2,955.34	76.91
28 46 13 31-0874 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	39,334.39	922.93
28 46 13 31-0875 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	42,898.65	922.93
28 46 13 31-0876 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	48,245.06	922.93
28 46 13 31-0877 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	42,898.65	922.93
28 46 13 31-0878 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	292.09	23.07
28 46 13 31-0879 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	327.74	23.07
28 46 13 31-0880 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	356.25	23.07
28 46 13 31-0881 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	659.21	23.07
28 46 13 31-0882 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	216.09	15.39
28 46 13 31-0883 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	340.70	34.61
28 46 13 31-0884 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	361.14	34.61
28 46 13 31-0885 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	653.75	34.61
28 46 13 31-0886 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	645.61	15.39
28 46 13 31-0887 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	868.38	15.39
28 46 13 31-0888 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	1,073.32	15.39
28 46 13 31-0889 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	313.34	38.46
28 46 13 31-0890 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	145.38	15.39
28 46 13 31-0891 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	6,139.88	615.28
28 46 13 31-0892 EA Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640).....	4,438.37	461.46
Note: Includes CHS2-M2 Chassis		
28 46 13 31-0893 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	7,909.19	615.28
28 46 13 31-0894 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	7,552.60	461.46
28 46 13 31-0895 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	5,485.70	461.46
28 46 13 31-0896 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	2,937.03	57.68
28 46 13 31-0897 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	2,966.77	57.68
28 46 13 31-0898 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	2,966.77	57.68
28 46 13 31-0899 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	3,514.06	76.91
28 46 13 31-0900 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2).....	2,982.06	76.91
Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).		
28 46 13 31-0901 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	2,705.07	461.46
28 46 13 31-0902 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	2,125.97	76.91
28 46 13 31-0903 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	1,753.43	76.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0904 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	2,806.32	76.91
28 46 13 31-0905 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	867.14	19.22
28 46 13 31-0906 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	282.02	15.39
28 46 13 31-0907 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	346.18	15.39
28 46 13 31-0908 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	699.65	19.22
28 46 13 31-0909 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	1,278.83	19.22
28 46 13 31-0910 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	2,312.05	19.22
28 46 13 31-0911 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	187.07	19.22
28 46 13 31-0912 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	294.35	19.22
28 46 13 31-0913 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	148.20	19.22
28 46 13 31-0914 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	205.43	19.22
28 46 13 31-0915 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ)	163.23	19.22
28 46 13 31-0916 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	262.21	19.22
28 46 13 31-0917 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	298.15	19.22
28 46 13 31-0918 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	170.88	19.22
28 46 13 31-0919 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	2,453.52	57.68
28 46 13 31-0920 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	2,178.03	38.46
28 46 13 31-0921 EA Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232V).....	2,014.08	38.46
28 46 13 31-0922 EA Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	77.76	7.69
28 46 13 31-0923 EA Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc.) (Johnson Controls, Inc. #NCM-F).....	1,763.54	38.46
28 46 13 31-0924 EA Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc.) (Johnson Controls, Inc. #NCM-W)	1,679.89	38.46
28 46 13 31-0925 EA NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	4,281.86	76.91
28 46 13 31-0926 EA NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,195.04	38.46
28 46 13 31-0927 EA Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	328.36	15.39
28 46 13 31-0928 EA Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	759.48	38.46
28 46 13 31-0929 EA Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	759.48	38.46
28 46 13 31-0930 EA Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	205.42	15.39
28 46 13 31-0931 EA SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	55.69	7.69
28 46 13 31-0932 EA SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	55.69	7.69
28 46 13 31-0933 EA Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	222.30	57.68
28 46 13 31-0934 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH).....	247.24	57.68
28 46 13 31-0935 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	291.14	65.37
28 46 13 31-0936 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	287.57	65.37
28 46 13 31-0937 EA Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,838.51	153.82
28 46 13 31-0938 EA Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	1,446.42	153.82
28 46 13 31-0939 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW).....	222.30	57.68
28 46 13 31-0940 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH).....	247.24	57.68
28 46 13 31-0941 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	222.30	57.68
28 46 13 31-0942 EA Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	42.08	15.39
28 46 13 31-0943 EA SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	43.99	7.69
28 46 13 31-0944 EA SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	49.72	7.69
28 46 13 31-0945 EA SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	44.04	7.69
28 46 13 31-0946 EA Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR).....	205.11	57.68
28 46 13 31-0947 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	247.24	57.68
28 46 13 31-0948 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	291.14	65.37
28 46 13 31-0949 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P).....	247.24	57.68
28 46 13 31-0950 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	287.57	65.37
28 46 13 31-0951 EA Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P).....	222.30	57.68
28 46 13 31-0952 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW).....	222.30	57.68
28 46 13 31-0953 EA Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH).....	247.24	57.68
28 46 13 31-0954 EA Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P).....	247.24	57.68
28 46 13 31-0955 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P).....	222.30	57.68
28 46 13 31-0956 EA Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	286.16	19.22
28 46 13 31-0957 EA Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	1,260.06	76.91
28 46 13 31-0958 EA Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	326.51	76.91
28 46 13 31-0959 EA Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	141.59	38.46
28 46 13 31-0960 EA Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	141.59	38.46
28 46 13 31-0961 EA Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	249.60	38.46
28 46 13 31-0962 EA Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	270.27	38.46
28 46 13 31-0963 EA Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH).....	270.27	38.46
28 46 13 31-0964 EA Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	241.40	38.46
28 46 13 31-0965 EA Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	324.12	38.46
28 46 13 31-0966 EA Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	249.60	38.46
28 46 13 31-0967 EA Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	141.59	38.46
28 46 13 31-0968 EA Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	141.59	38.46
28 46 13 31-0969 EA Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	270.27	38.46
28 46 13 31-0970 EA Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	249.60	38.46
28 46 13 31-0971 EA Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	249.60	38.46



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 46 13 31-0972		Honeywell Fire Alarm (28 46 13 31)			
28 46 13 31-0973		Notifier Fire Alarm (28 46 13 31-0972)			
28 46 13 31-0974		Fire Alarm Control Panel And Accessories (28 46 13 31-0973)			
28 46 13 31-0975	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	6,706.22		769.11
28 46 13 31-0976	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	5,654.00		769.11
28 46 13 31-0977	EA	Central Processing Unit For NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	5,371.58		769.11
28 46 13 31-0978	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	6,693.84		769.11
28 46 13 31-0979	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,743.79		769.11
28 46 13 31-0980	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	6,585.42		769.11
28 46 13 31-0981	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	6,434.20		769.11
28 46 13 31-0982	EA	Two-Tone Sequential Module (Notifier 2TTM)	409.12		38.46
28 46 13 31-0983	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	102.31		7.69
28 46 13 31-0984	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	196.27		15.39
28 46 13 31-0985	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	297.98		23.07
28 46 13 31-0986	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	461.99		
28 46 13 31-0987	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	77.11		
28 46 13 31-0988	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	6,315.13		769.11
28 46 13 31-0989	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	6,373.48		769.11
28 46 13 31-0990	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	249.96		7.69
28 46 13 31-0991	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	78.50		7.69
28 46 13 31-0992	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	112.62		15.39
28 46 13 31-0993	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	112.28		19.22
28 46 13 31-0994	EA	IP Communicator (Notifier IPDACT-2)	815.14		38.46
28 46 13 31-0995	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	943.74		38.46
28 46 13 31-0996	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC)	229.32		38.46
		Note: Includes IPBRKT.			
28 46 13 31-0997	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B)	228.72		38.46
		Note: Includes IPBRKT			
28 46 13 31-0998	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	60.17		15.39
28 46 13 31-0999	EA	Loop Control Module (Notifier LCM-320)	2,229.36		76.91
28 46 13 31-1000	EA	Loop Expander Module (Notifier LEM-320)	1,866.05		76.91
28 46 13 31-1001	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,699.81		76.91
28 46 13 31-1002	EA	7' DACT Phone Cord (Notifier MCBL-7)	29.32		
28 46 13 31-1003	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	236.71		19.22
28 46 13 31-1004	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	275.16		38.46
28 46 13 31-1005	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	275.16		38.46
28 46 13 31-1006	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	853.66		38.46
28 46 13 31-1007	EA	Universal Zone Coder (Notifier UZC-256)	1,182.80		38.46
28 46 13 31-1008	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI)	367.56		
		Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.			
28 46 13 31-1009	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	975.95		
28 46 13 31-1010	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	641.80		
28 46 13 31-1011	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	5,191.60		23.07
28 46 13 31-1012	EA	Surface Back Box For NBS-12LRA (Notifier SBA-10)	64.77		19.22
28 46 13 31-1013	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,781.24		769.11
28 46 13 31-1014	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	4,084.64		769.11
28 46 13 31-1015		ONYX Cabinets (28 46 13 31-0973)			
28 46 13 31-1016	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	628.04		19.22
28 46 13 31-1017	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	840.09		19.22
28 46 13 31-1018	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	1,036.08		19.22
28 46 13 31-1019	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	144.98		23.07
28 46 13 31-1020	EA	Chassis Bridge (Notifier CB-1)	131.04		19.22
28 46 13 31-1021	EA	Four Position Chassis (Notifier CHS-4)	215.28		19.22
28 46 13 31-1022	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	239.21		38.46
28 46 13 31-1023	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	128.90		23.07
28 46 13 31-1024	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	161.35		23.07
28 46 13 31-1025	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	429.02		38.46
28 46 13 31-1026	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	279.10		38.46
28 46 13 31-1027	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	547.25		57.68
28 46 13 31-1028	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	347.81		57.68
28 46 13 31-1029	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	812.66		76.91
28 46 13 31-1030	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	508.68		76.91
28 46 13 31-1031	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	987.28		96.14
28 46 13 31-1032	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	593.91		96.14
28 46 13 31-1033	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	336.14		19.22
28 46 13 31-1034	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	233.73		19.22
28 46 13 31-1035	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	233.73		19.22
28 46 13 31-1036	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	342.09		19.22
28 46 13 31-1037	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	262.31		19.22
28 46 13 31-1038	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	431.39		19.22
28 46 13 31-1039	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	297.44		19.22
28 46 13 31-1040	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	512.36		19.22
28 46 13 31-1041	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	424.25		19.22



Electronic Safety and Security			28
Life Safety			28 40
Fire Detection and Alarm			28 46

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1042	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	756.45	19.22
28 46 13 31-1043	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	474.26	19.22
28 46 13 31-1044	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	904.10	19.22
28 46 13 31-1045	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	447.22	38.46
28 46 13 31-1046	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	652.02	38.46
28 46 13 31-1047	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	761.56	38.46
28 46 13 31-1048	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	467.46	38.46
28 46 13 31-1049	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	697.26	38.46
28 46 13 31-1050	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	811.57	38.46
28 46 13 31-1051	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	450.79	38.46
28 46 13 31-1052	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	652.02	38.46
28 46 13 31-1053	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	771.09	38.46
28 46 13 31-1054	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	488.89	38.46
28 46 13 31-1055	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	697.26	38.46
28 46 13 31-1056	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	811.57	38.46
28 46 13 31-1057	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	3,676.45	192.28
28 46 13 31-1058	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB)..... Note: Includes chassis, hinged dress plate, and mounting hardware.	421.02	38.46
28 46 13 31-1059	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4).....	464.55	115.36
28 46 13 31-1060	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	652.89	153.82
28 46 13 31-1061	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	838.57	153.82
28 46 13 31-1062	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	1,022.75	192.28
28 46 13 31-1063	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	270.99	38.46
28 46 13 31-1064	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	270.99	38.46
28 46 13 31-1065	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R).....	325.77	38.46
28 46 13 31-1066	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	446.03	38.46
28 46 13 31-1067	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	644.87	38.46
28 46 13 31-1068	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	759.18	38.46
28 46 13 31-1069	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	255.12	23.07
28 46 13 31-1070	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	255.12	23.07
28 46 13 31-1071	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	340.25	23.07
28 46 13 31-1072	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	271.19	23.07
28 46 13 31-1073	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	272.98	23.07
28 46 13 31-1074	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	270.00	23.07
28 46 13 31-1075	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	276.55	23.07
28 46 13 31-1076	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	104.97	23.07
28 46 13 31-1077	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	69.21	7.69
28 46 13 31-1078		NFS2-3030/640 Cabinet Mechanicals (28 46 13 31-0973)		
28 46 13 31-1079	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	146.56	23.07
28 46 13 31-1080	EA	Blank Module Dress Plate (Notifier BM-1B).....	123.17	23.07
28 46 13 31-1081	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	138.30	23.07
28 46 13 31-1082	EA	Four Position Expansion Chassis (Notifier CHS-4MB).....	330.18	19.22
28 46 13 31-1083	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	313.42	57.68
28 46 13 31-1084	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	152.06	23.07
28 46 13 31-1085		NFS-3030/640 Cabinet Mechanicals (28 46 13 31-0973)		
28 46 13 31-1086	EA	Annunciator Dress Plate (Notifier ADP-4B).....	139.68	23.07
28 46 13 31-1087	EA	Blank Module Dress Plate (Notifier BMP-1).....	91.54	23.07
28 46 13 31-1088	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	200.01	38.46
28 46 13 31-1089	EA	Module Dress Plate (Notifier MP-1B).....	141.06	23.07
28 46 13 31-1090		Battery Cabinets (28 46 13 31-0973)		
28 46 13 31-1091	EA	Six Position Chassis (Notifier CHS-6).....	135.09	38.46
28 46 13 31-1092	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	635.11	115.36
28 46 13 31-1093		Digital Voice (28 46 13 31-0973)		
28 46 13 31-1094	EA	Chassis Used With BB-XP (Notifier 18439).....	68.82	19.22
28 46 13 31-1095	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	2,407.22	57.68
28 46 13 31-1096	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	2,340.30	57.68
28 46 13 31-1097	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E).....	1,189.43	57.68
28 46 13 31-1098	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	620.15	57.68
28 46 13 31-1099	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	840.16	76.91
28 46 13 31-1100	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	1,046.43	96.14
28 46 13 31-1101	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	1,028.10	38.46
28 46 13 31-1102	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	1,028.10	38.46
28 46 13 31-1103	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	2,184.46	38.46
28 46 13 31-1104	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	135.80	19.22
28 46 13 31-1105	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	224.21	19.22
28 46 13 31-1106	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	225.40	19.22
28 46 13 31-1107	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	218.26	19.22
28 46 13 31-1108	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	220.64	19.22
28 46 13 31-1109	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	442.11	19.22
28 46 13 31-1110	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	339.71	19.22
28 46 13 31-1111	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	139.22	
28 46 13 31-1112	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	619.98	38.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

28 46 13 31-1113	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	625.47	38.46
28 46 13 31-1114	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2).....	134.01	19.22
28 46 13 31-1115	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	175.94	38.46
28 46 13 31-1116	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	519.74	57.68
28 46 13 31-1117	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	269.21	38.46
28 46 13 31-1118	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	269.21	38.46
28 46 13 31-1119	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	336.14	19.22
28 46 13 31-1120	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1).....	332.56	19.22
28 46 13 31-1121	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	2,054.79	38.46
28 46 13 31-1122	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,923.46	38.46
28 46 13 31-1123	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,923.46	38.46
28 46 13 31-1124	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	2,120.81	38.46
28 46 13 31-1125	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	2,091.33	38.46
28 46 13 31-1126	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	2,201.96	38.46
28 46 13 31-1127	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,511.00	38.46
28 46 13 31-1128	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,511.00	38.46
28 46 13 31-1129	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,954.07	38.46
28 46 13 31-1130	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	2,008.92	38.46
28 46 13 31-1131	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	2,094.50	38.46
28 46 13 31-1132	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	1,332.00	38.46
28 46 13 31-1133	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	1,367.11	38.46
28 46 13 31-1134	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	1,398.93	38.46
28 46 13 31-1135	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	1,445.01	38.46
28 46 13 31-1136	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	1,454.88	38.46
28 46 13 31-1137	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,497.67	38.46
28 46 13 31-1138	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,540.45	38.46
28 46 13 31-1139	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,617.25	38.46
28 46 13 31-1140	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT).....	154.26	19.22
28 46 13 31-1141	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	132.80	23.07
28 46 13 31-1142	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	152.06	23.07
28 46 13 31-1143	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	255.22	23.07
28 46 13 31-1144	EA	WPS Power Amplifier (Notifier DPA3204P).....	732.98	38.46
28 46 13 31-1145	EA	WPS Power Amplifier (Notifier DPA4001P).....	619.98	38.46
28 46 13 31-1146	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	1,383.57	38.46
28 46 13 31-1147	EA	120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	1,037.98	38.46
		Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1148	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE).....	1,050.05	38.46
		Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1149	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	1,741.23	38.46
28 46 13 31-1150	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	685.81	38.46
28 46 13 31-1151	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	396.02	38.46
28 46 13 31-1152	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	396.02	38.46
28 46 13 31-1153	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	396.02	38.46
28 46 13 31-1154	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	176.04	38.46
28 46 13 31-1155	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	372.63	38.46
28 46 13 31-1156	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM).....	2,071.30	38.46
28 46 13 31-1157	EA	Keypad For Digital Voice Command (Notifier DVC-KD).....	628.35	76.91
28 46 13 31-1158	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	307.11	
28 46 13 31-1159	EA	Portable Fireman's Telephone Handset (Notifier FHS).....	185.06	
28 46 13 31-1160	EA	Red, Fireman's Telephone Handset (Notifier FHS-F).....	214.24	
28 46 13 31-1161	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	541.28	38.46
28 46 13 31-1162	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	541.28	38.46
28 46 13 31-1163	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	89.99	11.54
28 46 13 31-1164	EA	Paging Microphone Only (Notifier MIC-1).....	257.09	38.46
28 46 13 31-1165	EA	Firefighter's Telephone Handset (Notifier TELH-1).....	211.26	
28 46 13 31-1166	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	611.96	38.46
28 46 13 31-1167	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	611.96	38.46

28 46 13 31-1168 Amplifiers (28 46 13 31-0973)

28 46 13 31-1169	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30).....	1,162.13	38.46
28 46 13 31-1170	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	2,516.94	38.46
28 46 13 31-1171	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	2,445.42	38.46
28 46 13 31-1172	EA	Audio Coupling Transformer (Notifier ACT-1).....	191.07	38.46
28 46 13 31-1173	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	221.33	38.46
28 46 13 31-1174	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	221.33	38.46
28 46 13 31-1175	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	221.33	38.46
28 46 13 31-1176	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025).....	1,871.78	38.46
28 46 13 31-1177	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070).....	1,935.41	38.46
28 46 13 31-1178	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525).....	2,010.02	38.46
28 46 13 31-1179	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA).....	3,653.49	38.46
		Note: Requires NFC-BDA-BU		
28 46 13 31-1180	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V).....	740.66	38.46
		Note: Requires NFC-BDA-BU		
28 46 13 31-1181	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V).....	743.95	38.46
		Note: Requires NFC-BDA-BU		

28 46 13 31-1182 FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 13 31-0973)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1183 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	5,407.57	769.11
28 46 13 31-1184 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	3,888.36	769.11
28 46 13 31-1185 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	4,979.50	769.11
28 46 13 31-1186 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,406.38	769.11
28 46 13 31-1187 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	7,061.07	769.11
28 46 13 31-1188 System Printer (28 46 13 31-0973)		
28 46 13 31-1189 EA 80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	2,500.44	38.46
28 46 13 31-1190 Batteries (28 46 13 31-0973)		
28 46 13 31-1191 EA 5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	697.26	38.46
28 46 13 31-1192 EA 7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	547.31	38.46
28 46 13 31-1193 EA 12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	715.11	38.46
28 46 13 31-1194 EA 18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	423.52	38.46
28 46 13 31-1195 EA 26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	585.82	38.46
28 46 13 31-1196 EA 55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	584.45	38.46
28 46 13 31-1197 EA 100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	921.16	38.46
28 46 13 31-1198 Battery Backboxes And Miscellaneous Mechanicals (28 46 13 31-0973)		
28 46 13 31-1199 EA 14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	197.87	30.76
28 46 13 31-1200 EA 24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)	325.87	30.76
Note: XP6 modules require a CHS-6.		
28 46 13 31-1201 EA 15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26)	524.97	153.82
28 46 13 31-1202 EA Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	263.96	76.91
28 46 13 31-1203 EA Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	141.46	19.22
28 46 13 31-1204 EA Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	349.09	30.76
28 46 13 31-1205 EA Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	261.57	30.76
28 46 13 31-1206 EA Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	289.55	30.76
28 46 13 31-1207 EA Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	308.00	30.76
28 46 13 31-1208 EA Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550).....	453.27	30.76
28 46 13 31-1209 EA Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26).....	272.28	30.76
28 46 13 31-1210 EA Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100).....	381.83	30.76
Note: Two kits are required for the BB-200		
28 46 13 31-1211 EA Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17).....	331.82	30.76
Note: Two kits are required for the BB-200		
28 46 13 31-1212 EA Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25).....	338.96	30.76
Note: Two kits are required for the BB-200		
28 46 13 31-1213 EA Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC)	297.29	30.76
Note: Two kits are required for the BB-200		
28 46 13 31-1214 EA Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4).....	279.43	30.76
Note: Two kits are required for the BB-200		
28 46 13 31-1215 Power Supplies And Chargers (28 46 13 31-0973)		
28 46 13 31-1216 EA 120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	1,627.18	57.68
28 46 13 31-1217 EA 220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,706.17	57.68
28 46 13 31-1218 EA Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,767.33	38.46
28 46 13 31-1219 EA 6A Auxiliary Power Supply (Notifier APS-6R)	1,038.79	38.46
28 46 13 31-1220 EA 10 Amperes Battery Charger (Notifier BC10A)	1,251.29	57.68
28 46 13 31-1221 EA 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100).....	691.21	46.15
Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1222 EA Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R)	699.55	46.15
Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1223 EA 30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200).....	964.49	46.15
Note: Holds four 55 ampere hour or four 100 ampere hour batteries		
28 46 13 31-1224 EA 30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	964.49	46.15
28 46 13 31-1225 EA 15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	248.37	38.46
28 46 13 31-1226 EA 25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,365.70	38.46
28 46 13 31-1227 EA Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	112.28	19.22
28 46 13 31-1228 EA Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	173.60	19.22
28 46 13 31-1229 EA 8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	910.43	38.46
28 46 13 31-1230 EA 8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	989.93	115.36
28 46 13 31-1231 EA Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	949.34	115.36
28 46 13 31-1232 EA 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	1,090.86	115.36
28 46 13 31-1233 EA 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	1,082.09	115.36
28 46 13 31-1234 EA Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	1,032.54	57.68
28 46 13 31-1235 EA Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	1,032.54	57.68
28 46 13 31-1236 EA 12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	1,275.01	57.68
28 46 13 31-1237 EA 12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	1,219.05	57.68
28 46 13 31-1238 EA 12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	1,293.66	115.36
28 46 13 31-1239 EA 12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	1,293.66	115.36

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1240 EA 6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	929.59	115.36
28 46 13 31-1241 EA 6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	929.59	115.36
28 46 13 31-1242 EA 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	999.80	115.36
28 46 13 31-1243 EA 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	999.80	115.36
28 46 13 31-1244 EA 6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	812.20	115.36
28 46 13 31-1245 EA 9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	949.34	115.36
28 46 13 31-1246 EA Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	201.93	19.22
28 46 13 31-1247 EA Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,503.79	38.46
28 46 13 31-1248 EA Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	245.99	38.46
28 46 13 31-1249 EA 240 Volt AC Addressable Power Supply (Notifier AMPS-24E).....	1,855.82	38.46
28 46 13 31-1250 EA 6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R).....	961.41	115.36
28 46 13 31-1251 EA 6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE).....	999.80	115.36
28 46 13 31-1252 EA 25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75).....	884.38	38.46
28 46 13 31-1253 EA 6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E).....	928.49	115.36
28 46 13 31-1254 EA 6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R).....	907.65	115.36
28 46 13 31-1255 Network Control Annunciators (28 46 13 31-0973)		
28 46 13 31-1256 EA Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	2,500.21	115.36
28 46 13 31-1257 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	102.54	23.07
28 46 13 31-1258 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	76.41	23.07
28 46 13 31-1259 FIRSTVISION Firefighter's Display (28 46 13 31-0973)		
28 46 13 31-1260 EA ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	19,581.71	769.11
28 46 13 31-1261 FlashScan Addressable Modules (28 46 13 31-0973)		
28 46 13 31-1262 EA Intelligent Addressable Control Module (Notifier FCM-1).....	226.83	38.46
28 46 13 31-1263 EA Addressable Dual Monitor Module (Notifier FDM-1).....	251.59	38.46
28 46 13 31-1264 EA Intelligent Addressable Monitor Module (Notifier FMM-1).....	191.07	38.46
28 46 13 31-1265 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	171.82	38.46
28 46 13 31-1266 EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20).....	338.24	38.46
28 46 13 31-1267 EA Intelligent Addressable Relay Module (Notifier FRM-1).....	209.38	38.46
28 46 13 31-1268 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	281.85	38.46
28 46 13 31-1269 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	188.32	38.46
28 46 13 31-1270 Addressable Device Bases And Accessories (28 46 13 31-0973)		
28 46 13 31-1271 EA Intelligent Detector Base With Flange (Notifier B710LP).....	70.35	19.22
28 46 13 31-1272 EA Weatherproof Device Housing (Notifier DH4000E-1).....	559.69	38.46
28 46 13 31-1273 EA Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W).....	68.82	19.22
28 46 13 31-1274 EA Swift AV Base Ceiling (Notifier WAV-CRL).....	346.85	19.22
28 46 13 31-1275 EA Swift AV Base Wall (Notifier WAV-RL).....	346.85	19.22
28 46 13 31-1276 XP6/XP10 Transponder (28 46 13 31-0973)		
28 46 13 31-1277 EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	171.13	38.46
28 46 13 31-1278 EA Six Circuit Supervised Control Module (Notifier XP6-C).....	797.64	38.46
28 46 13 31-1279 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	962.69	38.46
28 46 13 31-1280 EA Six Relay Control Module (Notifier XP6-R).....	767.38	38.46
28 46 13 31-1281 EA Ten Input Monitor Module (Notifier XP10-M).....	921.43	38.46
28 46 13 31-1282 LCD Display Annunciators (28 46 13 31-0973)		
28 46 13 31-1283 EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	1,049.12	115.36
28 46 13 31-1284 EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	1,454.87	115.36
28 46 13 31-1285 EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	1,504.39	115.36
28 46 13 31-1286 EA 8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	986.60	38.46
28 46 13 31-1287 EA 8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	528.19	38.46
28 46 13 31-1288 EA Eight Switch Smoke Control Master Module (Notifier SCS-8).....	1,274.75	38.46
28 46 13 31-1289 EA White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W).....	678.35	115.36
28 46 13 31-1290 ONYX ACM And AEM Series LED Annunciators (28 46 13 31-0973)		
28 46 13 31-1291 EA Remote, Eight Form C Relay Module (Notifier ACM-8R).....	569.86	38.46
28 46 13 31-1292 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	1,052.10	38.46
28 46 13 31-1293 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	808.64	38.46
28 46 13 31-1294 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	1,052.10	38.46
28 46 13 31-1295 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	808.64	38.46
28 46 13 31-1296 EA 32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	808.64	38.46
28 46 13 31-1297 EA 32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	726.12	38.46
28 46 13 31-1298 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	808.64	38.46
28 46 13 31-1299 EA 48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	726.12	38.46
28 46 13 31-1300 Graphic Annunciator - Lamp Driver Modules (28 46 13 31-0973)		
28 46 13 31-1301 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	354.63	76.91
28 46 13 31-1302 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	383.52	76.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1303 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	443.99	96.14
28 46 13 31-1304 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	481.12	96.14
28 46 13 31-1305 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	767.10	134.59
28 46 13 31-1306 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	136.24	23.07
28 46 13 31-1307 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	237.03	76.91
28 46 13 31-1308 EA Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	213.57	19.22
28 46 13 31-1309 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	289.99	76.91
28 46 13 31-1310 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	500.38	96.14
28 46 13 31-1311 EA Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	398.31	19.22
28 46 13 31-1312 EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	804.24	134.59
28 46 13 31-1313 EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	671.07	23.07
28 46 13 31-1314 EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	259.13	30.76
28 46 13 31-1315 EA Annunciator Key Switch (Notifier AKS-1B)	124.58	11.54
28 46 13 31-1316 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	135.37	38.46
28 46 13 31-1317 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	726.12	38.46
28 46 13 31-1318 EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	214.83	7.69
28 46 13 31-1319 EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	268.41	7.69
28 46 13 31-1320 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	600.95	38.46
28 46 13 31-1321 EA Lamp Driver Module (Notifier LDM-R32)	1,047.33	38.46
28 46 13 31-1322 EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	972.32	38.46
28 46 13 31-1323 EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	275.56	7.69
28 46 13 31-1324 EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	252.74	23.07
28 46 13 31-1325 EA Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	157.00	23.07
28 46 13 31-1326 EA Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	157.00	23.07
28 46 13 31-1327 EA Graphic Annunciator Dress Plate (Notifier DP-GDIS1).....	242.02	23.07
28 46 13 31-1328 EA Graphic Annunciator Dress Plate (Notifier DP-GDIS2).....	242.02	23.07
28 46 13 31-1329 EA Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED).....	585.20	38.46
28 46 13 31-1330 Network Gateways (28 46 13 31-0973)		
28 46 13 31-1331 EA Common Alerting Protocol Gateway (Notifier CAP-GW)	3,477.95	38.46
28 46 13 31-1332 EA Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,591.49	38.46
28 46 13 31-1333 EA Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	2,918.42	38.46
28 46 13 31-1334 EA Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,214.64	38.46
28 46 13 31-1335 EA Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	2,614.53	38.46
28 46 13 31-1336 EA Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS- NCM-WMF)	2,544.31	38.46
28 46 13 31-1337 EA Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS- NCM-WSF).....	2,863.57	38.46
28 46 13 31-1338 EA Modbus Gateway (Notifier MODBUS-GW).....	2,852.60	38.46
28 46 13 31-1339 EA 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,305.09	25.38
28 46 13 31-1340 EA Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,906.87	25.38
28 46 13 31-1341 EA 1920x1080P Wide Screen (Notifier MON-42LCDW).....	15,515.93	25.38
28 46 13 31-1342 EA Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	822.21	57.68
28 46 13 31-1343 EA Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	1,504.97	57.68
28 46 13 31-1344 EA Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,195.75	57.68
28 46 13 31-1345 EA Mass Notification Voice Paging (Notifier NOTIFY-IP).....	1,298.98	
28 46 13 31-1346 EA Embedded NFN Gateway (Notifier NFN-GW-EM).....	3,020.35	38.46
28 46 13 31-1347 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,020.35	38.46
28 46 13 31-1348 EA High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW- PC-HNMF).....	3,949.71	38.46
28 46 13 31-1349 EA High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW- PC-HNSF).....	4,597.00	38.46
28 46 13 31-1350 EA High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	3,949.71	38.46
28 46 13 31-1351 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	3,020.35	38.46
28 46 13 31-1352 EA Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,686.80	
28 46 13 31-1353 EA ONYXWorks Workstation (Notifier ONYXWORKS-WS)	29,824.88	922.93
28 46 13 31-1354 EA Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	6,733.57	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1355 EA Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	6,733.57	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1356 EA Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,217.90	38.46
28 46 13 31-1357 EA Wire, Standard Network Repeater Board (Notifier RPT-W)	995.19	38.46
28 46 13 31-1358 EA Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,180.60	38.46
28 46 13 31-1359 EA Signaling Line Circuit Integration Module (Notifier SLC-IM).....	1,315.55	38.46
28 46 13 31-1360 EA VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	2,720.95	38.46
28 46 13 31-1361 EA Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS).....	2,904.31	38.46
28 46 13 31-1362 EA Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	3,212.96	
28 46 13 31-1363 EA Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,687.95	25.38
28 46 13 31-1364 EA SWIFT Wireless Gateway With Flashscan (Notifier FWSG).....	506.20	38.46
28 46 13 31-1365 NOTI-FIRE-NET Network Components (28 46 13 31-0973)		
28 46 13 31-1366 EA Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,020.35	38.46
28 46 13 31-1367 EA Fiber Optic Network Communications Module (Notifier NCM-F)	1,351.94	38.46
28 46 13 31-1368 EA NOTI-FIRE-NET Web Server (Notifier NWS).....	3,020.35	38.46

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1369 EA Wired Network Communications Module (Notifier NCM-W).....	1,288.67	38.46
28 46 13 31-1370 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	142.54	19.22
28 46 13 31-1371 FireWarden Addressable Fire Panels (28 46 13 31-0973)		
28 46 13 31-1372 EA 50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	2,851.76	769.11
28 46 13 31-1373 EA Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,340.04	769.11
28 46 13 31-1374 EA Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	3,409.88	384.55
28 46 13 31-1375 EA Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	3,409.88	384.55
28 46 13 31-1376 EA Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	3,396.71	384.55
28 46 13 31-1377 EA Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addressable Fire Alarm Control Panel (Notifier NFW-50C).....	3,846.53	769.11
28 46 13 31-1378 EA Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addressable Fire Alarm Control Panel (NFW-50R)	2,863.52	769.11
28 46 13 31-1379 FireWarden Accessories (28 46 13 31-0973)		
28 46 13 31-1380 EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	255.86	57.68
28 46 13 31-1381 EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	243.96	57.68
28 46 13 31-1382 FireWarden Devices (28 46 13 31-0973)		
28 46 13 31-1383 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	186.95	38.46
28 46 13 31-1384 EA Intelligent Addressable Control Module (Notifier NC-100)	219.96	38.46
28 46 13 31-1385 EA Intelligent Addressable Relay Module (Notifier NC-100R).....	211.70	38.46
28 46 13 31-1386 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	499.78	57.68
28 46 13 31-1387 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	600.50	57.68
28 46 13 31-1388 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	211.70	38.46
28 46 13 31-1389 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	222.64	57.68
28 46 13 31-1390 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	222.64	57.68
28 46 13 31-1391 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	222.64	57.68
28 46 13 31-1392 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	294.17	57.68
28 46 13 31-1393 EA Intelligent Addressable Monitor Module (Notifier NMM-100).....	184.19	38.46
28 46 13 31-1394 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	168.38	38.46
28 46 13 31-1395 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	245.40	38.46
28 46 13 31-1396 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	232.27	57.68
28 46 13 31-1397 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	273.60	38.46
28 46 13 31-1398 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	940.69	38.46
28 46 13 31-1399 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 13 31-0973)		
28 46 13 31-1400 EA 120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,918.30	615.28
28 46 13 31-1401 EA 120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	2,095.73	615.28
28 46 13 31-1402 EA 240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	1,442.74	192.28
28 46 13 31-1403 EA 240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E).....	1,617.18	192.28
28 46 13 31-1404 EA Class A Converter Module (Notifier CAC-4).....	473.41	38.46
28 46 13 31-1405 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	175.04	23.07
28 46 13 31-1406 EA Remote Zone Annunciator (Notifier RZA-4X).....	261.82	57.68
28 46 13 31-1407 EA Red, Dress Panel (Notifier DP-51050).....	209.87	23.07
28 46 13 31-1408 EA Black, Dress Panel (Notifier DP-51050B)	212.25	23.07
28 46 13 31-1409 SFP-5UD 5 Zone Control Panels And Accessories (28 46 13 31-0973)		
28 46 13 31-1410 EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,906.77	769.11
28 46 13 31-1411 EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,749.17	576.83
28 46 13 31-1412 EA 240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	3,136.66	384.55
28 46 13 31-1413 EA Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	3,136.66	384.55
28 46 13 31-1414 EA Class A Converter Module (Notifier N-CAC-5X)	490.08	38.46
28 46 13 31-1415 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	189.03	23.07
28 46 13 31-1416 EA Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC)	4,327.10	576.83
Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1417 EA 240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE).....	2,867.91	384.55
28 46 13 31-1418 EA Red, 120 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,844.87	384.55
28 46 13 31-1419 SFP-10UD 10 Zone Control Panels And Accessories (28 46 13 31-0973)		
28 46 13 31-1420 EA 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	5,831.54	769.11
28 46 13 31-1421 EA 240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	4,362.01	576.83
28 46 13 31-1422 EA 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,291.90	769.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1423	EA		Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	5,131.12	769.11
28 46 13 31-1424	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	819.42	115.36
28 46 13 31-1425	EA		10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC).....	5,360.61	769.11
			Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1426	EA		240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE).....	4,001.26	576.83
28 46 13 31-1427	EA		Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR).....	4,742.94	769.11
28 46 13 31-1428 Smoke Detectors (28 46 13 31-0973)					
28 46 13 31-1429	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	313.42	57.68
28 46 13 31-1430	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	514.24	57.68
28 46 13 31-1431	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,458.30	57.68
28 46 13 31-1432	EA		Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	230.86	57.68
			Note: For use with DNR(W) duct detector housing		
28 46 13 31-1433	EA		Filters For Harsh Detector (Notifier RF-FTX).....	28.29	
28 46 13 31-1434	EA		Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	190.73	38.46
28 46 13 31-1435	EA		Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI).....	1,921.20	57.68
28 46 13 31-1436	EA		Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951).....	239.49	57.68
28 46 13 31-1437	EA		Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV).....	259.14	57.68
28 46 13 31-1438	EA		Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R).....	249.31	57.68
28 46 13 31-1439	EA		Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV).....	267.17	57.68
28 46 13 31-1440	EA		Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T).....	250.50	57.68
28 46 13 31-1441	EA		Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV).....	268.36	57.68
28 46 13 31-1442	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951).....	208.23	57.68
28 46 13 31-1443	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H).....	208.23	57.68
28 46 13 31-1444	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV).....	224.90	57.68
28 46 13 31-1445	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV).....	224.90	57.68
28 46 13 31-1446	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R).....	208.23	57.68
28 46 13 31-1447	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV).....	224.90	57.68
28 46 13 31-1448	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R).....	517.82	57.68
28 46 13 31-1449	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV).....	553.54	57.68
28 46 13 31-1450	EA		Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE).....	516.63	57.68
			Note: Requires B210W base, ordered separately		
28 46 13 31-1451	EA		Wireless Photo Detector With Flashscan (Notifier FWD-200P).....	477.33	57.68
			Note: Requires B210W base, ordered separately		
28 46 13 31-1452	EA		Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135).....	435.66	57.68
			Note: Requires B210W base, ordered separately		
28 46 13 31-1453	EA		Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135).....	435.66	57.68
			Note: Requires B210W base, ordered separately		
28 46 13 31-1454	EA		Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951).....	323.73	57.68
28 46 13 31-1455	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250).....	2,942.61	57.68
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
28 46 13 31-1456	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500).....	3,600.99	57.68
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
28 46 13 31-1457 Pull Stations (28 46 13 31-0973)					
28 46 13 31-1458	EA		Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	40.16	7.69
28 46 13 31-1459	EA		One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	96.29	19.22
28 46 13 31-1460	EA		Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	87.99	19.22
28 46 13 31-1461	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	132.33	38.46
28 46 13 31-1462	EA		DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	144.38	38.46
28 46 13 31-1463	EA		Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	191.77	38.46
28 46 13 31-1464	EA		Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	132.33	38.46
28 46 13 31-1465	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	150.00	38.46
28 46 13 31-1466	EA		Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	150.00	38.46
28 46 13 31-1467	EA		Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSTR).....	150.00	38.46
28 46 13 31-1468	EA		Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	142.78	38.46
28 46 13 31-1469	EA		Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	153.22	38.46
28 46 13 31-1470	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	987.53	46.15
28 46 13 31-1471	EA		Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S).....	121.09	38.46
28 46 13 31-1472	EA		Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12).....	126.21	38.46
28 46 13 31-1473	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	133.65	38.46
28 46 13 31-1474	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	291.73	46.15
28 46 13 31-1475	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	182.58	38.46
28 46 13 31-1476	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	155.50	38.46
28 46 13 31-1477	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	246.78	38.46
28 46 13 31-1478	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	68.40	7.69
28 46 13 31-1479	EA		Dual Action, Wireless Pull Station (Notifier NBG-12WL).....	503.08	46.15
28 46 13 31-1480 Rate Compensation Heat Detectors (28 46 13 31-0973)					
28 46 13 31-1481	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	236.40	57.68
28 46 13 31-1482	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	236.40	57.68

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1483			FM Series Door Releases (28 46 13 31-0973)		
28 46 13 31-1484	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	39.58	11.54
28 46 13 31-1485	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	39.58	11.54
28 46 13 31-1486	EA		1" Door Holder Spacer (Notifier FM900-100).....	39.58	11.54
28 46 13 31-1487	EA		Door Holder Extension Kit (Notifier FM900).....	41.64	11.54
28 46 13 31-1488	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	42.33	11.54
28 46 13 31-1489	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980).....	281.79	57.68
28 46 13 31-1490	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996).....	247.40	57.68
28 46 13 31-1491	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998).....	247.40	57.68
28 46 13 31-1492			Multicriteria Fire Detector (28 46 13 31-0973)		
28 46 13 31-1493	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	383.27	57.68
28 46 13 31-1494	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)..... Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	382.08	57.68
28 46 13 31-1495	EA		Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951).....	255.86	57.68
28 46 13 31-1496	EA		Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV).....	264.20	57.68
28 46 13 31-1497	EA		Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951).....	383.27	57.68
28 46 13 31-1498			Modules (28 46 13 31-0973)		
28 46 13 31-1499	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	447.22	38.46
28 46 13 31-1500	EA		Addressable Firephone Control Module (Notifier FTM-1).....	281.71	38.46
28 46 13 31-1501	EA		Wireless Monitor Module With Flashscan (Notifier FW-MM).....	432.93	38.46
28 46 13 31-1502	EA		Wireless Relay Module With Flashscan (Notifier FW-RM).....	498.42	38.46
28 46 13 31-1503	EA		Wireless Sync Module (Notifier W-SYNC).....	475.16	38.46
28 46 13 31-1504			DH Series Door Releases (28 46 13 31-0973)		
28 46 13 31-1505	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	243.66	57.68
28 46 13 31-1506	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	258.24	57.68
28 46 13 31-1507	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	271.94	57.68
28 46 13 31-1508	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	268.36	57.68
28 46 13 31-1509	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	280.27	57.68
28 46 13 31-1510	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	290.39	57.68
28 46 13 31-1511	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	243.66	57.68
28 46 13 31-1512	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	256.46	57.68
28 46 13 31-1513	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	271.94	57.68
28 46 13 31-1514	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	304.68	57.68
28 46 13 31-1515	EA		Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	323.73	57.68
28 46 13 31-1516	EA		Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	345.76	57.68
28 46 13 31-1517	EA		Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	351.12	57.68
28 46 13 31-1518	EA		Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	373.74	57.68
28 46 13 31-1519	EA		Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	401.13	57.68
28 46 13 31-1520	EA		0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	28.43	7.69
28 46 13 31-1521	EA		0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	28.43	7.69
28 46 13 31-1522	EA		0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	30.87	7.69
28 46 13 31-1523	EA		1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	28.43	7.69
28 46 13 31-1524	EA		1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	28.43	7.69
28 46 13 31-1525	EA		1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	30.87	7.69
28 46 13 31-1526	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	29.68	7.69
28 46 13 31-1527	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	29.68	7.69
28 46 13 31-1528	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	30.87	7.69
28 46 13 31-1529	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	32.24	7.69
28 46 13 31-1530	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	32.24	7.69
28 46 13 31-1531	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	32.24	7.69
28 46 13 31-1532	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	33.49	7.69
28 46 13 31-1533	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	33.49	7.69
28 46 13 31-1534	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	33.49	7.69
28 46 13 31-1535	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	34.86	7.69
28 46 13 31-1536	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	34.86	7.69
28 46 13 31-1537	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	36.11	7.69
28 46 13 31-1538	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	36.11	7.69
28 46 13 31-1539	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	37.48	7.69
28 46 13 31-1540	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	41.35	7.69
28 46 13 31-1541	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	40.04	7.69
28 46 13 31-1542	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	38.73	7.69
28 46 13 31-1543	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	41.35	7.69
28 46 13 31-1544	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	39.92	11.54
28 46 13 31-1545	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	41.17	11.54
28 46 13 31-1546	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	45.16	11.54
28 46 13 31-1547	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	71.06	11.54
28 46 13 31-1548	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	74.87	11.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1549 EA Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	78.68	11.54
28 46 13 31-1550 EA Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC).....	68.23	19.22
28 46 13 31-1551 EA Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB).....	70.85	19.22
28 46 13 31-1552 EA Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBB).....	76.09	19.22
28 46 13 31-1553 EA Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	367.93	
28 46 13 31-1554 First Command <small>(28 46 13 31-0973)</small>		
28 46 13 31-1555 EA Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	7,433.09	961.39
28 46 13 31-1556 EA Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	7,498.92	961.39
28 46 13 31-1557 EA Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,908.33	76.91
28 46 13 31-1558 EA Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,957.70	76.91
28 46 13 31-1559 EA Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	3,445.38	76.91
28 46 13 31-1560 EA Black, 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	3,555.10	76.91
28 46 13 31-1561 EA 50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	920.31	38.46
28 46 13 31-1562 EA 50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	920.31	38.46
28 46 13 31-1563 EA Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	557.95	38.46
28 46 13 31-1564 EA Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	723.11	38.46
28 46 13 31-1565 EA Standalone Firefighter Telephone System (Notifier NFC-FFT)..... Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	2,562.21	76.91
28 46 13 31-1566 EA Local Operator Console (Notifier NFC-LOC)..... Note: Includes built-in microphone, message and zone control switches, black.	2,509.55	76.91
28 46 13 31-1567 EA Black, Remote Microphone (Notifier NFC-RM).....	717.54	
28 46 13 31-1568 EA Remote Page Unit (Notifier NFC-RPU)..... Note: Includes built-in microphone, message control switches, black.	2,131.05	76.91
28 46 13 31-1569 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	425.79	38.46
28 46 13 31-1570 EA Firefighters Phone Jack (Notifier N-FPJ).....	192.74	11.54
28 46 13 31-1571 EA Thumbatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH).....	55.93	11.54
28 46 13 31-1572 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	176.23	23.07
28 46 13 31-1573 LED Displays <small>(28 46 13 31-0973)</small>		
28 46 13 31-1574 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,970.54	46.15
28 46 13 31-1575 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	2,768.18	61.53
28 46 13 31-1576 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	2,800.00	61.53
28 46 13 31-1577 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	2,690.29	61.53
28 46 13 31-1578 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	3,754.48	61.53
28 46 13 31-1579 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	2,854.85	61.53
28 46 13 31-1580 Control Relays <small>(28 46 13 31-0973)</small>		
28 46 13 31-1581 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	89.30	19.22
28 46 13 31-1582 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	69.18	19.22
28 46 13 31-1583 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	240.63	38.46
28 46 13 31-1584 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	134.01	19.22
28 46 13 31-1585 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	158.72	19.22
28 46 13 31-1586 EA 24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	247.18	38.46
28 46 13 31-1587 EA 120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	247.18	38.46
28 46 13 31-1588 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	131.68	38.46
28 46 13 31-1589 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	74.42	19.22
28 46 13 31-1590 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	262.06	38.46
28 46 13 31-1591 EA 24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	98.58	38.46
28 46 13 31-1592 EA 12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	98.58	38.46
28 46 13 31-1593 EA 9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	98.58	38.46
28 46 13 31-1594 Gamewell-FCI Fire Control Instruments <small>(28 46 13 31-0973)</small>		
28 46 13 31-1595 7100 Series And NetSOLO® <small>(28 46 13 31-1594)</small>		
28 46 13 31-1596 7100 Compact Analog Addressable Fire Alarm Control Panels <small>(28 46 13 31-1595)</small>		
28 46 13 31-1597 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	1,321.15	461.46
28 46 13 31-1598 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	5,517.98	769.11
28 46 13 31-1599 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	5,981.48	769.11
28 46 13 31-1600 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	5,517.98	769.11
28 46 13 31-1601 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	5,981.48	769.11
28 46 13 31-1602 EA Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	1,581.86	
28 46 13 31-1603 EA Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,891.95	
28 46 13 31-1604 EA Analog Loop Unit (Gamewell-FCI ALU).....	1,891.95	76.91
28 46 13 31-1605 NetSOLO® Intelligent Network <small>(28 46 13 31-1595)</small>		
28 46 13 31-1606 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)..... Note: Mounted in 7100 panel.	2,095.96	76.91

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1607 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)..... Note: Mounted in 7100 panel.	1,669.99	76.91
28 46 13 31-1608 Components And Accessories <small>(28 46 13 31-1595)</small>		
28 46 13 31-1609 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	1,039.10	57.68
28 46 13 31-1610 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100).....	800.11	76.91
28 46 13 31-1611 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	1,448.04	76.91
28 46 13 31-1612 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	597.74	76.91
28 46 13 31-1613 EA Enclosure Box (Gamewell-FCI EN-7100).....	514.92	153.82
28 46 13 31-1614 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	1,500.06	38.46
28 46 13 31-1615 E3 Series® Basic System <small>(28 46 13 31-1594)</small>		
28 46 13 31-1616 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	1,417.84	76.91
28 46 13 31-1617 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	1,225.93	76.91
28 46 13 31-1618 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3).....	1,417.84	76.91
28 46 13 31-1619 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	1,225.93	76.91
28 46 13 31-1620 EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	894.83	76.91
28 46 13 31-1621 EA Power Supply Module (Gamewell-FCI PM-9).....	1,164.47	76.91
28 46 13 31-1622 EA Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX).....	984.14	76.91
28 46 13 31-1623 EA Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A).....	961.86	38.46
28 46 13 31-1624 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	569.64	76.91
28 46 13 31-1625 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	1,486.60	76.91
28 46 13 31-1626 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	1,249.35	76.91
28 46 13 31-1627 EA Local Operating Console (Gamewell-FCI 1100-0455).....	835.93	57.68
28 46 13 31-1628 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	2,655.10	57.68
28 46 13 31-1629 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	1,070.35	76.91
28 46 13 31-1630 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	3,213.54	76.91
28 46 13 31-1631 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	784.43	153.82
28 46 13 31-1632 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	590.01	153.82
28 46 13 31-1633 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	130.91	38.46
28 46 13 31-1634 EA Programmable Switch Module (Gamewell-FCI ASM-16).....	757.56	76.91
28 46 13 31-1635 EA LED Driver module (Gamewell-FCI ANU-48).....	757.56	76.91
28 46 13 31-1636 EA Network Graphic Annunciator (Gamewell-FCI NGA).....	2,229.13	57.68
28 46 13 31-1637 Addressable Devices, Module, Pulls And Accessories <small>(28 46 13 31-1594)</small>		
28 46 13 31-1638 Velociti® Series Sensors And Bases <small>(28 46 13 31-1637)</small>		
28 46 13 31-1639 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	249.19	57.68
28 46 13 31-1640 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	254.08	57.68
28 46 13 31-1641 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	268.77	57.68
28 46 13 31-1642 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	210.02	57.68
28 46 13 31-1643 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	218.18	57.68
28 46 13 31-1644 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	210.02	57.68
28 46 13 31-1645 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	303.05	57.68
28 46 13 31-1646 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	645.78	57.68
28 46 13 31-1647 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF).....	559.49	96.14
28 46 13 31-1648 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	624.77	96.14
28 46 13 31-1649 EA Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB).....	317.95	
28 46 13 31-1650 EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	64.57	19.22
28 46 13 31-1651 EA Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F).....	694.74	57.68
28 46 13 31-1652 EA Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	140.46	19.22
28 46 13 31-1653 EA Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	2,434.00	115.36
28 46 13 31-1654 Velociti® Series Modules And Pull Station <small>(28 46 13 31-1637)</small>		
28 46 13 31-1655 EA Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F).....	180.55	38.46
28 46 13 31-1656 EA Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	284.18	38.46
28 46 13 31-1657 EA Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F).....	196.87	38.46
28 46 13 31-1658 EA Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF).....	272.76	38.46
28 46 13 31-1659 EA Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	229.51	38.46
28 46 13 31-1660 EA Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	237.67	38.46
28 46 13 31-1661 EA Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF).....	339.06	76.91
28 46 13 31-1662 EA Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF).....	245.01	38.46
28 46 13 31-1663 EA Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	39.87	7.69
28 46 13 31-1664 Components And Accessories <small>(28 46 13 31-1637)</small>		
28 46 13 31-1665 EA Remote LED Annunciator Alarm (Gamewell-FCI RA400Z)..... Note: Mounts on single gang box.	102.33	30.76
28 46 13 31-1666 EA Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	51.16	15.39
28 46 13 31-1667 EA >2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	54.42	15.39
28 46 13 31-1668 EA >4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	65.39	19.22
28 46 13 31-1669 EA >8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	103.27	23.07
28 46 13 31-1670 EA Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451)..... Note: Mounts on single gang box.	152.92	30.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1671	Fixed And Rate of Rise Heat Detectors (28 46 13 31-1637)	
28 46 13 31-1672 EA 135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	143.10	57.68
28 46 13 31-1673 EA 194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	143.10	57.68
28 46 13 31-1674 EA 135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	143.58	57.68
28 46 13 31-1675 EA 194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	143.58	57.68
28 46 13 31-1676	NAC Expander/Power Supply (28 46 13 31-1637)	
28 46 13 31-1677 EA FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	2,405.66	615.28
28 46 13 31-1678 EA 6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	2,095.57	615.28
28 46 13 31-1679 EA 9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	2,250.61	615.28
28 46 13 31-1680	Batteries And Accessories (28 46 13 31-1594)	
28 46 13 31-1681 EA B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	357.62	38.46
28 46 13 31-1682 EA B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	889.67	38.46
28 46 13 31-1683 EA B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	194.42	38.46
28 46 13 31-1684 EA BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	449.22	76.91
28 46 13 31-1685 EA BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	449.22	76.91
28 46 13 31-1686 EA 12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	401.89	76.91
28 46 13 31-1687	Electronic Door Holders (28 46 13 31-1594)	
Note: Rixson products.		
28 46 13 31-1688 EA XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	63.37	7.69
28 46 13 31-1689 EA FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	507.05	57.68
28 46 13 31-1690 EA FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	684.95	57.68
28 46 13 31-1691 EA FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	329.81	57.68
28 46 13 31-1692 EA FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	315.12	57.68
28 46 13 31-1693 EA FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	329.81	57.68
28 46 13 31-1694 EA FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	329.16	57.68
28 46 13 31-1695	Fire Alarm Programming (28 46 13 31-1594)	
Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1696 EA Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1697 EA Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1698 EA Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1699	Fire-Lite Fire Alarm (28 46 13 31-0972)	
28 46 13 31-1700	Addressable Control Panels (28 46 13 31-1699)	
28 46 13 31-1701 EA 25 Point Intelligent Control (Fire Lite MS-25)	2,477.35	769.11
28 46 13 31-1702 EA 50 Point Intelligent Control (Fire Lite MS-9050UD)	2,705.85	769.11
28 46 13 31-1703 EA 198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,827.14	769.11
28 46 13 31-1704 EA 636-Point Intelligent Control (Fire Lite MS-9600LS)	5,598.28	769.11
28 46 13 31-1705 EA 636-Point Intelligent Control (Fire Lite MS-9600UDLS)	5,380.26	769.11
28 46 13 31-1706 EA IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	683.92	
28 46 13 31-1707	Silent Knight Fire Alarm (28 46 13 31-0972)	
28 46 13 31-1708 EA Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,881.31	384.55
28 46 13 31-1709 EA Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,450.06	230.73
28 46 13 31-1710 EA 50 Watt Amplifier (Silent Knight EVS-50W)	1,717.01	153.82
28 46 13 31-1711 EA 125 Watt Amplifier (Silent Knight EVS-125W)	3,041.96	153.82
28 46 13 31-1712 EA Voice Evacuation System (Silent Knight SKE-450)	2,910.64	153.82
28 46 13 31-1713 EA Fire Fighters Telephone (Silent Knight SK-FFT)	2,418.18	153.82
28 46 13 31-1714 EA Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,485.22	230.73
28 46 13 31-1715 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,845.98	153.82
28 46 13 31-1716 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,415.81	153.82
28 46 13 31-1717 EA Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,223.59	153.82
28 46 13 31-1718 EA Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	391.51	57.68
28 46 13 31-1719 EA Photoelectric Detector (Silent Knight SK-PHOTO)	226.53	57.68
28 46 13 31-1720 EA Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	238.01	57.68
28 46 13 31-1721 EA Ionization Smoke Detector (Silent Knight SK-ION)	239.30	57.68
28 46 13 31-1722 EA 135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	209.62	57.68
28 46 13 31-1723 EA 190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	220.11	57.68
28 46 13 31-1724 EA 135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	223.97	57.68
28 46 13 31-1725 EA Sounder Base (Silent Knight B200SR)	132.98	19.22
28 46 13 31-1726 EA Intelligent Sounder Base (Silent Knight B200S)	140.66	19.22
28 46 13 31-1727 EA Isolator Base (Silent Knight B224BI)	111.30	19.22
28 46 13 31-1728 EA Relay Base (Silent Knight B224RB)	112.55	19.22

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1729 EA Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	243.31	57.68
28 46 13 31-1730 EA Photoelectric Duct Detector (Silent Knight SK-DUCT).....	386.71	57.68
28 46 13 31-1731 EA Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	1,344.15	57.68
28 46 13 31-1732 EA Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	1,534.09	57.68
28 46 13 31-1733 EA Dual Monitor Module (Silent Knight SK-MONITOR-2)	287.60	57.68
28 46 13 31-1734 EA Supervised Control Module (Silent Knight SK-CONTROL).....	240.84	57.68
28 46 13 31-1735 EA Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	794.51	76.91
28 46 13 31-1736 EA Relay Control Module (Silent Knight SK-RELAY)	204.86	38.46
28 46 13 31-1737 EA Six Relay Control Module (Silent Knight SK-RELAY-6).....	768.39	76.91
28 46 13 31-1738 EA Zone Interface Module (Silent Knight SK-ZONE).....	245.76	57.68
28 46 13 31-1739 EA Six Zone Interface Module (Silent Knight SK-ZONE-6).....	917.89	76.91
28 46 13 31-1740 EA Monitor Module (Silent Knight SK-MONITOR).....	212.45	57.68
28 46 13 31-1741 EA 10 Input Monitor Module (Silent Knight SK-MON-10)	889.43	76.91
28 46 13 31-1742 EA Monitor Module (Silent Knight SK-MINIMON).....	198.42	57.68
28 46 13 31-1743 EA Fault Isolator Module (Silent Knight SK-ISO).....	220.11	57.68
28 46 13 31-1744 EA Addressable Heat Sensor (Silent Knight SD505-AHS).....	216.30	57.68
28 46 13 31-1745 EA Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	234.40	57.68
28 46 13 31-1746 EA Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	220.11	57.68
28 46 13 31-1747 EA 6" Addressable Sounder Base (Silent Knight SD505-6SB).....	162.40	19.22
28 46 13 31-1748 EA 6" Addressable Relay Base (Silent Knight SD505-6RB).....	153.43	19.22
28 46 13 31-1749 EA 6" Isolator Base (Silent Knight SD505-6IB).....	139.40	19.22
28 46 13 31-1750 EA Addressable Input Module (Silent Knight SD500-AIM)	218.85	57.68
28 46 13 31-1751 EA Addressable Notification Module (Silent Knight SD500-ANM).....	267.91	57.68
28 46 13 31-1752 EA Addressable Relay Module (Silent Knight SD500-ARM).....	240.84	57.68
28 46 13 31-1753 EA SLC Annunciator Driver Module (Silent Knight SD500-LED).....	921.25	115.36
28 46 13 31-1754 EA Loop Isolation Module (Silent Knight SD500-LIM)	227.78	57.68
28 46 13 31-1755 EA Addressable Mini Input Module (Silent Knight SD500-MIM).....	177.85	38.46
28 46 13 31-1756 EA Single Action Addressable Pull Station (Silent Knight SD500-PS).....	227.01	38.46
28 46 13 31-1757 EA Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	217.16	38.46
28 46 13 31-1758 EA Back Box (Silent Knight SK-PSSMBB)	102.73	30.76
28 46 13 31-1759 EA Smoke Detector Module (Silent Knight SD500-SDM).....	253.14	57.68
28 46 13 31-1760 EA Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	61.82	19.22
28 46 13 31-1761 EA Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	61.82	19.22
28 46 13 31-1762 EA Addressable Duct Housing (Silent Knight SD505-DUCT).....	403.53	57.68
28 46 13 31-1763 EA Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR).....	521.20	57.68
28 46 13 31-1764 EA Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	225.23	57.68
28 46 13 31-1765 EA Intelligent Power Module (Silent Knight 5895XL).....	1,325.63	153.82
28 46 13 31-1766 EA Addressable Power Supply (Silent Knight 5496)	925.99	115.36
28 46 13 31-1767 EA Relay Interface Board (Silent Knight 5883).....	353.06	38.46
28 46 13 31-1768 EA Remote LED Annunciator (Silent Knight 5865-3).....	725.68	76.91
28 46 13 31-1769 EA Remote LED Annunciator (Silent Knight 5865-4).....	820.13	76.91
28 46 13 31-1770 EA Remote LCD Annunciator (Silent Knight SK-5860).....	785.98	115.36
28 46 13 31-1771 EA Serial/Parallel Printer Interface (Silent Knight 5824).....	501.96	38.46
28 46 13 31-1772 EA LED Input/Output Module (Silent Knight / IntelliKnight 5880).....	592.30	57.68
28 46 13 31-1773 EA Addressable Pull Station (Silent Knight SK-Pull-DA/SA).....	217.16	38.46
28 46 13 31-1774 EA Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	752.76	115.36
28 46 13 31-1775 EA Communicator (Silent Knight IPGSM-4G).....	1,093.66	76.91
28 46 13 31-1776 EA Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,735.77	153.82
28 46 13 31-1777 EA 10 Zone Expander (Silent Knight SK-5217)	485.16	38.46
28 46 13 31-1778 EA Remote Annunciator (Silent Knight SK-5235).....	494.81	76.91
28 46 13 31-1779 EA Status Display Module (Silent Knight 5280).....	147.19	38.46
28 46 13 31-1780 EA Serial/Parallel Module (Silent Knight 5824).....	578.87	76.91
28 46 13 31-1781 EA Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	1,002.91	153.82
28 46 13 31-1782 EA Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E).....	1,021.89	153.82
28 46 13 31-1783 EA Dress Panel (Silent Knight SK-DP2/4).....	191.88	38.46
28 46 13 31-1784 EA Class A Converter (Silent Knight SK-CAC4).....	489.98	57.68
28 46 13 31-1785 EA Transmitter Module (Silent Knight SK-4XTM).....	265.46	57.68
28 46 13 31-1786 EA LED Interface Module (Silent Knight SK-4XLM).....	245.76	57.68
28 46 13 31-1787 EA 110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	246.68	38.46
28 46 13 31-1788 EA Remote Annunciator (Silent Knight SK-RZA4).....	245.76	57.68
28 46 13 31-1789 EA Zone Relay Module (Silent Knight SK-4XZM).....	262.98	57.68
28 46 13 31-1790 EA Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	872.39	153.82
28 46 13 31-1791 EA Remote Battery Box Accessory Cabinet (Silent Knight RBB)	217.16	38.46
28 46 13 31-1792 EA Manual Pull Station (single action) (Silent Knight PS-SATK)	124.55	38.46
28 46 13 31-1793 EA Manual Pull Station (dual action) (Silent Knight PS-DATK)	134.06	38.46
28 46 13 31-1794 EA Manual Pull Station (dual action) (Silent Knight PS-DA).....	131.39	38.46
28 46 13 31-1795 EA Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	118.35	38.46
28 46 13 31-1796 EA Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	254.68	46.15
28 46 13 31-1797 EA 6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	871.42	115.36
28 46 13 31-1798 EA 9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	975.83	115.36
28 46 13 31-1799 EA Detector (Silent Knight IDP-PhotoR).....	314.51	57.68
28 46 13 31-1800 EA Monitoring Module (Silent Knight IDP).....	314.69	57.68
28 46 13 31-1801 EA Cabinet (Silent Knight SK-5207).....	440.36	115.36
28 46 13 31-1802 EA Innovair IDP-Product (Silent Knight Innovair IDP-Pduct)	600.99	38.46
28 46 13 31-1803 EA I/O Input-Output Module (Silent Knight SK-2880).....	810.61	38.46
28 46 13 31-1804 EA Remote Annunciator (Silent Knight RA-2000).....	2,327.03	115.36
28 46 13 31-1805 EA Power Supply (Silent Knight 5195/96).....	1,439.51	38.46
28 46 13 31-1806 EA 8 Zone Expander (Silent Knight SK-5210).....	1,125.06	38.46
28 46 13 31-1807 EA LCD Remote Annunciator (Silent Knight SK-5230).....	470.79	76.91
28 46 13 31-1808 EA Ionization Smoke Detector (Silent Knight SK-ION).....	239.30	57.68
28 46 13 31-1809 EA Addressable Relay Module (Silent Knight IDP-Relay)	272.58	57.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1810 EA Telephone Line Monitor (Silent Knight SK-7150).....	171.24	38.46
28 46 13 31-1811 EA Serial Driver Board (Silent Knight SK-2884).....	309.60	38.46
28 46 13 31-1812 EA Smoke Detector Base (Silent Knight IDP-6AB).....	90.87	19.22
28 46 13 31-1813 EA Mini Input Module (Silent Knight IDP-MINIMON).....	234.13	38.46
28 46 13 31-1814 EA Status Display Module (Silent Knight SK-4180).....	831.58	38.46
28 46 13 31-1815 EA 8-Channel Digital Communicator (Silent Knight SK-1420).....	496.17	38.46
28 46 13 31-1816 EA Serial Parallel Module (Silent Knight SK-4824).....	454.24	38.46
28 46 13 31-1817 EA Power Supply (Silent Knight SK-5197 / SK-5198).....	1,649.13	38.46
28 46 13 31-1818 EA 4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	2,823.21	153.82
28 46 13 31-1819 EA Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	324.99	57.68
28 46 13 31-1820 EA Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo).....	272.58	57.68
28 46 13 31-1821 EA Fire Slave Communicator Dialer (Silent Knight SK-5128).....	534.03	38.46
28 46 13 31-1822 EA Intelligent Power Module (with cabinet) (Silent Knight SK-5496).....	925.99	115.36
28 46 13 31-1823	Alerton Fire Alarm <small>(28 46 13 31)</small>	
28 46 13 31-1824 EA UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	644.62	11.54
28 46 13 31-1825	Cooper Fire Alarm <small>(28 46 13 31)</small>	
28 46 13 31-1826 EA Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R).....	223.37	38.46
28 46 13 31-1827 EA Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	4,553.39	65.37
28 46 13 31-1828 EA Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	5,999.22	65.37
28 46 13 31-1829 EA Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	2,205.30	76.91
28 46 13 31-1830 EA Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	2,218.15	76.91
28 46 13 31-1831 EA Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	2,218.15	76.91
28 46 13 31-1832 EA Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,649.45	76.91
28 46 13 31-1833 EA Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,649.45	76.91
28 46 13 31-1834 EA Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,649.45	76.91
28 46 13 31-1835 EA Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	2,218.15	76.91
28 46 13 31-1836 EA Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	2,218.15	76.91
28 46 13 31-1837 EA Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	2,218.15	76.91
28 46 13 31-1838 EA Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	2,218.15	76.91
28 46 13 31-1839 EA Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	2,218.15	76.91
28 46 13 31-1840 EA Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	2,550.69	76.91
28 46 13 31-1841 EA Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	2,370.76	76.91
28 46 13 31-1842 EA Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	2,370.76	76.91
28 46 13 31-1843 EA Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	2,370.76	76.91
28 46 13 31-1844	Light Engineered Displays Message Boards <small>(28 46 13 31)</small>	
28 46 13 31-1845 EA Two Message Sign, Announcement And Evacuate (LED SP-2/MNS).....	951.29	46.15
28 46 13 31-1846 EA Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4).....	840.72	46.15
28 46 13 31-1847	Safety Technology International Fire Alarm <small>(28 46 13 31)</small>	
28 46 13 31-1848	Enclosures <small>(28 46 13 31-1847)</small>	
28 46 13 31-1849 EA 6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O).....	175.96	23.07
28 46 13 31-1850 EA 6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W).....	228.11	23.07
28 46 13 31-1851 EA 8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O).....	179.43	23.07
28 46 13 31-1852 EA 8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W).....	229.27	23.07
28 46 13 31-1853 EA 8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O).....	184.07	23.07
28 46 13 31-1854 EA 8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W).....	264.04	23.07
28 46 13 31-1855 EA 10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O).....	192.18	23.07
28 46 13 31-1856 EA 10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W).....	262.88	23.07
28 46 13 31-1857 EA 12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O).....	206.09	23.07
28 46 13 31-1858 EA 12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W).....	284.90	23.07
28 46 13 31-1859 EA 14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O).....	244.34	23.07
28 46 13 31-1860 EA 14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W).....	368.35	23.07
28 46 13 31-1861 EA 14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O).....	262.88	23.07
28 46 13 31-1862 EA 14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W).....	463.39	23.07
28 46 13 31-1863 EA 16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O).....	279.11	23.07
28 46 13 31-1864 EA 16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W).....	477.29	23.07
28 46 13 31-1865 EA 18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O).....	331.26	23.07
28 46 13 31-1866 EA 18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W).....	490.04	23.07
28 46 13 31-1867 EA 20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O).....	477.29	23.07

28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-1868	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W).....	706.77	23.07
28 46	13 31-1869	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	131.92	23.07
28 46	13 31-1870	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	143.51	23.07
28 46	13 31-1871	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	137.13	23.07
28 46	13 31-1872	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T).....	146.98	23.07
28 46	13 31-1873	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	141.77	23.07
28 46	13 31-1874	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	153.36	23.07
28 46	13 31-1875	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	143.51	23.07
28 46	13 31-1876	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T).....	167.26	23.07
28 46	13 31-1877	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	150.46	23.07
28 46	13 31-1878	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T).....	171.90	23.07
28 46	13 31-1879	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	156.83	23.07
28 46	13 31-1880	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T).....	174.80	23.07
28 46	13 31-1881	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	158.57	23.07
28 46	13 31-1882	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T).....	180.59	23.07
28 46	13 31-1883	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	185.23	23.07
28 46	13 31-1884	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T).....	229.27	23.07
28 46	13 31-1885	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	203.77	23.07
28 46	13 31-1886	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T).....	273.31	23.07
28 46	13 31-1887	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	225.79	23.07
28 46	13 31-1888	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T).....	293.01	23.07
28 46	13 31-1889	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	255.93	23.07
28 46	13 31-1890	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T).....	342.85	23.07
28 46	13 31-1891	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	405.44	23.07
28 46	13 31-1892	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T).....	423.98	23.07
28 46	13 31-1893	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	609.42	23.07
28 46	13 31-1894	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T).....	705.62	23.07
28 46	13 31-1895		STI® Fire Alarm Devices <small>(28 46 13 31-1847)</small>		
28 46	13 31-1896	EA	Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100).....	210.15	23.07
			Note: Includes 9 Volt DC self contained battery.		
28 46	13 31-1897	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	229.27	23.07
28 46	13 31-1898	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	135.68	23.07
28 46	13 31-1899	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)	136.84	23.07
			Note: For surface mounted horn strobes.		
28 46	13 31-1900	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	121.77	23.07
28 46	13 31-1901	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	136.84	23.07
			Note: For surface mounted strobe.		
28 46	13 31-1902	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	110.47	23.07
28 46	13 31-1903	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	258.25	23.07
28 46	13 31-1904	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	172.48	23.07
			Note: For surface mounted pull stations.		
28 46	13 31-1905	EA	Backplate For Polycarbonate Cover (STI-1280)	82.77	23.07
28 46	13 31-1906	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	60.06	23.07
28 46	13 31-1907	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100).....	84.05	23.07
28 46	13 31-1908	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	192.76	23.07
28 46	13 31-1909	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	159.73	23.07
28 46	13 31-1910	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	118.01	23.07
28 46	13 31-1911	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	111.63	23.07
28 46	13 31-1912	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	107.87	23.07
28 46	13 31-1913	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	111.63	23.07
28 46	13 31-1914	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	107.87	23.07
28 46	13 31-1915	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609).....	111.63	23.07
28 46	13 31-1916	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	107.87	23.07
28 46	13 31-1917	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	211.31	23.07
28 46	13 31-1918	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	100.27	23.07
28 46	13 31-1919	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	115.23	23.07
28 46	13 31-1920	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	152.20	23.07
28 46	13 31-1921	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	152.20	23.07
28 46	13 31-1922	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	110.47	23.07
28 46	13 31-1923	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	110.47	23.07
28 46	13 31-1924	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	100.27	23.07
28 46	13 31-1925	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	110.47	23.07
28 46	13 31-1926	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	110.47	23.07
28 46	13 31-1927	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	133.52	11.54
28 46	13 31-1928	EA	Gasket Kit For STI Covers (STI SUB-121).....	58.04	
28 46	13 31-1929	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT).....	273.31	23.07
28 46	13 31-1930	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV).....	149.88	23.07
28 46	13 31-1931	EA	No Cover, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2400EM).....	149.88	23.07
28 46	13 31-1932	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM).....	273.31	23.07
28 46	13 31-1933	EA	Flush Mounted, Weather Stopper II (STI-1250).....	161.18	23.07
28 46	13 31-1934	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC).....	107.87	23.07
28 46	13 31-1935	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR).....	183.49	23.07
28 46	13 31-1936	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	129.60	23.07
28 46	13 31-1937	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	141.19	23.07
28 46	13 31-1938	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW).....	153.36	23.07
28 46	13 31-1939	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	153.36	23.07
28 46	13 31-1940	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	204.93	23.07
28 46	13 31-1941	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	216.52	23.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1942 EA Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	257.09	23.07
28 46 13 31-1943 EA Stopper II, Weather Gasket (STI-3002)	58.84	23.07
28 46 13 31-1944 EA Large, Break Glass Stopper (STI-4100)	152.20	23.07
28 46 13 31-1945 EA Stopper "G" Standard Break Glass Cover (STI-6100)	146.98	23.07
28 46 13 31-1946 EA Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A).....	142.06	23.07
28 46 13 31-1947 EA Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530).....	375.30	23.07
28 46 13 31-1948 EA Heated, Metal, Protective Cabinet (STI-7560AH)	5,215.25	23.07
28 46 13 31-1949 EA Stainless Steel Guard (STI-9604SS)	102.94	23.07
28 46 13 31-1950 EA 5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	92.80	23.07
28 46 13 31-1951 System Sensor Fire Alarm (28 46 13 31)		
28 46 13 31-1952 Smoke Detectors (28 46 13 31-1951)		
28 46 13 31-1953 EA Beam Detector Heater Kit (System Sensor BEAMHK)	68.38	7.69
28 46 13 31-1954 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	280.92	7.69
Note: Four used with long range kit.		
28 46 13 31-1955 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	361.00	76.91
28 46 13 31-1956 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	269.91	76.91
28 46 13 31-1957 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	223.48	76.91
28 46 13 31-1958 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	204.76	57.68
28 46 13 31-1959 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B).....	201.98	57.68
28 46 13 31-1960 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	214.39	57.68
28 46 13 31-1961 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	207.86	57.68
28 46 13 31-1962 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B).....	213.89	57.68
28 46 13 31-1963 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	219.21	57.68
28 46 13 31-1964 EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	288.86	57.68
28 46 13 31-1965 EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	170.09	38.46
28 46 13 31-1966 EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T).....	192.58	38.46
Note: Requires B100 series base.		
28 46 13 31-1967 EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	326.61	19.22
28 46 13 31-1968 EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK).....	114.96	19.22
28 46 13 31-1969 EA Four Wire, Low Profile, Plug In Detector (System Sensor 2D51).....	227.57	57.68
28 46 13 31-1970 Duct Smoke Detectors (28 46 13 31-1951)		
28 46 13 31-1971 EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	427.32	57.68
28 46 13 31-1972 EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	423.75	57.68
28 46 13 31-1973 EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	553.45	65.37
28 46 13 31-1974 EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	279.33	38.46
28 46 13 31-1975 EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	76.06	11.54
28 46 13 31-1976 EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	238.94	30.76
28 46 13 31-1977 EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	385.30	38.46
28 46 13 31-1978 EA 1' Steel Sampling Tube (System Sensor DST1)	46.12	15.39
28 46 13 31-1979 EA 1.5' Steel Sampling Tube (System Sensor DST1.5)	50.17	15.39
28 46 13 31-1980 EA 3' Steel Sampling Tube (System Sensor DST3)	56.30	15.39
28 46 13 31-1981 EA 5' Steel Sampling Tube (System Sensor DST5)	66.66	19.22
28 46 13 31-1982 EA 10' Steel Sampling Tube (System Sensor DST10).....	105.57	23.07
28 46 13 31-1983 EA 1' Steel, Exhaust Tube Duct (System Sensor ETX).....	51.84	15.39
28 46 13 31-1984 EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151).....	114.66	19.22
28 46 13 31-1985 EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	238.74	
28 46 13 31-1986 EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	256.60	
28 46 13 31-1987 Heat Detectors (28 46 13 31-1951)		
28 46 13 31-1988 EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	144.24	57.68
28 46 13 31-1989 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	143.58	57.68
28 46 13 31-1990 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	164.77	57.68
28 46 13 31-1991 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	164.77	57.68
28 46 13 31-1992 EA Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623).....	172.99	57.68
28 46 13 31-1993 EA Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624).....	172.99	57.68
28 46 13 31-1994 Horns (28 46 13 31-1951)		
28 46 13 31-1995 EA Red, Mini Horn (System Sensor MHR).....	153.16	57.68
28 46 13 31-1996 EA White, Mini Horn (System Sensor MHW).....	153.16	57.68
28 46 13 31-1997 EA White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL).....	155.01	57.68
28 46 13 31-1998 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	193.02	65.37
28 46 13 31-1999 EA Red, Indoor, Wall Mounted, Horn (System Sensor HRL).....	155.01	57.68
28 46 13 31-2000 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	204.76	57.68
28 46 13 31-2001 EA White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL).....	155.61	57.68
28 46 13 31-2002 EA Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL).....	155.61	57.68
28 46 13 31-2003 Wall Mounted Horns/Strobes (28 46 13 31-1951)		
28 46 13 31-2004 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL).....	204.66	57.68

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2005	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	247.09	57.68
28 46 13 31-2006	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	297.45	65.37
28 46 13 31-2007	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	290.90	65.37
28 46 13 31-2008	EA	Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	303.70	65.37
28 46 13 31-2009	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK).....	296.55	65.37
28 46 13 31-2010	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	282.56	65.37
28 46 13 31-2011	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	246.04	57.68
28 46 13 31-2012	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P).....	200.50	57.68
28 46 13 31-2013	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL).....	204.66	57.68
28 46 13 31-2014	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH).....	248.70	57.68
28 46 13 31-2015	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	288.52	65.37
28 46 13 31-2016	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	290.90	65.37
28 46 13 31-2017	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	247.09	57.68
28 46 13 31-2018	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	305.49	65.37
28 46 13 31-2019	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	282.56	65.37
28 46 13 31-2020	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P).....	199.60	57.68
28 46 13 31-2021	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	242.17	57.68
28 46 13 31-2022	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	254.28	57.68
28 46 13 31-2023	EA	Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	293.05	65.37
28 46 13 31-2024	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	276.61	65.37
28 46 13 31-2025	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	242.17	57.68
28 46 13 31-2026	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4WHK).....	310.68	65.37
28 46 13 31-2027	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	291.49	65.37
28 46 13 31-2028	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF).....	293.96	57.68
28 46 13 31-2029	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF).....	293.96	57.68
28 46 13 31-2030	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL).....	204.07	57.68
28 46 13 31-2031	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL).....	204.07	57.68
28 46 13 31-2032		Ceiling Mounted Horns/Strobes (28 46 13 31-1951)		
28 46 13 31-2033	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	207.64	57.68
28 46 13 31-2034	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	250.30	57.68
28 46 13 31-2035	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	288.52	65.37
28 46 13 31-2036	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	280.78	65.37
28 46 13 31-2037	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	239.06	57.68
28 46 13 31-2038	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	207.64	57.68
28 46 13 31-2039	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	250.30	57.68
28 46 13 31-2040	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	288.52	65.37
28 46 13 31-2041	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	250.30	57.68
28 46 13 31-2042	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	280.78	65.37
28 46 13 31-2043	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	237.45	57.68
28 46 13 31-2044	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	243.66	57.68
28 46 13 31-2045	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	254.28	57.68



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2046	EA White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	243.66	57.68
28 46 13 31-2047	Wall Mounted Strobes <small>(28 46 13 31-1951)</small>		
28 46 13 31-2048	EA White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	91.92	19.22
28 46 13 31-2049	EA White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	172.12	19.22
28 46 13 31-2050	EA Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	186.50	57.68
28 46 13 31-2051	EA Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	218.52	57.68
28 46 13 31-2052	EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	264.17	65.37
28 46 13 31-2053	EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	261.42	65.37
28 46 13 31-2054	EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	261.13	65.37
28 46 13 31-2055	EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	231.96	65.37
28 46 13 31-2056	EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	185.02	57.68
28 46 13 31-2057	EA White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	185.91	57.68
28 46 13 31-2058	EA White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	199.90	57.68
28 46 13 31-2059	EA White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	226.21	57.68
28 46 13 31-2060	EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	235.85	57.68
28 46 13 31-2061	EA White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	234.24	57.68
28 46 13 31-2062	EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	234.24	57.68
28 46 13 31-2063	EA Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	264.70	65.37
28 46 13 31-2064	EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	262.02	65.37
28 46 13 31-2065	EA White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	264.11	65.37
28 46 13 31-2066	EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	254.45	65.37
28 46 13 31-2067	EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	259.64	65.37
28 46 13 31-2068	EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	260.83	65.37
28 46 13 31-2069	EA White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	184.72	57.68
28 46 13 31-2070	EA Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	31.76	7.69
28 46 13 31-2071	EA Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	31.76	7.69
28 46 13 31-2072	EA Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	31.76	7.69
28 46 13 31-2073	EA Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	31.76	7.69
28 46 13 31-2074	EA Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	188.89	57.68
28 46 13 31-2075	EA White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	185.61	57.68
28 46 13 31-2076	EA L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	31.76	7.69
28 46 13 31-2077	EA L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	31.76	7.69
28 46 13 31-2078	EA L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	31.76	7.69
28 46 13 31-2079	EA L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	31.76	7.69
28 46 13 31-2080	EA Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	265.19	57.68
28 46 13 31-2081	EA White, 8 Multi-tone, 12 VDC, 1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	265.19	57.68
28 46 13 31-2082	EA L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	265.89	65.37
28 46 13 31-2083	Ceiling Mounted Strobes <small>(28 46 13 31-1951)</small>		
28 46 13 31-2084	EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	189.78	57.68
28 46 13 31-2085	EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	221.27	57.68
28 46 13 31-2086	EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	264.17	65.37
28 46 13 31-2087	EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	264.17	65.37
28 46 13 31-2088	EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	189.78	57.68
28 46 13 31-2089	EA Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	201.69	57.68
28 46 13 31-2090	EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	239.06	57.68
28 46 13 31-2091	EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	262.02	65.37
28 46 13 31-2092	EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	259.64	65.37

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2093 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	214.96	57.68
28 46 13 31-2094 EA Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	31.76	7.69
28 46 13 31-2095 EA Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	31.76	7.69
28 46 13 31-2096 EA Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	31.76	7.69
28 46 13 31-2097 EA Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	31.76	7.69
28 46 13 31-2098 Wall Mounted Speakers (28 46 13 31-1951)		
28 46 13 31-2099 EA 24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	461.85	57.68
28 46 13 31-2100 EA Red, Wall Mounted Speaker (System Sensor SPRL).....	162.39	57.68
28 46 13 31-2101 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	249.31	57.68
28 46 13 31-2102 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	212.91	65.37
28 46 13 31-2103 EA Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	184.13	57.68
28 46 13 31-2104 EA White, Wall Mounted Speaker (System Sensor SPWL).....	162.39	57.68
28 46 13 31-2105 EA White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	263.51	65.37
28 46 13 31-2106 EA White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	180.73	57.68
28 46 13 31-2107 Ceiling Mounted Speakers (28 46 13 31-1951)		
28 46 13 31-2108 EA Red, Ceiling Mounted Speaker (System Sensor SPCRL).....	159.12	57.68
28 46 13 31-2109 EA Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	239.84	57.68
28 46 13 31-2110 EA Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	184.13	57.68
28 46 13 31-2111 EA White, Ceiling Mounted Speaker (System Sensor SPCWL).....	161.80	57.68
28 46 13 31-2112 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	195.68	57.68
28 46 13 31-2113 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	264.70	65.37
28 46 13 31-2114 Wall Mounted Speakers/Strobes (28 46 13 31-1951)		
28 46 13 31-2115 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	170.03	19.22
28 46 13 31-2116 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL).....	88.35	19.22
28 46 13 31-2117 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL).....	252.29	57.68
28 46 13 31-2118 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	270.78	57.68
28 46 13 31-2119 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	356.32	65.37
28 46 13 31-2120 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	356.39	65.37
28 46 13 31-2121 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	306.97	65.37
28 46 13 31-2122 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	249.61	57.68
28 46 13 31-2123 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	262.53	57.68
28 46 13 31-2124 EA White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	253.48	57.68
28 46 13 31-2125 EA White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	360.56	65.37
28 46 13 31-2126 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL).....	252.29	57.68
28 46 13 31-2127 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	296.89	57.68
28 46 13 31-2128 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	296.89	57.68
28 46 13 31-2129 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	372.46	65.37
28 46 13 31-2130 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	355.20	65.37
28 46 13 31-2131 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	248.42	57.68
28 46 13 31-2132 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	287.25	57.68
28 46 13 31-2133 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	287.25	57.68
28 46 13 31-2134 Ceiling Mounted Speakers/Strobes (28 46 13 31-1951)		
28 46 13 31-2135 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCL).....	236.22	57.68
28 46 13 31-2136 EA Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	273.54	57.68
28 46 13 31-2137 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	262.53	57.68
28 46 13 31-2138 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCL).....	236.22	57.68
28 46 13 31-2139 EA White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCL-CLR-ALERT).....	251.10	57.68
28 46 13 31-2140 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCLWH).....	296.89	57.68



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2141	EA			White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	374.25	65.37
28 46 13 31-2142	EA			White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	296.89	57.68
28 46 13 31-2143	EA			White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	361.15	65.37
28 46 13 31-2144	EA			White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	372.46	65.37
28 46 13 31-2145	EA			White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	236.22	57.68
28 46 13 31-2146	EA			White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	287.25	57.68
28 46 13 31-2147	EA			White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	296.89	57.68
28 46 13 31-2148	EA			White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	287.25	57.68
28 46 13 31-2149	EA			High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCR VH).....	296.66	57.68
28 46 13 31-2150 Electric Alarm Bells (28 46 13 31-1951)						
28 46 13 31-2151	EA			6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	197.22	57.68
28 46 13 31-2152	EA			8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	211.81	57.68
28 46 13 31-2153	EA			10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	227.88	57.68
28 46 13 31-2154	EA			6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	206.93	58.45
28 46 13 31-2155	EA			8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	209.05	58.45
28 46 13 31-2156	EA			10" 120 Volt AC Alarm Bell (System Sensor SSV120-10).....	222.43	58.45
28 46 13 31-2157 Device Bases (28 46 13 31-1951)						
28 46 13 31-2158	EA			High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	145.92	19.22
28 46 13 31-2159	EA			Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	141.46	19.22
28 46 13 31-2160	EA			Intelligent Isolator Base (System Sensor B224BI).....	117.34	19.22
28 46 13 31-2161	EA			Intelligent Relay Base (System Sensor B224RB).....	118.53	19.22
28 46 13 31-2162	EA			Flangeless, Intelligent Detector Base (System Sensor B501).....	75.61	19.22
28 46 13 31-2163	EA			High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV).....	145.92	19.22
28 46 13 31-2164	EA			Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV).....	141.46	19.22
28 46 13 31-2165	EA			Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF).....	208.73	19.22
28 46 13 31-2166	EA			Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV).....	208.73	19.22
28 46 13 31-2167	EA			Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH).....	202.18	19.22
28 46 13 31-2168	EA			Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH).....	150.59	19.22
28 46 13 31-2169	EA			High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH).....	138.78	19.22
28 46 13 31-2170	EA			Intelligent Isolator Base, Ivory (System Sensor B224BI-IV).....	117.34	19.22
28 46 13 31-2171	EA			Intelligent Isolator Base, White (System Sensor B224BI-WH).....	110.20	19.22
28 46 13 31-2172	EA			Intelligent Relay Base, Ivory (System Sensor B224RB-IV).....	118.53	19.22
28 46 13 31-2173	EA			Intelligent Relay Base, White (System Sensor B224RB-WH).....	111.69	19.22
28 46 13 31-2174	EA			Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL).....	75.61	19.22
28 46 13 31-2175	EA			Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV).....	75.61	19.22
28 46 13 31-2176	EA			Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE).....	67.87	19.22
28 46 13 31-2177	EA			Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF).....	212.30	19.22
28 46 13 31-2178	EA			Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV).....	212.30	19.22
28 46 13 31-2179	EA			Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH).....	204.56	19.22
28 46 13 31-2180	EA			6" Intelligent Flanged Mounting Base (System Sensor B300-6).....	60.79	19.22
28 46 13 31-2181	EA			6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV).....	68.23	19.22
28 46 13 31-2182	EA			Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP).....	64.97	19.22
28 46 13 31-2183	EA			Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP).....	124.06	23.07
28 46 13 31-2184 Boxes, Plates And Decals (28 46 13 31-1951)						
28 46 13 31-2185	EA			120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	68.47	19.22
28 46 13 31-2186	EA			Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	100.73	19.22
28 46 13 31-2187	EA			White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	109.31	19.22
28 46 13 31-2188	EA			White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	100.73	19.22
28 46 13 31-2189	EA			Red Retrofit Plate (System Sensor RFP).....	47.12	11.54
28 46 13 31-2190	EA			White Retrofit Plate (System Sensor RFPW).....	46.76	11.54
28 46 13 31-2191	EA			Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	85.85	19.22
28 46 13 31-2192	EA			Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	96.09	19.22
28 46 13 31-2193	EA			Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCL).....	69.18	19.22
28 46 13 31-2194	EA			White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCLW).....	69.18	19.22
28 46 13 31-2195	EA			Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL).....	60.49	19.22
28 46 13 31-2196	EA			Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL).....	67.04	19.22
28 46 13 31-2197	EA			White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL).....	67.04	19.22
28 46 13 31-2198	EA			White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL).....	60.49	19.22
28 46 13 31-2199	EA			Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	64.16	19.22
28 46 13 31-2200	EA			Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	60.79	19.22
28 46 13 31-2201	EA			Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	22.20	7.69

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

28 46 13 31-2202	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	32.00	
28 46 13 31-2203	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	44.22	
28 46 13 31-2204	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	32.00	
28 46 13 31-2205	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	44.22	
28 46 13 31-2206	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2).....	24.37	7.69
28 46 13 31-2207	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W).....	24.37	7.69
28 46 13 31-2208	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2).....	24.37	7.69
28 46 13 31-2209	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W).....	24.37	7.69
28 46 13 31-2210	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL).....	60.49	19.22
28 46 13 31-2211	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL).....	60.49	19.22
28 46 13 31-2212	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG).....	29.08	7.69
28 46 13 31-2213	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL).....	29.08	7.69
28 46 13 31-2214	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	29.08	7.69
28 46 13 31-2215	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F).....	29.08	7.69
28 46 13 31-2216	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG).....	29.08	7.69
28 46 13 31-2217	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL).....	29.08	7.69
28 46 13 31-2218	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV).....	29.08	7.69
28 46 13 31-2219	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F).....	29.08	7.69
28 46 13 31-2220	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P).....	29.08	7.69
28 46 13 31-2221	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P).....	29.08	7.69
28 46 13 31-2222	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	29.08	7.69
28 46 13 31-2223	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL).....	29.08	7.69
28 46 13 31-2224	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG).....	31.58	7.69
28 46 13 31-2225	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL).....	31.58	7.69
28 46 13 31-2226	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV).....	31.58	7.69
28 46 13 31-2227	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F).....	31.58	7.69
28 46 13 31-2228	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P).....	31.58	7.69
28 46 13 31-2229	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV).....	29.08	7.69
28 46 13 31-2230	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F).....	29.08	7.69
28 46 13 31-2231	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P).....	29.08	7.69
28 46 13 31-2232	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	29.08	7.69
28 46 13 31-2233	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG).....	29.08	7.69
28 46 13 31-2234	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL).....	29.08	7.69
28 46 13 31-2235	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG).....	31.58	7.69
28 46 13 31-2236	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL).....	31.58	7.69
28 46 13 31-2237	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV).....	31.58	7.69
28 46 13 31-2238	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F).....	31.58	7.69
28 46 13 31-2239	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P).....	31.58	7.69
28 46 13 31-2240	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV).....	29.08	7.69
28 46 13 31-2241	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F).....	29.08	7.69
28 46 13 31-2242	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01).....	5.30	
28 46 13 31-2243	EA	Control Module Barrier (System Sensor CB500).....	43.55	11.54
28 46 13 31-2244	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300).....	40.34	11.54
28 46 13 31-2245	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL).....	48.02	11.54
28 46 13 31-2246	EA	PTIR Color Kit, White (System Sensor CK-300-IR).....	170.72	11.54
		Note: Includes cover and trim ring		
28 46 13 31-2247	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL).....	246.33	11.54
		Note: Includes cover and trim ring		
28 46 13 31-2248	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV).....	246.33	11.54
		Note: Includes cover and trim ring		
28 46 13 31-2249	EA	Accessory Flange Ring For B210LP Base (System Sensor F210).....	33.61	11.54
		Note: Includes cover and trim ring		
28 46 13 31-2250	EA	Black Faceplate (System Sensor FP-BLACK-BP).....	32.74	11.54
28 46 13 31-2251	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP).....	33.19	11.54
28 46 13 31-2252	EA	White Faceplate (System Sensor FP-WHITE-BP).....	31.73	11.54
28 46 13 31-2253	EA	White, Back Box (System Sensor SMB500-WH).....	57.69	19.22
28 46 13 31-2254	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300).....	22.83	7.69
28 46 13 31-2255	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV).....	31.52	7.69
28 46 13 31-2256	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP).....	34.59	11.54
28 46 13 31-2257	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL).....	29.08	7.69
28 46 13 31-2258	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG).....	31.58	7.69
28 46 13 31-2259	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL).....	31.58	7.69
28 46 13 31-2260	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV).....	31.58	7.69
28 46 13 31-2261	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F).....	31.58	7.69
28 46 13 31-2262	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P).....	31.58	7.69
28 46 13 31-2263	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV).....	29.08	7.69
28 46 13 31-2264	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F).....	29.08	7.69
28 46 13 31-2265	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P).....	29.08	7.69
28 46 13 31-2266	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL).....	86.33	19.22
28 46 13 31-2267	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P).....	164.97	19.22

28 46 13 31-2268 Chimes (28 46 13 31-1951)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2269 EA Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	185.03	57.68
28 46 13 31-2270 EA White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	190.97	57.68
28 46 13 31-2271 Chime/Strobes <small>(28 46 13 31-1951)</small>		
28 46 13 31-2272 EA Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	270.15	57.68
28 46 13 31-2273 EA White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	270.15	57.68
28 46 13 31-2274 EA L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCL)	271.94	57.68
28 46 13 31-2275 EA L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHCWL)	271.94	57.68
28 46 13 31-2276 Carbon Monoxide Detectors <small>(28 46 13 31-1951)</small>		
28 46 13 31-2277 EA Conventional Carbon Monoxide Detector (System Sensor CO1224)	327.81	76.91
28 46 13 31-2278 EA Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	267.77	57.68
28 46 13 31-2279 EA CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	22.58	7.69
28 46 13 31-2280 EA Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	392.79	57.68
28 46 13 31-2281 EA 12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	306.23	76.91
28 46 13 31-2282 EA Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	405.89	57.68
28 46 13 31-2283 Switches <small>(28 46 13 31-1951)</small>		
28 46 13 31-2284 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	237.75	30.76
28 46 13 31-2285 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	264.54	30.76
28 46 13 31-2286 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	237.75	30.76
28 46 13 31-2287 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	264.54	30.76
28 46 13 31-2288 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	247.28	30.76
28 46 13 31-2289 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	231.80	30.76
28 46 13 31-2290 Low Frequency Sounders <small>(28 46 13 31-1951)</small>		
28 46 13 31-2291 EA Red, Low Frequency Sounder (System Sensor HR-LF)	240.67	57.68
28 46 13 31-2292 EA White, Low Frequency Sounder (System Sensor HW-LF)	240.67	57.68
28 46 13 31-2293 EA Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	224.01	57.68
28 46 13 31-2294 EA White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	224.01	57.68
28 46 13 31-2295 EA Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	222.52	57.68
28 46 13 31-2296 EA White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	222.52	57.68
28 46 13 31-2297 Sync Modules <small>(28 46 13 31-1951)</small>		
28 46 13 31-2298 EA Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	193.00	38.46
28 46 13 31-2299 EA White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	190.03	38.46
28 46 13 31-2300 Relays <small>(28 46 13 31-1951)</small>		
28 46 13 31-2301 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	111.78	30.76
28 46 13 31-2302 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	71.92	19.22
28 46 13 31-2303 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	199.20	19.22
28 46 13 31-2304 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	148.00	19.22
28 46 13 31-2305 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	119.76	30.76
28 46 13 31-2306 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	74.06	19.22
28 46 13 31-2307 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	223.61	19.22
28 46 13 31-2308 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	168.54	19.22
28 46 13 31-2309 EA 18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	63.23	19.22
28 46 13 31-2310 EA 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	63.23	19.22
28 46 13 31-2311 EA Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	63.23	19.22
28 46 13 31-2312 Remote Annunciator <small>(28 46 13 31-1951)</small>		
28 46 13 31-2313 EA Remote Annunciator (System Sensor RA100Z)	152.87	57.68
28 46 13 31-2314 EA Remote LED Annunciator (System Sensor RA100ZA)	146.50	57.68
28 46 13 31-2315 EA Remote Annunciator With Piezo Alarm (System Sensor APA151)	176.97	57.68
28 46 13 31-2316 Remote Test Station <small>(28 46 13 31-1951)</small>		
28 46 13 31-2317 EA Remote Test Station With Key (System Sensor RTS151KEY)	230.26	57.68
28 46 13 31-2318 Fire Alarm Digital Cellular Communicator <small>(28 46 13 31)</small>		
28 46 13 31-2319 EA Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	784.03	76.91
28 46 13 31-2320 Wheelock Fire Alarm <small>(28 46 13 31)</small>		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2321			Ceiling Mounted Chimes/Strobes (28 46 13 31-2320)		
28 46 13 31-2322	EA		White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	293.90	57.68
28 46 13 31-2323			Wall Mounted Chimes/Strobes (28 46 13 31-2320)		
28 46 13 31-2324	EA		Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	293.90	57.68
28 46 13 31-2325	EA		White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	293.90	57.68
28 46 13 31-2326			Ceiling Mounted Horns/Strobes (28 46 13 31-2320)		
28 46 13 31-2327	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	197.45	57.68
28 46 13 31-2328	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	224.31	57.68
28 46 13 31-2329			Wall Mounted Horns/Strobes (28 46 13 31-2320)		
28 46 13 31-2330	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	201.27	57.68
28 46 13 31-2331	EA		Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	298.50	57.68
28 46 13 31-2332	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	265.98	57.68
28 46 13 31-2333	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	265.98	57.68
28 46 13 31-2334	EA		Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....	284.04	57.68
28 46 13 31-2335	EA		Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	223.02	57.68
28 46 13 31-2336	EA		Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR).....	220.78	57.68
28 46 13 31-2337	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR).....	244.24	65.37
28 46 13 31-2338	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR).....	200.37	57.68
28 46 13 31-2339	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	200.37	57.68
28 46 13 31-2340	EA		White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW).....	219.88	57.68
28 46 13 31-2341	EA		Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	265.98	57.68
28 46 13 31-2342	EA		White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	265.98	57.68
28 46 13 31-2343			Ceiling Mounted Strobes (28 46 13 31-2320)		
28 46 13 31-2344	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR).....	189.38	57.68
28 46 13 31-2345	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	189.38	57.68
28 46 13 31-2346	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	204.66	57.68
28 46 13 31-2347	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC).....	182.65	57.68
28 46 13 31-2348	EA		White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW).....	201.04	57.68
28 46 13 31-2349	EA		White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW).....	202.61	57.68
28 46 13 31-2350	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCC-FW).....	203.28	57.68
28 46 13 31-2351	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR).....	213.89	57.68
28 46 13 31-2352			Wall Mounted Strobes (28 46 13 31-2320)		
28 46 13 31-2353	EA		Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	277.30	57.68
28 46 13 31-2354	EA		Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR).....	226.61	57.68
28 46 13 31-2355	EA		Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR).....	242.27	57.68
28 46 13 31-2356	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	187.58	57.68
28 46 13 31-2357	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	187.58	57.68
28 46 13 31-2358	EA		Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR).....	199.25	57.68
28 46 13 31-2359	EA		Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)..... Note: Requires WPSBB-R.	209.70	65.37
28 46 13 31-2360	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR).....	183.77	57.68
28 46 13 31-2361	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	183.77	57.68
28 46 13 31-2362	EA		Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCC-NW).....	214.95	57.68
28 46 13 31-2363	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW).....	189.60	57.68
28 46 13 31-2364	EA		Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW)..... Note: Requires WPSBB-R.	233.15	65.37
28 46 13 31-2365	EA		Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCC-FW).....	228.18	57.68
28 46 13 31-2366			Ceiling Mounted Speakers/Strobes (28 46 13 31-2320)		
28 46 13 31-2367	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	226.61	57.68
28 46 13 31-2368	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	226.61	57.68
28 46 13 31-2369	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	226.61	57.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2370 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	228.85	57.68
28 46 13 31-2371 EA White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	241.42	57.68
28 46 13 31-2372 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW).....	258.91	57.68
28 46 13 31-2373 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR).....	258.91	57.68
28 46 13 31-2374 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR).....	230.65	57.68
28 46 13 31-2375 EA White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW).....	254.08	57.68
28 46 13 31-2376 EA Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW).....	268.36	57.68
28 46 13 31-2377 EA White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW).....	282.65	57.68
28 46 13 31-2378 Wall Mounted Speakers/Strobes <small>(28 46 13 31-2320)</small>		
28 46 13 31-2379 EA Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	325.81	57.68
28 46 13 31-2380 EA White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW).....	325.81	57.68
28 46 13 31-2381 EA Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	241.42	57.68
28 46 13 31-2382 EA White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	241.42	57.68
28 46 13 31-2383 EA Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	226.61	57.68
28 46 13 31-2384 EA White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	223.02	57.68
28 46 13 31-2385 EA Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....	241.42	57.68
28 46 13 31-2386 EA White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	241.42	57.68
28 46 13 31-2387 EA Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	322.60	57.68
28 46 13 31-2388 EA Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	228.85	57.68
28 46 13 31-2389 EA White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	227.06	57.68
28 46 13 31-2390 EA Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	315.37	57.68
28 46 13 31-2391 EA White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	322.60	57.68
28 46 13 31-2392 EA Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	258.91	57.68
28 46 13 31-2393 EA White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	258.91	57.68
28 46 13 31-2394 EA Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR).....	351.64	65.37
Note: Requires weatherproof backbox (IOB).		
28 46 13 31-2395 EA Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR).....	210.01	57.68
28 46 13 31-2396 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW).....	203.28	57.68
28 46 13 31-2397 EA White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW).....	268.36	57.68
28 46 13 31-2398 EA Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	282.65	57.68
28 46 13 31-2399 EA White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	288.01	57.68
28 46 13 31-2400 EA White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW).....	296.94	57.68
28 46 13 31-2401 EA Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR).....	303.49	57.68
28 46 13 31-2402 EA Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR).....	299.32	57.68
Note: Requires IOB		
28 46 13 31-2403 EA White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW).....	296.94	57.68
Note: Requires IOB		
28 46 13 31-2404 Electric Alarm Bells <small>(28 46 13 31-2320)</small>		
28 46 13 31-2405 EA 6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	221.23	57.68
28 46 13 31-2406 EA 6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	214.05	57.68
28 46 13 31-2407 EA 10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	262.05	57.68
28 46 13 31-2408 EA 10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R).....	1,921.54	65.37
28 46 13 31-2409 EA 10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R).....	3,091.48	65.37
28 46 13 31-2410 EA 10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R).....	3,303.55	65.37
28 46 13 31-2411 EA 6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....	180.63	57.68
28 46 13 31-2412 EA 10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	239.19	57.68
28 46 13 31-2413 EA 6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R).....	183.32	57.68
28 46 13 31-2414 EA 10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R).....	237.11	57.68
28 46 13 31-2415 Horns <small>(28 46 13 31-2320)</small>		
28 46 13 31-2416 EA Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R).....	179.62	57.68
28 46 13 31-2417 EA Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....	155.37	57.68
28 46 13 31-2418 EA White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW).....	155.37	57.68
28 46 13 31-2419 EA Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNR).....	156.36	57.68
28 46 13 31-2420 EA White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNW).....	156.36	57.68
28 46 13 31-2421 EA Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	139.76	57.68
28 46 13 31-2422 EA White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	139.76	57.68

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2423	EA		Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R).....	156.36	57.68
28 46 13 31-2424	EA		Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R).....	183.23	57.68
28 46 13 31-2425			Speakers <small>(28 46 13 31-2320)</small>		
28 46 13 31-2426	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	159.23	57.68
28 46 13 31-2427	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W).....	159.23	57.68
28 46 13 31-2428	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	159.23	57.68
28 46 13 31-2429	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W).....	157.26	57.68
28 46 13 31-2430	EA		Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	159.23	57.68
28 46 13 31-2431	EA		White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	159.23	57.68
28 46 13 31-2432	EA		Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	159.23	57.68
28 46 13 31-2433	EA		White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	159.23	57.68
28 46 13 31-2434	EA		Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	180.85	57.68
28 46 13 31-2435	EA		White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W).....	180.85	57.68
28 46 13 31-2436	EA		White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W).....	182.65	57.68
28 46 13 31-2437	EA		Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	238.60	57.68
28 46 13 31-2438	EA		Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	217.76	57.68
28 46 13 31-2439	EA		Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S).....	321.71	57.68
28 46 13 31-2440	EA		Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR).....	321.71	57.68
28 46 13 31-2441	EA		Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R).....	238.60	57.68
28 46 13 31-2442	EA		White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W).....	240.98	57.68
28 46 13 31-2443	EA		Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R).....	217.76	57.68
28 46 13 31-2444	EA		White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW).....	312.42	57.68
28 46 13 31-2445	EA		White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25).....	232.05	57.68
28 46 13 31-2446			Sync Modules <small>(28 46 13 31-2320)</small>		
28 46 13 31-2447	EA		12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	202.22	38.46
28 46 13 31-2448			Boxes, Plates And Rings <small>(28 46 13 31-2320)</small>		
28 46 13 31-2449	EA		4" Square, Red, Surface Backbox (Wheelock BB-R).....	48.28	19.22
28 46 13 31-2450	EA		Standard 4" Square Box (Wheelock BB-STD).....	47.75	19.22
28 46 13 31-2451	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC).....	269.21	38.46
28 46 13 31-2452	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	269.21	38.46
28 46 13 31-2453	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	207.99	30.76
28 46 13 31-2454	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	24.18	7.69
28 46 13 31-2455	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	24.18	7.69
28 46 13 31-2456	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	58.92	19.22
28 46 13 31-2457	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	56.04	19.22
28 46 13 31-2458	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	58.92	19.22
28 46 13 31-2459	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	58.92	19.22
28 46 13 31-2460	EA		4" Square Backbox (Wheelock DBB-R).....	50.12	19.22
28 46 13 31-2461	EA		Red, Surface Backbox (Wheelock IOB-R).....	57.03	19.22
28 46 13 31-2462	EA		White, Surface, Backbox (Wheelock IOB-W).....	57.03	19.22
28 46 13 31-2463	EA		White, Indoor, Surface Extender (Wheelock ISP2-W).....	23.24	7.69
28 46 13 31-2464	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	29.05	7.69
28 46 13 31-2465	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	29.05	7.69
28 46 13 31-2466	EA		Red Retrofit Plate (Wheelock RP-R).....	27.05	7.69
28 46 13 31-2467	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	45.51	7.69
28 46 13 31-2468	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	59.36	19.22
28 46 13 31-2469	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	59.99	19.22
28 46 13 31-2470	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	63.31	19.22
28 46 13 31-2471	EA		Red, Semi-Flush Plate (Wheelock SFB-R).....	30.25	7.69
28 46 13 31-2472	EA		White, Semi-Flush Plate (Wheelock SFB-W).....	30.25	7.69
28 46 13 31-2473	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	53.13	19.22
28 46 13 31-2474	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	53.13	19.22
28 46 13 31-2475	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	32.97	7.69
28 46 13 31-2476	EA		Red, Weather Resistant Backbox (Wheelock WBB-R).....	58.56	19.22
28 46 13 31-2477	EA		Silver, Weather Resistant Backbox (Wheelock WBB-S).....	58.56	19.22
28 46 13 31-2478	EA		White, Weather Resistant Backbox (Wheelock WBB-W).....	58.56	19.22
28 46 13 31-2479	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	39.79	7.69
28 46 13 31-2480	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	39.79	7.69
28 46 13 31-2481	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	39.79	7.69
28 46 13 31-2482	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	39.79	7.69
28 46 13 31-2483	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	28.43	7.69
28 46 13 31-2484	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	70.85	19.22
28 46 13 31-2485	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	65.61	19.22
28 46 13 31-2486	EA		Red Plate For RSS (Wheelock RSSCP-R).....	23.24	7.69
28 46 13 31-2487	EA		White Plate For RSS (Wheelock RSSCP-W).....	23.24	7.69
28 46 13 31-2488	EA		Red Fire Plate For RSS (Wheelock RSSCPW-FR).....	24.18	7.69
28 46 13 31-2489	EA		White Fire Plate For RSS (Wheelock RSSCPW-FW).....	24.18	7.69
28 46 13 31-2490	EA		Red, Indoor, Surface Extender (Wheelock ISP2-R).....	23.64	7.69
28 46 13 31-2491	EA		Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR).....	158.27	7.69
28 46 13 31-2492	EA		White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW).....	142.20	7.69
28 46 13 31-2493	EA		White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW).....	139.82	7.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2494 EA White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW).....	142.20	7.69
28 46 13 31-2495 EA Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R).....	26.52	7.69
28 46 13 31-2496 EA White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W).....	25.81	7.69
28 46 13 31-2497 EA Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R).....	27.06	7.69
28 46 13 31-2498 EA White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W).....	27.06	7.69
28 46 13 31-2499 EA White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW).....	25.81	7.69
28 46 13 31-2500 EA Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR).....	26.94	7.69
28 46 13 31-2501 EA White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW).....	26.94	7.69
28 46 13 31-2502 EA Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R).....	25.81	7.69
28 46 13 31-2503 EA White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W).....	25.81	7.69
28 46 13 31-2504 EA Red, Surface Mounted, Extender Ring (Wheelock SER-R).....	34.86	7.69
28 46 13 31-2505 EA White, Surface Mounted, Extender Ring (Wheelock SER-W).....	35.22	7.69
28 46 13 31-2506 EA Red, Semi-Flush, Plate (Wheelock SFP-R).....	28.43	7.69
28 46 13 31-2507 EA Silver, Semi-Flush, Plate (Wheelock SFP-S).....	27.06	7.69
28 46 13 31-2508 EA White, Semi-Flush, Plate (Wheelock SFP-W).....	28.43	7.69
28 46 13 31-2509 EA Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R).....	70.85	19.22
28 46 13 31-2510 EA Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R).....	65.61	19.22
28 46 13 31-2511 EA White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W).....	65.61	19.22
28 46 13 31-2512 Manual Pull Station <small>(28 46 13 31-2320)</small>		
28 46 13 31-2513 EA SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	151.48	38.46
28 46 13 31-2514 EA SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	151.48	38.46
28 46 13 31-2515 EA Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	1,202.87	38.46
28 46 13 31-2516 Potter Fire Alarm <small>(28 46 13 31)</small>		
28 46 13 31-2517 Electric Alarm Bells <small>(28 46 13 31-2516)</small>		
28 46 13 31-2518 EA 6" Alarm Bell, 12 Volt DC (Potter MBA-6-12).....	154.00	57.68
28 46 13 31-2519 EA 8" Alarm Bell, 12 Volt DC (Potter MBA-8-12).....	166.20	57.68
28 46 13 31-2520 EA 10" Alarm Bell, 12 Volt DC (Potter MBA-10-12).....	172.30	57.68
28 46 13 31-2521 EA 6" Alarm Bell, 24 Volt DC (Potter MBA-6-24).....	154.00	57.68
28 46 13 31-2522 EA 8" Alarm Bell, 24 Volt DC (Potter MBA-8-24).....	166.20	57.68
28 46 13 31-2523 EA 10" Alarm Bell, 24 Volt DC (Potter MBA-10-24).....	172.30	57.68
28 46 13 31-2524 EA 6" Alarm Bell, 24 Volt AC (Potter PBA246).....	164.36	57.68
28 46 13 31-2525 EA 8" Alarm Bell, 24 Volt AC (Potter PBA248).....	170.21	57.68
28 46 13 31-2526 EA 10" Alarm Bell, 24 Volt AC (Potter PBA2410).....	204.71	57.68
28 46 13 31-2527 EA 6" Alarm Bell, 120 Volt AC (Potter PBA1206).....	155.76	57.68
28 46 13 31-2528 EA 8" Alarm Bell, 120 Volt AC (Potter PBA1208).....	170.21	57.68
28 46 13 31-2529 EA 10" Alarm Bell, 120 Volt AC (Potter PBA12010).....	182.30	57.68
28 46 13 31-2530 Manual Pull Station <small>(28 46 13 31-2516)</small>		
28 46 13 31-2531 EA SPST, Single Action, Manual Pull Station (Potter P32-1T).....	111.50	38.46
28 46 13 31-2532 EA DPST, Single Action, Manual Pull Station (Potter RMS-2T).....	117.04	38.46
28 46 13 31-2533 EA DPST, Single Action, Manual Pull Station (Potter RMS-6T).....	179.41	38.46
28 46 13 31-2534 EA DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL).....	120.49	38.46
28 46 13 31-2535 EA SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP).....	114.64	38.46
28 46 13 31-2536 EA SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP).....	198.91	38.46
28 46 13 31-2537 EA SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP).....	245.43	38.46
28 46 13 31-2538 Fire Alarm Terminal Cabinets <small>(28 46 13 31)</small>		
28 46 13 31-2539 EA 18 Point Lockable Fire Alarm Terminal Cabinet.....	284.25	77.01
28 46 13 31-2540 EA 32 Point Lockable Fire Alarm Terminal Cabinet.....	362.41	77.01
28 46 13 31-2541 EA 64 Point Lockable Fire Alarm Terminal Cabinet.....	518.71	77.01
28 46 13 31-2542 EA 128 Point Lockable Fire Alarm Terminal Cabinet.....	674.97	77.01
28 46 13 31-2543 Test And Certification Of Fire Alarm System To Tie In To Existing Systems <small>(28 46 13 31)</small>		
28 46 13 31-2544 HR Test And Certification Of Fire Alarm System.....	382.63	
28 46 13 31-2545 Programming Of Existing Fire Alarm System <small>(28 46 13 31)</small>		
28 46 13 31-2546 HR Programming Of Existing Fire Alarm System.....	459.16	
28 46 13 31-2547 Removal And Reinstallation Of Smoke Detector <small>(28 46 13 31)</small>		
Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2548 EA Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....	215.35	
28 46 13 31-2549 EA Removal And Reinstallation Of Wall Mounted Smoke Detector.....	173.05	
28 46 13 31-2550 Kidde Fire Safety Equipment <small>(28 46 13 31)</small>		
28 46 13 31-2551 Smoke Detectors <small>(28 46 13 31-2550)</small>		
28 46 13 31-2552 EA Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With 10 Year Sealed Battery Back-up (Kidde P4010ACS-CO).....	183.60	57.68

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2553 EA Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i2010SCO).....	164.35	57.68
28 46 13 31-2554 EA Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO).....	146.59	57.68
28 46 31 Fire-Alarm Initiating Devices (28 46)		
28 46 31 11 Heat-Sensing Fire Detectors (28 46 31)		
28 46 31 11-0001 Protectowire Fire Alarm (28 46 31 11)		
28 46 31 11-0002 Linear Heat Detector Cable (28 46 31 11-0001)		
28 46 31 11-0003 LF Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	6.11	
28 46 31 11-0004 LF Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	6.59	
28 46 31 11-0005 LF High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	6.59	
28 46 31 11-0006 LF High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	7.07	
28 46 31 11-0007 LF Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	7.99	
28 46 31 11-0008 LF Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....	8.47	
28 46 31 11-0009 EA Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	82.75	
28 46 31 11-0010 EA Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	30.82	
28 46 31 11-0011 EA Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	11.06	
28 46 31 11-0012 EA Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	11.06	
28 46 31 11-0013 EA Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO).....	12.57	
28 46 31 11-0014 EA Beam Clamp For Linear Heat Detector (Protectowire BC-2).....	19.57	
28 46 31 11-0015 EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....	20.21	
28 46 31 11-0016 EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A).....	1.67	
28 46 31 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	2.27	
28 46 31 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	9.85	
28 46 41 Fire-Alarm Notification Appliances (28 46)		
28 46 41 11 Audible Fire-Alarm Notification Appliances (28 46 41)		
See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31 Combination Fire-Alarm Notification Appliances (28 46 41)		
See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47 Mass Notification (28 40)		
28 47 15 Mass Notification Control Panels (28 47)		
28 47 15 00-0001 Central Station Controls (28 47 15)		
28 47 15 00-0002 EA Desktop 18 Function Base Station Control/Encoder (Whelen E747).....	955.37	
28 47 15 00-0003 EA Desktop 35 Function Base Station Control/Encoder (Whelen E969).....	1,549.50	
28 47 15 00-0004 EA Desktop Central Station Control Encoder/Decoder (Whelen E2010).....	4,528.90	
28 47 15 00-0005 EA Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....	1,426.35	38.46
28 47 15 00-0006 EA Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R).....	5,217.65	38.46
28 47 15 00-0007 EA Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK).....	799.83	38.46
28 47 15 00-0008 EA Option To Convert Activation Controls To FSK Format (Whelen FSKCEO).....	856.93	38.46
28 47 17 Notification Devices and Methods (28 47)		
28 47 17 17 Notification Appliances and Methods Public Methods (28 47 17)		
28 47 17 17-0001 Voice Capable Omni-Directional Speakers (28 47 17 17)		
28 47 17 17-0002 EA 1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A).....	13,996.14	962.75
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0003 EA 2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A).....	16,970.20	1,004.60
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0004 EA 3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A).....	19,907.80	1,046.46
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0005 EA 4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A).....	22,845.41	1,088.32
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0006 EA 5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A).....	25,855.92	1,130.18
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0007 EA 6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A).....	30,871.16	1,172.03
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0008 EA 7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A).....	33,845.23	1,213.89
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0009 EA 8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A).....	37,414.63	1,255.75
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0010 EA 9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A).....	40,352.25	1,297.60
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0011 EA 10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A).....	43,326.31	1,339.47
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0012 EA 3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003).....	29,777.67	1,172.03
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0013 EA 4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004).....	31,694.70	1,213.89
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0014 EA One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL).....	575.81	38.46
28 47 17 17-0015 EA VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV).....	2,166.69	38.46



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like UHF Narrow-Band, VHF High-Band, and Tone Only, Omni-Alert Sirens.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0086 EA Landline, 10 Digit DTMF (Whelen VD2030LL).....	585.99	38.46
28 47 17 17-0087 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV).....	2,166.69	38.46
28 47 17 17-0088 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU).....	2,166.69	38.46
28 47 17 17-0089 EA UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU).....	1,960.14	38.46
28 47 17 17-0090 EA VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV).....	1,899.39	38.46
28 47 17 17-0091 EA Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT).....	466.27	38.46
28 47 17 17-0092 EA Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS).....	678.33	38.46
28 47 17 17-0093 EA Landline, 10 Digit DTMF (Whelen VC2030LL).....	718.42	38.46
28 47 17 17-0094 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV).....	2,373.24	38.46
28 47 17 17-0095 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU).....	2,373.24	38.46
28 47 17 17-0096 EA UHF, 10 Digit DTMF (Whelen VC230WU).....	2,373.24	38.46
28 47 17 17-0097 EA VHF High Band, 10 Digit DTMF (Whelen VC230WV).....	2,373.24	38.46
28 47 17 17-0098 EA Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD).....	856.93	38.46
28 47 17 17-0099 EA Cabinet Window LED Status Indicator (Whelen VSTATUS).....	507.02	38.46
28 47 17 17-0100 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT).....	440.07	38.46
28 47 17 17-0101 EA Vortex Intrusion Alarm (Whelen VINTRU).....	272.18	38.46
28 47 17 17-0102 EA Speaker Pole Top Bracket (Whelen VPTB).....	691.69	38.46
28 47 17 17-0103 EA 80 Watt Solar Power Option (Whelen VSBC280).....	4,434.48	230.73
28 47 17 17-0104 EA One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR).....	1,006.00	57.68
28 47 17 17-0105 EA Program Charge For Custom VROM Message (Whelen VPROG).....	3,580.84	
28 47 17 17-0106 Uni-Directional Rotating Speakers (28 47 17 17)		
28 47 17 17-0107 EA 118 dB, Uni-Directional Rotating Speaker (Whelen HORNET).....	14,919.53	962.75
28 47 17 17-0108 EA One Way Contact Closure Activation Control Board (Whelen HAUXIN).....	317.43	38.46
28 47 17 17-0109 EA Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL).....	585.99	38.46
28 47 17 17-0110 EA VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV).....	2,166.69	38.46
28 47 17 17-0111 EA UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU).....	2,166.69	38.46
28 47 17 17-0112 EA UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU).....	1,960.14	38.46
28 47 17 17-0113 EA VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV).....	1,899.39	38.46
28 47 17 17-0114 EA Two-Tone Sequential Option For Hornet (Whelen HORTT).....	474.21	38.46
28 47 17 17-0115 EA Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS).....	666.31	38.46
28 47 17 17-0116 EA Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL).....	705.60	38.46
28 47 17 17-0117 EA VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV).....	2,373.24	38.46
28 47 17 17-0118 EA UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU).....	2,373.24	38.46
28 47 17 17-0119 EA UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU).....	2,373.24	38.46
28 47 17 17-0120 EA VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV).....	2,373.24	38.46
28 47 17 17-0121 EA Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD).....	856.93	38.46
28 47 17 17-0122 EA LED Status Indicator (Whelen HSTATUS).....	498.42	38.46
28 47 17 17-0123 EA Option For Paging Interface (Whelen HPGINT).....	440.07	38.46
28 47 17 17-0124 EA Intrusion Alarm (Whelen HINTRU).....	272.18	38.46
28 47 17 17-0125 EA Solar Power Option (Whelen HSBC280).....	4,434.48	230.73
28 47 17 17-0126 EA Pole Top Bracket For Speaker (Whelen HPTB).....	702.03	38.46
28 47 17 17-0127 EA One Pair Of Whelen Approved Batteries (Whelen BSETF).....	1,006.00	57.68
28 47 17 17-0128 All Hazard In-Plant Personnel Warning System (28 47 17 17)		
28 47 17 17-0129 EA 400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400).....	7,612.70	1,230.58
28 47 17 17-0130 EA 800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800).....	9,196.09	1,384.39
28 47 17 17-0131 EA 15 Watt, Wide Angle Speaker (Whelen WS15T).....	452.33	57.68
28 47 17 17-0132 EA Recess Mounted, 15 Watt Speaker (Whelen WS15TR).....	433.28	57.68
28 47 17 17-0133 EA With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN).....	814.30	57.68
28 47 17 17-0134 EA 30 Watt, Wide Angle Speaker (Whelen WS30T).....	560.68	57.68
28 47 17 17-0135 EA 60 Watt, Wide Angle Speaker (Whelen WS60T).....	1,117.93	57.68
28 47 17 17-0136 EA Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T).....	1,746.69	65.37
28 47 17 17-0137 EA 100 Watt, Wide Angle Speaker (Whelen WS100).....	717.85	57.68
28 47 17 17-0138 EA Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH).....	1,114.27	65.37
28 47 17 17-0139 EA Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU).....	272.18	38.46
28 47 17 17-0140 Firehouse Siren (28 47 17 17)		
28 47 17 17-0141 EA Auxiliary Board Contact Closure (Whelen FAUXIN).....	317.43	38.46
28 47 17 17-0142 EA Two-Tone Sequential Option (Whelen FTT).....	466.27	38.46
28 47 17 17-0143 EA Auxiliary/Status Control Board (Whelen FAUXCS).....	678.33	38.46
28 47 17 17-0144 EA Landline, 10 Digit DTMF (Whelen FC2030LL).....	705.60	38.46
28 47 17 17-0145 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV).....	2,373.24	38.46
28 47 17 17-0146 EA UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU).....	2,373.24	38.46
28 47 17 17-0147 EA UHF, 10 Digit DTMF (Whelen FC230WU).....	2,373.24	38.46
28 47 17 17-0148 EA VHF High Band, 10 Digit DTMF (Whelen FC230WV).....	2,373.24	38.46
28 47 17 17-0149 EA Paging Interface Control Option (Whelen FPGINT).....	440.07	38.46
28 47 17 17-0150 EA Intrusion Alarm Control Option (Whelen FINTRU).....	272.18	38.46
28 47 17 17-0151 EA Solar Power Option (Whelen FSBC280).....	4,434.48	230.73
Note: Two 80 watt panels, with brackets and solar regulator.		
28 47 17 17-0152 Alert Monitor And Message Display (28 47 17 17)		
28 47 17 17-0153 EA Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H).....	1,984.44	38.46
28 47 17 17-0154 EA Alert Monitor VHF High-Narrow Band (Whelen V2000NH).....	1,984.44	38.46
28 47 17 17-0155 EA Alert Monitor UHF Narrow-Band (Whelen V2000NU).....	1,984.44	38.46



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 47 17 17-0156 EA Alert Monitor With Radio Receiver UHF (Whelen V2000U).....	1,984.44	38.46
				28 47 17 17-0157 EA Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	290.39	57.68
				28 47 17 17-0158 EA Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	90.01	38.46
				28 47 17 17-0159 EA Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	169.08	
				28 47 17 17-0160 EA Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	265.53	
				28 47 17 17-0161 Portable Test Set <small>(28 47 17 17)</small>		
				28 47 17 17-0162 EA VHF High Band, Portable Test Set (Whelen PT2010H).....	7,933.88	
				28 47 17 17-0163 EA VHF Low Band, Portable Test Set (Whelen PT2010L).....	7,933.88	
				28 47 17 17-0164 EA UHF, Portable Test Set (Whelen PT2010U).....	7,933.88	
				28 47 17 17-0165 Replacement Warning Lights <small>(28 47 17 17)</small>		
				28 47 17 17-0166 EA Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA).....	446.92	61.53
				28 47 17 17-0167 EA Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB).....	446.92	61.53
				28 47 17 17-0168 EA Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC).....	446.92	61.53
				28 47 17 17-0169 EA Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG).....	446.92	61.53
				28 47 17 17-0170 EA Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR).....	446.92	61.53
				28 47 17 17-0171 EA Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA).....	479.07	61.53
				28 47 17 17-0172 EA Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB).....	318.32	61.53
				28 47 17 17-0173 EA Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC).....	474.31	61.53
				28 47 17 17-0174 EA Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG).....	474.31	61.53
				28 47 17 17-0175 EA Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR).....	474.31	61.53
				28 47 17 17-0176 EA Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA).....	446.92	61.53
				28 47 17 17-0177 EA Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB).....	446.92	61.53
				28 47 17 17-0178 EA Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC).....	446.92	61.53
				28 47 17 17-0179 EA Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG).....	446.92	61.53
				28 47 17 17-0180 EA Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR).....	446.92	61.53
				28 47 17 17-0181 EA Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA).....	498.12	61.53
				28 47 17 17-0182 EA Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB).....	498.12	61.53
				28 47 17 17-0183 EA Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	330.23	61.53
				28 47 17 17-0184 EA Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG).....	330.23	61.53
				28 47 17 17-0185 EA Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	330.23	61.53
				28 47 17 17-0186 Antenna <small>(28 47 17 17)</small>		
				28 47 17 17-0187 EA 50' Antenna Cable (Honeywell Ademco 7626-50HC).....	318.30	
				28 47 17 17-0188 EA External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	305.03	
				28 47 17 17-0189 EA 80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000).....	15,057.34	
28 49 Electronic Personal Protection Systems <small>(28 49)</small>						
28 49 11 Electronic Personal Safety Detection Systems <small>(28 49)</small>						
				28 49 11 00-0001 Personnel Alarm Locating System <small>(28 49 11)</small>		
				<small>Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.</small>		
				28 49 11 00-0002 EA Personnel Alarm Locating System.....	24,147.77	1,234.16
				<small>Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.</small>		
				28 49 11 00-0003 EA Personnel Alarm Transmitters With Lithium Batteries.....	187.89	
				28 49 11 00-0004 EA Lapel Reader.....	72.26	
				28 49 11 00-0005 EA IR Locator.....	280.27	46.21
				28 49 11 00-0006 EA Repeaters And Receivers.....	698.27	154.02
				28 49 17 Electronic Personal Safety Emergency Aid Devices <small>(28 49)</small>		
				28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) <small>(28 49 17)</small>		
				28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
				28 49 17 00-0003 EA Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	376.06	92.41
				<small>Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).</small>		
				28 49 17 00-0004 EA Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	445.57	107.82
				<small>Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.</small>		
				28 49 17 00-0005 EA Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	448.60	107.82
				<small>Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.</small>		
				28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
				28 49 17 00-0007 EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	273.15	57.76
				28 49 17 00-0008 EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	262.48	46.21
				28 49 17 00-0009 EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	130.56	46.21
				28 49 17 00-0010 EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	215.64	46.21

28 Electronic Safety and Security**28 40 Life Safety****28 49 Electronic Personal Protection Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0011 EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	246.06	46.21
28 49 17 00-0012 EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	277.63	46.21
28 49 17 00-0013 EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	379.11	46.21
28 49 17 00-0014 EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	422.77	46.21
28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) ^(28 49 17 00-0001)		
28 49 17 00-0016 EA Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	168.73	46.21
28 49 17 00-0017 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	241.25	46.21
28 49 17 00-0018 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	311.25	46.21
28 49 17 00-0019 EA 3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	321.57	15.41
28 49 17 00-0020 EA Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	247.72	46.21
28 49 17 00-0021 EA Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	289.59	46.21
28 49 17 00-0022 EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	480.39	46.21
28 49 17 00-0023 EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	236.21	46.21
28 49 17 00-0024 EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	272.65	15.41
28 49 17 00-0025 EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	418.78	15.41
28 49 17 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685).....	427.76	15.41
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686).....	561.95	15.41

END OF SECTION 28



Earthwork	31	13
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001	Rip Settling Basins ^(31 01 20)	
	Note: Rip through light soil and sand in settling basin. 8' on center (machine width).	
31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	698.58
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	1,065.92
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	916.09

31 05 Common Work Results for Earthwork ⁽³¹⁾

31 05 13 Soils for Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0001	Fill Material (Loose, Purchased Material) ^(31 05 13)	
	Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.	
31 05 13 00-0002	CY Bank Run/Fill Sand	37.25
	For Up To 8, Add	7.45
	For >8 To 16, Add	3.73
	For >48 To 64, Deduct	-2.76
	For >64 To 96, Deduct	-4.63
	For >96, Deduct	-6.49
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand	43.89
	For Up To 8, Add	8.78
	For >8 To 16, Add	4.39
	For >48 To 64, Deduct	-3.09
	For >64 To 96, Deduct	-5.29
	For >96, Deduct	-7.48
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	59.82
	For Up To 8, Add	11.96
	For >8 To 16, Add	5.98
	For >48 To 64, Deduct	-3.89
	For >64 To 96, Deduct	-6.88
	For >96, Deduct	-9.87
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand	53.84
	For Up To 8, Add	10.77
	For >8 To 16, Add	5.38
	For >48 To 64, Deduct	-3.59
	For >64 To 96, Deduct	-6.28
	For >96, Deduct	-8.98
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand	95.00
	For Up To 8, Add	19.00
	For >8 To 16, Add	9.50
	For >48 To 64, Deduct	-5.65
	For >64 To 96, Deduct	-10.40
	For >96, Deduct	-15.15
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt	49.82
	For Up To 8, Add	9.96
	For >8 To 16, Add	4.98
	For >48 To 64, Deduct	-3.39
	For >64 To 96, Deduct	-5.88
	For >96, Deduct	-8.37
31 05 13 00-0008	CY Lime Rock Screening	42.38
	For Up To 8, Add	8.48
	For >8 To 16, Add	4.24
	For >48 To 64, Deduct	-3.02
	For >64 To 96, Deduct	-5.14
	For >96, Deduct	-7.26
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2"	42.38
	For Up To 8, Add	8.48
	For >8 To 16, Add	4.24
	For >48 To 64, Deduct	-3.02
	For >64 To 96, Deduct	-5.14
	For >96, Deduct	-7.26
31 05 13 00-0010	CY Sand/Clay	39.98
	For Up To 8, Add	8.00
	For >8 To 16, Add	4.00
	For >48 To 64, Deduct	-2.90
	For >64 To 96, Deduct	-4.90
	For >96, Deduct	-6.90
31 05 13 00-0011	CY Recycled Concrete Aggregate	38.14
	For Up To 8, Add	7.63
	For >8 To 16, Add	3.81
	For >48 To 64, Deduct	-2.81
	For >64 To 96, Deduct	-4.71
	For >96, Deduct	-6.62

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0012 CY Pitrun Clay	72.55	
For Up To 8, Add	14.51	
For >8 To 16, Add	7.26	
For >48 To 64, Deduct	-4.53	
For >64 To 96, Deduct	-8.16	
For >96, Deduct	-11.78	
31 05 13 00-0013 CY Light Clay / Loam	58.83	
For Up To 8, Add	11.77	
For >8 To 16, Add	5.88	
For >48 To 64, Deduct	-3.84	
For >64 To 96, Deduct	-6.78	
For >96, Deduct	-9.72	
31 05 13 00-0014 CY Heavy Clay	72.55	
For Up To 8, Add	14.51	
For >8 To 16, Add	7.26	
For >48 To 64, Deduct	-4.53	
For >64 To 96, Deduct	-8.16	
For >96, Deduct	-11.78	

31 05 16 Aggregates for Earthwork (31 05 16)

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) (31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0002 CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	56.24	
For Up To 8, Add	11.25	
For >8 To 16, Add	5.62	
For >48 To 64, Deduct	-3.71	
For >64 To 96, Deduct	-6.52	
For >96, Deduct	-9.34	
31 05 16 00-0003 CY #3 Stone Aggregate Fill (1" To 2" Clean)	58.48	
For Up To 8, Add	11.70	
For >8 To 16, Add	5.85	
For >48 To 64, Deduct	-3.82	
For >64 To 96, Deduct	-6.75	
For >96, Deduct	-9.67	
31 05 16 00-0004 CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	56.24	
For Up To 8, Add	11.25	
For >8 To 16, Add	5.62	
For >48 To 64, Deduct	-3.71	
For >64 To 96, Deduct	-6.52	
For >96, Deduct	-9.34	
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean)	60.10	
For Up To 8, Add	12.02	
For >8 To 16, Add	6.01	
For >48 To 64, Deduct	-3.91	
For >64 To 96, Deduct	-6.91	
For >96, Deduct	-9.92	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean)	62.39	
For Up To 8, Add	12.48	
For >8 To 16, Add	6.24	
For >48 To 64, Deduct	-4.02	
For >64 To 96, Deduct	-7.14	
For >96, Deduct	-10.26	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1")	60.46	
For Up To 8, Add	12.09	
For >8 To 16, Add	6.05	
For >48 To 64, Deduct	-3.92	
For >64 To 96, Deduct	-6.95	
For >96, Deduct	-9.97	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (3/8" To 1")	64.43	
For Up To 8, Add	12.89	
For >8 To 16, Add	6.44	
For >48 To 64, Deduct	-4.12	
For >64 To 96, Deduct	-7.34	
For >96, Deduct	-10.56	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (3/16" To 3/4")	58.36	
For Up To 8, Add	11.67	
For >8 To 16, Add	5.84	
For >48 To 64, Deduct	-3.82	
For >64 To 96, Deduct	-6.74	
For >96, Deduct	-9.65	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (3/8" To 1/2")	59.46	
For Up To 8, Add	11.89	
For >8 To 16, Add	5.95	
For >48 To 64, Deduct	-3.87	
For >64 To 96, Deduct	-6.85	
For >96, Deduct	-9.82	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (3/32" To 1/2")	59.94	
For Up To 8, Add	11.99	
For >8 To 16, Add	5.99	
For >48 To 64, Deduct	-3.90	
For >64 To 96, Deduct	-6.89	
For >96, Deduct	-9.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/32" To 3/8")	62.39	
<i>For Up To 8, Add</i>	12.48	
<i>For >8 To 16, Add</i>	6.24	
<i>For >48 To 64, Deduct</i>	-4.02	
<i>For >64 To 96, Deduct</i>	-7.14	
<i>For >96, Deduct</i>	-10.26	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (1/16" To 3/8")	63.07	
<i>For Up To 8, Add</i>	12.61	
<i>For >8 To 16, Add</i>	6.31	
<i>For >48 To 64, Deduct</i>	-4.05	
<i>For >64 To 96, Deduct</i>	-7.21	
<i>For >96, Deduct</i>	-10.36	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (3/32" To 3/16")	62.39	
<i>For Up To 8, Add</i>	12.48	
<i>For >8 To 16, Add</i>	6.24	
<i>For >48 To 64, Deduct</i>	-4.02	
<i>For >64 To 96, Deduct</i>	-7.14	
<i>For >96, Deduct</i>	-10.26	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (1/16" To 3/16")	63.79	
<i>For Up To 8, Add</i>	12.76	
<i>For >8 To 16, Add</i>	6.38	
<i>For >48 To 64, Deduct</i>	-4.09	
<i>For >64 To 96, Deduct</i>	-7.28	
<i>For >96, Deduct</i>	-10.47	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (1/16" To 3/4")	63.07	
<i>For Up To 8, Add</i>	12.61	
<i>For >8 To 16, Add</i>	6.31	
<i>For >48 To 64, Deduct</i>	-4.05	
<i>For >64 To 96, Deduct</i>	-7.21	
<i>For >96, Deduct</i>	-10.36	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill (3/16" Max)	53.10	
<i>For Up To 8, Add</i>	10.62	
<i>For >8 To 16, Add</i>	5.31	
<i>For >48 To 64, Deduct</i>	-3.56	
<i>For >64 To 96, Deduct</i>	-6.21	
<i>For >96, Deduct</i>	-8.87	
31 05 16 00-0018 CY Over 6" To 12" Stone Aggregate Fill, Random Size	57.61	
<i>For Up To 8, Add</i>	11.52	
<i>For >8 To 16, Add</i>	5.76	
<i>For >48 To 64, Deduct</i>	-3.78	
<i>For >64 To 96, Deduct</i>	-6.66	
<i>For >96, Deduct</i>	-9.54	
31 05 16 00-0019 CY Over 6" To 12" Graded Stone Aggregate Fill	57.61	
<i>For Up To 8, Add</i>	11.52	
<i>For >8 To 16, Add</i>	5.76	
<i>For >48 To 64, Deduct</i>	-3.78	
<i>For >64 To 96, Deduct</i>	-6.66	
<i>For >96, Deduct</i>	-9.54	
31 05 16 00-0020 CY 3" To 7" Surge Stone Aggregate Fill, Random Size	62.11	
<i>For Up To 8, Add</i>	12.42	
<i>For >8 To 16, Add</i>	6.21	
<i>For >48 To 64, Deduct</i>	-4.01	
<i>For >64 To 96, Deduct</i>	-7.11	
<i>For >96, Deduct</i>	-10.22	
31 05 16 00-0021 CY 3" To 7" Surge Stone Graded Aggregate Fill	65.32	
<i>For Up To 8, Add</i>	13.06	
<i>For >8 To 16, Add</i>	6.53	
<i>For >48 To 64, Deduct</i>	-4.17	
<i>For >64 To 96, Deduct</i>	-7.43	
<i>For >96, Deduct</i>	-10.70	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus)	37.41	
<i>For Up To 8, Add</i>	7.48	
<i>For >8 To 16, Add</i>	3.74	
<i>For >48 To 64, Deduct</i>	-2.77	
<i>For >64 To 96, Deduct</i>	-4.64	
<i>For >96, Deduct</i>	-6.51	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus)	40.94	
<i>For Up To 8, Add</i>	8.19	
<i>For >8 To 16, Add</i>	4.09	
<i>For >48 To 64, Deduct</i>	-2.95	
<i>For >64 To 96, Deduct</i>	-4.99	
<i>For >96, Deduct</i>	-7.04	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus)	38.65	
<i>For Up To 8, Add</i>	7.73	
<i>For >8 To 16, Add</i>	3.87	
<i>For >48 To 64, Deduct</i>	-2.83	
<i>For >64 To 96, Deduct</i>	-4.77	
<i>For >96, Deduct</i>	-6.70	
31 05 16 00-0025 CY Miscellaneous Crushed Base, Processed Concrete, Paving	65.46	
<i>For Up To 8, Add</i>	13.09	
<i>For >8 To 16, Add</i>	6.55	
<i>For >48 To 64, Deduct</i>	-4.17	
<i>For >64 To 96, Deduct</i>	-7.45	
<i>For >96, Deduct</i>	-10.72	

31	31 Earthwork
	31 05 Common Work Results for Earthwork
	31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾

31 11 Clearing and Grubbing ^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	7,353.97
	Note: Includes grub and removal of stump	
31 11 00 00-0003	ACR Clear And Grub Light Stumps Only Up To 6" Diameter	2,328.69
31 11 00 00-0004	ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	9,805.29
	Note: Includes grub and removal of stump	
31 11 00 00-0005	ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	3,881.15
31 11 00 00-0006	ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	13,482.28
	Note: Includes grub and removal of stump	
31 11 00 00-0007	ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,821.71
31 11 00 00-0008	ACR Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip	19,610.59
	Note: Includes grub and removal of stump	
31 11 00 00-0009	ACR Clear And Grub Heavy Stumps Only Up To 24" Diameter	8,150.40
31 11 00 00-0010	ACR Clearing By Machine - Light Brush Without Grub	326.83
31 11 00 00-0011	ACR Clearing By Machine - Medium Brush Without Grub	688.46
31 11 00 00-0012	ACR Clearing By Machine - Heavy Brush Without Grub	977.63
31 11 00 00-0013	ACR Chipping - Light Brush	2,615.21
31 11 00 00-0014	ACR Chipping - Medium Brush	3,362.59
31 11 00 00-0015	ACR Chipping - Heavy Brush	4,708.05

31 11 00 00-0016 Loading Of Cleared And Grubbed Material ^(31 11)

See CSI section 01 74 19 00-0039 for hauling.

31 11 00 00-0017	CY Machine Loading Of Cleared And Grubbed Material	11.53
31 11 00 00-0018	CY Chute Loading Of Cleared And Grubbed Material	13.84
31 11 00 00-0019	CY Hand Loading Of Cleared And Grubbed Material	38.35
31 11 00 00-0020	CY Wheel And Ramp Loading Of Cleared And Grubbed Material	30.13

31 13 Selective Tree and Shrub Removal and Trimming ^(31 10)

31 13 13 Selective Tree and Shrub Removal ^(31 13)

31 13 13 00-0001 Individual Tree Removal ^(31 13 13)

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	612.83
	Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0003	EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	919.25
	Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0004	EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,225.66
	Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0005	EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,838.49
	Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0006	EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	2,451.32
	Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0007	EA >48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal	3,064.15
	Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0008	EA >60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal	3,676.99
	Note: Includes cutting up tree, chipping and loading.	
	<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	<i>-766.04</i>
31 13 13 00-0009	EA >72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal	4,902.65
	Note: Includes cutting up tree, chipping and loading.	
	<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	<i>-1,225.66</i>

31 13 13 00-0010 Stump Removal ^(31 13 13)

Note: Measured by diameter of stump.

31 13 13 00-0011 Stump Removal By Machine ^(31 13 13 00-0010)

31 13 13 00-0012	EA Up To 6" Diameter Stump Removal	116.43
	Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0013	EA >6" To 12" Diameter Stump Removal	223.17
	Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0014	EA >12" To 24" Diameter Stump Removal	291.08
	Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0015	EA >24" To 36" Diameter Stump Removal	436.64
	Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0016	EA >36" To 48" Diameter Stump Removal	514.29
	Note: Includes excavation necessary to remove stump and loading.	



Earthwork	31	13
Site Clearing	31 10	
Selective Tree and Shrub Removal and Trimming	31 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0017 EA >48" To 60" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	605.45	
31 13 13 00-0018 EA >60" To 72" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	718.01	
31 13 13 00-0019 EA >72" To 84" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	844.15	
31 13 13 00-0020 Stump Removal By Hand <small>(31 13 13 00-0010)</small>		
31 13 13 00-0021 EA Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	651.44	
31 13 13 00-0022 EA >6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	814.30	
31 13 13 00-0023 EA >12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,194.31	
31 13 13 00-0024 EA >24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,628.61	
31 13 13 00-0025 EA >36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,171.47	
31 13 13 00-0026 EA >48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,714.34	
31 13 13 00-0027 EA >60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,257.21	
31 13 13 00-0028 EA >72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,800.07	
31 13 13 00-0029 Stump Grinding <small>(31 13 13)</small> Note: Measured by diameter of stump.		
31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0029)</small> Note: Level soil to match existing surface area.		
31 13 13 00-0031 EA Stump Grinding Up To 6" Tree <i>For 24" Depth, Add</i>	114.20 22.84	
31 13 13 00-0032 EA Stump Grinding >6" To 12" Tree..... <i>For 24" Depth, Add</i>	142.75 28.55	
31 13 13 00-0033 EA Stump Grinding >12" To 15" Tree..... <i>For 24" Depth, Add</i>	171.29 34.26	
31 13 13 00-0034 EA Stump Grinding >15" To 18" Tree..... <i>For 24" Depth, Add</i>	190.33 38.07	
31 13 13 00-0035 EA Stump Grinding >18" To 21" Tree..... <i>For 24" Depth, Add</i>	204.60 40.92	
31 13 13 00-0036 EA Stump Grinding >21" To 24" Tree..... <i>For 24" Depth, Add</i>	218.87 43.77	
31 13 13 00-0037 EA Stump Grinding >24" To 27" Tree..... <i>For 24" Depth, Add</i>	237.90 47.58	
31 13 13 00-0038 EA Stump Grinding >27" To 30" Tree..... <i>For 24" Depth, Add</i>	258.41 51.68	
31 13 13 00-0039 EA Stump Grinding >30" To 33" Tree..... <i>For 24" Depth, Add</i>	287.12 57.42	
31 13 13 00-0040 EA Stump Grinding >33" To 36" Tree..... <i>For 24" Depth, Add</i>	315.83 63.17	
31 13 13 00-0041 EA Stump Grinding >36" To 42" Tree..... <i>For 24" Depth, Add</i>	344.54 68.91	
31 13 13 00-0042 EA Stump Grinding >42" To 48" Tree..... <i>For 24" Depth, Add</i>	382.82 76.56	
31 13 13 00-0043 EA Stump Grinding >48" To 60" Tree..... <i>For 24" Depth, Add</i>	478.53 95.71	
31 13 13 00-0044 EA Stump Grinding >60" To 72" Tree..... <i>For 24" Depth, Add</i>	598.17 119.63	
31 13 13 00-0045 EA Stump Grinding >72" To 84" Tree..... <i>For 24" Depth, Add</i>	765.65 153.13	
31 13 13 00-0046 Shrub Removal <small>(31 13 13)</small>		
31 13 13 00-0047 EA Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	45.91	
31 13 13 00-0048 EA Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	71.99	
31 13 13 00-0049 EA Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	83.47	
31 13 13 00-0050 EA Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	125.20	
31 13 13 00-0051 EA Removal Of 12" To 15" Shrub, Deciduous.....	22.96	
31 13 13 00-0052 EA Removal Of 18" To 24" Shrub, Deciduous.....	35.47	
31 13 13 00-0053 EA Removal Of 2' To 3' Shrub, Deciduous.....	45.91	
31 13 13 00-0054 EA Removal Of 3' To 4' Shrub, Deciduous.....	50.08	
31 13 13 00-0055 EA Removal Of 18" To 24" Shrub, Evergreen.....	45.91	
31 13 13 00-0056 EA Removal Of 24" To 30" Shrub, Evergreen.....	50.08	
31 13 13 00-0057 EA Removal Of 30" To 36" Shrub, Evergreen.....	71.99	

31	31 Earthwork
	31 10 Site Clearing
	31 13 Selective Tree and Shrub Removal and Trimming



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 13 13 00-0058 EA Removal Of 36" To 42" Shrub, Evergreen125.20

31 13 13 00-0059 Fallen Tree Removal ^(31 13 13)
 Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

31 13 13 00-0060 EA Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	490.27
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	
<i>For >25, Deduct</i>	
-122.57	
-61.28	
31 13 13 00-0061 EA >6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	735.39
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	
<i>For >25, Deduct</i>	
-183.85	
-91.92	
31 13 13 00-0062 EA >12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	980.53
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	
<i>For >10, Deduct</i>	
-245.13	
-98.05	
31 13 13 00-0063 EA >24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,470.80
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	
<i>For >10, Deduct</i>	
-367.70	
-147.08	
31 13 13 00-0064 EA >36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,961.05
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	
<i>For >10, Deduct</i>	
-490.26	
-196.11	
31 13 13 00-0065 EA >48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	2,451.32
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	
<i>For >10, Deduct</i>	
-612.83	
-245.13	

31 13 16 Selective Tree and Shrub Trimming ^(31 13)
 See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance ^(31 13 16)
 Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.98
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.97
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	3.49

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure ^(31 13 16)
 Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006 EA Trim Tree Branch Minimum Charge.....	706.35
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
31 13 16 00-0007 EA Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	17.66
31 13 16 00-0008 EA >1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	19.86
31 13 16 00-0009 EA >2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	24.28
31 13 16 00-0010 EA Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	22.07
31 13 16 00-0011 EA >1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	24.83
31 13 16 00-0012 EA >2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	30.35

31 20 Earth Moving ⁽³¹⁾

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation and Fill ^(31 23)

31 23 16 Excavation ^(31 23)



Earthwork	31	13
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 23 16 13	Trenching <small>(31 23 16)</small>	
	Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.	
31 23 16 13-0001	Excavation For Trenching By Machine <small>(31 23 16 13)</small>	
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0002	CY 12" Wide or Less, Excavation for Trenching by Machine in Soil	11.20
	<i>For Excavation In Light Material (Class A), Deduct</i>	-1.40
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	4.48
	<i>For Up To 20, Add</i>	11.20
	<i>For >20 To 50, Add</i>	8.40
	<i>For >50 To 250, Add</i>	4.48
	<i>For >250 To 500, Add</i>	1.68
	<i>For >1,000, Deduct</i>	-1.68
31 23 16 13-0003	CY Over 12" Wide, Excavation for Trenching by Machine in Soil	7.41
	<i>For Excavation In Light Material (Class A), Deduct</i>	-0.93
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.96
	<i>For Up To 20, Add</i>	7.41
	<i>For >20 To 50, Add</i>	5.56
	<i>For >50 To 250, Add</i>	2.96
	<i>For >250 To 500, Add</i>	1.11
	<i>For >1,000, Deduct</i>	-1.11
31 23 16 13-0004	CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	18.53
	Note: Includes compacted aggregate	
	<i>For Up To 20, Add</i>	18.53
	<i>For >20 To 50, Add</i>	13.90
	<i>For >50 To 250, Add</i>	7.41
	<i>For >250 To 500, Add</i>	2.78
	<i>For >1,000, Deduct</i>	-2.78
31 23 16 13-0005	CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	13.16
	Note: Includes compacted aggregate	
	<i>For Up To 20, Add</i>	13.16
	<i>For >20 To 50, Add</i>	9.87
	<i>For >50 To 250, Add</i>	5.26
	<i>For >250 To 500, Add</i>	1.97
	<i>For >1,000, Deduct</i>	-1.97
31 23 16 13-0006	Excavation For Trenching By Hand <small>(31 23 16 13)</small>	
31 23 16 13-0007	CY Excavation For Trenching By Hand In Soil	126.55
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	217.07
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0009	Backfilling Or Placing Subbase For Trenches <small>(31 23 16 13)</small>	
	Note: With imported or stockpiled materials.	
31 23 16 13-0010	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.07
	<i>For Up To 20, Add</i>	4.07
	<i>For >20 To 50, Add</i>	3.05
	<i>For >50 To 250, Add</i>	1.63
	<i>For >250 To 500, Add</i>	0.61
	<i>For >1,000, Deduct</i>	-0.61
31 23 16 13-0011	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	35.15
31 23 16 13-0012	Compaction Of Fill Or Subbase For Trenches <small>(31 23 16 13)</small>	
	Note: Includes restoration of final grade.	
31 23 16 13-0013	CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	7.37
	<i>For Up To 20, Add</i>	7.37
	<i>For >20 To 50, Add</i>	5.53
	<i>For >50 To 250, Add</i>	2.95
	<i>For >250 To 500, Add</i>	1.11
	<i>For >1,000, Deduct</i>	-1.11
31 23 16 13-0014	CY Compaction of Fill or Subbase for Trenches by Hand	39.66
31 23 16 13-0015	Loading Excess Material For Removal From Excavation For Trenches <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.	
31 23 16 13-0016	CY Load Excess Material by Machine for Removal from Excavation for Trenching	7.07
	<i>For Up To 20, Add</i>	7.07
	<i>For >20 To 50, Add</i>	5.30
	<i>For >50 To 250, Add</i>	2.83
	<i>For >250 To 500, Add</i>	1.06
	<i>For >1,000, Deduct</i>	-1.06
31 23 16 13-0017	CY Load Excess Material by Hand for Removal from Excavation for Trenching	92.79
31 23 16 13-0018	Spread Excess Or Imported Material For Trenches <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up.	

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0019	CY		Spread Excess Or Imported Material On Site With Machine	3.35	
			<i>For Up To 20, Add</i>	3.35	
			<i>For >20 To 50, Add</i>	2.51	
			<i>For >50 To 250, Add</i>	1.34	
			<i>For >250 To 500, Add</i>	0.50	
			<i>For >1,000, Deduct</i>	-0.50	
31 23 16 13-0020			Direct Burial (Plowed-in) Cable Or Piping By Machine <small>(31 23 16 13)</small>		
			Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021	LF		Direct Burial of Cable or Piping up to 12" Deep	2.62	
31 23 16 13-0022	LF		Direct Burial of Cable or Piping >12" to 24" Deep	2.87	
31 23 16 13-0023	LF		Direct Burial of Cable or Piping >24" to 36" Deep	4.09	
31 23 16 13-0024	LF		Direct Burial of Cable or Piping >36" to 48" Deep	4.61	
31 23 16 13-0025			Utility Chain Trencher <small>(31 23 16 13)</small>		
31 23 16 13-0026			Utility Trench, Chain Trencher <small>(31 23 16 13-0025)</small>		
			Note: Earth left adjacent to trench.		
31 23 16 13-0027	LF		4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.35	
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500, Deduct</i>	-0.41	
31 23 16 13-0028	LF		4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.48	
			<i>For >100 To 250, Deduct</i>	-0.10	
			<i>For >250 To 500, Deduct</i>	-0.22	
			<i>For >500, Deduct</i>	-0.44	
31 23 16 13-0029	LF		4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.54	
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500, Deduct</i>	-0.46	
31 23 16 13-0030	LF		6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.63	
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500, Deduct</i>	-0.49	
31 23 16 13-0031	LF		6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.78	
			<i>For >100 To 250, Deduct</i>	-0.12	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500, Deduct</i>	-0.53	
31 23 16 13-0032	LF		6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.03	
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500, Deduct</i>	-0.61	
31 23 16 13-0033	LF		6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.44	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.73	
31 23 16 13-0034	LF		8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.30	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.69	
31 23 16 13-0035	LF		8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.71	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.81	
31 23 16 13-0036	LF		8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.08	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.92	
31 23 16 13-0037	LF		8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	3.66	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-1.10	
31 23 16 13-0038			Backfill Trenches With Compaction <small>(31 23 16 13-0025)</small>		
31 23 16 13-0039	LF		Backfill 4" Wide, 12" Deep Trench, With Compaction	0.21	
			<i>For >100 To 250, Deduct</i>	-0.01	
			<i>For >250 To 500, Deduct</i>	-0.03	
			<i>For >500, Deduct</i>	-0.06	
31 23 16 13-0040	LF		Backfill 4" Wide, 18" Deep Trench, With Compaction	0.33	
			<i>For >100 To 250, Deduct</i>	-0.02	
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500, Deduct</i>	-0.10	
31 23 16 13-0041	LF		Backfill 4" Wide, 24" Deep Trench, With Compaction	0.44	
			<i>For >100 To 250, Deduct</i>	-0.03	
			<i>For >250 To 500, Deduct</i>	-0.07	
			<i>For >500, Deduct</i>	-0.13	
31 23 16 13-0042	LF		Backfill 6" Wide, 12" Deep Trench, With Compaction	0.33	
			<i>For >100 To 250, Deduct</i>	-0.02	
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500, Deduct</i>	-0.10	



Earthwork	31	13
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0043 LF Backfill 6" Wide, 18" Deep Trench, With Compaction.....	0.44	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.13	
31 23 16 13-0044 LF Backfill 6" Wide, 24" Deep Trench, With Compaction.....	0.66	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.10	
For >500, Deduct	-0.20	
31 23 16 13-0045 LF Backfill 6" Wide, 36" Deep Trench, With Compaction.....	0.94	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.14	
For >500, Deduct	-0.28	
31 23 16 13-0046 LF Backfill 8" Wide, 12" Deep Trench, With Compaction.....	0.44	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.13	
31 23 16 13-0047 LF Backfill 8" Wide, 18" Deep Trench, With Compaction.....	0.66	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.10	
For >500, Deduct	-0.20	
31 23 16 13-0048 LF Backfill 8" Wide, 24" Deep Trench, With Compaction.....	0.88	
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.13	
For >500, Deduct	-0.26	
31 23 16 13-0049 LF Backfill 8" Wide, 36" Deep Trench, With Compaction.....	1.32	
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.20	
For >500, Deduct	-0.40	

31 23 16 16 Structural Excavation for Minor Structures (31 23 16)

31 23 16 16-0001 Post Holes (31 23 16 16)
Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil (31 23 16 16-0001)
Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	9.77
31 23 16 16-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.99
31 23 16 16-0005 VLF 3" Diameter Hole, Auger By Machine Post Hole In Soil	13.02
31 23 16 16-0006 VLF 4" Diameter Hole, Auger By Machine Post Hole In Soil	14.65
31 23 16 16-0007 VLF 6" Diameter Hole, Auger By Machine Post Hole In Soil	15.99
31 23 16 16-0008 VLF 8" Diameter Hole, Auger By Machine Post Hole In Soil	17.58
31 23 16 16-0009 VLF 10" Diameter Hole, Auger By Machine Post Hole In Soil	19.53
31 23 16 16-0010 VLF 12" Diameter Hole, Auger By Machine Post Hole In Soil	21.98
31 23 16 16-0011 VLF 18" Diameter Hole, Auger By Machine Post Hole In Soil	25.12
31 23 16 16-0012 VLF 24" Diameter Hole, Auger By Machine Post Hole In Soil	29.30
31 23 16 16-0013 VLF 30" Diameter Hole, Auger By Machine Post Hole In Soil	35.17
31 23 16 16-0014 VLF 36" Diameter Hole, Auger By Machine Post Hole In Soil	43.96

31 23 16 16-0015 Drilling Post Hole In Rock (31 23 16 16-0001)

31 23 16 16-0016 CF Jackhammer Post Hole, Rock.....	71.07
31 23 16 16-0017 CF Rock Drill Post Hole, Rock.....	21.28

31 23 16 16-0018 Post Hole Fill (31 23 16 16-0001)

31 23 16 16-0019 Concrete Fill (31 23 16 16-0018)

31 23 16 16-0020 VLF Concrete Fill, Up To 2-1/2" Diameter Hole.....	6.60
31 23 16 16-0021 VLF Concrete Fill, 2-1/2" Diameter Hole	8.46
31 23 16 16-0022 VLF Concrete Fill, 3" Diameter Hole	9.44
31 23 16 16-0023 VLF Concrete Fill, 4" Diameter Hole	11.13
31 23 16 16-0024 VLF Concrete Fill, 6" Diameter Hole	15.87
31 23 16 16-0025 VLF Concrete Fill, 8" Diameter Hole	21.20
31 23 16 16-0026 VLF Concrete Fill, 10" Diameter Hole	26.02
31 23 16 16-0027 VLF Concrete Fill, 12" Diameter Hole	30.51
31 23 16 16-0028 VLF Concrete Fill, 18" Diameter Hole	42.41
31 23 16 16-0029 VLF Concrete Fill, 24" Diameter Hole	53.47
31 23 16 16-0030 VLF Concrete Fill, 30" Diameter Hole	64.32
31 23 16 16-0031 VLF Concrete Fill, 36" Diameter Hole	75.72

31 23 16 16-0032 Grout Fill (31 23 16 16-0018)

31 23 16 16-0033 VLF Grout Fill, Up To 2-1/2" Diameter Hole	7.57
31 23 16 16-0034 VLF Grout Fill, 2-1/2" Diameter Hole.....	9.71
31 23 16 16-0035 VLF Grout Fill, 3" Diameter Hole	10.71
31 23 16 16-0036 VLF Grout Fill, 4" Diameter Hole	12.34
31 23 16 16-0037 VLF Grout Fill, 6" Diameter Hole	17.44
31 23 16 16-0038 VLF Grout Fill, 8" Diameter Hole	23.27
31 23 16 16-0039 VLF Grout Fill, 10" Diameter Hole	28.47
31 23 16 16-0040 VLF Grout Fill, 12" Diameter Hole	33.24
31 23 16 16-0041 VLF Grout Fill, 18" Diameter Hole	45.38

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation and Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0042 VLF Grout Fill, 24" Diameter Hole	56.40	
31 23 16 16-0043 VLF Grout Fill, 30" Diameter Hole	67.15	
31 23 16 16-0044 VLF Grout Fill, 36" Diameter Hole	78.32	
31 23 16 16-0045 Earth Fill, Compacted <small>(31 23 16 16-0018)</small>		
31 23 16 16-0046 VLF Earth Fill, Up To 2-1/2" Diameter Hole.....	4.69	
31 23 16 16-0047 VLF Earth Fill, 2-1/2" Diameter Hole	6.11	
31 23 16 16-0048 VLF Earth Fill, 3" Diameter Hole.....	6.39	
31 23 16 16-0049 VLF Earth Fill, 4" Diameter Hole.....	6.57	
31 23 16 16-0050 VLF Earth Fill, 6" Diameter Hole.....	8.79	
31 23 16 16-0051 VLF Earth Fill, 8" Diameter Hole.....	11.71	
31 23 16 16-0052 VLF Earth Fill, 10" Diameter Hole.....	14.06	
31 23 16 16-0053 VLF Earth Fill, 12" Diameter Hole.....	15.94	
31 23 16 16-0054 VLF Earth Fill, 18" Diameter Hole.....	19.42	
31 23 16 16-0055 VLF Earth Fill, 24" Diameter Hole.....	21.80	
31 23 16 16-0056 VLF Earth Fill, 30" Diameter Hole.....	23.91	
31 23 16 16-0057 VLF Earth Fill, 36" Diameter Hole.....	25.78	
31 23 16 26 Rock Removal <small>(31 23 16)</small>		
31 23 16 26-0001 Rock Breaking By Machine <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	30.00	
31 23 16 26-0003 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	32.00	
31 23 16 26-0004 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	38.00	
31 23 16 33 Bulk Excavation <small>(31 23 16)</small>		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
31 23 16 33-0001 Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil	10.46	
<i>For Excavation In Light Material (Class A), Deduct</i>		
	-1.31	
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>		
	4.18	
<i>For >1,000, Deduct</i>		
	-1.57	
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	5.98	
<i>For Excavation In Light Material (Class A), Deduct</i>		
	-0.75	
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>		
	2.39	
<i>For >1,000, Deduct</i>		
	-0.90	
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock	12.88	
Note: Includes compacted aggregate		
<i>For >1,000, Deduct</i>		
	-1.93	
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	7.36	
Note: Includes compacted aggregate		
<i>For >1,000, Deduct</i>		
	-1.10	
31 23 16 33-0006 Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small>		
Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007 CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	6.45	
<i>For >1,000, Deduct</i>		
	-0.97	
31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0009 CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.18	
<i>For >1,000, Deduct</i>		
	-1.08	
31 23 16 33-0010 Relocating On Site Excavated Material From Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	5.74	
<i>For >1,000, Deduct</i>		
	-0.86	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	8.61	
<i>For >1,000, Deduct</i>		
	-1.29	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	12.92	
<i>For >1,000, Deduct</i>		
	-1.94	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	17.22	
<i>For >1,000, Deduct</i>		
	-2.58	
31 23 16 33-0015 Finish Grading <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.71	
31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift <small>(31 23 16 33)</small>		
Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		



Earthwork	31	13
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.72	
31 23 16 33-0019 Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation For >1,000, Deduct	6.11 -0.92	
31 23 16 36 Excavation for Building Foundations and Other Structures <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	9.40 -1.18 3.76 9.40 7.05 3.76 1.41	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	11.68 11.68 8.76 4.67 1.75	
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	7.18 -0.90 2.87 7.18 5.39 2.87 1.08	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	8.54 8.54 6.41 3.42 1.28	
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add	126.55 -15.82 50.62	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock Note: Includes compacted aggregate	217.07	
31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0012 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300' For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	5.74 5.74 4.31 2.30 0.86	
31 23 16 36-0013 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500' For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	8.61 8.61 6.46 3.44 1.29	
31 23 16 36-0014 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000' For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	12.92 12.92 9.69 5.17 1.94	

31	Earthwork
31 20	Earth Moving
31 23	Excavation and Fill



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	17.22	
		<i>For Up To 20, Add</i>	17.22	
		<i>For >20 To 50, Add</i>	12.92	
		<i>For >50 To 250, Add</i>	6.89	
		<i>For >250 To 500, Add</i>	2.58	
31 23 16 36-0016		Backfilling <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	4.64	
		<i>For Up To 20, Add</i>	4.64	
		<i>For >20 To 50, Add</i>	3.48	
		<i>For >50 To 250, Add</i>	1.86	
		<i>For >250 To 500, Add</i>	0.70	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.56	
		<i>For Up To 20, Add</i>	5.56	
		<i>For >20 To 50, Add</i>	4.17	
		<i>For >50 To 250, Add</i>	2.22	
		<i>For >250 To 500, Add</i>	0.83	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	60.26	
31 23 16 36-0020		Compaction Of Fill Or Subbase <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	11.66	
		<i>For Up To 20, Add</i>	11.66	
		<i>For >20 To 50, Add</i>	8.75	
		<i>For >50 To 250, Add</i>	4.66	
		<i>For >250 To 500, Add</i>	1.75	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	39.65	
31 23 16 36-0023		Grading <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures.		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.23	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.00	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	11.71	
31 23 16 36-0027		Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.36	
		<i>For Up To 20, Add</i>	6.36	
		<i>For >20 To 50, Add</i>	4.77	
		<i>For >50 To 250, Add</i>	2.54	
		<i>For >250 To 500, Add</i>	0.95	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	92.79	
31 23 16 36-0030		Spread Material <small>(31 23 16 36)</small>		
		Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material On Site By Machine	3.35	
		<i>For Up To 20, Add</i>	3.35	
		<i>For >20 To 50, Add</i>	2.51	
		<i>For >50 To 250, Add</i>	1.34	
		<i>For >250 To 500, Add</i>	0.50	
31 23 16 36-0032	CY	Spread Excess Or Imported Material On Site By Hand	51.20	
31 23 16 46		Excavation Operations to Expose Underground Pipes and Structures <small>(31 23 16)</small>		
		Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.		
31 23 16 46-0001		Excavation To Expose Underground Pipe Or Structures <small>(31 23 16 46)</small>		
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.		
31 23 16 46-0002		Excavation By Machine To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>		
31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	14.37	
		<i>For Excavation In Light Material (Class A), Deduct</i>	-1.80	
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	5.75	
		<i>For Up To 20, Add</i>	14.37	
		<i>For >20 To 50, Add</i>	10.78	
		<i>For >50 To 250, Add</i>	5.75	
		<i>For >250 To 500, Add</i>	2.16	



Earthwork	31	13
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0004 CY Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures.....	17.06	
<i>For Up To 20, Add</i>	17.06	
<i>For >20 To 50, Add</i>	12.80	
<i>For >50 To 250, Add</i>	6.82	
<i>For >250 To 500, Add</i>	2.56	
31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>		
31 23 16 46-0006 CY Excavation By Hand In Soil To Expose Underground Pipes And Structures.....	158.18	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 46-0007 CY Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures.....	236.21	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>		
Note: With imported or stockpiled materials		
31 23 16 46-0009 CY Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures.....	10.77	
<i>For >20 To 50, Add</i>	8.08	
<i>For >50 To 250, Add</i>	4.31	
<i>For >250 To 500, Add</i>	1.62	
31 23 16 46-0010 CY Backfilling by Hand At Exposed Underground Pipes And Structures.....	71.71	
31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>		
Note: With imported or stockpiled materials		
31 23 16 46-0012 CY Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures.....	14.70	
<i>For Up To 20, Add</i>	14.70	
<i>For >20 To 50, Add</i>	11.03	
<i>For >50 To 250, Add</i>	5.88	
<i>For >250 To 500, Add</i>	2.21	
31 23 16 46-0013 CY Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures.....	47.59	
31 23 16 46-0014 Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>		
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 46-0015 CY Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures.....	7.07	
<i>For Up To 20, Add</i>	7.07	
<i>For >20 To 50, Add</i>	5.30	
<i>For >50 To 250, Add</i>	2.83	
<i>For >250 To 500, Add</i>	1.06	
<i>For >1,000, Deduct</i>	-1.06	
31 23 16 46-0016 CY Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures.....	92.79	
31 23 16 46-0017 Spread Excess Or Imported Material At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>		
Note: Includes hand work by laborer for clean-up.		
31 23 16 46-0018 CY Spread Excess Or Imported Material On Site By Machine At Exposed Underground Pipe Or Structures.....	3.35	
<i>For Up To 20, Add</i>	3.35	
<i>For >20 To 50, Add</i>	2.51	
<i>For >50 To 250, Add</i>	1.34	
<i>For >250 To 500, Add</i>	0.50	
<i>For >1,000, Deduct</i>	-0.50	
31 23 16 46-0019 CY Spread Excess Or Imported Material On Site By Hand At Exposed Underground Pipe Or Structures.....	51.20	
31 23 19 Dewatering <small>(31 23)</small>		
31 23 19 00-0001 Well Point Dewatering System <small>(31 23 19)</small>		
31 23 19 00-0002 Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>		
Note: Priced by linear foot of header used.		
31 23 19 00-0003 LF Up To 100' In Length Well Point System Delivery, Installation And Removal.....	130.42	
31 23 19 00-0004 LF >100' To 250' In Length Well Point System Delivery, Installation And Removal.....	71.73	
31 23 19 00-0005 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	65.21	
31 23 19 00-0006 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	58.69	
31 23 19 00-0007 LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	52.17	
31 23 19 00-0008 LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	45.65	
31 23 19 00-0009 Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>		
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0010	LFD		Up To 100' In Length Well Point System Rental (LF x Days = Quantity) <i>For >5 Days And <1 Month, Deduct</i> <i>For >1 Month, Deduct</i>	4.68 -1.03 -1.31	
31 23 19 00-0011	LFD		>100' To 250' In Length Well Point System Rental (LF x Days = Quantity) <i>For >5 Days And <1 Month, Deduct</i> <i>For >1 Month, Deduct</i>	2.73 -0.60 -0.76	
31 23 19 00-0012	LFD		>250' To 500' In Length Well Point System Rental (LF x Days = Quantity) <i>For >5 Days And <1 Month, Deduct</i> <i>For >1 Month, Deduct</i>	1.95 -0.43 -0.55	
31 23 19 00-0013	LFD		>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) <i>For >5 Days And <1 Month, Deduct</i> <i>For >1 Month, Deduct</i>	1.43 -0.31 -0.40	
31 23 19 00-0014	LFD		>1,000' In Length Well Point System Rental (LF x Days = Quantity) <i>For >5 Days And <1 Month, Deduct</i> <i>For >1 Month, Deduct</i>	1.30 -0.29 -0.36	
31 23 19 00-0015			Well Point Dewatering System Operation Costs (31 23 19 00-0001) Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR		Operation Costs.....	154.66	
31 23 23	Fill	(31 23)			
31 23 23 23	Compaction	(31 23 23)			
31 23 23 23-0001			Compaction Water, Water Truck And Operator (31 23 23 23)		
31 23 23 23-0002	MGL		Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	283.17	
31 24	Embankments	(31 24)			
31 24 13	Roadway Embankments	(31 24)			
31 24 13 00-0001			Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13) Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002			Cutting, Shaping And Rough Grading (31 24 13 00-0001) Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003			Cutting, Shaping, And Rough Grading (31 24 13 00-0002)		
31 24 13 00-0004	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >1,000, Deduct</i>	7.18 7.18 5.39 2.87 1.08 -1.08	
31 24 13 00-0005	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock..... Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >1,000, Deduct</i>	8.90 8.90 6.68 3.56 1.34 -1.34	
31 24 13 00-0006			Cutting, Shaping, And Rough Grading By Hand (31 24 13 00-0002)		
31 24 13 00-0007	SY		Shape Embankment/Slope By Hand Up To 1 On 4 Slope	6.49	
31 24 13 00-0008	SY		Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	8.44	
31 24 13 00-0009			Scarify Soil (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF		Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.64 3.32 1.66 -0.66 -1.33	
31 24 13 00-0011			Relocating On Site Excavated Material (31 24 13 00-0001)		



Earthwork	31	15
Earth Moving	31 20	
Embankments	31 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	12.92	
<i>For Up To 20, Add</i>	12.92	
<i>For >20 To 50, Add</i>	9.69	
<i>For >50 To 250, Add</i>	5.17	
<i>For >250 To 500, Add</i>	1.94	
<i>For >1,000, Deduct</i>	-1.94	
31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	17.22	
<i>For Up To 20, Add</i>	17.22	
<i>For >20 To 50, Add</i>	12.92	
<i>For >50 To 250, Add</i>	6.89	
<i>For >250 To 500, Add</i>	2.58	
<i>For >1,000, Deduct</i>	-2.58	
31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>		
<i>Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.</i>		
31 24 13 00-0015 CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine.....	7.89	
<i>For Up To 20, Add</i>	7.89	
<i>For >20 To 50, Add</i>	5.92	
<i>For >50 To 250, Add</i>	3.16	
<i>For >250 To 500, Add</i>	1.18	
<i>For >1,000, Deduct</i>	-1.18	
31 24 13 00-0016 Grading <small>(31 24 13 00-0001)</small>		
<i>Note: For roadways, parking areas, landscaping and embankments by machine.</i>		
31 24 13 00-0017 SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.80	
31 24 13 00-0018 SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	1.06	
31 24 13 00-0019 LF Finish Grade For Curb.....	1.19	
31 24 13 00-0020 LF Finish Grade For Curb And Gutter.....	1.47	
31 24 13 00-0021 Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small>		
<i>Note: For roadways, parking areas, landscaping and embankments by machine, per lift.</i>		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.72	
<i>For Up To 250, Add</i>	0.72	
<i>For >250 To 500, Add</i>	0.54	
<i>For >500 To 1,000, Add</i>	0.29	
<i>For >5,000, Deduct</i>	-0.11	
31 24 13 00-0023 Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small>		
<i>Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.</i>		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine.....	6.11	
<i>For Up To 20, Add</i>	6.11	
<i>For >20 To 50, Add</i>	4.58	
<i>For >50 To 250, Add</i>	2.44	
<i>For >250 To 500, Add</i>	0.92	
<i>For >1,000, Deduct</i>	-0.92	
31 25 Erosion and Sedimentation Controls <small>(31 20)</small>		
31 25 14 Stabilization Measures for Erosion and Sedimentation Control <small>(31 25)</small>		
31 25 14 13 Hydraulically-Applied Erosion Control <small>(31 25 14)</small>		
31 25 14 13-0001 Bonded Fiber Matrix <small>(31 25 14 13)</small>		
31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	61.42	
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	56.47	
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	52.27	
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied.....	49.88	
31 25 14 16 Rolled Erosion Control Mats and Blankets <small>(31 25 14)</small>		
<i>Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.</i>		
31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket.....	3.04	
<i>Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.</i>		
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket.....	3.94	
<i>Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.</i>		
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket.....	2.88	
<i>Note: As manufactured by American Excelsior</i>		

31 Earthwork**31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.04	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	2.69	
31 25 14 16-0008		Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket..... Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	3.93	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket..... Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.34	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.26	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.42	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket..... Note: As manufactured by American Excelsior.	3.65	
31 25 14 16-0014		Turf Reinforcement Mats (TRM) (31 25 14 16-0001) Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat..... Note: 100% synthetic, UV stabilized, 2 layer netting.	14.26	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	13.09	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	16.30	
31 25 14 16-0018		Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave.....	5.52	
31 25 14 16-0020		Revegetation Mat (31 25 14 16-0001)		
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.26	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber..... Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.15	
31 25 14 23		Stabilization Measures for Erosion Control (31 25 14) See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
31 25 14 23-0001		Sand Bags (31 25 14 23) Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	6.44 -0.53 -1.18	2.67
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	8.32 -0.66 -1.49	3.31
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	10.53 -0.79 -1.85	3.96
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	12.95 -0.99 -2.29	4.95
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	15.78 -1.19 -2.77	5.94
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	18.42 -1.35 -3.19	6.75
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	154.17 -9.13 -24.55	48.14
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct For >5,000, Deduct	199.79 -10.05 -30.03	52.95
31 25 14 23-0010		Gravel Bags (31 25 14 23) Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel For >2,500 To 5,000, Deduct For >5,000, Deduct	7.07 -0.35 -1.06	1.78
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel..... For >2,500 To 5,000, Deduct For >5,000, Deduct	12.54 -0.53 -1.79	2.67



Earthwork	31	13
Earth Moving	31 20	
Erosion and Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 25 14 23-0013	Floating Turbidity Curtain <small>(31 25 14 23)</small>	
	Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.	
31 25 14 23-0014	LF 3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	27.09
	For Type 1, Deduct	-4.23
	For 13 Oz PVC Fabric, Type 2, Deduct	-2.58
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	3.13
31 25 14 23-0015	LF 4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	29.37
	For Type 1, Deduct	-4.66
	For 13 Oz PVC Fabric, Type 2, Deduct	-2.84
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	3.44
31 25 14 23-0016	LF 5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	32.52
	For Type 1, Deduct	-5.28
	For 13 Oz PVC Fabric, Type 2, Deduct	-3.21
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	3.90
31 25 14 23-0017	LF 6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	35.21
	For Type 1, Deduct	-5.79
	For 13 Oz PVC Fabric, Type 2, Deduct	-3.52
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.28
31 25 14 23-0018	LF 7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	36.95
	For Type 1, Deduct	-6.07
	For 13 Oz PVC Fabric, Type 2, Deduct	-3.69
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.49
31 25 14 23-0019	LF 8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	38.69
	For Type 1, Deduct	-6.35
	For 13 Oz PVC Fabric, Type 2, Deduct	-3.87
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.70
31 25 14 23-0020	LF 9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	40.72
	For Type 1, Deduct	-6.69
	For 13 Oz PVC Fabric, Type 2, Deduct	-4.07
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.95
31 25 14 23-0021	LF 10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	43.51
	For Type 1, Deduct	-7.20
	For 13 Oz PVC Fabric, Type 2, Deduct	-4.38
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.32
31 25 14 23-0022	LF 12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	45.72
	For Type 1, Deduct	-7.57
	For 13 Oz PVC Fabric, Type 2, Deduct	-4.61
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.59
31 25 14 23-0023	LF 13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	48.70
	For Type 1, Deduct	-8.10
	For 13 Oz PVC Fabric, Type 2, Deduct	-4.93
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.99
31 25 14 23-0024	LF 14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	51.45
	For Type 1, Deduct	-8.58
	For 13 Oz PVC Fabric, Type 2, Deduct	-5.22
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.34
31 25 14 23-0025	LF 15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	54.13
	For Type 1, Deduct	-9.03
	For 13 Oz PVC Fabric, Type 2, Deduct	-5.50
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.68
31 25 14 23-0026	LF 16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	58.92
	For Type 1, Deduct	-9.97
	For 13 Oz PVC Fabric, Type 2, Deduct	-6.07
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.37
31 25 14 23-0027	LF 17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	61.78
	For Type 1, Deduct	-10.45
	For 13 Oz PVC Fabric, Type 2, Deduct	-6.36
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.72
31 25 14 23-0028	LF 18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	64.57
	For Type 1, Deduct	-10.90
	For 13 Oz PVC Fabric, Type 2, Deduct	-6.63
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.05
31 25 14 23-0029	LF 19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	67.52
	For Type 1, Deduct	-11.38
	For 13 Oz PVC Fabric, Type 2, Deduct	-6.93
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.41
31 25 14 23-0030	LF 20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	70.38
	For Type 1, Deduct	-11.83
	For 13 Oz PVC Fabric, Type 2, Deduct	-7.20
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.74

31 25 14 23-0031	Turbidity Curtain Anchors <small>(31 25 14 23)</small>	
31 25 14 23-0032	EA 14 LB, Turbidity Curtain Anchor System.....	732.97
	Note: Includes anchor, anchor chain, and marker buoy and rope.	
31 25 14 23-0033	EA 25 LB, Turbidity Curtain Anchor System.....	1,005.32
	Note: Includes anchor, anchor chain, and marker buoy and rope.	
31 25 14 23-0034	EA 40 LB, Turbidity Curtain Anchor System.....	1,278.86
	Note: Includes anchor, anchor chain, and marker buoy and rope.	
31 25 14 23-0035	EA 65 LB, Turbidity Curtain Anchor System.....	1,672.87
	Note: Includes anchor, anchor chain, and marker buoy and rope.	

31 25 14 23-0036 Filter Bags (31 25 14 23)

31	31	Earthwork
	31 20	Earth Moving
	31 25	Erosion and Sedimentation Controls



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 25 14 23-0037	Non-Woven Filter Bags <small>(31 25 14 23-0036)</small>	
31 25 14 23-0038	EA 6' x 15' Non-Woven Filter Bag	247.02
31 25 14 23-0039	EA 13' x 15' Non-Woven Filter Bag	357.60
31 25 14 23-0040	EA 15' x 15' Non-Woven Filter Bag	410.95

31 25 14 23-0041	Monofilament Filter Bags <small>(31 25 14 23-0036)</small>	
31 25 14 23-0042	EA 5' x 15' Monofilament Filter Bag	256.88
31 25 14 23-0043	EA 10' x 15' Monofilament Filter Bag	355.85

31 25 14 23-0044	Cable Articulating Concrete Block <small>(31 25 14 23)</small>	
<small>Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revelment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.</small>		
31 25 14 23-0045	SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill	45.62
	<i>For Up To 500, Add</i>	10.21
	<i>For >500 To 1,000, Add</i>	5.65
31 25 14 23-0046	SF 6" Open Cell Articulated Concrete Block With Earth Backfill	52.36
	<i>For Up To 500, Add</i>	11.65
	<i>For >500 To 1,000, Add</i>	6.42
31 25 14 23-0047	SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill	60.07
	<i>For Up To 500, Add</i>	13.32
	<i>For >500 To 1,000, Add</i>	7.31
31 25 14 23-0048	SF 9" Open Cell Articulated Concrete Block With Earth Backfill	67.80
	<i>For Up To 500, Add</i>	15.01
	<i>For >500 To 1,000, Add</i>	8.23
31 25 14 23-0049	SF 4.75" Closed Cell Articulated Concrete Block	49.22
	<i>For Up To 500, Add</i>	10.93
	<i>For >500 To 1,000, Add</i>	6.01
31 25 14 23-0050	SF 6" Closed Cell Articulated Concrete Block	56.67
	<i>For Up To 500, Add</i>	12.52
	<i>For >500 To 1,000, Add</i>	6.85
31 25 14 23-0051	SF 7.5" Closed Cell Articulated Concrete Block	65.18
	<i>For Up To 500, Add</i>	14.34
	<i>For >500 To 1,000, Add</i>	7.82
31 25 14 23-0052	SF 9" Closed Cell Articulated Concrete Block	73.65
	<i>For Up To 500, Add</i>	16.18
	<i>For >500 To 1,000, Add</i>	8.81

31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)

31 25 14 26-0001	Silt Fences And Dike Barriers <small>(31 25 14 26)</small>	
<small>Note: Includes stakes and embedding.</small>		
31 25 14 26-0002	Silt Fences 2' High <small>(31 25 14 26-0001)</small>	
<small>See CSI section 31 25 14 26-0014 for removal of silt fence.</small>		
31 25 14 26-0003	LF 2' High Silt Fence with Stakes at 4' On Center	4.19
31 25 14 26-0004	LF 2' High Silt Fence with Stakes at 6' On Center	3.37
31 25 14 26-0005	LF 2' High Silt Fence with Stakes at 8' On Center	2.51
31 25 14 26-0006	LF 2' High Silt Fence with Stakes at 10' On Center	2.27

31 25 14 26-0007	Silt Fences 3' High <small>(31 25 14 26-0001)</small>	
<small>See CSI section 31 25 14 26-0014 for removal of silt fence.</small>		
31 25 14 26-0008	LF 3' High Silt Fence with Stakes at 4' On Center	4.42
31 25 14 26-0009	LF 3' High Silt Fence with Stakes at 6' On Center	3.81
31 25 14 26-0010	LF 3' High Silt Fence with Stakes at 8' On Center	2.68
31 25 14 26-0011	LF 3' High Silt Fence with Stakes at 10' On Center	2.43

31 25 14 26-0012	Silt Dike Barrier <small>(31 25 14 26-0001)</small>	
31 25 14 26-0013	LF Silt Dike Barrier With Stakes	6.00

31 25 14 26-0014	Silt Fences Removal <small>(31 25 14 26-0001)</small>	
31 25 14 26-0015	LF Removal Of Silt Fence And Stakes	0.84

31 25 14 26-0016	Hay And Straw Bales <small>(31 25 14 26)</small>	
<small>Note: Includes trench for placement, and stakes.</small>		
31 25 14 26-0017	LF Place Sterilized Straw Bales	5.46
<small>Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.</small>		
31 25 14 26-0018	LF Place Hay Bales	4.97
<small>Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.</small>		
31 25 14 26-0019	LF Removal Of Hay Or Straw Bales	1.51
<small>Note: Includes removal of stakes.</small>		

31 25 14 26-0020	Sediment Logs (Degradable) <small>(31 25 14 26)</small>	
-------------------------	--	--



Earthwork	31	13
Earth Moving	31 20	
Erosion and Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0021 Sediment Logs (Degradable) <small>(31 25 14 26-0020)</small>		
<i>Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.</i>		
31 25 14 26-0022 LF 9" Sediment Fiber Roll Log	6.98	
31 25 14 26-0023 LF 12" Sediment Fiber Roll Log	8.16	
31 25 14 26-0024 LF 20" Sediment Fiber Roll Log	13.02	
31 25 14 26-0025 Wattles (Degradable) With UV Stabilized Synthetic Netting <small>(31 25 14 26-0020)</small>		
<i>Note: Includes trench for placement, 24" wood staking at 4' on-center</i>		
31 25 14 26-0026 EA Wattles (Sterile Straw Filled Rolls), 8" x 25'	128.02	
31 25 14 26-0027 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'	136.22	
31 25 14 26-0028 EA Wattles (Sterile Straw Filled Rolls), 12" x 20'	151.69	
31 25 14 26-0029 EA Wattles (Sterile Straw Filled Rolls), 20" x 10'	177.32	
31 25 14 26-0030 Fiber Roll (CALTRANS Type 1) <small>(31 25 14 26)</small>		
<i>Note: Includes furrow trench for placement, 24" wood staking at 4' on-center</i>		
31 25 14 26-0031 LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	6.70	
<i>For >1,000 To 10,000, Deduct</i>		-0.75
<i>For >10,000, Deduct</i>		-1.27
31 25 14 26-0032 LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	7.07	
<i>For >1,000 To 10,000, Deduct</i>		-0.77
<i>For >10,000, Deduct</i>		-1.30
31 25 14 26-0033 LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	9.59	
<i>For >1,000 To 10,000, Deduct</i>		-0.93
<i>For >10,000, Deduct</i>		-1.59
31 25 14 26-0034 Fiber Roll (CALTRANS Type 2) <small>(31 25 14 26)</small>		
<i>Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.</i>		
31 25 14 26-0035 LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	5.42	
<i>For >1,000 To 10,000, Deduct</i>		-0.56
<i>For >10,000, Deduct</i>		-0.95
31 25 14 26-0036 LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	5.96	
<i>For >1,000 To 10,000, Deduct</i>		-0.60
<i>For >10,000, Deduct</i>		-1.02
31 25 14 26-0037 LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	7.89	
<i>For >1,000 To 10,000, Deduct</i>		-0.68
<i>For >10,000, Deduct</i>		-1.16
31 25 14 26-0038 Inlet Protection Sediment Bags <small>(31 25 14 26)</small>		
<i>Note: Includes removal, cleaning, and replacement per each location.</i>		
31 25 14 26-0039 EA 2' x 2' x 3' Inlet Protection Sediment Bag	83.45	
31 25 14 26-0040 EA 2' x 3' x 3' Inlet Protection Sediment Bag	97.94	
31 25 14 26-0041 EA 2' x 4' x 3' Inlet Protection Sediment Bag	106.96	

31 30 Earthwork Methods (31)

31 31 Soil Treatment (31 30)

31 31 16 Termite Control (31 31)

31 31 16 13 Chemical Termite Control (31 31 16)

31 31 16 13-0001 Commercial Use (31 31 16 13)

31 31 16 13-0002 SF Termite Pretreatment, Commercial Soil Poisoning Under Slab	1.07
31 31 16 13-0003 SF Termite Pretreatment, Commercial Slab And Walls.....	1.49

31 31 16 13-0004 Residential Use (31 31 16 13)

31 31 16 13-0005 SF Termite Pretreatment, Residential General Spraying Walls And Slab	1.49
31 31 16 13-0006 SF Termite Treatment, Existing Residential Structure.....	1.62

31 31 19 Vegetation Control (31 31)

31 31 19 13 Chemical Vegetation Control (31 31 19)

31 31 19 13-0001 Soil Sterilants (31 31 19 13)

31 31 19 13-0002 MSF Soil Sterilant.....	32.30	
<i>Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.</i>		
<i>For >45 To 90, Deduct</i>		-0.46
<i>For >90 To 225, Deduct</i>		-2.54
<i>For >225, Deduct</i>		-3.46

31 32 Soil Stabilization (31 30)

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 32 13 Soil Mixing Stabilization (31 32)

31 32 13 16 Cement Soil Stabilization (31 32 13)

31 32 13 16-0001 Cementitious Soil Binder (31 32 13 16)

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	43.79
31 32 13 16-0003	CY	Cementitious Soil Binder, 5% Cement Mix By Volume	48.26
31 32 13 16-0004	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	51.72
31 32 13 16-0005	CY	Cementitious Soil Binder, 7% Cement Mix By Volume	56.02
31 32 13 16-0006	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	64.77
31 32 13 16-0007	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	77.63

31 32 13 19 Lime Soil Stabilization (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry (31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	39.23
31 32 13 19-0003	TON	Cement Stabilized Base Material	244.45
31 32 13 19-0004	CWT	Lime For Soil Stabilization	41.58
		Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	19.37
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.34

31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB	19.93
		For 4% Lime Instead Of 5%, Deduct	-0.74
		For 6% Lime Instead Of 5%, Add	0.74
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB	23.07
		For 4% Lime Instead Of 5%, Deduct	-0.85
		For 6% Lime Instead Of 5%, Add	0.85
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB	26.31
		For 4% Lime Instead Of 5%, Deduct	-0.97
		For 6% Lime Instead Of 5%, Add	0.97

31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	3.50
------------------	-----	-------------------------------------	------

31 32 19 Geosynthetic Soil Stabilization and Layer Separation (31 32)

31 32 19 13 Geogrid Soil Stabilization (31 32 19)

31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.40
		For Up To 50, Add	1.19
		For >50 To 150, Add	0.88
		For >150 To 250, Add	0.58
		For >250 To 500, Add	0.29
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.16
		For Up To 50, Add	1.34
		For >50 To 150, Add	1.00
		For >150 To 250, Add	0.65
		For >250 To 500, Add	0.33
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.73
		For Up To 50, Add	1.46
		For >50 To 150, Add	1.09
		For >150 To 250, Add	0.71
		For >250 To 500, Add	0.36
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.71
		For Up To 50, Add	2.06
		For >50 To 150, Add	1.54
		For >150 To 250, Add	1.01
		For >250 To 500, Add	0.51
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.11
		For Up To 50, Add	2.35
		For >50 To 150, Add	1.75
		For >150 To 250, Add	1.15
		For >250 To 500, Add	0.58



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0007 SY 4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.49	
<i>For Up To 50, Add</i>	1.20	
<i>For >50 To 150, Add</i>	0.89	
<i>For >150 To 250, Add</i>	0.58	
<i>For >250 To 500, Add</i>	0.29	
31 32 19 13-0008 SY 5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.10	
<i>For Up To 50, Add</i>	1.73	
<i>For >50 To 150, Add</i>	1.29	
<i>For >150 To 250, Add</i>	0.85	
<i>For >250 To 500, Add</i>	0.42	
 31 32 19 16 Geotextile Soil Stabilization (31 32 19)		
31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)		
Note: For drainage, filtration and separation.		
31 32 19 16-0002 SY 3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	1.67	
<i>For Up To 50, Add</i>	0.37	
<i>For >50 To 150, Add</i>	0.28	
<i>For >150 To 250, Add</i>	0.18	
<i>For >250 To 500, Add</i>	0.09	
31 32 19 16-0003 SY 3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	1.79	
<i>For Up To 50, Add</i>	0.40	
<i>For >50 To 150, Add</i>	0.29	
<i>For >150 To 250, Add</i>	0.19	
<i>For >250 To 500, Add</i>	0.10	
31 32 19 16-0004 SY 4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	1.94	
<i>For Up To 50, Add</i>	0.43	
<i>For >50 To 150, Add</i>	0.32	
<i>For >150 To 250, Add</i>	0.21	
<i>For >250 To 500, Add</i>	0.10	
31 32 19 16-0005 SY 4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	2.09	
<i>For Up To 50, Add</i>	0.46	
<i>For >50 To 150, Add</i>	0.34	
<i>For >150 To 250, Add</i>	0.22	
<i>For >250 To 500, Add</i>	0.11	
31 32 19 16-0006 SY 6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	2.49	
<i>For Up To 50, Add</i>	0.54	
<i>For >50 To 150, Add</i>	0.40	
<i>For >150 To 250, Add</i>	0.26	
<i>For >250 To 500, Add</i>	0.13	
31 32 19 16-0007 SY 7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	2.92	
<i>For Up To 50, Add</i>	0.64	
<i>For >50 To 150, Add</i>	0.47	
<i>For >150 To 250, Add</i>	0.31	
<i>For >250 To 500, Add</i>	0.15	
31 32 19 16-0008 SY 8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	3.22	
<i>For Up To 50, Add</i>	0.70	
<i>For >50 To 150, Add</i>	0.52	
<i>For >150 To 250, Add</i>	0.34	
<i>For >250 To 500, Add</i>	0.17	
31 32 19 16-0009 SY 10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	3.98	
<i>For Up To 50, Add</i>	0.85	
<i>For >50 To 150, Add</i>	0.63	
<i>For >150 To 250, Add</i>	0.42	
<i>For >250 To 500, Add</i>	0.21	
31 32 19 16-0010 SY 16 Ounce/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	6.78	
<i>For Up To 50, Add</i>	1.41	
<i>For >50 To 150, Add</i>	1.05	
<i>For >150 To 250, Add</i>	0.70	
<i>For >250 To 500, Add</i>	0.35	
 31 32 19 16-0011 Woven Geotextiles Fabric (31 32 19 16)		
31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.43	
<i>For Up To 50, Add</i>	0.53	
<i>For >50 To 150, Add</i>	0.39	
<i>For >150 To 250, Add</i>	0.26	
<i>For >250 To 500, Add</i>	0.13	
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.42	
<i>For Up To 50, Add</i>	0.72	
<i>For >50 To 150, Add</i>	0.54	
<i>For >150 To 250, Add</i>	0.36	
<i>For >250 To 500, Add</i>	0.18	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	6.06	
<i>For Up To 50, Add</i>	1.26	
<i>For >50 To 150, Add</i>	0.94	
<i>For >150 To 250, Add</i>	0.62	
<i>For >250 To 500, Add</i>	0.31	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.91	
		<i>For Up To 50, Add</i>	1.23	
		<i>For >50 To 150, Add</i>	0.92	
		<i>For >150 To 250, Add</i>	0.61	
		<i>For >250 To 500, Add</i>	0.30	
31 32 19 16-0016	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.16	
		<i>For Up To 50, Add</i>	1.08	
		<i>For >50 To 150, Add</i>	0.81	
		<i>For >150 To 250, Add</i>	0.53	
		<i>For >250 To 500, Add</i>	0.27	
31 32 19 16-0017	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.52	
		<i>For Up To 50, Add</i>	1.16	
		<i>For >50 To 150, Add</i>	0.86	
		<i>For >150 To 250, Add</i>	0.57	
		<i>For >250 To 500, Add</i>	0.28	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.06	
		<i>For Up To 50, Add</i>	1.46	
		<i>For >50 To 150, Add</i>	1.09	
		<i>For >150 To 250, Add</i>	0.72	
		<i>For >250 To 500, Add</i>	0.36	
31 32 19 16-0019	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.08	
		<i>For Up To 50, Add</i>	2.07	
		<i>For >50 To 150, Add</i>	1.55	
		<i>For >150 To 250, Add</i>	1.03	
		<i>For >250 To 500, Add</i>	0.51	
31 32 19 16-0020		Geomembranes <small>(31 32 19 16)</small>		
31 32 19 16-0021		Polyvinyl Chloride (PVC) Geomembrane <small>(31 32 19 16-0020)</small>		
31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.42	
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.64	
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.98	
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.39	
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.74	
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.99	
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.25	
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.60	
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.92	
31 32 19 16-0031		High Density Polyethylene (HDPE) Geomembrane <small>(31 32 19 16-0020)</small>		
31 32 19 16-0032	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	1.56	
31 32 19 16-0033	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	0.94	
31 32 19 16-0034	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.04	
31 32 19 16-0035	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	1.46	
31 32 19 16-0036	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.22	
31 32 19 16-0037	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.41	
31 32 19 16-0038	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	1.61	
31 32 19 16-0039	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	2.59	
31 32 19 16-0040	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	2.68	
31 32 19 26		Geoweb Cellular Confinement System <small>(31 32 19)</small>		
		Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0001		Geoweb Cellular Confinement System <small>(31 32 19 26)</small>		
		Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.48	
		<i>For >20,000, Deduct</i>	-0.19	
		<i>For >2:1 Slope, Add</i>	1.20	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.20	
		<i>For >20,000, Deduct</i>	-0.28	
		<i>For >2:1 Slope, Add</i>	1.20	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.25	
		<i>For >20,000, Deduct</i>	-0.38	
		<i>For >2:1 Slope, Add</i>	1.20	
31 32 36		Soil Nailing <small>(31 32)</small>		
31 32 36 11		Soil Nailing Stabilization <small>(31 32 36)</small>		



	Earthwork	31	
	Earthwork Methods	31 30	13
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0001	Landslide and Slip-Out Stabilization ^(31 32 36 11) Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.		
31 32 36 11-0002	BioWall® ^(31 32 36 11-0001) Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0003	SF BioWall® Construction.....	25.00	
31 32 36 11-0004	Green Terra Mesh ^(31 32 36 11-0001) Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0005	EA Green Terra Mesh.....	635.25	
31 32 36 11-0006	GeoSynthetically Confined Soil™ (GCS®) Components ^(31 32 36 11-0001) Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of the See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0007	SF GeoSynthetically Confined Soil™ (GCS®) Wall Construction.....	23.75	
31 32 36 11-0008	EA GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120").....	108.50	
31 32 36 11-0009	EA GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16").....	6.50	
31 32 36 11-0010	SF GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile.....	0.75	
31 32 36 11-0011	Turf ^(31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0012	Permanent Turf Reinforcing Mat (TRM) ^(31 32 36 11-0011) Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.		
31 32 36 11-0013	SF Permanent Turf Reinforcement Mat.....	1.50	
	Note: sold per square face foot		

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 32 36 11-0014	Biodegradable Turf Reinforcing Mat (TRM) <small>(31 32 36 11-0011)</small> Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.	
31 32 36 11-0015	SF Biodegradable Turf Reinforcement Mat .....0.75 Note: sold per square face foot	
31 32 36 11-0016	Shotcrete or Gunitite <small>(31 32 36 11-0001)</small> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 11-0017	Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 11-0016)</small> Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying	
31 32 36 11-0018	SFI Wet-Mix Reinforced Shotcrete .....5.50 Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	



	Earthwork	31	
	Earthwork Methods	31 30	13
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 32 36 11-0019	<p>Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 11-0016)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00</p> <p>Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141.</p> <p>Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size</p> <table border="0" style="margin-left: 40px;"> <tr> <td>Percent Passing by Weight</td> <td>1/2"</td> <td>100</td> <td>3/8"</td> </tr> <tr> <td></td> <td>90-100 No. 4</td> <td>70-85 No. 8</td> <td>100</td> </tr> </table> <p>Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6</p>	Percent Passing by Weight	1/2"	100	3/8"		90-100 No. 4	70-85 No. 8	100	8.50
Percent Passing by Weight	1/2"	100	3/8"							
	90-100 No. 4	70-85 No. 8	100							
31 32 36 11-0021	<p>Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 11-0016)</small></p>	1.25								
31 32 36 11-0023	<p>Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 11-0001)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>									
31 32 36 11-0024	<p>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 11-0023)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>									
31 32 36 11-0025	<p>SF High Capacity Diamond Mesh 11.00</p> <p>Note: sold per square face foot</p>									
31 32 36 11-0026	<p>SF Double Twist Wire Mesh 13.75</p> <p>Note: sold per square face foot</p>									
31 32 36 11-0027	<p>Steel Plates <small>(31 32 36 11-0023)</small></p>									
31 32 36 11-0028	EA Galvanized Steel Plates (8x8) 35.00									
31 32 36 11-0029	EA Galvanized Steel Plates (10x10) 54.75									
31 32 36 11-0030	EA Galvanized Steel Plates (12x12) 78.75									
31 32 36 11-0031	EA Epoxy Coated Steel Plates (8x8) 76.00									
31 32 36 11-0032	EA Epoxy Coated Steel Plates (10x10) 89.25									
31 32 36 11-0033	EA Epoxy Coated Steel Plates (12x12) 105.25									

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 32 36 11-0034	Drilled Horizontal Drains <small>(31 32 36 11-0001)</small>	
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 11-0035	LF Drilled PVC Horizontal Drains (up to 2" Diameter).....	26.00
31 32 36 11-0036	LF Stripdrain - 6" Wide.....	3.25
31 32 36 11-0037	LF Stripdrain - 12" Wide.....	4.00
31 32 36 11-0038	LF PVC Drain Collector Pipe System.....	26.75

31 32 36 11-0039	Rockfall Stabilization <small>(31 32 36 11-0001)</small>	
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 11-0040	SF Scaling.....	3.75
31 32 36 11-0041	SF Trim Blasting.....	155.00
31 32 36 11-0042	SY Slope Drape - Double Twist Wire Mesh.....	45.00
31 32 36 11-0043	SY Slope Drape - Cable Net.....	135.00
31 32 36 11-0044	SY Slope Drape - Tecco Mesh (4mm).....	135.00
31 32 36 11-0045	LF Temporary Rockfall Barrier.....	500.00
31 32 36 11-0046	LF Low Reach Drilling (<25 feet).....	25.00
31 32 36 11-0047	LF High Reach Drilling (>25 feet).....	45.00
31 32 36 11-0048	LF Limited Access Drilling.....	100.00
31 32 36 11-0049	LF F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized).....	18.50
31 32 36 11-0050	LF F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated).....	15.25
31 32 36 11-0051	LF F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized).....	23.25
31 32 36 11-0052	LF F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated).....	17.25
31 32 36 11-0053	LF F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized).....	23.50
31 32 36 11-0054	LF F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated).....	18.75
31 32 36 11-0055	LF F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized).....	26.50
31 32 36 11-0056	LF F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0057	LF F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized).....	29.25
31 32 36 11-0058	LF F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0059	LF F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized).....	34.50
31 32 36 11-0060	LF F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated).....	31.75
31 32 36 11-0061	EA Rock Anchor Testing.....	825.00

31 32 36 11-0062	Mobilization / Demobilization <small>(31 32 36 11-0001)</small>	
31 32 36 11-0063	EA Mobilization - In State.....	10,000.00
31 32 36 11-0064	EA Mobilization - Out Of State.....	25,000.00
31 32 36 11-0065	EA Mobilization - Specialty Equipment Adder.....	9,800.00

31 32 36 11-0066	Daily Crew Rates (DCR) <small>(31 32 36 11-0001)</small>	
31 32 36 11-0067	DAY Soils Stabilization Crew - DCR , Per Workday.....	13,150.00
31 32 36 11-0068	DAY Rockfall Stabilization Crew - DCR, Per Workday.....	15,200.00
31 32 36 11-0069	DAY Compaction Grouting Crew - DCR, Per Workday.....	12,925.00
31 32 36 11-0070	DAY Additional Crew Member/Crew - DCR, Per Workday.....	2,050.00
31 32 36 11-0071	EA Out of State Crew Rotation.....	4,950.00
31 32 36 11-0072	EA Spider Excavation.....	5,500.00

31 32 36 13 Driven Soil Nailing (31 32 36)

31 32 36 13-0001	Large Diameter Micropiles <small>(31 32 36 13)</small>	
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 13-0002	LF 5" Micropiles (with up to 5.5" steel casing).....	94.50
31 32 36 13-0003	LF 7" Micropiles (with up to 7.625" steel casing).....	130.25
31 32 36 13-0004	LF 10" Micropiles (with up to 9.625" steel casing).....	166.50
31 32 36 13-0005	LF 12" Micropiles (with up to 11.875" steel casing).....	213.25

31 32 36 16 Grouted Soil Nailing (31 32 36)

31 32 36 16-0001	Grouting <small>(31 32 36 16)</small>	
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	



	Earthwork	31	
	Earthwork Methods	31 30	13
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 32 36 16-0002

Compaction Grouting (31 32 36 16-0001)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation.....	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification.....	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill.....	39.00

31 32 36 16-0006

Polyurethane Grouting (31 32 36 16-0001)

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling.....	11.50
------------------	----	--	-------

31 32 36 19

Corrosion-Protected Soil Nailing (31 32 36)

31 32 36 19-0001

Self-Drilling SuperNails® / SuperMicropiles™ (31 32 36 19)

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002

Self-Drilling SuperNails® (31 32 36 19-0001)

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length.....	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length.....	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length.....	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length.....	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length.....	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length.....	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length.....	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length.....	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar.....	129.50

31 32 36 19-0012

SuperNail® Testing (31 32 36 19)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing (31 32 36)

31 32 36 26-0001		Launched SuperDrain™ (Horizontal Drains) <small>(31 32 36 26)</small>		
		Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'	605.00	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'	621.50	
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'	478.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0005	EA	Temporary Launched Soil Nail.....	379.50	
		Note: bare steel tube up to 20 ft. length.		
31 32 36 26-0006	EA	Fiberglass SuperDrain™.....	495.00	
		Note: perforated fiberglass tube up to 20 ft. length.		
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™.....	379.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		

31 32 36 29 Drilled Soil Nailing (31 32 36)

31 32 36 29-0001		Drilled SuperNails® (Permanently Cased Soil Nails) <small>(31 32 36 29)</small>		
		Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		

31 32 36 33 Drilled / Launched Soil Nailing (31 32 36)

31 32 36 33-0001		Drilled / Launched SuperMicropiles™ <small>(31 32 36 33)</small>		
		Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length	1,280.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length	1,540.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		



	Earthwork	31	
	Earthwork Methods	31 30	13
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 35 Slope Protection (31 30)

31 35 19 Geosynthetic Slope Protection (31 35)

31 35 19 19 Slope Protection with Mulch Control Netting (31 35 19)

31 35 19 19-0001 Erosion Control Fabric (31 35 19 19)

31 35 19 19-0002 SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.23
---------------------	---	------

31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002 SY	6" Deep Stone Filled Gabion Slope Protection	71.89
31 36 13 00-0003 SY	9" Deep Stone Filled Gabion Slope Protection	85.06
31 36 13 00-0004 SY	12" Deep Stone Filled Gabion Slope Protection	103.12
31 36 13 00-0005 SY	15" Deep Stone Filled Gabion Slope Protection	121.61
31 36 13 00-0006 SY	18" Deep Stone Filled Gabion Slope Protection	142.73
31 36 13 00-0007 SY	24" Deep Stone Filled Gabion Slope Protection	195.52
31 36 13 00-0008 SY	36" Deep Stone Filled Gabion Slope Protection	247.30

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 37 13 Machined Riprap (31 37)

31 37 13 00-0001 Random - Filter Stone (31 37 13)

31 37 13 00-0002 CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	87.30
	<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0003 CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	102.00
	<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0004 CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	108.93
	<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0005 CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	116.82
	<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0006 CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	123.17
	<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0007 CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	133.58
31 37 13 00-0008 CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	148.65
31 37 13 00-0009 TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	57.50
31 37 13 00-0010 TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	66.83
31 37 13 00-0011 TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	71.23
31 37 13 00-0012 TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	76.24
31 37 13 00-0013 TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	80.28
31 37 13 00-0014 TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	86.96
31 37 13 00-0015 TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	99.39

31 40 Shoring and Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003 SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	14.04
	<i>For Wood Sheeting Left In Place</i>	-0.85
31 41 13 00-0004 SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	15.17
	<i>For Wood Sheeting Left In Place</i>	-1.06
31 41 13 00-0005 SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	16.40
	<i>For Wood Sheeting Left In Place</i>	-1.28
31 41 13 00-0006 SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	17.75
	<i>For Wood Sheeting Left In Place</i>	-1.54
31 41 13 00-0007 SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	19.21
	<i>For Wood Sheeting Left In Place</i>	-1.80
31 41 13 00-0008 SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	20.78
	<i>For Wood Sheeting Left In Place</i>	-2.12
31 41 13 00-0009 SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	22.52
	<i>For Wood Sheeting Left In Place</i>	-2.46

31	31 Earthwork
	31 40 Shoring and Underpinning
	31 41 Shoring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 41 16 Sheet Piling (31 41)

31 41 16 13 Steel Sheet Piling (31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage (31 41 16 13)

Note: Up to 3 months, 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage.....	2,157.99
	<i>For Standard Sheeting Left In Place, Add</i>	1,135.30
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,091.89
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month >3 Months, Add</i>	54.27
31 41 16 13-0003	TON Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	2,245.02
	<i>For Standard Sheeting Left In Place, Add</i>	1,091.79
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,048.37
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month >3 Months, Add</i>	54.27
31 41 16 13-0004	TON Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,649.60
	<i>For Standard Sheeting Left In Place, Add</i>	889.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	846.08
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month >3 Months, Add</i>	54.27
31 41 16 13-0005	TON Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,038.91
	<i>For Standard Sheeting Left In Place, Add</i>	694.84
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	651.43
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month >3 Months, Add</i>	54.27
31 41 16 13-0006	TON Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,267.92
	<i>For Standard Sheeting Left In Place, Add</i>	580.34
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	536.92
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month >3 Months, Add</i>	54.27
31 41 16 13-0007	TON Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,501.51
	<i>For Standard Sheeting Left In Place, Add</i>	463.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	420.13
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month >3 Months, Add</i>	54.27

31 43 Concrete Raising (31 40)

31 43 13 Pressure Grouting (31 43)

31 43 13 16 Polyurethane Pressure Grouting (31 43 13)

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling (31 43 13 16)

31 43 13 16-0002	EA Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge.....	3,727.01
31 43 13 16-0003	LB Up To 1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling.....	29.06
	Note: Per pound of material.	
31 43 13 16-0004	LB >1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling	24.36
	Note: Per pound of material.	

31 45 Vibroflotation and Densification (31 40)

31 45 13 Vibroflotation (31 45)

31 45 13 00-0001	LCY Soil Stabilization, Vibroflotation.....	16.45
------------------	---	-------

31 48 Underpinning (31 40)

31 48 33 Micropile Underpinning (31 48)

31 48 33 00-0001 Augered Micro-Pile And Grout System (31 48 33)

31 48 33 00-0002	EA Micro-Pile Mobilization Per Job.....	2,578.19
31 48 33 00-0003	EA Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location	644.55
31 48 33 00-0004	VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void	389.74
	Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	
31 48 33 00-0005	VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor	470.31
	Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	



Earthwork	31	15
Shoring and Underpinning	31 40	
Underpinning	31 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

31 48 33 00-0006 EA Pile Load Test.....3,222.73

31 50 Excavation Support and Protection ⁽³¹⁾

31 52 Cofferdams ^(31 52)

31 52 21 Portable Cofferdams ^(31 52)

31 52 21 00-0001 Portable Cofferdams ^(31 52 21)
 Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental ^(31 52 21 00-0001)
 Note: Excludes delivery and installation.

31 52 21 00-0003 LF 3' High x 7' Width, Portable Cofferdam, Rental Per Month49.83
 Note: Minimum 40'

31 52 21 00-0004 LF 4' High x 9' Width, Portable Cofferdam, Rental Per Month63.79
 Note: Minimum 40'

31 52 21 00-0005 LF 5' High x 11' Width, Portable Cofferdam, Rental Per Month89.70
 Note: Minimum 40'

31 52 21 00-0006 LF 6' High x 13' Width, Portable Cofferdam, Rental Per Month115.61
 Note: Minimum 40'

31 52 21 00-0007 LF 8' High x 17' Width, Portable Cofferdam, Rental Per Month149.50
 Note: Minimum 40'

31 52 21 00-0008 LF 10' High x 21' Width, Portable Cofferdam, Rental Per Month299.00
 Note: Minimum 40'

31 52 21 00-0009 LF 12' High x 25' Width, Portable Cofferdam, Rental Per Month418.59
 Note: Minimum 40'

31 52 21 00-0010 LF 16' High x 33' Width, Portable Cofferdam, Rental Per Month592.01
 Note: Minimum 40'

31 52 21 00-0011 Portable Cofferdam Delivery And Set-up ^(31 52 21 00-0001)

Note: Excludes crane usage where required. See CSI section 01 22 23 00-0915 for crane lifting equipment.

31 52 21 00-0012 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water10.55

31 52 21 00-0013 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water16.87

31 52 21 00-0014 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water25.31

31 52 21 00-0015 LF 16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water33.75

31 52 21 00-0016 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water6.32

31 52 21 00-0017 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water10.55

31 52 21 00-0018 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water16.87

31 52 21 00-0019 LF 16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water23.21

31 52 21 00-0020 Portable Cofferdam Repositioning ^(31 52 21 00-0001)

31 52 21 00-0021 LF Up To 5' High, Portable Cofferdam, Repositioning5.27

31 52 21 00-0022 LF 6' To 8' High, Portable Cofferdam, Repositioning8.44

31 52 21 00-0023 LF 10' To 12' High, Portable Cofferdam, Repositioning12.66

31 52 21 00-0024 LF 16' High, Portable Cofferdam, Repositioning16.87

31 60 Special Foundations and Load-bearing Elements ⁽³¹⁾

31 62 Driven Piles ^(31 62)

31 62 13 Concrete Piles ^(31 62)

31 62 13 23 Prestressed Concrete Piles ^(31 62 13)

31 62 13 23-0001 Square Prestressed Driven Concrete Piles ^(31 62 13 23)

31 62 13 23-0002 VLF 10" Square Prestressed Driven Concrete Pile33.73
 For Piles Driven In Water, Add16.46

31 62 13 23-0003 VLF 12" Square Prestressed Driven Concrete Pile42.29
 For Piles Driven In Water, Add18.54

31 62 13 23-0004 VLF 14" Square Prestressed Driven Concrete Pile51.23
 For Piles Driven In Water, Add20.39

31 62 13 23-0005 VLF 16" Square Prestressed Driven Concrete Pile62.72
 For Piles Driven In Water, Add22.63

31 62 13 23-0006 VLF 18" Square Prestressed Driven Concrete Pile76.11
 For Piles Driven In Water, Add25.22

31 62 13 23-0007 VLF 20" Square Prestressed Driven Concrete Pile88.01
 For Piles Driven In Water, Add27.87

31 62 13 23-0008 VLF 24" Square Prestressed Driven Concrete Pile112.21
 For Piles Driven In Water, Add32.03

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles ^(31 62 13 23)

31 62 13 23-0010 VLF 12" Octagonal Prestressed Driven Concrete Pile37.87
 For Piles Driven In Water, Add17.26

31 62 13 23-0011 VLF 14" Octagonal Prestressed Driven Concrete Pile46.43
 For Piles Driven In Water, Add18.95

31 62 13 23-0012 VLF 16" Octagonal Prestressed Driven Concrete Pile55.13
 For Piles Driven In Water, Add20.78

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0013 VLF 18" Octagonal Prestressed Driven Concrete Pile	65.88	
For Piles Driven In Water, Add	22.94	
31 62 13 23-0014 VLF 20" Octagonal Prestressed Driven Concrete Pile	70.13	
For Piles Driven In Water, Add	24.63	
31 62 13 23-0015 VLF 24" Octagonal Prestressed Driven Concrete Pile	74.62	
For Piles Driven In Water, Add	26.53	
31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles <small>(31 62 13 23)</small>		
31 62 13 23-0017 VLF 12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	54.26	
For Piles Driven In Water, Add	18.14	
31 62 13 23-0018 VLF 14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	64.26	
For Piles Driven In Water, Add	19.90	
31 62 13 23-0019 VLF 16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	76.09	
For Piles Driven In Water, Add	21.92	
31 62 13 23-0020 VLF 18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	86.07	
For Piles Driven In Water, Add	23.87	
31 62 13 23-0021 VLF 20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	108.09	
For Piles Driven In Water, Add	27.16	
31 62 13 23-0022 VLF 24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	133.51	
For Piles Driven In Water, Add	30.96	
31 62 16 Steel Piles <small>(31 62)</small>		
31 62 16 16 Steel H Piles <small>(31 62 16)</small>		
31 62 16 16-0001 Rolled, Driven Steel H Piles <small>(31 62 16 16)</small>		
31 62 16 16-0002 VLF 8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile.....	34.68	
For Piles Driven In Water, Add	17.78	
31 62 16 16-0003 VLF 10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile.....	38.60	
For Piles Driven In Water, Add	18.88	
31 62 16 16-0004 VLF 10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile.....	46.43	
For Piles Driven In Water, Add	19.66	
31 62 16 16-0005 VLF 12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile.....	44.84	
For Piles Driven In Water, Add	19.96	
31 62 16 16-0006 VLF 12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile.....	50.06	
For Piles Driven In Water, Add	20.48	
31 62 16 16-0007 VLF 12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile.....	57.22	
For Piles Driven In Water, Add	22.47	
31 62 16 16-0008 VLF 12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile.....	62.43	
For Piles Driven In Water, Add	22.99	
31 62 16 16-0009 VLF 14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile.....	57.17	
For Piles Driven In Water, Add	22.89	
31 62 16 16-0010 VLF 14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile.....	66.03	
For Piles Driven In Water, Add	23.78	
31 62 16 16-0011 VLF 14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile.....	73.89	
For Piles Driven In Water, Add	25.99	
31 62 16 16-0012 VLF 14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile.....	82.23	
For Piles Driven In Water, Add	26.83	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles <small>(31 62 16 16)</small>		
31 62 16 16-0014 Rolled Steel H Pile Splices <small>(31 62 16 16-0013)</small>		
31 62 16 16-0015 EA 8" Rolled Steel H Pile Splice	320.45	
31 62 16 16-0016 EA 10" Rolled Steel H Pile Splice	357.51	
31 62 16 16-0017 EA 12" Rolled Steel H Pile Splice	491.52	
31 62 16 16-0018 EA 14" Rolled Steel H Pile Splice	510.05	
31 62 16 16-0019 Rolled Steel H Driving Caps <small>(31 62 16 16-0013)</small>		
31 62 16 16-0020 EA 8" Rolled Steel H Driving Cap	3,087.72	
31 62 16 16-0021 EA 10" Rolled Steel H Driving Cap.....	3,087.72	
31 62 16 16-0022 EA 12" Rolled Steel H Driving Cap.....	3,148.33	
31 62 16 16-0023 EA 14" Rolled Steel H Driving Cap.....	4,723.24	
31 62 16 16-0024 Rolled Steel H Standard Pile Points <small>(31 62 16 16-0013)</small>		
31 62 16 16-0025 EA 8" Rolled Steel H Standard Pile Point.....	338.98	
31 62 16 16-0026 EA 10" Rolled Steel H Standard Pile Point.....	357.51	
31 62 16 16-0027 EA 12" Rolled Steel H Standard Pile Point.....	491.52	
31 62 16 16-0028 EA 14" Rolled Steel H Standard Pile Point.....	547.10	
31 62 16 16-0029 EA 10" Rolled Steel H Standard Pile Point.....	491.52	
31 62 16 16-0030 EA 14" Rolled Steel H Standard Pile Point.....	582.99	
31 62 16 19 Unfilled Tubular Steel Piles <small>(31 62 16)</small>		
31 62 16 19-0001 Unfilled Tubular Driven Steel Piles <small>(31 62 16 19)</small>		
31 62 16 19-0002 VLF 8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile.....	58.54	
For Piles Driven In Water, Add	24.17	



Earthwork	31	13
Special Foundations and Load-bearing Elements	31 60	
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0003 VLF 8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile	68.09	
For Piles Driven In Water, Add	25.12	
31 62 16 19-0004 VLF 8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile	78.40	
For Piles Driven In Water, Add	26.16	
31 62 16 19-0005 VLF 10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile	68.09	
For Piles Driven In Water, Add	25.12	
31 62 16 19-0006 VLF 10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile	77.16	
For Piles Driven In Water, Add	26.03	
31 62 16 19-0007 VLF 10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	97.21	
For Piles Driven In Water, Add	28.04	
31 62 16 19-0008 VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile	80.41	
For Piles Driven In Water, Add	27.33	
31 62 16 19-0009 VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile	91.03	
For Piles Driven In Water, Add	28.39	
31 62 16 19-0010 VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile	96.93	
For Piles Driven In Water, Add	28.98	
31 62 16 19-0011 VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile	113.44	
For Piles Driven In Water, Add	30.63	
31 62 16 19-0012 VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile	86.89	
For Piles Driven In Water, Add	29.98	
31 62 16 19-0013 VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	98.90	
For Piles Driven In Water, Add	31.18	
31 62 16 19-0014 VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile	110.91	
For Piles Driven In Water, Add	32.39	
31 62 16 19-0015 VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile	122.93	
For Piles Driven In Water, Add	33.59	
31 62 16 19-0016 VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile	96.66	
For Piles Driven In Water, Add	33.45	
31 62 16 19-0017 VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile	110.70	
For Piles Driven In Water, Add	34.86	
31 62 16 19-0018 VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile	138.09	
For Piles Driven In Water, Add	37.60	
31 62 16 19-0019 VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile	119.90	
For Piles Driven In Water, Add	37.79	
31 62 16 19-0020 VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile	138.15	
For Piles Driven In Water, Add	39.62	
31 62 16 19-0021 VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile	172.82	
For Piles Driven In Water, Add	43.09	
31 62 16 19-0022 Splices And Points For Pipe Piles (31 62 16 19)		
31 62 16 19-0023 Steel Pipe Pile Splices (31 62 16 19-0022)		
31 62 16 19-0024 EA 8" Diameter, Steel Pipe Pile Splice	488.59	
31 62 16 19-0025 EA 10" Diameter, Steel Pipe Pile Splice	553.47	
31 62 16 19-0026 EA 12" Diameter, Steel Pipe Pile Splice	692.43	
31 62 16 19-0027 EA 14" Diameter, Steel Pipe Pile Splice	756.42	
31 62 16 19-0028 EA 16" Diameter, Steel Pipe Pile Splice	954.26	
31 62 16 19-0029 EA 18" Diameter, Steel Pipe Pile Splice	1,191.70	
31 62 16 19-0030 Steel Pipe Standard Pile Points (31 62 16 19-0022)		
31 62 16 19-0031 EA 8" Diameter, Steel Pipe Standard Pile Point	430.51	
31 62 16 19-0032 EA 10" Diameter, Steel Pipe Standard Pile Point	482.47	
31 62 16 19-0033 EA 12" Diameter, Steel Pipe Standard Pile Point	558.12	
31 62 16 19-0034 EA 14" Diameter, Steel Pipe Standard Pile Point	701.01	
31 62 16 19-0035 EA 16" Diameter, Steel Pipe Standard Pile Point	830.92	
31 62 16 19-0036 EA 18" Diameter, Steel Pipe Standard Pile Point	948.01	
31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points (31 62 16 19-0022)		
31 62 16 19-0038 EA 10" Diameter, Steel Pipe Heavy Duty Pile Point	600.35	
31 62 16 19-0039 EA 12" Diameter, Steel Pipe Heavy Duty Pile Point	665.31	
31 62 16 19-0040 EA 14" Diameter, Steel Pipe Heavy Duty Pile Point	763.21	
31 62 16 19-0041 EA 16" Diameter, Steel Pipe Heavy Duty Pile Point	1,023.02	
31 62 16 19-0042 EA 18" Diameter, Steel Pipe Heavy Duty Pile Point	1,212.35	
31 62 19 Timber Piles (31 62)		
31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles (31 62 19)		
Note: 12 LB Penta-treated/CF.		
31 62 19 00-0002 LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	35.63	
For Piles Driven In Water, Add	16.28	
For Untreated Pile, Deduct	-7.96	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0003 LF >30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	37.64	
For Piles Driven In Water, Add	18.07	
For Untreated Pile, Deduct	-8.04	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0004 LF 39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	39.69	
For Piles Driven In Water, Add	19.23	
For Untreated Pile, Deduct	-8.41	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0005 LF >49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	42.82	
For Piles Driven In Water, Add	21.45	
For Untreated Pile, Deduct	-8.78	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0006 LF >59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	52.97	
For Piles Driven In Water, Add	24.37	
For Untreated Pile, Deduct	-11.76	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0007 LF >69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	66.08	
For Piles Driven In Water, Add	29.50	
For Untreated Pile, Deduct	-15.04	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	

31 62 23 Composite Piles (31 62)**31 62 23 13 Concrete-Filled Steel Piles (31 62 23)****31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)**

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002 VLF 8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile	63.23	
For 5,000 PSI Concrete Grout Fill, Add	8.05	
For Piles Driven In Water, Add	26.23	
31 62 23 13-0003 VLF 8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile	72.78	
For 5,000 PSI Concrete Grout Fill, Add	9.01	
For Piles Driven In Water, Add	27.19	
31 62 23 13-0004 VLF 8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile	83.09	
For 5,000 PSI Concrete Grout Fill, Add	10.04	
For Piles Driven In Water, Add	28.22	
31 62 23 13-0005 VLF 10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile	75.00	
For 5,000 PSI Concrete Grout Fill, Add	11.38	
For Piles Driven In Water, Add	27.85	
31 62 23 13-0006 VLF 10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile	84.07	
For 5,000 PSI Concrete Grout Fill, Add	12.29	
For Piles Driven In Water, Add	28.76	
31 62 23 13-0007 VLF 10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	104.12	
For 5,000 PSI Concrete Grout Fill, Add	14.29	
For Piles Driven In Water, Add	30.76	
31 62 23 13-0008 VLF 12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile	90.15	
For 5,000 PSI Concrete Grout Fill, Add	15.41	
For Piles Driven In Water, Add	31.08	
31 62 23 13-0009 VLF 12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile	100.77	
For 5,000 PSI Concrete Grout Fill, Add	16.48	
For Piles Driven In Water, Add	32.15	
31 62 23 13-0010 VLF 12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile	106.66	
For 5,000 PSI Concrete Grout Fill, Add	17.06	
For Piles Driven In Water, Add	32.73	
31 62 23 13-0011 VLF 12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile	123.18	
For 5,000 PSI Concrete Grout Fill, Add	18.72	
For Piles Driven In Water, Add	34.39	
31 62 23 13-0012 VLF 14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile	99.82	
For 5,000 PSI Concrete Grout Fill, Add	19.15	
For Piles Driven In Water, Add	35.79	
31 62 23 13-0013 VLF 14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	111.83	
For 5,000 PSI Concrete Grout Fill, Add	20.35	
For Piles Driven In Water, Add	36.99	
31 62 23 13-0014 VLF 14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile	123.85	
For 5,000 PSI Concrete Grout Fill, Add	21.55	
For Piles Driven In Water, Add	38.19	
31 62 23 13-0015 VLF 14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile	135.86	
For 5,000 PSI Concrete Grout Fill, Add	22.75	
For Piles Driven In Water, Add	39.39	
31 62 23 13-0016 VLF 16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile	111.08	
For 5,000 PSI Concrete Grout Fill, Add	23.79	
For Piles Driven In Water, Add	38.45	
31 62 23 13-0017 VLF 16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile	125.12	
For 5,000 PSI Concrete Grout Fill, Add	25.19	
For Piles Driven In Water, Add	39.85	



Earthwork	31	13
Special Foundations and Load-bearing Elements	31 60	
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0018 VLF 16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	152.51 27.93 42.59	
31 62 23 13-0019 VLF 18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	137.42 30.39 43.28	
31 62 23 13-0020 VLF 18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	155.67 32.22 45.11	
31 62 23 13-0021 VLF 18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	190.34 35.68 48.57	
31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small> Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023 VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	82.71 23.54	
31 62 23 13-0024 VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	100.74 26.43	
31 62 23 13-0025 VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	114.19 29.03	
31 62 23 13-0026 VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	124.22 31.49	
31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small> Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028 VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	81.09 23.37	
31 62 23 13-0029 VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	83.11 24.66	
31 62 23 13-0030 VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	101.83 27.80	
31 62 23 13-0031 VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	117.69 30.84	
31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles <small>(31 62 23 13)</small>		
31 62 23 13-0033 VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	48.10 17.69 0.08	
31 62 23 13-0034 VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	53.08 19.62 0.09	
31 62 23 13-0035 VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	58.01 21.54 0.10	
31 62 23 13-0036 VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	63.00 23.47 0.11	
31 62 23 13-0037 VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	67.98 25.40 0.12	
31 63 Bored Piles <small>(31 60)</small>		
31 63 36 Drilled Steel Piles <small>(31 63)</small>		
31 63 36 00-0001 Drill Hole <small>(31 63 36)</small> Note: Excludes removal of excess material.		
31 63 36 00-0002 Drilling Mobilization <small>(31 63 36 00-0001)</small>		
31 63 36 00-0003 EA >12" To 24" Diameter Hole, Drilling Mobilization	966.82	
31 63 36 00-0004 EA >24" Diameter Hole, Drilling Mobilization.....	1,289.09	
31 63 36 00-0005 Drill Hole In Soil <small>(31 63 36 00-0001)</small>		
31 63 36 00-0006 LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole	53.35	
31 63 36 00-0007 LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole	62.04	
31 63 36 00-0008 LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole	72.89	
31 63 36 00-0009 LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole	85.92	
31 63 36 00-0010 LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole	92.86	
31 63 36 00-0011 LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole	102.18	
31 63 36 00-0012 LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole	111.91	
31 63 36 00-0013 Steel H Piles <small>(31 63 36)</small>		
31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles <small>(31 63 36 00-0013)</small> Note: Includes guides, bracing and alignment.		

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0015	VLF		8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	32.01	
			<i>For >2,400 To 3,600, Deduct</i>	-1.13	
			<i>For >3,600 To 4,800, Deduct</i>	-2.26	
			<i>For >4,800 To 6,000, Deduct</i>	-3.86	
			<i>For >6,000, Deduct</i>	-5.46	
31 63 36 00-0016	VLF		10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	35.81	
			<i>For >2,400 To 3,600, Deduct</i>	-1.24	
			<i>For >3,600 To 4,800, Deduct</i>	-2.49	
			<i>For >4,800 To 6,000, Deduct</i>	-4.28	
			<i>For >6,000, Deduct</i>	-6.07	
31 63 36 00-0017	VLF		10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	43.64	
			<i>For >2,400 To 3,600, Deduct</i>	-1.44	
			<i>For >3,600 To 4,800, Deduct</i>	-2.88	
			<i>For >4,800 To 6,000, Deduct</i>	-5.06	
			<i>For >6,000, Deduct</i>	-7.24	
31 63 36 00-0018	VLF		12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	41.96	
			<i>For >2,400 To 3,600, Deduct</i>	-1.41	
			<i>For >3,600 To 4,800, Deduct</i>	-2.81	
			<i>For >4,800 To 6,000, Deduct</i>	-4.91	
			<i>For >6,000, Deduct</i>	-7.01	
31 63 36 00-0019	VLF		12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	47.18	
			<i>For >2,400 To 3,600, Deduct</i>	-1.54	
			<i>For >3,600 To 4,800, Deduct</i>	-3.07	
			<i>For >4,800 To 6,000, Deduct</i>	-5.43	
			<i>For >6,000, Deduct</i>	-7.79	
31 63 36 00-0020	VLF		12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	54.11	
			<i>For >2,400 To 3,600, Deduct</i>	-1.74	
			<i>For >3,600 To 4,800, Deduct</i>	-3.48	
			<i>For >4,800 To 6,000, Deduct</i>	-6.19	
			<i>For >6,000, Deduct</i>	-8.89	
31 63 36 00-0021	VLF		12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	59.32	
			<i>For >2,400 To 3,600, Deduct</i>	-1.87	
			<i>For >3,600 To 4,800, Deduct</i>	-3.74	
			<i>For >4,800 To 6,000, Deduct</i>	-6.71	
			<i>For >6,000, Deduct</i>	-9.67	
31 63 36 00-0022	VLF		14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	53.97	
			<i>For >2,400 To 3,600, Deduct</i>	-1.75	
			<i>For >3,600 To 4,800, Deduct</i>	-3.49	
			<i>For >4,800 To 6,000, Deduct</i>	-6.19	
			<i>For >6,000, Deduct</i>	-8.89	
31 63 36 00-0023	VLF		14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	62.83	
			<i>For >2,400 To 3,600, Deduct</i>	-1.97	
			<i>For >3,600 To 4,800, Deduct</i>	-3.94	
			<i>For >4,800 To 6,000, Deduct</i>	-7.08	
			<i>For >6,000, Deduct</i>	-10.22	
31 63 36 00-0024	VLF		14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	70.43	
			<i>For >2,400 To 3,600, Deduct</i>	-2.19	
			<i>For >3,600 To 4,800, Deduct</i>	-4.38	
			<i>For >4,800 To 6,000, Deduct</i>	-7.90	
			<i>For >6,000, Deduct</i>	-11.43	
31 63 36 00-0025	VLF		14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	78.77	
			<i>For >2,400 To 3,600, Deduct</i>	-2.40	
			<i>For >3,600 To 4,800, Deduct</i>	-4.80	
			<i>For >4,800 To 6,000, Deduct</i>	-8.74	
			<i>For >6,000, Deduct</i>	-12.68	
31 63 36 00-0026			Welded Steel Stud Pins <small>(31 63 36 00-0013)</small>		
			Note: Includes welding to steel piles.		
31 63 36 00-0027	EA		5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	14.34	
			<i>For >50 To 150, Deduct</i>	-0.63	
			<i>For >150 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.65	
31 63 36 00-0028	EA		5/8" Diameter x 5" Long, Welded Steel Stud Pins.....	16.16	
			<i>For >50 To 150, Deduct</i>	-0.63	
			<i>For >150 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.78	
31 63 36 00-0029	EA		5/8" Diameter x 7" Long, Welded Steel Stud Pins.....	17.91	
			<i>For >50 To 150, Deduct</i>	-0.63	
			<i>For >150 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.15	
			<i>For >500, Deduct</i>	-2.91	
31 63 36 00-0030	EA		3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	16.04	
			<i>For >50 To 150, Deduct</i>	-0.66	
			<i>For >150 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.85	
31 63 36 00-0031	EA		3/4" Diameter x 5" Long, Welded Steel Stud Pins.....	18.80	
			<i>For >50 To 150, Deduct</i>	-0.66	
			<i>For >150 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-3.06	



Earthwork	31	13
Special Foundations and Load-bearing Elements	31 60	
Bored Piles	31 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins	20.73	
For >50 To 150, Deduct	-0.66	
For >150 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-3.20	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	18.23	
For >50 To 150, Deduct	-0.69	
For >150 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.08	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins	22.71	
For >50 To 150, Deduct	-0.69	
For >150 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.42	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins	24.91	
For >50 To 150, Deduct	-0.69	
For >150 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.62	
For >500, Deduct	-3.59	
31 63 36 00-0036 Concrete Fill <small>(31 63 36)</small>		
See CSI section 03 37 16 00-0001 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	55.26	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	61.39	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	67.53	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	73.68	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	79.81	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	85.95	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	98.90	

31 64 Caissons (31 60)

31 64 13 Box Caissons (31 64)

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water (31 64 13)
 Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground (31 64 13 00-0001)
 Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water	61.54	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	6.18	
For >100' To 150' Deep, Add	15.39	
For >150' To 200' Deep, Add	20.80	
For Right Angle Drilling, Add	15.69	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water	79.21	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	8.71	
For >100' To 150' Deep, Add	19.80	
For >150' To 200' Deep, Add	27.72	
For Right Angle Drilling, Add	17.84	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water	112.95	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	12.93	
For >100' To 150' Deep, Add	28.24	
For >150' To 200' Deep, Add	40.16	
For Right Angle Drilling, Add	23.84	
31 64 13 00-0006 VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water	150.55	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	17.76	
For >100' To 150' Deep, Add	37.64	
For >150' To 200' Deep, Add	54.20	
For Right Angle Drilling, Add	30.12	
31 64 13 00-0007 VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water	193.83	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	23.62	
For >100' To 150' Deep, Add	48.46	
For >150' To 200' Deep, Add	70.72	
For Right Angle Drilling, Add	36.42	
31 64 13 00-0008 VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water	235.38	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	29.20	
For >100' To 150' Deep, Add	58.85	
For >150' To 200' Deep, Add	86.52	
For Right Angle Drilling, Add	42.62	
31 64 13 00-0009 VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water	285.31	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	36.35	
For >100' To 150' Deep, Add	71.33	
For >150' To 200' Deep, Add	106.07	
For Right Angle Drilling, Add	48.67	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64	13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	336.99	
			<i>For >50' To 100' Deep, Add</i>	43.76	
			<i>For >100' To 150' Deep, Add</i>	84.25	
			<i>For >150' To 200' Deep, Add</i>	126.32	
			<i>For Right Angle Drilling, Add</i>	54.90	
31 64	13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	395.23	
			<i>For >50' To 100' Deep, Add</i>	52.08	
			<i>For >100' To 150' Deep, Add</i>	98.81	
			<i>For >150' To 200' Deep, Add</i>	149.08	
			<i>For Right Angle Drilling, Add</i>	62.05	
31 64	13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	461.51	
			<i>For >50' To 100' Deep, Add</i>	61.59	
			<i>For >100' To 150' Deep, Add</i>	115.38	
			<i>For >150' To 200' Deep, Add</i>	175.06	
			<i>For Right Angle Drilling, Add</i>	70.00	
31 64	13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	528.49	
			<i>For >50' To 100' Deep, Add</i>	71.37	
			<i>For >100' To 150' Deep, Add</i>	132.12	
			<i>For >150' To 200' Deep, Add</i>	201.51	
			<i>For Right Angle Drilling, Add</i>	77.55	
31 64	13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	600.10	
			<i>For >50' To 100' Deep, Add</i>	81.87	
			<i>For >100' To 150' Deep, Add</i>	150.03	
			<i>For >150' To 200' Deep, Add</i>	229.86	
			<i>For Right Angle Drilling, Add</i>	85.46	
31 64	13 00-0015		For Bell Excavation And Concrete, Add <small>(31 64 13 00-0001)</small>		
31 64	13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY <i>For >50' To 100' Deep, Add</i>	466.69	
			<i>For >100' To 150' Deep, Add</i>	39.47	
			<i>For >150' To 200' Deep, Add</i>	116.67	
31 64	13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY <i>For >50' To 100' Deep, Add</i>	1,641.49	
			<i>For >100' To 150' Deep, Add</i>	139.09	
			<i>For >150' To 200' Deep, Add</i>	410.37	
				522.68	
31 64	13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY <i>For >50' To 100' Deep, Add</i>	2,495.99	
			<i>For >100' To 150' Deep, Add</i>	215.41	
			<i>For >150' To 200' Deep, Add</i>	624.00	
				799.67	
31 64	13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY <i>For >50' To 100' Deep, Add</i>	3,466.96	
			<i>For >100' To 150' Deep, Add</i>	299.89	
			<i>For >150' To 200' Deep, Add</i>	866.74	
				1,111.59	
31 64	13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY <i>For >50' To 100' Deep, Add</i>	4,676.39	
			<i>For >100' To 150' Deep, Add</i>	396.14	
			<i>For >150' To 200' Deep, Add</i>	1,169.10	
				1,488.90	
31 64	13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY <i>For >50' To 100' Deep, Add</i>	5,497.92	
			<i>For >100' To 150' Deep, Add</i>	465.49	
			<i>For >150' To 200' Deep, Add</i>	1,374.48	
				1,750.17	
31 64	13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY <i>For >50' To 100' Deep, Add</i>	9,318.12	
			<i>For >100' To 150' Deep, Add</i>	787.08	
			<i>For >150' To 200' Deep, Add</i>	2,329.53	
				2,963.95	
31 64	13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY <i>For >50' To 100' Deep, Add</i>	13,518.58	
			<i>For >100' To 150' Deep, Add</i>	1,155.44	
			<i>For >150' To 200' Deep, Add</i>	3,379.65	
				4,317.00	
31 64	13 00-0024		Caisson In Wet Ground, Casing Pulled <small>(31 64 13)</small> Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64	13 00-0025		Caisson In Wet Ground <small>(31 64 13 00-0024)</small> Note: Includes 3000 PSI concrete and reinforcing.		
31 64	13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	67.70	
			<i>For >50' To 100' Deep, Add</i>	6.60	
			<i>For >100' To 150' Deep, Add</i>	16.93	
			<i>For >150' To 200' Deep, Add</i>	22.63	
			<i>For Right Angle Drilling, Add</i>	17.89	
31 64	13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	113.66	
			<i>For >50' To 100' Deep, Add</i>	11.12	
			<i>For >100' To 150' Deep, Add</i>	28.42	
			<i>For >150' To 200' Deep, Add</i>	38.05	
			<i>For Right Angle Drilling, Add</i>	29.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0028 VLF 30" Diameter Caisson Wet Ground, Casing Pulled.....	151.72	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	15.64	
For >100' To 150' Deep, Add	37.93	
For >150' To 200' Deep, Add	51.80	
For Right Angle Drilling, Add	37.40	
31 64 13 00-0029 VLF 36" Diameter Caisson Wet Ground, Casing Pulled.....	208.88	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	21.85	
For >100' To 150' Deep, Add	52.22	
For >150' To 200' Deep, Add	71.70	
For Right Angle Drilling, Add	50.53	
31 64 13 00-0030 VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	265.80	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	28.66	
For >100' To 150' Deep, Add	66.45	
For >150' To 200' Deep, Add	92.31	
For Right Angle Drilling, Add	61.61	
31 64 13 00-0031 VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	320.73	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	35.18	
For >100' To 150' Deep, Add	80.18	
For >150' To 200' Deep, Add	112.12	
For Right Angle Drilling, Add	72.49	
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	413.18	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	45.30	
For >100' To 150' Deep, Add	103.30	
For >150' To 200' Deep, Add	144.43	
For Right Angle Drilling, Add	93.42	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	506.26	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	55.61	
For >100' To 150' Deep, Add	126.57	
For >150' To 200' Deep, Add	177.10	
For Right Angle Drilling, Add	114.15	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	580.39	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	65.04	
For >100' To 150' Deep, Add	145.10	
For >150' To 200' Deep, Add	204.63	
For Right Angle Drilling, Add	126.85	
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	662.52	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	75.66	
For >100' To 150' Deep, Add	165.63	
For >150' To 200' Deep, Add	235.37	
For Right Angle Drilling, Add	140.36	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	755.74	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	87.28	
For >100' To 150' Deep, Add	188.94	
For >150' To 200' Deep, Add	269.69	
For Right Angle Drilling, Add	157.09	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	854.03	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	99.65	
For >100' To 150' Deep, Add	213.51	
For >150' To 200' Deep, Add	306.04	
For Right Angle Drilling, Add	174.33	
31 64 13 00-0038 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	534.16	
For >50' To 100' Deep, Add	44.19	
For >100' To 150' Deep, Add	133.54	
For >150' To 200' Deep, Add	168.75	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,862.48	
For >50' To 100' Deep, Add	154.56	
For >100' To 150' Deep, Add	465.62	
For >150' To 200' Deep, Add	588.98	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	2,503.26	
For >50' To 100' Deep, Add	190.73	
For >100' To 150' Deep, Add	625.82	
For >150' To 200' Deep, Add	770.35	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	4,104.69	
For >50' To 100' Deep, Add	344.53	
For >100' To 150' Deep, Add	1,026.17	
For >150' To 200' Deep, Add	1,302.91	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	5,306.20	
For >50' To 100' Deep, Add	440.22	
For >100' To 150' Deep, Add	1,326.55	
For >150' To 200' Deep, Add	1,677.85	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	6,238.88	
For >50' To 100' Deep, Add	517.35	
For >100' To 150' Deep, Add	1,559.72	
For >150' To 200' Deep, Add	1,972.45	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	10,577.75	
For >50' To 100' Deep, Add	875.25	
For >100' To 150' Deep, Add	2,644.44	
For >150' To 200' Deep, Add	3,341.83	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	15,318.06	
For >50' To 100' Deep, Add	1,281.40	
For >100' To 150' Deep, Add	3,829.52	
For >150' To 200' Deep, Add	4,856.84	
31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale ^(31 64 13)		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048 Caisson In Soft Rock ^(31 64 13 00-0047)		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	251.14	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	19.44	
For >100' To 150' Deep, Add	62.79	
For >150' To 200' Deep, Add	77.67	
For Right Angle Drilling, Add	82.09	
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	419.43	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	32.52	
For >100' To 150' Deep, Add	104.86	
For >150' To 200' Deep, Add	129.78	
For Right Angle Drilling, Add	136.91	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	632.54	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	49.30	
For >100' To 150' Deep, Add	158.14	
For >150' To 200' Deep, Add	196.04	
For Right Angle Drilling, Add	205.69	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	810.00	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	63.92	
For >100' To 150' Deep, Add	202.50	
For >150' To 200' Deep, Add	252.03	
For Right Angle Drilling, Add	260.92	
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,042.74	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	83.05	
For >100' To 150' Deep, Add	260.69	
For >150' To 200' Deep, Add	325.39	
For Right Angle Drilling, Add	333.54	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,259.52	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	100.89	
For >100' To 150' Deep, Add	314.88	
For >150' To 200' Deep, Add	393.76	
For Right Angle Drilling, Add	401.07	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,541.44	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	124.28	
For >100' To 150' Deep, Add	385.36	
For >150' To 200' Deep, Add	482.91	
For Right Angle Drilling, Add	488.31	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,824.23	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	147.87	
For >100' To 150' Deep, Add	456.06	
For >150' To 200' Deep, Add	572.49	
For Right Angle Drilling, Add	575.44	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,008.66	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	165.02	
For >100' To 150' Deep, Add	502.17	
For >150' To 200' Deep, Add	633.11	
For Right Angle Drilling, Add	626.74	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,200.22	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	183.30	
For >100' To 150' Deep, Add	550.06	
For >150' To 200' Deep, Add	696.68	
For Right Angle Drilling, Add	678.55	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,263.79	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	192.84	
For >100' To 150' Deep, Add	565.95	
For >150' To 200' Deep, Add	722.10	
For Right Angle Drilling, Add	684.91	



Earthwork	31	15
Special Foundations and Load-bearing Elements	31 60	
Caissons	31 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,700.64	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	228.91	
For >100' To 150' Deep, Add	675.16	
For >150' To 200' Deep, Add	860.02	
For Right Angle Drilling, Add	820.64	
31 64 13 00-0061 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	900.88	
For >50' To 100' Deep, Add	69.86	
For >100' To 150' Deep, Add	225.22	
For >150' To 200' Deep, Add	278.77	
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,170.97	
For >50' To 100' Deep, Add	246.16	
For >100' To 150' Deep, Add	792.74	
For >150' To 200' Deep, Add	981.53	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,765.90	
For >50' To 100' Deep, Add	374.31	
For >100' To 150' Deep, Add	1,191.48	
For >150' To 200' Deep, Add	1,480.64	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,783.18	
For >50' To 100' Deep, Add	532.02	
For >100' To 150' Deep, Add	1,695.80	
For >150' To 200' Deep, Add	2,106.45	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	8,944.11	
For >50' To 100' Deep, Add	694.88	
For >100' To 150' Deep, Add	2,236.03	
For >150' To 200' Deep, Add	2,769.22	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	10,888.64	
For >50' To 100' Deep, Add	842.84	
For >100' To 150' Deep, Add	2,722.16	
For >150' To 200' Deep, Add	3,367.38	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,506.20	
For >50' To 100' Deep, Add	1,290.24	
For >100' To 150' Deep, Add	4,126.55	
For >150' To 200' Deep, Add	5,120.37	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	24,845.91	
For >50' To 100' Deep, Add	1,948.35	
For >100' To 150' Deep, Add	6,211.48	
For >150' To 200' Deep, Add	7,715.20	
31 64 13 00-0070 Caisson Setup And Removal <small>(31 64 13)</small>		
Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,104.33	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	5,857.10	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	1,907.92	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,543.90	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	159.00	
31 68 Foundation Anchors <small>(31 60)</small>		
31 68 13 Rock Foundation Anchors <small>(31 68)</small>		
31 68 13 00-0001 Materials And Placement <small>(31 68 13)</small>		
31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0003 3/4" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0004 EA 3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	205.09	
31 68 13 00-0005 EA 3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	293.95	
31 68 13 00-0006 EA 3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	356.45	
31 68 13 00-0007 EA 3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	471.68	
31 68 13 00-0008 1" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0009 EA 1" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	257.33	
31 68 13 00-0010 EA 1" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	394.39	
31 68 13 00-0011 EA 1" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	505.11	
31 68 13 00-0012 EA 1" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	668.58	
31 68 13 00-0013 1-3/8" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0014 EA 1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	418.41	
31 68 13 00-0015 EA 1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	647.83	
31 68 13 00-0016 EA 1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	850.94	
31 68 13 00-0017 EA 1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	1,106.75	

31	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 68	Foundation Anchors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0018 2" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0019 EA 2" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	908.28	
31 68 13 00-0020 EA 2" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	1,348.68	
31 68 13 00-0021 EA 2" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	1,762.67	
31 68 13 00-0022 EA 2" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	2,229.45	
31 68 13 00-0023 Super High-Tensile Anchors, ASTM A-108 <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024 3/4" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0025 EA 3/4" Rock Bolt, 5' Super High-Tensile Anchor.....	152.23	
31 68 13 00-0026 EA 3/4" Rock Bolt, 10' Super High-Tensile Anchor.....	203.08	
31 68 13 00-0027 EA 3/4" Rock Bolt, 15' Super High-Tensile Anchor.....	227.48	
31 68 13 00-0028 EA 3/4" Rock Bolt, 20' Super High-Tensile Anchor.....	302.86	
31 68 13 00-0029 1" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0030 EA 1" Rock Bolt, 5' Super High-Tensile Anchor.....	179.35	
31 68 13 00-0031 EA 1" Rock Bolt, 10' Super High-Tensile Anchor.....	248.76	
31 68 13 00-0032 EA 1" Rock Bolt, 15' Super High-Tensile Anchor.....	289.64	
31 68 13 00-0033 EA 1" Rock Bolt, 20' Super High-Tensile Anchor.....	383.25	
31 68 13 00-0034 1-1/4" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0035 EA 1-1/4" Rock Bolt, 5' Super High-Tensile Anchor.....	258.98	
31 68 13 00-0036 EA 1-1/4" Rock Bolt, 10' Super High-Tensile Anchor.....	362.91	
31 68 13 00-0037 EA 1-1/4" Rock Bolt, 15' Super High-Tensile Anchor.....	439.98	
31 68 13 00-0038 EA 1-1/4" Rock Bolt, 20' Super High-Tensile Anchor.....	566.57	
31 68 13 00-0039 2" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0040 EA 2" Rock Bolt, 5' Super High-Tensile Anchor.....	664.33	
31 68 13 00-0041 EA 2" Rock Bolt, 10' Super High-Tensile Anchor.....	943.50	
31 68 13 00-0042 EA 2" Rock Bolt, 15' Super High-Tensile Anchor.....	1,149.07	
31 68 13 00-0043 EA 2" Rock Bolt, 20' Super High-Tensile Anchor.....	1,419.82	
31 68 13 00-0044 Solid Rebar Anchors, ASTM A615 <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045 3/4" Diameter <small>(31 68 13 00-0044)</small>		
31 68 13 00-0046 EA 3/4" Rock Bolt, 5' Solid Rebar Anchor.....	143.53	
31 68 13 00-0047 EA 3/4" Rock Bolt, 10' Solid Rebar Anchor.....	184.67	
31 68 13 00-0048 EA 3/4" Rock Bolt, 15' Solid Rebar Anchor.....	199.43	
31 68 13 00-0049 EA 3/4" Rock Bolt, 20' Solid Rebar Anchor.....	266.95	
31 68 13 00-0050 1" Diameter <small>(31 68 13 00-0044)</small>		
31 68 13 00-0051 EA 1" Rock Bolt, 5' Solid Rebar Anchor.....	160.28	
31 68 13 00-0052 EA 1" Rock Bolt, 10' Solid Rebar Anchor.....	212.38	
31 68 13 00-0053 EA 1" Rock Bolt, 15' Solid Rebar Anchor.....	238.15	
31 68 13 00-0054 EA 1" Rock Bolt, 20' Solid Rebar Anchor.....	316.59	
31 68 13 00-0055 1-1/4" Diameter <small>(31 68 13 00-0044)</small>		
31 68 13 00-0056 EA 1-1/4" Rock Bolt, 5' Solid Rebar Anchor.....	227.31	
31 68 13 00-0057 EA 1-1/4" Rock Bolt, 10' Solid Rebar Anchor.....	293.88	
31 68 13 00-0058 EA 1-1/4" Rock Bolt, 15' Solid Rebar Anchor.....	334.20	
31 68 13 00-0059 EA 1-1/4" Rock Bolt, 20' Solid Rebar Anchor.....	427.21	
31 68 13 00-0060 Resin Anchoring With Grade 60 Rebar <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061 Rebar #6 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0062 EA #6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar.....	84.71	
31 68 13 00-0063 EA #6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar.....	116.67	
31 68 13 00-0064 EA #6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar.....	122.29	
31 68 13 00-0065 EA #6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	169.40	
31 68 13 00-0066 Rebar #8 <small>(31 68 13 00-0060)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0067 EA #8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	89.08	
31 68 13 00-0068 EA #8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	125.41	
31 68 13 00-0069 EA #8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	135.40	
31 68 13 00-0070 EA #8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	198.11	
31 68 13 00-0071 Rebar #10 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0072 EA #10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	95.32	
31 68 13 00-0073 EA #10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	137.89	
31 68 13 00-0074 EA #10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	154.12	
31 68 13 00-0075 EA #10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	223.08	
31 68 13 00-0076 Rebar #14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0077 EA #14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	110.29	
31 68 13 00-0078 EA #14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	167.85	
31 68 13 00-0079 EA #14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	199.05	
31 68 13 00-0080 EA #14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	282.99	
31 68 13 00-0081 Plastic Rebar Collars, Sizes #6-#14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0082 EA Plastic Rebar Collars For Rebar #4 To #14.....	2.36	
31 68 13 00-0083 12" Long Resin Cartridges <small>(31 68 13 00-0001)</small>		
31 68 13 00-0084 EA 7/8" Resin Cartridge 12" Long.....	1.91	
31 68 13 00-0085 EA 1" Resin Cartridge 12" Long.....	2.62	
31 68 13 00-0086 EA 1-1/16" Resin Cartridge 12" Long.....	2.81	
31 68 13 00-0087 EA 1-1/4" Resin Cartridge 12" Long.....	3.03	
31 68 13 00-0088 EA 1-3/8" Resin Cartridge 12" Long.....	3.48	
31 68 13 00-0089 EA 1-9/16" Resin Cartridge 12" Long.....	4.36	
31 68 13 00-0090 EA 1-3/4" Resin Cartridge 12" Long.....	5.99	
31 68 13 00-0091 Head Assembly <small>(31 68 13 00-0001)</small>		
31 68 13 00-0092 3/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0093 EA 3/4" Rod Head Assembly 1-5/8" Short Cone and Shell.....	27.30	
31 68 13 00-0094 EA 3/4" Rod Head Assembly 1-3/4" Short Cone and Shell.....	23.00	
31 68 13 00-0095 EA 3/4" Rod Head Assembly 1-7/8" Short Cone and Shell.....	24.12	
31 68 13 00-0096 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	43.31	
31 68 13 00-0097 EA 3/4" Rod Head Assembly 1-7/8" Long Cone and Shell.....	43.31	
31 68 13 00-0098 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	41.03	
31 68 13 00-0099 1" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0100 EA 1" Rod Head Assembly 1-5/8" Short Cone and Shell.....	29.43	
31 68 13 00-0101 EA 1" Rod Head Assembly 1-3/4" Short Cone and Shell.....	25.18	
31 68 13 00-0102 EA 1" Rod Head Assembly 1-7/8" Short Cone and Shell.....	26.31	
31 68 13 00-0103 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	45.56	
31 68 13 00-0104 EA 1" Rod Head Assembly 1-7/8" Long Cone and Shell.....	45.56	
31 68 13 00-0105 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	43.44	
31 68 13 00-0106 1-1/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0107 EA 1-1/4" Rod Head Assembly 2" Short Cone and Shell.....	65.65	
31 68 13 00-0108 EA 1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell.....	76.70	
31 68 13 00-0109 EA 1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell.....	77.79	
31 68 13 00-0110 EA 1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell.....	68.99	
31 68 13 00-0111 EA 1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell.....	80.44	
31 68 13 00-0112 1-7/8" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0113 EA 1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/FI.....	258.40	
31 68 13 00-0114 EA 1-7/8" Rod Head Assembly 3" Long Cone and Shell.....	178.15	
31 68 13 00-0115 2" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0116 EA 2" Rod Head Assembly 3-1/2" Long Cone/Shell/FI.....	258.40	
31 68 13 00-0117 EA 2" Rod Head Assembly 3" Long Cone and Shell.....	178.15	
31 68 13 00-0118 Steel Plates With Standard Hole And Washers <small>(31 68 13 00-0001)</small>		
31 68 13 00-0119 Steel Plates <small>(31 68 13 00-0118)</small>		
31 68 13 00-0120 EA 1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer.....	3.75	
31 68 13 00-0121 EA 1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	6.93	
31 68 13 00-0122 EA 3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	9.65	
31 68 13 00-0123 EA 3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	16.91	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 68 Foundation Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	6.57	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	17.25	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	28.63	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	40.56	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	24.35	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	68.88	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	101.50	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	44.56	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	120.51	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	60.27	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	144.95	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	66.52	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	160.76	
31 68 13 00-0137		Hardened Washers (31 68 13 00-0118)		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	0.90	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.25	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	3.50	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	8.71	
31 68 13 00-0142		Beveled Washers (31 68 13 00-0118)		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	2.28	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	2.25	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	3.40	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	14.54	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	10.05	
31 68 13 00-0148		Hex Nuts (31 68 13 00-0118)		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	1.78	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	2.90	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	11.89	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	7.49	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	47.77	
31 68 13 00-0154		Drilling Operation For Rockbolts (31 68 13)		
31 68 13 00-0155		Drill Holes For Rock Bolts (31 68 13 00-0154)		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole (31 68 13 00-0155)		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	188.38	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	355.82	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	533.74	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	640.48	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole (31 68 13 00-0155)		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	246.34	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	457.49	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	640.48	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	800.60	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole (31 68 13 00-0155)		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	266.87	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	533.74	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	800.60	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,067.47	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole (31 68 13 00-0155)		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	320.24	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	640.48	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	1,067.47	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,601.21	
31 68 13 00-0176		Tools (31 68 13)		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental (31 68 13 00-0176)		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	726.91	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,071.24	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,797.12	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,690.51	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,021.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0183 Torque Wrenches And Ratchet Adapter, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0184 0-500 Foot Pounds (0-678J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0185 EA 1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental.....	254.37	
31 68 13 00-0186 EA Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds.....	159.45	
31 68 13 00-0187 EA Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental.....	414.13	
31 68 13 00-0188 0-600 Foot Pounds (0-814J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0189 EA 0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental.....	288.80	
31 68 13 00-0190 Up To 1,000 Foot Pounds (0-1356J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0191 EA 1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental.....	554.65	
31 68 13 00-0192 EA Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental.....	136.80	
31 68 13 00-0193 EA Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental.....	691.45	
31 68 13 00-0194 Torque Multiplier, 4:1 Multiplier <small>(31 68 13 00-0176)</small>		
31 68 13 00-0195 EA Torque Multiplier, 4 To 1 Ratio.....	710.37	
31 68 13 00-0196 Pneumatic Drive Torque Wrench <small>(31 68 13 00-0176)</small>		
31 68 13 00-0197 EA Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J).....	1,520.01	
31 68 13 00-0198 Grouting <small>(31 68 13)</small>		
31 68 13 00-0199 Grouting With Pumps <small>(31 68 13 00-0198)</small>		
Note: Grout material and labor only.		
31 68 13 00-0200 GAL Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery.....	22.84	
31 68 13 00-0201 GAL Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery.....	35.73	
31 68 13 00-0202 GAL Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery.....	32.96	
31 68 13 00-0203 Grout Pumps, Monthly Rental <small>(31 68 13 00-0198)</small>		
31 68 13 00-0204 EA Hand Grout Pump, Monthly Rental.....	153.15	
31 68 13 00-0205 EA Air Powered Programmable Feed Grout Pump Monthly Rental.....	1,288.32	
31 68 13 00-0206 EA Air Powered, Piston Drive Grout Pump Monthly Rental.....	2,249.29	
31 68 13 00-0207 Rock Bolt Testing <small>(31 68 13)</small>		
31 68 13 00-0208 EA Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing.....	600.09	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 68	Foundation Anchors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal from Paving ^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings ^(32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.10	
	For Up To 250, Add	1.05	
	For >250 To 1,000, Add	0.53	
	For >5,000 To 10,000, Deduct	-0.32	
	For >10,000 To 25,000, Deduct	-0.53	
	For >25,000 To 50,000, Deduct	-0.74	
	For >50,000, Deduct	-0.84	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.52	
	For Up To 250, Add	1.26	
	For >250 To 1,000, Add	0.63	
	For >5,000 To 10,000, Deduct	-0.38	
	For >10,000 To 25,000, Deduct	-0.63	
	For >25,000 To 50,000, Deduct	-0.88	
	For >50,000, Deduct	-1.01	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.02	
	For Up To 250, Add	1.51	
	For >250 To 1,000, Add	0.76	
	For >5,000 To 10,000, Deduct	-0.45	
	For >10,000 To 25,000, Deduct	-0.76	
	For >25,000 To 50,000, Deduct	-1.06	
	For >50,000, Deduct	-1.21	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.62	
	For Up To 250, Add	1.81	
	For >250 To 1,000, Add	0.91	
	For >5,000 To 10,000, Deduct	-0.54	
	For >10,000 To 25,000, Deduct	-0.91	
	For >25,000 To 50,000, Deduct	-1.27	
	For >50,000, Deduct	-1.45	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.62	
	For Up To 250, Add	1.81	
	For >250 To 1,000, Add	0.91	
	For >5,000 To 10,000, Deduct	-0.54	
	For >10,000 To 25,000, Deduct	-0.91	
	For >25,000 To 50,000, Deduct	-1.27	
	For >50,000, Deduct	-1.45	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping	2.70	
	For Up To 250, Add	1.35	
	For >250 To 1,000, Add	0.68	
	For >5,000 To 10,000, Deduct	-0.41	
	For >10,000 To 25,000, Deduct	-0.68	
	For >25,000 To 50,000, Deduct	-0.95	
	For >50,000, Deduct	-1.08	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping	3.19	
	For Up To 250, Add	1.60	
	For >250 To 1,000, Add	0.80	
	For >5,000 To 10,000, Deduct	-0.48	
	For >10,000 To 25,000, Deduct	-0.80	
	For >25,000 To 50,000, Deduct	-1.12	
	For >50,000, Deduct	-1.28	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping	3.86	
	For Up To 250, Add	1.93	
	For >250 To 1,000, Add	0.97	
	For >5,000 To 10,000, Deduct	-0.58	
	For >10,000 To 25,000, Deduct	-0.97	
	For >25,000 To 50,000, Deduct	-1.35	
	For >50,000, Deduct	-1.54	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping	4.62	
	For Up To 250, Add	2.31	
	For >250 To 1,000, Add	1.16	
	For >5,000 To 10,000, Deduct	-0.69	
	For >10,000 To 25,000, Deduct	-1.16	
	For >25,000 To 50,000, Deduct	-1.62	
	For >50,000, Deduct	-1.85	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	4.62	
	For Up To 250, Add	2.31	
	For >250 To 1,000, Add	1.16	
	For >5,000 To 10,000, Deduct	-0.69	
	For >10,000 To 25,000, Deduct	-1.16	
	For >25,000 To 50,000, Deduct	-1.62	
	For >50,000, Deduct	-1.85	

32 01 13 Flexible Paving Surface Treatment ^(32 01)

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 01 13 61 Slurry Seal (Latex Modified)** (32 01 13)**32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot** (32 01 13 61)

Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge	964.81
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
32 01 13 61-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	5.22
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.34
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.40
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.50
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.89
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.64
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.41
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0007	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.20
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0008	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.00
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0009	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	6.56
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.35
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.41
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.51
		For Each 0.5% Of Latex Addition, Add	0.69
32 01 13 61-0010	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	6.21
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.49
		For Each 0.5% Of Latex Addition, Add	0.69
32 01 13 61-0011	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	5.94
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
		For Each 0.5% Of Latex Addition, Add	0.69
32 01 13 61-0012	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	5.70
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.69
32 01 13 61-0013	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	5.47
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.69
32 01 13 61-0014	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	5.26
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.69

32 01 13 62 Asphalt Surface Treatment (32 01 13)**32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing)** (32 01 13 62)

Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 62-0002 SY Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	11.71	
32 01 13 62-0003 SY Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	11.18	
32 01 13 62-0004 SY >500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	10.70	
32 01 13 62-0005 SY >1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	10.30	
32 01 13 62-0006 SY >5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.94	
32 01 13 62-0007 SY >10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.63	
32 01 13 62-0008 SY >20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.41	
32 01 13 62-0009 SY >50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.28	

32 01 16 Flexible Paving Rehabilitation (32 01)

32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)

32 01 16 71-0001 Removal Of Asphalt Surface Course (32 01 16 71)

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas (32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt.....	4.70
		<i>For Up To 2,500, Add</i>	3.53
		<i>For >2,500 To 5,000, Add</i>	1.18
		<i>For >10,000 To 25,000, Deduct</i>	-0.47
		<i>For >25,000, Deduct</i>	-0.71
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt.....	6.27
		<i>For Up To 2,500, Add</i>	4.70
		<i>For >2,500 To 5,000, Add</i>	1.57
		<i>For >10,000 To 25,000, Deduct</i>	-0.63
		<i>For >25,000, Deduct</i>	-0.94
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt.....	8.35
		<i>For Up To 2,500, Add</i>	6.26
		<i>For >2,500 To 5,000, Add</i>	2.09
		<i>For >10,000 To 25,000, Deduct</i>	-0.84
		<i>For >25,000, Deduct</i>	-1.25

32 01 16 71-0006 Limited Production Cold Milling (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt.....	29.75
		<i>For >100 To 1,000, Deduct</i>	-14.88
		<i>For >1,000, Deduct</i>	-22.31
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt.....	39.40
		<i>For >100 To 1,000, Deduct</i>	-19.70
		<i>For >1,000, Deduct</i>	-29.55
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt.....	52.46
		<i>For >100 To 1,000, Deduct</i>	-26.23
		<i>For >1,000, Deduct</i>	-39.35

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	7.71
------------------	----	--	------

32 01 16 71-0012 Wedge Grinding Cold Milling (32 01 16 71)

Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning.

32 01 16 71-0013	LF	5' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth.....	8.26
32 01 16 71-0014	LF	10' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth.....	16.52

32 01 16 71-0015 Cutback Ramp (32 01 16 71)

32 01 16 71-0016	LF	1" Differential, 5' Length, Cutback Ramp.....	12.75
32 01 16 71-0017	LF	1-1/2" Differential, 5' Length, Cutback Ramp.....	15.65
32 01 16 71-0018	LF	2" Differential, 5' Length, Cutback Ramp.....	18.29

32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)

32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep.....	11.34
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	13.72
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings.....	203.38

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing (32 01 16 74)

Note: Includes direct loading into truck.

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	16.02	
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.01	
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.01	
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.79	
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.38	
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	17.48	
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.74	
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.12	
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.23	
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.61	
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.81	
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.43	
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	20.97	
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.49	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.25	
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.89	
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,802.90	

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

**32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With
Standard Weight Aggregate Longitudinal Crack And Sealing Repair** (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.87	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	0.54	
		For 1" x 1/2" Fill, Add	1.02	
		For Backer Rod, Add	1.09	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.53	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	0.45	
		For 1" x 1/2" Fill, Add	0.86	
		For Backer Rod, Add	0.98	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.22	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	0.37	
		For 1" x 1/2" Fill, Add	0.70	
		For Backer Rod, Add	0.87	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.05	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	0.32	
		For 1" x 1/2" Fill, Add	0.61	
		For Backer Rod, Add	0.81	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.94	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	0.28	
		For 1" x 1/2" Fill, Add	0.54	
		For Backer Rod, Add	0.76	
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.86	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	0.26	
		For 1" x 1/2" Fill, Add	0.49	
		For Backer Rod, Add	0.72	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	3.09	
		For 3/8" x 1/4" Fill, Add	0.74	
		For 1/2" x 1/4" Fill, Add	1.37	
		For 1/2" x 1/2" Fill, Add	3.32	
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.50	
		For 3/8" x 1/4" Fill, Add	0.61	
		For 1/2" x 1/4" Fill, Add	1.14	
		For 1/2" x 1/2" Fill, Add	2.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0010 LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.94	
For 3/8" x 1/4" Fill, Add	0.49	
For 1/2" x 1/4" Fill, Add	0.91	
For 1/2" x 1/2" Fill, Add	2.23	
32 01 17 61-0011 LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.70	
For 3/8" x 1/4" Fill, Add	0.43	
For 1/2" x 1/4" Fill, Add	0.80	
For 1/2" x 1/2" Fill, Add	1.98	
32 01 17 61-0012 LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.53	
For 3/8" x 1/4" Fill, Add	0.38	
For 1/2" x 1/4" Fill, Add	0.71	
For 1/2" x 1/2" Fill, Add	1.76	
32 01 17 61-0013 LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.42	
For 3/8" x 1/4" Fill, Add	0.35	
For 1/2" x 1/4" Fill, Add	0.66	
For 1/2" x 1/2" Fill, Add	1.61	
32 01 17 61-0014 LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.54	

32 01 17 63 Flexible Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002 EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,743.48
32 01 17 63-0003 TON Temporary Pot Hole Repairs With Cold Mix Modified.....	528.90
Note: Use for each ton over 3 tons.	
32 01 17 63-0004 EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,660.21
32 01 17 63-0005 TON Temporary Pot Hole Repairs With Cold Mix	501.14
Note: Use for each ton over 3 tons.	
32 01 17 63-0006 EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,618.57
32 01 17 63-0007 TON Temporary Pot Hole Repairs With Hot Mix Modified.....	487.26
Note: Use for each ton over 3 tons.	
32 01 17 63-0008 EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,576.93
32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix	473.38
Note: Use for each ton over 3 tons.	

32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,859.77
32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix	604.85
Note: Use for each ton over 3 tons.	
32 01 17 63-0013 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,818.13
32 01 17 63-0014 TON Permanent Pot Hole Repairs With Hot Mix Modified	590.97
Note: Use for each ton over 3 tons.	
32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,776.49
32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix	577.09
Note: Use for each ton over 3 tons.	

32 01 17 63-0017 Asphalt Placement For Small Repairs (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	2,443.42
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified	346.80
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	2,360.15
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix.....	319.04
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	2,318.51
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified	305.16
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	2,276.87
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix.....	291.28
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 17 Flexible Paving Repair**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 17 63-0026	Grind Asphalt ^(32 01 17 63)	
32 01 17 63-0027	SY Grinding Asphalt To Level Bump Or Raised Area.....	21.12

32 01 26 Rigid Paving Rehabilitation^(32 01)**32 01 26 71 Grooving of Concrete Paving^(32 01 26)**

32 01 26 71-0001	Roadway Grooving ^(32 01 26 71)	
32 01 26 71-0002	EA First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	4,110.62
32 01 26 71-0003	SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	3.81
32 01 26 71-0004	EA First 500 SY Of Pavement Grooving, Concrete, Traverse.....	4,579.37
32 01 26 71-0005	SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse.....	4.95

32 01 26 71-0006 Rumble Strips^(32 01 26 71)

32 01 26 71-0007	EA First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,395.34
32 01 26 71-0008	LF Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.80
32 01 26 71-0009	EA First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	4,898.20
32 01 26 71-0010	LF Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	0.89

32 01 26 73 Milling Of Concrete Paving^(32 01 26)**32 01 26 73-0001 Removal Of Concrete^(32 01 26 73)**

Note: Includes direct loading into truck.

32 01 26 73-0002 Production Milling Of Roads And Parking Areas^(32 01 26 73-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 26 73-0003	SY Production Milling Of Concrete Per Inch.....	7.12
------------------	---	------

32 01 26 73-0004 Limited Production Milling^(32 01 26 73-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 26 73-0005	SY Limited Production Milling Of Concrete Per Inch.....	44.72
------------------	---	-------

32 01 29 Rigid Paving Repair^(32 01)**32 01 29 61 Partial Depth Patching of Rigid Paving^(32 01 29)****32 01 29 61-0001 Hot Applied Flexible Concrete Repair^(32 01 29 61)**

Note: Excludes saw cutting (where required), flagmen.

32 01 29 61-0002	EA Hot Applied Flexible Concrete Repair Minimum Charge.....	1,202.79
	Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphaltcharge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	
32 01 29 61-0003	SF Up To 2" Depth, Hot Applied Flexible Concrete Repair.....	68.46
	For >25 SF Quantity, Deduct	-6.85
32 01 29 61-0004	SF >2" To 4" Depth, Hot Applied Flexible Concrete Repair.....	128.90
	For >25 SF Quantity, Deduct	-12.89
32 01 29 61-0005	SF >4" To 6" Depth, Hot Applied Flexible Concrete Repair.....	188.80
	For >25 SF Quantity, Deduct	-18.88
32 01 29 61-0006	SF >6" To 8" Depth, Hot Applied Flexible Concrete Repair.....	248.70
	For >25 SF Quantity, Deduct	-24.87
32 01 29 61-0007	SF >8" To 10" Depth, Hot Applied Flexible Concrete Repair.....	308.60
	For >25 SF Quantity, Deduct	-30.86
32 01 29 61-0008	CF >10" Depth, Hot Applied Flexible Concrete Repair.....	367.97

32 01 29 61-0009 Cold Applied Flexible Concrete Repair^(32 01 29 61)

32 01 29 61-0010	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	6.59
32 01 29 61-0011	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	9.54
32 01 29 61-0012	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	12.61
32 01 29 61-0013	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	15.77
32 01 29 61-0014	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	22.54
32 01 29 61-0015	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	6.67
32 01 29 61-0016	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	9.63
32 01 29 61-0017	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	12.69
32 01 29 61-0018	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	15.86
32 01 29 61-0019	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	22.63
32 01 29 61-0020	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	6.63
32 01 29 61-0021	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	9.59
32 01 29 61-0022	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	12.65
32 01 29 61-0023	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	15.82
32 01 29 61-0024	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	22.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 01 90 Operation and Maintenance of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	14.61
32 01 90 13-0002	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	10.59
32 01 90 13-0003	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	11.59
32 01 90 13-0004	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	9.49

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR Vegetation Cutting By Bush Hog	204.10
Note: Includes normal debris removal, cutting, and trimming.		
For <1 Acre, Add		51.03
32 01 90 19-0002	MSF Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	7.11
32 01 90 19-0003	MSF Mowing Vegetation With Riding Mower, >45,000 SF	5.51
32 01 90 19-0004	MSF Clear Vegetation With Weed Trimmer, Up To 1,000 SF	24.20
For Work On Slopes >2:1, Add		6.05
For Clearing Light Brush, Add		3.63
32 01 90 19-0005	MSF Clear Vegetation With Weed Trimmer, >1,000 SF	20.33
For Work On Slopes >2:1, Add		5.08
For Clearing Light Brush, Add		3.05
32 01 90 19-0006	MSF Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	20.97

32 01 90 23 Pruning (32 01 90)

32 01 90 23-0001

Tree Pruning (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002

Tree Pruning; Crown Cleaning (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA 1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	30.25
32 01 90 23-0004	EA 2" Caliper, Tree Pruning (Crown Cleaning), By Hand	34.57
32 01 90 23-0005	EA 2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	38.90
32 01 90 23-0006	EA 3" Caliper, Tree Pruning (Crown Cleaning), By Hand	43.22
32 01 90 23-0007	EA 4" Caliper, Tree Pruning (Crown Cleaning), By Hand	65.68
32 01 90 23-0008	EA 4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	111.26
32 01 90 23-0009	EA 6" Caliper, Tree Pruning (Crown Cleaning), By Hand	114.94
32 01 90 23-0010	EA 6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	211.90
32 01 90 23-0011	EA 9" Caliper, Tree Pruning (Crown Cleaning), By Hand	184.07
32 01 90 23-0012	EA 9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	338.96
32 01 90 23-0013	EA 12" Caliper, Tree Pruning (Crown Cleaning), By Hand	212.70
32 01 90 23-0014	EA 12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	391.99
32 01 90 23-0015	EA 18" Caliper, Tree Pruning (Crown Cleaning), By Hand	247.25
32 01 90 23-0016	EA 18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	455.56
32 01 90 23-0017	EA 24" Caliper, Tree Pruning (Crown Cleaning), By Hand	300.97
32 01 90 23-0018	EA 24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	551.01
32 01 90 23-0019	EA 30" Caliper, Tree Pruning (Crown Cleaning), By Hand	373.86
32 01 90 23-0020	EA 30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	694.43
32 01 90 23-0021	EA 36" Caliper, Tree Pruning (Crown Cleaning), By Hand	512.07
32 01 90 23-0022	EA 36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	941.19
32 01 90 23-0023	EA 48" Caliper, Tree Pruning (Crown Cleaning), By Hand	812.38
32 01 90 23-0024	EA 48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,513.58

32 01 90 23-0025

Tree Pruning; Crown Thinning (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA 1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	37.08
32 01 90 23-0027	EA 2" Caliper, Tree Pruning (Crown Thinning), By Hand	42.36
32 01 90 23-0028	EA 2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	47.63
32 01 90 23-0029	EA 3" Caliper, Tree Pruning (Crown Thinning), By Hand	52.99
32 01 90 23-0030	EA 4" Caliper, Tree Pruning (Crown Thinning), By Hand	80.48
32 01 90 23-0031	EA 4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	136.25
32 01 90 23-0032	EA 6" Caliper, Tree Pruning (Crown Thinning), By Hand	140.81
32 01 90 23-0033	EA 6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	259.58
32 01 90 23-0034	EA 9" Caliper, Tree Pruning (Crown Thinning), By Hand	225.52
32 01 90 23-0035	EA 9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	415.22
32 01 90 23-0036	EA 12" Caliper, Tree Pruning (Crown Thinning), By Hand	260.52
32 01 90 23-0037	EA 12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	480.17
32 01 90 23-0038	EA 18" Caliper, Tree Pruning (Crown Thinning), By Hand	302.88

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	558.04	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	368.66	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	675.01	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	457.95	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	850.67	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	627.28	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,152.96	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	995.16	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,854.13	

32 01 90 23-0048 Tree Pruning; Crown Raising (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	40.89	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	46.67	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	52.56	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	58.35	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	88.68	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	150.24	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	155.15	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	286.06	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	248.51	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	457.60	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	287.14	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	529.22	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	333.82	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	615.04	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	406.35	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	743.88	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	504.70	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	937.45	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	691.33	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,270.55	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,096.72	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,043.36	

32 01 90 23-0071 Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	43.91	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	50.13	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	56.44	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	62.67	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	95.25	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	161.36	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	166.65	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	307.26	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	266.92	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	491.51	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	308.41	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	568.42	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	358.54	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	660.60	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	436.42	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	798.97	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	542.13	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,006.95	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	742.50	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,364.75	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,177.97	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,194.66	

32 01 90 23-0094 Tree Pruning; Crown Restoration (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several prunings over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	50.40	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	57.66	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	64.82	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	72.00	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	109.43	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	185.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0101 EA 6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	191.54	
32 01 90 23-0102 EA 6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	353.13	
32 01 90 23-0103 EA 9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	306.77	
32 01 90 23-0104 EA 9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	564.93	
32 01 90 23-0105 EA 12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	354.48	
32 01 90 23-0106 EA 12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	653.29	
32 01 90 23-0107 EA 18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	412.04	
32 01 90 23-0108 EA 18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	759.24	
32 01 90 23-0109 EA 24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	501.60	
32 01 90 23-0110 EA 24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	918.38	
32 01 90 23-0111 EA 30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	623.12	
32 01 90 23-0112 EA 30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,157.40	
32 01 90 23-0113 EA 36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	853.49	
32 01 90 23-0114 EA 36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,568.70	
32 01 90 23-0115 EA 48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,353.95	
32 01 90 23-0116 EA 48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,522.68	
32 01 90 23-0117 Palm Tree Pruning <small>(32 01 90 23)</small>		
32 01 90 23-0118 EA Trim Mexican Palm Tree.....	91.64	
32 01 90 23-0119 EA Trim Date Palm Tree	206.79	
32 01 90 23-0120 LF Skin Palm Tree	23.50	
32 01 90 23-0121 EA Trim And Skin Palm Tree, Up To 30' Height.....	90.06	
32 01 90 23-0122 EA Trim And Skin Palm Tree, >30' To 60' Height.....	111.25	
32 01 90 23-0123 EA Trim And Skin Palm Tree, >60' To 80' Height.....	124.49	
32 01 90 23-0124 Shrub Pruning <small>(32 01 90 23)</small>		
32 01 90 23-0125 MSF Shrub Pruning, Prune, Shrub Bed	98.49	
32 01 90 23-0126 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	3.46	
32 01 90 23-0127 EA Shrub Pruning, Prune, Shrub 4' Height.....	7.78	
32 01 90 23-0128 EA Shrub Pruning, Prune, Shrub Over 6'	13.83	
32 01 90 23-0129 EA Shrub Pruning, Prune Trees From Ground.....	34.57	
32 01 90 23-0130 EA Shrub Pruning, Prune Trees From Ground, High Work.....	86.44	
32 01 90 23-0131 Root Pruning <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0132 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	17.29	
32 01 90 23-0133 EA Root Pruning, One Side Of 2" Caliper Tree.....	21.60	
32 01 90 23-0134 EA Root Pruning, One Side Of 2-1/2" Caliper Tree.....	25.93	
32 01 90 23-0135 EA Root Pruning, One Side Of 3" Caliper Tree.....	34.57	
32 01 90 23-0136 EA Root Pruning, One Side Of 4" Caliper Tree	51.86	
32 01 90 23-0137 EA Root Pruning, One Side Of >4" To 6" Caliper Tree.....	64.82	
32 01 90 23-0138 EA Root Pruning, One Side Of >6" To 9" Caliper Tree.....	90.76	
32 01 90 23-0139 EA Root Pruning, One Side Of >9" To 12" Caliper Tree.....	103.73	
32 01 90 23-0140 EA Root Pruning, One Side Of >12" To 18" Caliper Tree.....	121.01	
32 01 90 23-0141 EA Root Pruning, One Side Of >18" To 24" Caliper Tree	151.26	
32 01 90 23-0142 EA Root Pruning, One Side Of >24" To 30" Caliper Tree.....	185.84	
32 01 90 23-0143 EA Root Pruning, One Side Of >30" To 36" Caliper Tree.....	216.09	
32 01 90 23-0144 EA Root Pruning, One Side Of >36" To 42" Caliper Tree.....	237.70	
32 01 90 23-0145 EA Root Pruning, One Side Of >42" To 48" Caliper Tree.....	259.31	
32 01 90 26 Watering <small>(32 01 90)</small>		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001 Watering Lawns, Plants And Trees <small>(32 01 90 26)</small>		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002 MSF Watering Sod/Grass, Per Inch Of Water	48.38	
32 01 90 26-0003 CSF Watering Groundcover.....	7.46	
32 01 90 26-0004 CSF Watering Annuals And Perennials	13.21	
32 01 90 26-0005 EA Watering Trees, 1-1/2" To 5" Diameter By Hand	25.51	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand	33.52	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand	41.55	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand.....	51.14	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand.....	12.82	
32 01 90 36 Weed and Brush Control <small>(32 01 90)</small>		
32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied <small>(32 01 90 36)</small>		

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 36-0002 MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	8.03	
For >45 To 90, Deduct	-0.44	
For >90 To 225, Deduct	-1.25	
For >225 To 870, Deduct	-2.05	
For >870, Deduct	-2.49	
32 01 90 36-0003 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF).....	8.68	
For >45 To 90, Deduct	-0.51	
For >90 To 225, Deduct	-1.38	
For >225 To 870, Deduct	-2.24	
For >870, Deduct	-2.75	
32 01 90 36-0004 MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	8.64	
Note: Includes pre and post emergent.		
For >45 To 90, Deduct	-0.50	
For >90 To 225, Deduct	-1.37	
For >225 To 870, Deduct	-2.23	
For >870, Deduct	-2.73	
32 01 90 36-0005 MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	9.05	
Note: Includes pre and post emergents.		
For >45 To 90, Deduct	-0.54	
For >90 To 225, Deduct	-1.45	
For >225 To 870, Deduct	-2.35	
For >870, Deduct	-2.90	
32 01 90 39 Pesticides (32 01 90)		
32 01 90 39-0001 MSF Pesticide - Surface Eating.....	11.04	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating.....	11.08	
32 01 90 39-0003 MSF Pesticide - Fungicide Application.....	12.01	
32 01 90 43 Weed and Cultivate Beds (32 01 90)		
32 01 90 43-0001 MSF Weed Mulched Bed.....	42.18	
32 01 90 43-0002 MSF Weed Unmulched Bed.....	120.51	
32 01 90 43-0003 MSF Cultivate Bed.....	64.89	
32 01 90 46 Hedge Trimming (32 01 90)		
32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide.....	5.58	
32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide.....	8.37	
32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide.....	12.68	
32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide.....	12.91	
32 01 90 53 Plant Growth Regulator Application (32 01 90)		
32 01 90 53-0001 EA Plant Growth Regulator Application.....	6.30	
32 10 Bases, Ballasts, and Paving (32)		
32 11 Base Courses (32 10)		
32 11 16 Subbase Courses (32 11)		
32 11 16 16 Aggregate Subbase Courses (32 11 16)		
32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)		
Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)		
32 11 16 16-0003 CY Class II Graded Crushed Aggregate Roadway Base Course.....	108.88	
32 11 16 16-0004 CY Class III Graded Crushed Aggregate Roadway Base Course.....	104.37	
32 11 23 Aggregate Base Courses (32 11)		
32 11 23 16 Aggregate Base Courses (32 11 23)		
32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)		
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 11 23 16-0002 SF 2" Crushed Aggregate Base Course For Sidewalks.....	0.74	
For Up To 1,000, Add	0.20	
For >1,000 To 2,500, Add	0.07	
32 11 23 16-0003 SF 3" Crushed Aggregate Base Course For Sidewalks.....	1.04	
For Up To 1,000, Add	0.29	
For >1,000 To 2,500, Add	0.10	
32 11 23 16-0004 SF 4" Crushed Aggregate Base Course For Sidewalks.....	1.35	
For Up To 1,000, Add	0.37	
For >1,000 To 2,500, Add	0.14	
32 11 23 16-0005 SF 5" Crushed Aggregate Base Course For Sidewalks.....	1.76	
For Up To 1,000, Add	0.49	
For >1,000 To 2,500, Add	0.18	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Base Courses	32 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 23 16-0006 SF 6" Crushed Aggregate Base Course For Sidewalks	2.17	
For Up To 1,000, Add	0.60	
For >1,000 To 2,500, Add	0.22	
32 11 23 16-0007 SF 7" Crushed Aggregate Base Course For Sidewalks	2.49	
For Up To 1,000, Add	0.69	
For >1,000 To 2,500, Add	0.25	
32 11 23 16-0008 SF 8" Crushed Aggregate Base Course For Sidewalks	2.82	
For Up To 1,000, Add	0.78	
For >1,000 To 2,500, Add	0.28	

32 11 26 Asphaltic Base Courses (32 11)

32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)

32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)

32 11 26 19-0002 CY Bituminous Stabilized Base Course	117.02
Note: 3/4" ASTM C33.	

32 12 Flexible Paving (32 10)

32 12 13 Preparatory Coats (32 12)

32 12 13 13 Tack Coats (32 12 13)

32 12 13 13-0001 SY Tack Coat, 0.04 Gallon/SY	0.64
For Up To 150, Add	0.12
For >150 To 300, Add	0.06
For >300 To 500, Add	0.03
For >3,500 To 5,000, Deduct	-0.02
For >5,000, Deduct	-0.04
32 12 13 13-0002 SY Tack Coat, 0.05 Gallon/SY	0.71
For Up To 150, Add	0.14
For >150 To 300, Add	0.07
For >300 To 500, Add	0.04
For >3,500 To 5,000, Deduct	-0.02
For >5,000, Deduct	-0.04
32 12 13 13-0003 SY Tack Coat, 0.07 Gallon/SY	0.84
For Up To 150, Add	0.17
For >150 To 300, Add	0.08
For >300 To 500, Add	0.04
For >3,500 To 5,000, Deduct	-0.02
For >5,000, Deduct	-0.05
32 12 13 13-0004 SY Tack Coat, 0.08 Gallon/SY	0.91
For Up To 150, Add	0.19
For >150 To 300, Add	0.09
For >300 To 500, Add	0.05
For >3,500 To 5,000, Deduct	-0.02
For >5,000, Deduct	-0.06
32 12 13 13-0005 SY Tack Coat, 0.10 Gallon/SY	1.05
For Up To 150, Add	0.23
For >150 To 300, Add	0.11
For >300 To 500, Add	0.05
For >3,500 To 5,000, Deduct	-0.03
For >5,000, Deduct	-0.07
32 12 13 13-0006 SY Tack Coat, 0.11 Gallon/SY	1.11
For Up To 150, Add	0.24
For >150 To 300, Add	0.11
For >300 To 500, Add	0.06
For >3,500 To 5,000, Deduct	-0.03
For >5,000, Deduct	-0.07

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY	1.87
For Up To 150, Add	0.42
For >150 To 300, Add	0.19
For >300 To 500, Add	0.09
For >3,500 To 5,000, Deduct	-0.05
For >5,000, Deduct	-0.13
32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY	1.98
For Up To 150, Add	0.45
For >150 To 300, Add	0.20
For >300 To 500, Add	0.10
For >3,500 To 5,000, Deduct	-0.05
For >5,000, Deduct	-0.14
32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY	2.08
For Up To 150, Add	0.48
For >150 To 300, Add	0.21
For >300 To 500, Add	0.10
For >3,500 To 5,000, Deduct	-0.05
For >5,000, Deduct	-0.14

32 12 16 Asphalt Paving (32 12)

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 12 16 13 Plant-Mix Asphalt Paving** (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)

Note: Meets Caltrans requirements.

32 12 16 13-0002	TON Bituminous Hot Mix Intermediate Binder Course 3,954 LB/CY	159.91
	Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	
	<i>For PG64-10 Asphalt, Add</i>	19.13
	<i>For Up To 25, Add</i>	21.82
	<i>For >25 To 50, Add</i>	12.04
	<i>For >500 To 1,000, Deduct</i>	-6.83
	<i>For >1,000 To 2,500, Deduct</i>	-12.38
	<i>For >2,500 To 5,000, Deduct</i>	-19.21
	<i>For >5,000, Deduct</i>	-27.54
	<i>For Warm Mix Additive, Add</i>	8.29
32 12 16 13-0003	SY 1" Thick Bituminous Hot Mix Intermediate Binder Course	9.05
	Note: Includes placement, rolling, finishing and sweeping.	
	<i>For PG64-10 Asphalt, Add</i>	1.05
	<i>For Up To 1,000, Add</i>	1.27
	<i>For >1,000 To 2,000, Add</i>	0.71
	<i>For >10,000 To 20,000, Deduct</i>	-0.39
	<i>For >20,000 To 50,000, Deduct</i>	-0.71
	<i>For >50,000 To 100,000, Deduct</i>	-1.10
	<i>For >100,000, Deduct</i>	-1.58
32 12 16 13-0004	SY 1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	13.44
	Note: Includes placement, rolling, finishing and sweeping.	
	<i>For PG64-10 Asphalt, Add</i>	1.58
	<i>For Up To 700, Add</i>	1.87
	<i>For >700 To 1,400, Add</i>	1.04
	<i>For >7,000 To 14,000, Deduct</i>	-0.58
	<i>For >14,000 To 32,000, Deduct</i>	-1.06
	<i>For >32,000 To 64,000, Deduct</i>	-1.65
	<i>For >64,000, Deduct</i>	-2.36
32 12 16 13-0005	SY 2" Thick Bituminous Hot Mix Intermediate Binder Course	17.39
	Note: Includes placement, rolling, finishing and sweeping.	
	<i>For PG64-10 Asphalt, Add</i>	2.10
	<i>For Up To 500, Add</i>	2.35
	<i>For >500 To 1,000, Add</i>	1.29
	<i>For >5,000 To 10,000, Deduct</i>	-0.77
	<i>For >10,000 To 24,000, Deduct</i>	-1.40
	<i>For >24,000 To 48,000, Deduct</i>	-2.16
	<i>For >48,000, Deduct</i>	-3.11
32 12 16 13-0006	SY 2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	21.95
	Note: Includes placement, rolling, finishing and sweeping.	
	<i>For PG64-10 Asphalt, Add</i>	2.63
	<i>For Up To 400, Add</i>	3.00
	<i>For >400 To 800, Add</i>	1.65
	<i>For >4,000 To 8,000, Deduct</i>	-0.96
	<i>For >8,000 To 20,000, Deduct</i>	-1.75
	<i>For >20,000 To 40,000, Deduct</i>	-2.72
	<i>For >40,000, Deduct</i>	-3.90
32 12 16 13-0007	SY 3" Thick Bituminous Hot Mix Intermediate Binder Course	26.34
	Note: Includes placement, rolling, finishing and sweeping.	
	<i>For PG64-10 Asphalt, Add</i>	3.15
	<i>For Up To 340, Add</i>	3.60
	<i>For >340 To 680, Add</i>	3.03
	<i>For >3,400 To 6,800, Deduct</i>	-1.16
	<i>For >6,800 To 17,000, Deduct</i>	-2.10
	<i>For >17,000 To 34,000, Deduct</i>	-3.26
	<i>For >34,000, Deduct</i>	-4.68
32 12 16 13-0008	SY 3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	30.74
	Note: Includes placement, rolling, finishing and sweeping.	
	<i>For PG64-10 Asphalt, Add</i>	3.68
	<i>For Up To 280, Add</i>	4.20
	<i>For >280 To 560, Add</i>	2.32
	<i>For >2,800 To 5,600, Deduct</i>	-1.35
	<i>For >5,600 To 14,000, Deduct</i>	-2.46
	<i>For >14,000 To 28,000, Deduct</i>	-3.81
	<i>For >28,000, Deduct</i>	-5.46
32 12 16 13-0009	SY 4" Thick Bituminous Hot Mix Intermediate Binder Course	35.13
	Note: Includes placement, rolling, finishing and sweeping.	
	<i>For PG64-10 Asphalt, Add</i>	4.20
	<i>For Up To 250, Add</i>	4.79
	<i>For >250 To 500, Add</i>	2.65
	<i>For >2,500 To 5,000, Deduct</i>	-1.54
	<i>For >5,000 To 12,000, Deduct</i>	-2.81
	<i>For >12,000 To 24,000, Deduct</i>	-4.35
	<i>For >24,000, Deduct</i>	-6.24



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Flexible Paving	32 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0010 SY 5" Thick Bituminous Hot Mix Intermediate Binder Course 43.90 Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	5.25	
For Up To 200, Add	5.99	
For >200 To 400, Add	3.31	
For >2,000 To 4,000, Deduct	-1.93	
For >4,000 To 10,000, Deduct	-3.51	
For >10,000 To 20,000, Deduct	-5.43	
For >20,000, Deduct	-7.80	
32 12 16 13-0011 SY 6" Thick Bituminous Hot Mix Intermediate Binder Course 52.68 Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	6.30	
For Up To 160, Add	7.19	
For >160 To 320, Add	3.97	
For >1,600 To 3,200, Deduct	-2.31	
For >3,200 To 8,000, Deduct	-4.21	
For >8,000 To 16,000, Deduct	-6.52	
For >16,000, Deduct	-9.36	
 32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>		
Note: Meets Caltrans requirements.		
32 12 16 13-0013 TON Bituminous Hot Mix Surface Course 3954 LB/CY 162.18 Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
For PG64-10 Asphalt, Add	3.04	
For Up To 25, Add	23.51	
For >25 To 50, Add	13.17	
For >500 To 1,000, Deduct	-6.65	
For >1,000 To 2,500, Deduct	-12.08	
For >2,500 To 5,000, Deduct	-18.73	
For >5,000, Deduct	-26.88	
For Warm Mix Additive, Add	7.91	
32 12 16 13-0014 TON Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) 179.88 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
For Up To 25, Add	26.49	
For >25 To 50, Add	14.90	
For >500 To 1,000, Deduct	-7.29	
For Warm Mix Additive, Add	8.62	
32 12 16 13-0015 TON Asphalt Rubberized Hot Mix (ARHM) Surface Course 192.05 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
For Up To 25, Add	27.71	
For >25 To 50, Add	15.51	
For >500 To 1,000, Deduct	-7.90	
For >1,000 To 2,500, Deduct	-14.35	
For >2,500 To 5,000, Deduct	-22.25	
For >5,000, Deduct	-31.93	
For Warm Mix Additive, Add	9.41	
32 12 16 13-0016 SY 1" Thick Bituminous Hot Mix Surface Wearing Course 8.82 Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.16	
For Up To 1,000, Add	1.32	
For >1,000 To 2,000, Add	0.75	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000 To 50,000, Deduct	-0.67	
For >50,000 To 100,000, Deduct	-1.04	
For >100,000, Deduct	-1.50	
32 12 16 13-0017 SY 1-1/2" Thick Bituminous Hot Mix Surface Wearing Course 13.07 Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.24	
For Up To 700, Add	1.94	
For >700 To 1,400, Add	1.09	
For >7,000 To 14,000, Deduct	-0.55	
For >14,000 To 32,000, Deduct	-1.00	
For >32,000 To 64,000, Deduct	-1.55	
For >64,000, Deduct	-2.23	
32 12 16 13-0018 SY 2" Thick Bituminous Hot Mix Surface Wearing Course 16.80 Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.32	
For Up To 500, Add	2.41	
For >500 To 1,000, Add	1.35	
For >5,000 To 10,000, Deduct	-0.72	
For >10,000 To 24,000, Deduct	-1.31	
For >24,000 To 48,000, Deduct	-2.03	
For >48,000, Deduct	-2.92	
32 12 16 13-0019 SY 2-1/2" Thick Bituminous Hot Mix Surface Wearing Course 21.26 Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.40	
For Up To 400, Add	3.08	
For >400 To 800, Add	1.73	
For >4,000 To 8,000, Deduct	-0.90	
For >8,000 To 20,000, Deduct	-1.65	
For >20,000 To 40,000, Deduct	-2.55	
For >40,000, Deduct	-3.67	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0020	SY		3" Thick Bituminous Hot Mix Surface Wearing Course.....	25.51	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.48	
			For Up To 340, Add	3.70	
			For >340 To 680, Add	3.03	
			For >3,400 To 6,800, Deduct	-1.08	
			For >6,800 To 17,000, Deduct	-1.98	
			For >17,000 To 34,000, Deduct	-3.06	
			For >34,000, Deduct	-4.40	
32 12 16 13-0021	CSF		Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	94.90	
32 12 16 13-0022			Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0023	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY.....	390.93	
			Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 13-0024			AC Dikes (32 12 16 13)		
			See CSI section 32 11 23 16-0001 for base course.		
32 12 16 13-0025	LF		Type A, Asphalt Concrete Dike.....	13.86	5.41
			For Up To 100, Add	6.17	
			For >100 To 500, Add	1.77	
			For >1,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-1.77	
32 12 16 13-0026	LF		Type C, Asphalt Concrete Dike.....	11.67	5.41
			For Up To 100, Add	5.62	
			For >100 To 500, Add	1.66	
			For >1,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-1.66	
32 12 16 13-0027	LF		Type D, Asphalt Concrete Dike.....	17.45	5.41
			For Up To 100, Add	7.07	
			For >100 To 500, Add	1.95	
			For >1,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-1.95	
32 12 16 13-0028	LF		Type E, Asphalt Concrete Dike.....	13.78	5.41
			For Up To 100, Add	6.15	
			For >100 To 500, Add	1.77	
			For >1,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-1.77	
32 12 16 13-0029	LF		Type F, Asphalt Concrete Dike.....	12.31	5.41
			For Up To 100, Add	5.78	
			For >100 To 500, Add	1.70	
			For >1,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-1.70	
32 12 16 13-0030			Ditch Lining (32 12 16 13)		
32 12 16 13-0031	SY		4" Concrete Ditch Pavement.....	70.19	
32 12 16 13-0032	SY		4" Asphalt Ditch Pavement.....	53.83	
32 12 16 13-0033	SY		4" Soil-Cement Ditch Pavement.....	8.92	
32 12 16 13-0034	SY		4" Rip-Rap Ditch Pavement.....	11.29	
32 12 16 19			Cold-Mix Asphalt Paving (32 12 16)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			Cold Mix Asphalt (CMA) Pavement (32 12 16 19)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	14.27	
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	13.88	
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course.....	22.49	
32 12 16 39			Paving Fabrics (32 12 16)		
			See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001			Geotextile Paving Fabrics (32 12 16 39)		
32 12 16 39-0002	SY		3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	1.94	
			For Up To 50, Add	0.43	
			For >50 To 150, Add	0.32	
			For >150 To 250, Add	0.21	
			For >250 To 500, Add	0.10	
32 12 16 39-0003	SY		4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	2.09	
			For Up To 50, Add	0.46	
			For >50 To 150, Add	0.34	
			For >150 To 250, Add	0.22	
			For >250 To 500, Add	0.11	
32 12 16 43			Waterproofing Membranes (32 12 16)		
32 12 16 43-0001			Waterproofing Membranes (32 12 16 43)		
32 12 16 43-0002	SY		Up To 500 SY, Preformed Rubberized Asphalt Membrane.....	38.29	
32 12 16 43-0003	SY		>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	28.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 43-0004 SY >1,000 SY, Prefomed Rubberized Asphalt Membrane.....	17.81	
32 12 33 Flexible Paving Surface Treatments (32 12)		
32 12 33 00-0001 Bituminous Surface Treatment For Roadways (32 12 33)		
Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	3.42	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	6.16	
32 12 33 00-0004 Bituminous Surface Treatment For Trails (32 12 33)		
Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005 SY Bituminous Surface Treatment, For Trails	2.33	
32 12 36 Seal Coats (32 12)		
See CSI section 32 01 13 62-0000 for slurry seal.		
32 12 36 13 Asphaltic Seal and Fog Coats (32 12 36)		
32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13)		
Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)		
Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0003 SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.72	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0004 SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.23	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0005 SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.01	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0006 SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.77	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0007 SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.63	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0008 SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.52	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0009 SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.39	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0010 SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.32	
For Each Additional 0.5% Latex Additive, Add		
	0.54	
32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)		
Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0012 SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.68	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0013 SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.13	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0014 SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.86	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0015 SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.72	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0016 SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.39	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0017 SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.20	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0018 SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.04	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0019 SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.96	
For Each Additional 0.5% Latex Additive, Add		
	0.67	
32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)		
Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0021 SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.44	
For Each Additional 0.5% Latex Additive, Add		
	0.80	
32 12 36 13-0022 SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.82	
For Each Additional 0.5% Latex Additive, Add		
	0.80	
32 12 36 13-0023 SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.50	
For Each Additional 0.5% Latex Additive, Add		
	0.80	
32 12 36 13-0024 SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.14	
For Each Additional 0.5% Latex Additive, Add		
	0.80	
32 12 36 13-0025 SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.94	
For Each Additional 0.5% Latex Additive, Add		
	0.80	
32 12 36 13-0026 SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.66	
For Each Additional 0.5% Latex Additive, Add		
	0.80	
32 12 36 13-0027 SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.48	
For Each Additional 0.5% Latex Additive, Add		
	0.80	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0028	SY		>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.38 0.80	
32 12 36 13-0029			Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <small>(32 12 36 13-0001)</small> Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY		Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	7.53 0.92	
32 12 36 13-0031	SY		>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	6.91 0.92	
32 12 36 13-0032	SY		>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	6.59 0.92	
32 12 36 13-0033	SY		>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	6.23 0.92	
32 12 36 13-0034	SY		>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	6.03 0.92	
32 12 36 13-0035	SY		>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.85 0.92	
32 12 36 13-0036	SY		>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.58 0.92	
32 12 36 13-0037	SY		>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.49 0.92	
32 12 36 13-0038			Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <small>(32 12 36 13-0001)</small> Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY		Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	11.49 1.34	
32 12 36 13-0040	SY		>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	10.66 1.34	
32 12 36 13-0041	SY		>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	10.19 1.34	
32 12 36 13-0042	SY		>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	9.66 1.34	
32 12 36 13-0043	SY		>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	9.36 1.34	
32 12 36 13-0044	SY		>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	9.02 1.34	
32 12 36 13-0045	SY		>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	8.74 1.34	
32 12 36 13-0046	SY		>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	8.61 1.34	
32 12 36 13-0047			Asphalt Emulsion Seal Coat (Scrub Seal) <small>(32 12 36 13)</small> Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.		
32 12 36 13-0048			Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <small>(32 12 36 13-0047)</small> Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0049	SY		Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.28 0.54	
32 12 36 13-0050	SY		>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.99 0.54	
32 12 36 13-0051	SY		>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.79 0.54	
32 12 36 13-0052	SY		>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.56 0.54	
32 12 36 13-0053	SY		>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.45 0.54	
32 12 36 13-0054	SY		>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.35 0.54	
32 12 36 13-0055	SY		>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.24 0.54	
32 12 36 13-0056	SY		>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.19 0.54	
32 12 36 13-0057			Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <small>(32 12 36 13-0047)</small> Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058	SY		Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	6.27 0.67	
32 12 36 13-0059	SY		>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.92 0.67	
32 12 36 13-0060	SY		>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.69 0.67	
32 12 36 13-0061	SY		>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	5.55 0.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0062 SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.23	
For Each Additional 0.5% Latex Additive, Add	0.67	
32 12 36 13-0063 SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.03	
For Each Additional 0.5% Latex Additive, Add	0.67	
32 12 36 13-0064 SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.89	
For Each Additional 0.5% Latex Additive, Add	0.67	
32 12 36 13-0065 SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.84	
For Each Additional 0.5% Latex Additive, Add	0.67	
32 12 36 13-0066 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <small>(32 12 36 13-0047)</small>		
Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0067 SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	7.08	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0068 SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.64	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0069 SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.33	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0070 SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.97	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0071 SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.78	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0072 SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.51	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0073 SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.33	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0074 SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.26	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <small>(32 12 36 13-0047)</small>		
Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0076 SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	7.17	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0077 SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.74	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0078 SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.42	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0079 SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.05	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0080 SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.86	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0081 SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.69	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0082 SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.44	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0083 SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.37	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0084 Fog Seal, CQS-1h <small>(32 12 36 13)</small>		
Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0085 SY Up To 200 SY, CQS-1h, Fog Seal.....	1.90	
32 12 36 13-0086 SY >200 To 500 SY, CQS-1h, Fog Seal.....	1.37	
32 12 36 13-0087 SY >500 To 1,000 SY, CQS-1h, Fog Seal.....	1.16	
32 12 36 13-0088 SY >1,000 To 5,000 SY, CQS-1h, Fog Seal.....	1.00	
32 12 36 13-0089 SY >5,000 To 10,000 SY, CQS-1h, Fog Seal.....	0.91	
32 12 36 13-0090 SY >10,000 To 20,000 SY, CQS-1h, Fog Seal.....	0.84	
32 12 36 13-0091 SY >20,000 To 50,000 SY, CQS-1h, Fog Seal.....	0.78	
32 12 36 13-0092 SY >50,000 SY, CQS-1h, Fog Seal.....	0.75	
32 12 36 13-0093 Sand Sealer <small>(32 12 36 13)</small>		
Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0094 SY Up To 200 SY, Sand Seal.....	3.01	
32 12 36 13-0095 SY >200 To 500 SY, Sand Seal.....	2.02	
32 12 36 13-0096 SY >500 To 1,000 SY, Sand Seal.....	2.01	
32 12 36 13-0097 SY >1,000 To 5,000 SY, Sand Seal.....	1.78	
32 12 36 13-0098 SY >5,000 To 10,000 SY, Sand Seal.....	1.65	
32 12 36 13-0099 SY >10,000 To 20,000 SY, Sand Seal.....	1.55	
32 12 36 13-0100 SY >20,000 To 50,000 SY, Sand Seal.....	1.48	
32 12 36 13-0101 SY >50,000 SY, Sand Seal.....	1.45	
32 12 36 16 Coal Tar Seal Coats <small>(32 12 36)</small>		
32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal <small>(32 12 36 16)</small>		
Note: Includes sweeping and cleaning of area.		
32 12 36 16-0002 SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	15.38	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 16-0003 SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	14.46	
32 12 36 16-0004 SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	12.74	
32 12 36 16-0005 SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	11.44	
32 12 36 16-0006 SY >20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	9.73	
32 12 36 16-0007 SY >50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	8.01	
32 12 36 16-0008 SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	18.68	
32 12 36 16-0009 SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	17.65	
32 12 36 16-0010 SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	15.59	
32 12 36 16-0011 SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	14.06	
32 12 36 16-0012 SY >20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	12.01	
32 12 36 16-0013 SY >50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	9.95	
32 12 43 Porous Flexible Paving (32 12)		
32 12 43 00-0001 Flexible Recycled Plastic Porous Grid (32 12 43)		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill.....	40.77	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	13.54	
For >100 To 500, Add	3.38	
For >1,000 To 5,000, Deduct	-1.34	
For >5,000, Deduct	-2.83	
32 12 73 Asphalt Paving Joint Sealants (32 12)		
32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk.....	3.69	
32 13 Rigid Paving (32 10)		
32 13 13 Concrete Paving (32 13)		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
32 13 13 33 Plain Concrete Paving (32 13 13)		
32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)		
Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)		
32 13 13 33-0003 SY 4" 4,500 PSI Concrete Paving Assembly.....	71.66	
For 2,500 PSI Concrete, Deduct	-4.91	
For 3,000 PSI Concrete, Deduct	-3.20	
For 3,500 PSI Concrete, Deduct	-2.56	
For 4,000 PSI Concrete, Deduct	-1.11	
For 5,000 PSI Concrete, Add	0.68	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.55	
For <12' Wide Pass, Add	11.51	
For 24' Or Greater Wide Pass, Deduct	-14.33	
For Air Entrainment, Add	2.14	
For Slipforming, Deduct	-7.17	
For Up To 100, Add	25.90	
For >100 To 250, Add	15.09	
For >250 To 500, Add	7.54	
For >1,000 To 2,000, Deduct	-2.14	
For >2,000 To 5,000, Deduct	-3.93	
For >5,000 To 10,000, Deduct	-5.72	
For >10,000 To 20,000, Deduct	-7.51	
For >20,000, Deduct	-9.30	
32 13 13 33-0004 SY 5" 4,500 PSI Concrete Paving Assembly.....	85.77	
For 2,500 PSI Concrete, Deduct	-6.17	
For 3,000 PSI Concrete, Deduct	-4.02	
For 3,500 PSI Concrete, Deduct	-3.22	
For 4,000 PSI Concrete, Deduct	-1.39	
For 5,000 PSI Concrete, Add	0.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.97	
For <12' Wide Pass, Add	13.40	
For 24' Or Greater Wide Pass, Deduct	-17.15	
For Air Entrainment, Add	2.68	
For Slipforming, Deduct	-8.58	
For Up To 100, Add	30.01	
For >100 To 250, Add	17.69	
For >250 To 500, Add	8.84	
For >1,000 To 2,000, Deduct	-2.68	
For >2,000 To 5,000, Deduct	-4.83	
For >5,000 To 10,000, Deduct	-6.97	
For >10,000 To 20,000, Deduct	-9.11	
For >20,000, Deduct	-11.26	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Rigid Paving	32 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly.....	91.39	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.51	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.24	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.39	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.47	
			<i>For 5,000 PSI Concrete, Add</i>	0.91	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	7.35	
			<i>For <12' Wide Pass, Add</i>	14.36	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-18.28	
			<i>For Air Entrainment, Add</i>	2.83	
			<i>For Slipforming, Deduct</i>	-9.14	
			<i>For Up To 100, Add</i>	32.21	
			<i>For >100 To 250, Add</i>	18.93	
			<i>For >250 To 500, Add</i>	9.47	
			<i>For >1,000 To 2,000, Deduct</i>	-2.83	
			<i>For >2,000 To 5,000, Deduct</i>	-5.11	
			<i>For >5,000 To 10,000, Deduct</i>	-7.40	
			<i>For >10,000 To 20,000, Deduct</i>	-9.68	
			<i>For >20,000, Deduct</i>	-11.97	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly.....	109.91	
			<i>For 2,500 PSI Concrete, Deduct</i>	-8.20	
			<i>For 3,000 PSI Concrete, Deduct</i>	-5.35	
			<i>For 3,500 PSI Concrete, Deduct</i>	-4.28	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.85	
			<i>For 5,000 PSI Concrete, Add</i>	1.14	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	9.27	
			<i>For <12' Wide Pass, Add</i>	16.78	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-21.98	
			<i>For Air Entrainment, Add</i>	3.57	
			<i>For Slipforming, Deduct</i>	-10.99	
			<i>For Up To 100, Add</i>	37.41	
			<i>For >100 To 250, Add</i>	22.27	
			<i>For >250 To 500, Add</i>	11.14	
			<i>For >1,000 To 2,000, Deduct</i>	-3.57	
			<i>For >2,000 To 5,000, Deduct</i>	-6.31	
			<i>For >5,000 To 10,000, Deduct</i>	-9.06	
			<i>For >10,000 To 20,000, Deduct</i>	-11.81	
			<i>For >20,000, Deduct</i>	-14.56	
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly.....	124.58	
			<i>For 2,500 PSI Concrete, Deduct</i>	-9.00	
			<i>For 3,000 PSI Concrete, Deduct</i>	-5.87	
			<i>For 3,500 PSI Concrete, Deduct</i>	-4.70	
			<i>For 4,000 PSI Concrete, Deduct</i>	-2.04	
			<i>For 5,000 PSI Concrete, Add</i>	1.25	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	10.18	
			<i>For <12' Wide Pass, Add</i>	19.40	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-24.92	
			<i>For Air Entrainment, Add</i>	3.92	
			<i>For Slipforming, Deduct</i>	-12.46	
			<i>For Up To 100, Add</i>	43.43	
			<i>For >100 To 250, Add</i>	25.63	
			<i>For >250 To 500, Add</i>	12.81	
			<i>For >1,000 To 2,000, Deduct</i>	-3.92	
			<i>For >2,000 To 5,000, Deduct</i>	-7.03	
			<i>For >5,000 To 10,000, Deduct</i>	-10.14	
			<i>For >10,000 To 20,000, Deduct</i>	-13.26	
			<i>For >20,000, Deduct</i>	-16.37	
32 13 13 33-0008	SY		9" 4,500 PSI Concrete Paving Assembly.....	141.59	
			<i>For 2,500 PSI Concrete, Deduct</i>	-10.41	
			<i>For 3,000 PSI Concrete, Deduct</i>	-6.79	
			<i>For 3,500 PSI Concrete, Deduct</i>	-5.43	
			<i>For 4,000 PSI Concrete, Deduct</i>	-2.35	
			<i>For 5,000 PSI Concrete, Add</i>	1.45	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	11.76	
			<i>For <12' Wide Pass, Add</i>	21.83	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-28.32	
			<i>For Air Entrainment, Add</i>	4.52	
			<i>For Slipforming, Deduct</i>	-14.16	
			<i>For Up To 100, Add</i>	48.76	
			<i>For >100 To 250, Add</i>	28.91	
			<i>For >250 To 500, Add</i>	14.45	
			<i>For >1,000 To 2,000, Deduct</i>	-4.52	
			<i>For >2,000 To 5,000, Deduct</i>	-8.06	
			<i>For >5,000 To 10,000, Deduct</i>	-11.60	
			<i>For >10,000 To 20,000, Deduct</i>	-15.14	
			<i>For >20,000, Deduct</i>	-18.68	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009 SY 10" 4,500 PSI Concrete Paving Assembly	157.39	
For 2,500 PSI Concrete, Deduct	-11.45	
For 3,000 PSI Concrete, Deduct	-7.46	
For 3,500 PSI Concrete, Deduct	-5.97	
For 4,000 PSI Concrete, Deduct	-2.59	
For 5,000 PSI Concrete, Add	1.59	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.94	
For <12' Wide Pass, Add	24.42	
For 24' Or Greater Wide Pass, Deduct	-31.48	
For Air Entrainment, Add	4.98	
For Slipforming, Deduct	-15.74	
For Up To 100, Add	54.62	
For >100 To 250, Add	32.29	
For >250 To 500, Add	16.14	
For >1,000 To 2,000, Deduct	-4.98	
For >2,000 To 5,000, Deduct	-8.91	
For >5,000 To 10,000, Deduct	-12.85	
For >10,000 To 20,000, Deduct	-16.78	
For >20,000, Deduct	-20.72	
32 13 13 33-0010 SY 12" 4,500 PSI Concrete Paving Assembly	187.30	
For 2,500 PSI Concrete, Deduct	-13.55	
For 3,000 PSI Concrete, Deduct	-8.84	
For 3,500 PSI Concrete, Deduct	-7.07	
For 4,000 PSI Concrete, Deduct	-3.06	
For 5,000 PSI Concrete, Add	1.89	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.32	
For <12' Wide Pass, Add	29.15	
For 24' Or Greater Wide Pass, Deduct	-37.46	
For Air Entrainment, Add	5.89	
For Slipforming, Deduct	-18.73	
For Up To 100, Add	65.24	
For >100 To 250, Add	38.51	
For >250 To 500, Add	19.26	
For >1,000 To 2,000, Deduct	-5.89	
For >2,000 To 5,000, Deduct	-10.58	
For >5,000 To 10,000, Deduct	-15.26	
For >10,000 To 20,000, Deduct	-19.94	
For >20,000, Deduct	-24.62	
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly	236.88	
For 2,500 PSI Concrete, Deduct	-16.64	
For 3,000 PSI Concrete, Deduct	-10.85	
For 3,500 PSI Concrete, Deduct	-8.68	
For 4,000 PSI Concrete, Deduct	-3.76	
For 5,000 PSI Concrete, Add	2.32	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.81	
For <12' Wide Pass, Add	37.51	
For 24' Or Greater Wide Pass, Deduct	-47.38	
For Air Entrainment, Add	7.24	
For Slipforming, Deduct	-23.69	
For Up To 100, Add	84.24	
For >100 To 250, Add	49.35	
For >250 To 500, Add	24.68	
For >1,000 To 2,000, Deduct	-7.24	
For >2,000 To 5,000, Deduct	-13.16	
For >5,000 To 10,000, Deduct	-19.08	
For >10,000 To 20,000, Deduct	-25.00	
For >20,000, Deduct	-30.92	
32 13 16 Decorative Concrete Paving ^(32 13)		
32 13 16 13 Patterned Concrete Paving ^(32 13 16)		
32 13 16 13-0001 SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	5.05	
32 13 43 Pervious Concrete Paving ^(32 13)		
32 13 43 00-0001 Pervious Concrete Assemblies ^(32 13 43)		
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002 SF 6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	17.44	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.85	
For >30,000 To 100,000, Deduct	-3.36	
For >100,000, Deduct	-4.18	
32 13 43 00-0003 SF 9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	22.22	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-2.29	
For >30,000 To 100,000, Deduct	-4.08	
For >100,000, Deduct	-5.07	

32 13 73 Concrete Paving Joint Sealants ^(32 13)**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants ^(32 13 73)**



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Rigid Paving	32 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 13 73 13-0001	Concrete Pavement Joint And Crack Repair <small>(32 13 73 13)</small>		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	Silicone Concrete Pavement Joint And Crack Repair <small>(32 13 73 13-0001)</small>		
32 13 73 13-0003	CLF 1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	586.78 20.94 30.54 17.45	
32 13 73 13-0004	CLF 1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	663.71 31.41 45.81 26.18	
32 13 73 13-0005	CLF 1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	740.63 41.88 61.08 34.90	
32 13 73 13-0006	CLF 3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	762.45 47.12 68.71 39.26	
32 13 73 13-0007	CLF 3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	844.54 62.82 91.62 52.35	
32 13 73 13-0008	CLF 3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	926.63 78.53 114.52 65.44	
32 13 73 13-0009	CLF 3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,025.37 94.23 137.42 78.53	
32 13 73 13-0010	CLF 1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	948.44 83.76 122.15 69.80	
32 13 73 13-0011	CLF 1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,102.29 104.70 152.69 87.25	
32 13 73 13-0012	CLF 1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,222.85 125.64 183.23 104.70	
32 13 73 13-0013	CLF 1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,343.41 146.58 213.77 122.15	
32 13 73 13-0014	CLF 1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,447.31 167.52 244.31 139.60	
32 13 73 13-0015	CLF 3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,551.21 188.46 274.84 157.05	
32 13 73 13-0016	CLF 3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,889.90 261.76 381.73 218.13	
32 13 73 13-0017	CLF 1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	2,228.58 335.05 488.61 279.21	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001	Preformed Elastomeric Concrete Pavement Joint And Crack Repair <small>(32 13 73 16)</small>		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Preformed Elastomeric	13.73	

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement <small>(32 13 73 19)</small>		
	Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.60	2.48
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.12	2.53
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.72	2.58
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.73	2.63
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	16.09	2.69
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	19.62	2.74

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 13 73 19-0008 LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	25.65	2.80
--	-------	------

32 14 Unit Paving (32 10)**32 14 09 Paver Restraints** (32 14)**32 14 09 00-0001 Paver Restraints** (32 14 09)

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002 LF Up To 2" Height, Vinyl Paver Restraint	4.98	1.07
For >1,000 To 2,000, Deduct	-0.72	
For >2,000 To 4,000, Deduct	-1.05	
For >4,000, Deduct	-1.34	
32 14 09 00-0003 LF Up To 2" Height, Galvanized Steel Paver Restraint	5.42	1.07
For >500 To 1,000, Deduct	-0.19	
For >1,000 To 2,000, Deduct	-0.37	
For >2,000, Deduct	-0.56	
32 14 09 00-0004 LF Up To 1" Height, Aluminum Paver Restraint	5.20	1.07
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 1,500, Deduct	-0.88	
32 14 09 00-0005 LF >1" To 2" Height, Aluminum Paver Restraint	6.18	1.07
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-0.67	
For >1,000 To 1,500, Deduct	-1.12	
32 14 09 00-0006 LF >2" To 3" Height, Aluminum Paver Restraint	8.06	1.07
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-0.95	
For >1,000 To 1,500, Deduct	-1.59	
32 14 09 00-0007 LF >3" To 4" Height, Aluminum Paver Restraint	9.50	1.07
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 1,500, Deduct	-1.95	

32 14 11 Bedding for Unit Paving (32 14)**32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk** (32 14 11)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 14 11 00-0002 SF 1" To 2" Sand Bedding, Screeded	1.09	
For Up To 100, Add	0.49	
For >100 To 500, Add	0.14	
For >1,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.13	
32 14 11 00-0003 SF 1" To 2" Stone Dust Bedding, Screeded	1.29	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.15	
For >1,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.14	
32 14 11 00-0004 SF 3" Stone Dust Bedding, Screeded	1.66	
For Up To 100, Add	0.67	
For >100 To 500, Add	0.18	
For >1,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.17	
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded	2.11	
For Up To 100, Add	0.84	
For >100 To 500, Add	0.23	
For >1,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.21	
32 14 11 00-0006 SF 1" Mortar Bedding	3.68	
For Up To 100, Add	1.62	
For >100 To 500, Add	0.46	
For >1,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.44	
32 14 11 00-0007 SF 2" Mortar Bedding	5.51	
For Up To 100, Add	2.31	
For >100 To 500, Add	0.65	
For >1,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.61	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar	1.72	
For Up To 100, Add	0.80	
For >100 To 500, Add	0.24	
For >1,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.23	

32 14 13 Precast Concrete Unit Paving (32 14)**32 14 13 16 Precast Concrete Unit Paving Slabs** (32 14 13)



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Unit Paving	32 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 14 13 16-0001	Precast Concrete Paver Sidewalk <small>(32 14 13 16)</small> Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 13 16-0002	SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver..... Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	14.22 1.44 2.34 1.06 5.30 1.41 -0.70 -1.26	3.47
32 14 13 16-0003	SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	13.59 1.40 2.29 1.00 4.98 1.31 -0.63 -1.17	3.17
32 14 13 16-0004	SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver Note: Includes 6" x 12", 12" x 12" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	13.00 1.38 2.24 0.94 4.69 1.23 -0.58 -1.08	2.52
32 14 13 16-0005	SF 2-3/8" Thick, >144 SI Precast Concrete Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.48 1.35 2.20 0.89 4.43 1.15 -0.52 -1.00	2.61
32 14 13 16-0006	SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	13.29 1.39 2.27 0.97 4.83 1.27 -0.60 -1.12	3.01

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001	Turf Block <small>(32 14 13 19)</small> Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF 3-1/8" Thick, Precast Concrete Turf Block..... For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.66 4.68 1.24 -0.60 -1.10	3.01

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001	Brick Paver Sidewalk <small>(32 14 16)</small> Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	15.68 -3.40 7.78 1.13 5.66 1.48 -0.70 -1.31	3.47
32 14 16 00-0003	SF 4" x 8" x 2-1/4" Brick, Laid On Edge For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	23.40 -5.81 13.61 1.57 7.83 1.96 -0.79 -1.65	3.97

32 14 33 Plastic Paving (32 14)

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 33 13		Permeable Plastic Paving <small>(32 14 33)</small>		
32 14 33 13-0001		Turf Block Plastic Paving <small>(32 14 33 13)</small>		
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	19.18	3.01
		<i>For Up To 100, Add</i>	6.31	
		<i>For >100 To 500, Add</i>	1.56	
		<i>For >1,000 To 5,000, Deduct</i>	-0.60	
		<i>For >5,000, Deduct</i>	-1.30	
32 14 40		Stone Paving <small>(32 14)</small>		
32 14 40 00-0001		Slate Paver Sidewalk <small>(32 14 40)</small>		
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver.....	16.21	2.88
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.10	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.13	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.67	
		<i>For Up To 100, Add</i>	5.49	
		<i>For >100 To 500, Add</i>	1.39	
		<i>For >1,000 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-1.18	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver.....	15.69	2.61
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.05	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.00	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.60	
		<i>For Up To 100, Add</i>	5.23	
		<i>For >100 To 500, Add</i>	1.31	
		<i>For >1,000 To 5,000, Deduct</i>	-0.52	
		<i>For >5,000, Deduct</i>	-1.10	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver.....	14.79	2.16
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.96	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.78	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.46	
		<i>For Up To 100, Add</i>	4.78	
		<i>For >100 To 500, Add</i>	1.17	
		<i>For >1,000 To 5,000, Deduct</i>	-0.43	
		<i>For >5,000, Deduct</i>	-0.96	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver.....	14.39	1.96
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.92	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.68	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.40	
		<i>For Up To 100, Add</i>	4.58	
		<i>For >100 To 500, Add</i>	1.11	
		<i>For >1,000 To 5,000, Deduct</i>	-0.39	
		<i>For >5,000, Deduct</i>	-0.90	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns.....	15.20	2.37
		Note: Patterns made by combining pavers from two or more size groups.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.00	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.88	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.52	
		<i>For Up To 100, Add</i>	4.99	
		<i>For >100 To 500, Add</i>	1.23	
		<i>For >1,000 To 5,000, Deduct</i>	-0.47	
		<i>For >5,000, Deduct</i>	-1.02	
32 14 40 00-0007		Granite Paver Sidewalk <small>(32 14 40)</small>		
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver.....	22.99	2.88
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.44	
		<i>For 2" Granite Paver, Add</i>	1.15	
		<i>For 3" Granite Paver, Add</i>	2.30	
		<i>For 4" Granite Paver, Add</i>	2.59	
		<i>For Up To 100, Add</i>	7.19	
		<i>For >100 To 500, Add</i>	1.72	
		<i>For >1,000 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-1.38	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver.....	22.47	2.61
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.39	
		<i>For 2" Granite Paver, Add</i>	1.12	
		<i>For 3" Granite Paver, Add</i>	2.25	
		<i>For 4" Granite Paver, Add</i>	2.51	
		<i>For Up To 100, Add</i>	6.93	
		<i>For >100 To 500, Add</i>	1.65	
		<i>For >1,000 To 5,000, Deduct</i>	-0.52	
		<i>For >5,000, Deduct</i>	-1.30	



			Exterior Improvements	32
			Bases, Ballasts, and Paving	32 10
			Unit Paving	32 14

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	21.57 1.30 1.08 2.16 2.37 6.48 1.51 -0.43 -1.17		2.16
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	21.17 1.26 1.06 2.12 2.31 6.28 1.45 -0.39 -1.11		1.96
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For 2" Granite Paver, Add</i> <i>For 3" Granite Paver, Add</i> <i>For 4" Granite Paver, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	21.98 1.34 1.10 2.20 2.44 6.68 1.57 -0.47 -1.23		2.37

32 15 Aggregate Surfacing (32 10)

32 15 40 Crushed Stone Surfacing (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001		Gravel Surfacing And Spreading <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.			
32 15 40 00-0002	CY	Gravel Surfacing And Spreading	104.73		
32 15 40 00-0003		Limestone Screenings <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.			
32 15 40 00-0004	CY	Limestone Screenings For Trail	116.67		
32 15 40 00-0005		Decomposed Granite <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.			
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts. <i>For Additional 2" Lift</i> <i>For >45 To 180, Deduct</i> <i>For >180 To 450, Deduct</i> <i>For >450, Deduct</i>	19.39 9.70 -1.29 -1.62 -1.94		

32 16 Curbs, Gutters, Sidewalks, and Driveways (32 10)

32 16 13 Curbs and Gutters (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001		Cast In Place Concrete Curb And Gutter Assemblies <small>(32 16 13 13)</small> Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.			
32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	30.98		13.36
		<i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Mountable Or Rolled Curb And Gutter, Add</i>	20.93 11.63 4.65 -3.89 -6.61 1.92		
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	33.77		17.83
		<i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Mountable Or Rolled Curb And Gutter, Add</i>	22.83 12.69 5.07 -4.25 -7.22 2.12		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0004 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	39.46	14.82
For Up To 20, Add	26.63	
For >20 To 50, Add	14.79	
For >50 To 100, Add	5.92	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-8.37	
For Mountable Or Rolled Curb And Gutter, Add	2.41	
32 16 13 13-0005 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	43.56	16.49
For Up To 20, Add	29.42	
For >20 To 50, Add	16.35	
For >50 To 100, Add	6.53	
For >500 To 1,000, Deduct	-5.46	
For >1,000, Deduct	-9.29	
For Mountable Or Rolled Curb And Gutter, Add	2.70	
32 16 13 13-0006 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6).....	47.94	17.83
For Up To 20, Add	32.33	
For >20 To 50, Add	17.95	
For >50 To 100, Add	7.19	
For >500 To 1,000, Deduct	-5.96	
For >1,000, Deduct	-10.14	
For Mountable Or Rolled Curb And Gutter, Add	2.89	
32 16 13 13-0007 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6).....	53.34	20.06
For Up To 20, Add	36.01	
For >20 To 50, Add	20.01	
For >50 To 100, Add	8.00	
For >500 To 1,000, Deduct	-6.68	
For >1,000, Deduct	-11.35	
For Mountable Or Rolled Curb And Gutter, Add	3.28	
32 16 13 13-0008 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	57.00	21.17
For Up To 20, Add	38.43	
For >20 To 50, Add	21.33	
For >50 To 100, Add	8.55	
For >500 To 1,000, Deduct	-7.08	
For >1,000, Deduct	-12.05	
For Mountable Or Rolled Curb And Gutter, Add	3.43	
32 16 13 13-0009 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	62.59	23.40
For Up To 20, Add	42.23	
For >20 To 50, Add	23.46	
For >50 To 100, Add	9.39	
For >500 To 1,000, Deduct	-7.81	
For >1,000, Deduct	-13.28	
For Mountable Or Rolled Curb And Gutter, Add	3.81	
32 16 13 13-0010 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	66.04	24.51
For Up To 20, Add	44.53	
For >20 To 50, Add	24.71	
For >50 To 100, Add	9.91	
For >500 To 1,000, Deduct	-8.20	
For >1,000, Deduct	-13.96	
For Mountable Or Rolled Curb And Gutter, Add	3.96	
32 16 13 13-0011 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	71.83	26.74
For Up To 20, Add	48.45	
For >20 To 50, Add	26.90	
For >50 To 100, Add	10.77	
For >500 To 1,000, Deduct	-8.94	
For >1,000, Deduct	-15.21	
For Mountable Or Rolled Curb And Gutter, Add	4.34	
32 16 13 13-0012 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	75.10	27.85
For Up To 20, Add	50.63	
For >20 To 50, Add	28.10	
For >50 To 100, Add	11.27	
For >500 To 1,000, Deduct	-9.33	
For >1,000, Deduct	-15.87	
For Mountable Or Rolled Curb And Gutter, Add	4.50	
32 16 13 13-0013 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	83.29	31.19
For Up To 20, Add	56.21	
For >20 To 50, Add	31.23	
For >50 To 100, Add	12.49	
For >500 To 1,000, Deduct	-10.40	
For >1,000, Deduct	-17.69	
For Mountable Or Rolled Curb And Gutter, Add	5.09	
32 16 13 13-0014 Cast In Place Concrete Curbs Assemblies <small>(32 16 13 13)</small>		
Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0015 LF 6" x 12" Cast In Place Concrete Curb (Type A1-6).....	22.83	11.32
For Mountable Curb, Add	1.55	
For Up To 20, Add	13.62	
For >20 To 50, Add	7.72	
For >50 To 100, Add	2.95	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-5.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0016 LF 6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6).....	26.13	13.02
For Mountable Curb, Add	1.81	
For Up To 20, Add	15.70	
For >20 To 50, Add	8.90	
For >50 To 100, Add	3.40	
For >500 To 1,000, Deduct	-3.40	
For >1,000, Deduct	-5.75	
32 16 13 13-0017 LF 6" x 14" Cast In Place Concrete Curb (Type A1-8).....	25.13	11.32
For Mountable Curb, Add	1.69	
For Up To 20, Add	14.93	
For >20 To 50, Add	8.45	
For >50 To 100, Add	3.24	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-5.48	
32 16 13 13-0018 LF 6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8).....	28.79	13.02
For Mountable Curb, Add	1.97	
For Up To 20, Add	17.22	
For >20 To 50, Add	9.76	
For >50 To 100, Add	3.73	
For >500 To 1,000, Deduct	-3.73	
For >1,000, Deduct	-6.32	
32 16 13 13-0019 LF 6" x 16" Cast In Place Concrete Curb.....	27.74	11.32
For Mountable Curb, Add	1.81	
For Up To 20, Add	16.30	
For >20 To 50, Add	9.22	
For >50 To 100, Add	3.54	
For >500 To 1,000, Deduct	-3.54	
For >1,000, Deduct	-6.00	
32 16 13 13-0020 LF 6" x 16" Cast In Place Concrete Curb - Radius.....	31.67	16.98
For Mountable Curb, Add	2.12	
For Up To 20, Add	18.78	
For >20 To 50, Add	10.64	
For >50 To 100, Add	4.07	
For >500 To 1,000, Deduct	-4.07	
For >1,000, Deduct	-6.90	
32 16 13 13-0021 LF 6" x 18" Cast In Place Concrete Curb.....	29.83	11.32
For Mountable Curb, Add	1.91	
For Up To 20, Add	17.41	
For >20 To 50, Add	9.85	
For >50 To 100, Add	3.78	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-6.42	
32 16 13 13-0022 LF 6" x 18" Cast In Place Concrete Curb - Radius.....	33.69	13.02
For Mountable Curb, Add	2.18	
For Up To 20, Add	19.76	
For >20 To 50, Add	11.18	
For >50 To 100, Add	4.29	
For >500 To 1,000, Deduct	-4.29	
For >1,000, Deduct	-7.28	
32 16 13 13-0023 LF 6" x 24" Cast In Place Concrete Curb.....	34.52	12.46
For Mountable Curb, Add	2.00	
For Up To 20, Add	19.48	
For >20 To 50, Add	11.00	
For >50 To 100, Add	4.24	
For >500 To 1,000, Deduct	-4.24	
For >1,000, Deduct	-7.23	
32 16 13 13-0024 LF 6" x 24" Cast In Place Concrete Curb - Radius.....	38.59	14.14
For Mountable Curb, Add	2.26	
For Up To 20, Add	21.87	
For >20 To 50, Add	12.35	
For >50 To 100, Add	4.76	
For >500 To 1,000, Deduct	-4.76	
For >1,000, Deduct	-8.10	
32 16 13 13-0025 LF 12" x 24" Cast In Place Concrete Curb.....	46.25	14.14
For Mountable Curb, Add	1.84	
For Up To 20, Add	23.40	
For >20 To 50, Add	13.12	
For >50 To 100, Add	5.14	
For >500 To 1,000, Deduct	-5.14	
For >1,000, Deduct	-8.87	
32 16 13 13-0026 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	51.44	15.84
For Mountable Curb, Add	2.08	
For Up To 20, Add	26.14	
For >20 To 50, Add	14.65	
For >50 To 100, Add	5.74	
For >500 To 1,000, Deduct	-5.74	
For >1,000, Deduct	-9.90	
32 16 13 13-0027 EA Additional Finish For Handicap Drop Section In Curb.....	84.89	

32 16 13 13-0028 Concrete Band, Cast In Place (32 16 13 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0029 LF 6" x 6" Concrete Band.....	20.68	11.32
Note: Excludes base course.		
For Up To 20, Add	13.19	
For >20 To 50, Add	7.50	
For >50 To 100, Add	2.85	
For >500 To 1,000, Deduct	-2.85	
For >1,000, Deduct	-4.78	
32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0001 LF 6" x 12" Straight Concrete Curb, Machine Formed.....	16.84	
32 16 13 14-0002 LF 6" x 12" Curved Concrete Curb, Machine Formed.....	21.92	
32 16 13 14-0003 LF 6" x 18" Straight Concrete Curb, Machine Formed.....	22.42	
32 16 13 14-0004 LF 6" x 18" Curved Concrete Curb, Machine Formed.....	28.02	
32 16 13 16 Steel Faced Curbs (32 16 13)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002 LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	16.66	5.29
For Curved Section, Add	3.64	
32 16 13 16-0003 LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	18.33	6.01
For Curved Section, Add	4.09	
32 16 13 16-0004 LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	24.72	6.73
For Curved Section, Add	5.01	
32 16 13 16-0005 LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	30.33	7.57
For Curved Section, Add	5.85	
32 16 13 16-0006 LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	37.11	8.30
For Curved Section, Add	6.81	
32 16 13 16-0007 LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	48.53	10.57
For Curved Section, Add	8.80	
32 16 13 16-0008 LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	55.95	13.70
For Curved Section, Add	10.71	
32 16 13 16-0009 EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	174.99	
32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)		
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)		
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002 LF 2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	26.54	
For Up To 20, Add	11.10	
For >20 To 50, Add	6.13	
For >50 To 100, Add	2.49	
For >500 To 1,000, Deduct	-2.49	
For >1,000, Deduct	-4.39	
32 16 13 19-0003 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	32.63	
For Up To 20, Add	13.50	
For >20 To 50, Add	7.45	
For >50 To 100, Add	3.03	
For >500 To 1,000, Deduct	-3.03	
For >1,000, Deduct	-5.35	
32 16 13 19-0004 LF 3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	38.69	
For Up To 20, Add	15.87	
For >20 To 50, Add	8.75	
For >50 To 100, Add	3.56	
For >500 To 1,000, Deduct	-3.56	
For >1,000, Deduct	-6.31	
32 16 13 19-0005 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	44.70	
For Up To 20, Add	18.21	
For >20 To 50, Add	10.03	
For >50 To 100, Add	4.09	
For >500 To 1,000, Deduct	-4.09	
For >1,000, Deduct	-7.25	
32 16 13 19-0006 LF 4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	50.75	
For Up To 20, Add	20.57	
For >20 To 50, Add	11.33	
For >50 To 100, Add	4.62	
For >500 To 1,000, Deduct	-4.62	
For >1,000, Deduct	-8.20	
32 16 13 19-0007 LF 5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	60.81	
For Up To 20, Add	23.88	
For >20 To 50, Add	13.11	
For >50 To 100, Add	5.38	
For >500 To 1,000, Deduct	-5.38	
For >1,000, Deduct	-9.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0008 LF 6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	70.60	
For Up To 20, Add	26.99	
For >20 To 50, Add	14.78	
For >50 To 100, Add	6.10	
For >500 To 1,000, Deduct	-6.10	
For >1,000, Deduct	-10.92	
32 16 13 19-0009 SF >6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	11.76	
For Up To 100, Add	4.49	
For >100 To 250, Add	2.46	
For >250 To 500, Add	1.02	
For >2,500 To 5,000, Deduct	-1.02	
For >5,000, Deduct	-1.82	
32 16 13 19-0010 LF 2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	29.41	
For Up To 20, Add	11.98	
For >20 To 50, Add	6.60	
For >50 To 100, Add	2.69	
For >500 To 1,000, Deduct	-2.69	
For >1,000, Deduct	-4.77	
32 16 13 19-0011 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	36.40	
For Up To 20, Add	14.73	
For >20 To 50, Add	8.11	
For >50 To 100, Add	3.31	
For >500 To 1,000, Deduct	-3.31	
For >1,000, Deduct	-5.87	
32 16 13 19-0012 LF 3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	42.95	
For Up To 20, Add	17.16	
For >20 To 50, Add	9.44	
For >50 To 100, Add	3.86	
For >500 To 1,000, Deduct	-3.86	
For >1,000, Deduct	-6.87	
32 16 13 19-0013 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	49.68	
For Up To 20, Add	19.72	
For >20 To 50, Add	10.84	
For >50 To 100, Add	4.44	
For >500 To 1,000, Deduct	-4.44	
For >1,000, Deduct	-7.90	
32 16 13 19-0014 LF 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	56.40	
For Up To 20, Add	22.28	
For >20 To 50, Add	12.24	
For >50 To 100, Add	5.02	
For >500 To 1,000, Deduct	-5.02	
For >1,000, Deduct	-8.94	
32 16 13 19-0015 LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	67.74	
For Up To 20, Add	25.91	
For >20 To 50, Add	14.19	
For >50 To 100, Add	5.86	
For >500 To 1,000, Deduct	-5.86	
For >1,000, Deduct	-10.48	
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	78.78	
For Up To 20, Add	29.34	
For >20 To 50, Add	16.03	
For >50 To 100, Add	6.66	
For >500 To 1,000, Deduct	-6.66	
For >1,000, Deduct	-11.95	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	13.13	
For Up To 100, Add	4.89	
For >100 To 250, Add	2.67	
For >250 To 500, Add	1.11	
For >2,500 To 5,000, Deduct	-1.11	
For >5,000, Deduct	-1.99	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	29.36	
For Up To 20, Add	12.29	
For >20 To 50, Add	6.79	
For >50 To 100, Add	2.75	
For >500 To 1,000, Deduct	-2.75	
For >1,000, Deduct	-4.86	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	36.13	
For Up To 20, Add	14.97	
For >20 To 50, Add	8.26	
For >50 To 100, Add	3.35	
For >500 To 1,000, Deduct	-3.35	
For >1,000, Deduct	-5.94	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	42.81	
For Up To 20, Add	17.58	
For >20 To 50, Add	9.69	
For >50 To 100, Add	3.94	
For >500 To 1,000, Deduct	-3.94	
For >1,000, Deduct	-6.99	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	49.50	
For Up To 20, Add	20.20	
For >20 To 50, Add	11.13	
For >50 To 100, Add	4.53	
For >500 To 1,000, Deduct	-4.53	
For >1,000, Deduct	-8.04	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	56.20	
For Up To 20, Add	22.82	
For >20 To 50, Add	12.57	
For >50 To 100, Add	5.13	
For >500 To 1,000, Deduct	-5.13	
For >1,000, Deduct	-9.09	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	67.35	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	78.16	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	13.03	
For Up To 100, Add	4.99	
For >100 To 250, Add	2.73	
For >250 To 500, Add	1.13	
For >2,500 To 5,000, Deduct	-1.13	
For >5,000, Deduct	-2.02	
32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)		
32 16 13 23-0001 LF 6" x 18" Precast Concrete Curb.....	51.63	9.91
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb, Radius.....	62.32	11.40
32 16 13 23-0003 LF 6" x 20" Precast Concrete Curb.....	55.26	9.91
32 16 13 23-0004 LF 6" x 20" Precast Concrete Curb, Radius.....	67.13	11.40
32 16 13 23-0005 LF 7" x 18" Precast Concrete Curb.....	56.92	9.91
32 16 13 23-0006 LF 7" x 18" Precast Concrete Curb, Radius.....	69.05	11.40
32 16 13 23-0007 LF 7" x 20" Precast Concrete Curb.....	61.05	9.91
32 16 13 23-0008 LF 7" x 20" Precast Concrete Curb, Radius.....	74.27	11.40
32 16 13 33 Asphalt Curbs (32 16 13)		
32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	13.37	5.41
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	15.05	6.01
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	16.61	6.61
32 16 13 43 Stone Curbs (32 16 13)		
32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Removal And Resetting Of Stone Or Precast Curbing.....	38.23	
Note: Includes storage and cleaning.		
32 16 23 Sidewalks (32 16)		
32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies (32 16 23)		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk.....	9.88	
For Up To 100, Add	4.07	
For >100 To 500, Add	1.13	
For >1,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-1.45	
For Welded Wire Reinforcement, Add	0.98	
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk.....	10.91	
For Up To 100, Add	4.38	
For >100 To 500, Add	1.21	
For >1,000 To 5,000, Deduct	-0.66	
For >5,000, Deduct	-1.54	
For Welded Wire Reinforcement, Add	0.98	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk.....	11.95	
For Up To 100, Add	4.70	
For >100 To 500, Add	1.28	
For >1,000 To 5,000, Deduct	-0.69	
For >5,000, Deduct	-1.63	
For Welded Wire Reinforcement, Add	0.98	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk.....	13.91	
For Up To 100, Add	5.42	
For >100 To 500, Add	1.47	
For >1,000 To 5,000, Deduct	-0.78	
For >5,000, Deduct	-1.86	
For Welded Wire Reinforcement, Add	0.98	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk.....	14.85	
For Up To 100, Add	5.69	
For >100 To 500, Add	1.53	
For >1,000 To 5,000, Deduct	-0.79	
For >5,000, Deduct	-1.93	
For Welded Wire Reinforcement, Add	0.98	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk.....	2.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0008	EA		Finish Concrete Handicap Drop Section In Sidewalk..... Note: Excludes patterned (tactile) finish.	151.59	
32 16 23 00-0009	LF		For Hand Trowel Finish At Sidewalk Edges (Picture Frame).....	2.53	
32 16 23 00-0010			Bituminous Sidewalk Assemblies (32 16 23) Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0011	SY		1" Bituminous Sidewalk .....9.79 For Up To 100, Add 3.60 For >100 To 500, Add 0.95 For >1,000 To 5,000, Deduct -0.46 For >5,000, Deduct -0.95		
32 16 23 00-0012	SY		1-1/2" Bituminous Sidewalk .....12.33 For Up To 100, Add 4.47 For >100 To 500, Add 1.17 For >1,000 To 5,000, Deduct -0.55 For >5,000, Deduct -1.17		
32 16 23 00-0013	SY		2" Bituminous Sidewalk .....17.21 For Up To 100, Add 6.02 For >100 To 500, Add 1.55 For >1,000 To 5,000, Deduct -0.69 For >5,000, Deduct -1.55		
32 16 23 00-0014	SY		2-1/2" Bituminous Sidewalk .....21.52 For Up To 100, Add 7.51 For >100 To 500, Add 1.93 For >1,000 To 5,000, Deduct -0.85 For >5,000, Deduct -1.93		
32 16 23 00-0015	SY		3" Bituminous Sidewalk .....24.85 For Up To 100, Add 8.52 For >100 To 500, Add 2.16 For >1,000 To 5,000, Deduct -0.92 For >5,000, Deduct -2.16		
32 16 23 00-0016	SY		3-1/2" Bituminous Sidewalk .....28.76 For Up To 100, Add 9.72 For >100 To 500, Add 2.45 For >1,000 To 5,000, Deduct -1.01 For >5,000, Deduct -2.45		
32 16 43			Asphalt Dike (32 16 43)		
32 16 43 00-0001			Asphalt Dike (32 16 43)		
32 16 43 00-0002	LF		Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	7.24	
32 16 43 00-0003	LF		Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	9.97	
32 16 43 00-0004	LF		Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	9.97	
32 16 43 00-0005	LF		Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	14.30	
32 16 43 00-0006	LF		Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	16.95	
32 16 43 00-0007	LF		Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.75	
32 16 43 00-0008	LF		Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	10.36	
32 16 43 00-0009	LF		Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	15.99	
32 16 43 00-0010	LF		CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	7.24	
32 16 43 00-0011	LF		CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.75	
32 16 43 00-0012	LF		CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	15.99	
32 16 43 00-0013	LF		CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	10.36	
32 16 43 00-0014	LF		CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	5.51	
32 17			Paving Specialties (32 10)		
32 17 13			Parking Bumpers (32 17) Note: Includes dowels set.		
32 17 13 16			Plastic Parking Bumpers (32 17 13)		
32 17 13 16-0001	EA		4" x 6" x 4' Recycled Plastic Wheel Stop.....	182.36	7.02
32 17 13 16-0002	EA		4" x 6" x 6' Recycled Plastic Wheel Stop.....	206.69	7.02
32 17 13 19			Precast Concrete Parking Bumpers (32 17 13)		
32 17 13 19-0001	EA		6" x 8" x 4' Precast Concrete Wheel Stop With Dowels.....	68.13	21.12
32 17 13 19-0002	EA		6" x 6" x 6' Precast Concrete Wheel Stop With Dowels.....	78.08	21.12
32 17 13 19-0003	EA		6" x 8" x 6' Precast Concrete Wheel Stop With Dowels.....	81.08	21.12
32 17 13 19-0004	EA		6" x 10" x 6' Precast Concrete Wheel Stop With Dowels.....	84.95	21.12
32 17 13 19-0005	EA		4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels.....	79.20	21.12
32 17 13 19-0006	EA		8" x 13" x 6' Precast Concrete Wheel Stop With Dowels.....	100.53	21.12
32 17 13 19-0007	EA		Removal And Relocation Of Precast Concrete Wheel Stop.....	33.80	
32 17 13 19-0008	EA		Removal And Relocation Of Plastic Or Wood Wheel Stop.....	21.98	
32 17 13 23			Rubber Parking Bumpers (32 17 13)		
32 17 13 23-0001	EA		3' Recycled Rubber Wheel Stop.....	30.63	7.02
32 17 13 23-0002	EA		4' Recycled Rubber Wheel Stop.....	35.78	7.02

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop	37.84	7.02
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop	40.93	7.02
32 17 13 26 Wood Parking Bumpers (32 17 13)		
32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.35	1.69
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	13.85	1.69
32 17 16 Manufactured Traffic-Calming Devices (32 17)		
32 17 16 00-0001 Speed Bumps (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0002 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	39.21	1.91
32 17 16 00-0003 LF 3-1/2" High x 12" Wide, Asphalt Speed Bump	61.89	
Note: Excludes striping.		
32 17 16 00-0004 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	30.66	1.27
32 17 16 00-0005 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	185.79	1.27
32 17 16 00-0006 Modular Rubber Speed Tables (32 17 16)		
Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0007 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table	67.61	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table	59.06	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table	55.44	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table	64.69	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0011 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table	56.91	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0012 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table	53.70	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0013 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table	61.79	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0014 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table	55.20	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0015 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table	52.26	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0016 Asphalt Speed Table (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0017 LF Up To 36" Run, Asphalt Speed Table With 3" Center Crown	36.36	
Note: Tapered on edges to roadway.		
32 17 16 00-0018 LF >36" To 48" Run, Asphalt Speed Table With 3" Center Crown	42.94	
Note: Tapered on edges to roadway.		
32 17 16 00-0019 LF Up To 36" Run, Asphalt Speed Table With 4" Center Crown	45.70	
Note: Tapered on edges to roadway.		
32 17 16 00-0020 LF >36" To 48" Run, Asphalt Speed Table With 4" Center Crown	54.03	
Note: Tapered on edges to roadway.		
32 17 16 00-0021 LF Up To 36" Run, Asphalt Speed Table With 6" Center Crown	55.70	
Note: Tapered on edges to roadway.		
32 17 16 00-0022 LF >36" To 48" Run, Asphalt Speed Table With 6" Center Crown	62.29	
Note: Tapered on edges to roadway.		
32 17 16 00-0023 Concrete Speed Table (32 17 16)		
32 17 16 00-0024 SF Concrete Speed Table	15.89	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 23 Pavement Markings (32 17)		
See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13 Painted Pavement Markings (32 17 23)		
32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23)		
Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0003 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.34	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.05	
<i>For Broken Line, Deduct</i>	-0.07	
32 17 23 13-0004 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.43	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For >25,000 LF, Deduct</i>	-0.06	
<i>For Broken Line, Deduct</i>	-0.10	
32 17 23 13-0005 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.55	
<i>For Up To 5,000 LF, Add</i>	0.11	
<i>For >25,000 LF, Deduct</i>	-0.08	
<i>For Broken Line, Deduct</i>	-0.12	
32 17 23 13-0006 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.73	
<i>For Up To 5,000 LF, Add</i>	0.15	
<i>For >25,000 LF, Deduct</i>	-0.11	
<i>For Broken Line, Deduct</i>	-0.18	
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.49	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For >25,000 LF, Deduct</i>	-0.07	
<i>For Broken Line On One Side, Deduct</i>	-0.06	
<i>For Double Broken Line, Deduct</i>	-0.12	
32 17 23 13-0008 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.73	
<i>For Up To 5,000 LF, Add</i>	0.15	
<i>For >25,000 LF, Deduct</i>	-0.11	
<i>For Broken Line On One Side, Deduct</i>	-0.09	
<i>For Double Broken Line, Deduct</i>	-0.18	
32 17 23 13-0009 SF Solid Area, Painted Reflective Pavement Striping	6.19	
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0010 EA 6" High, Letter/Number, Painted Reflective Pavement Striping	4.48	
<i>For <10, Add</i>	0.61	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 200, Deduct</i>	-0.41	
<i>For >200, Deduct</i>	-0.81	
32 17 23 13-0011 EA 12" High, Letter/Number, Painted Reflective Pavement Striping	7.67	
<i>For <10, Add</i>	0.92	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 200, Deduct</i>	-0.62	
<i>For >200, Deduct</i>	-1.23	
32 17 23 13-0012 EA 24" High, Letter/Number, Painted Reflective Pavement Striping	12.88	
<i>For <10, Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100 To 200, Deduct</i>	-1.02	
<i>For >200, Deduct</i>	-2.04	
32 17 23 13-0013 EA 36" High, Letter/Number, Painted Reflective Pavement Striping	25.09	
<i>For <10, Add</i>	3.06	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100 To 200, Deduct</i>	-2.04	
<i>For >200, Deduct</i>	-4.08	
32 17 23 13-0014 EA 48" High, Letter/Number, Painted Reflective Pavement Striping	28.99	
<i>For <10, Add</i>	3.44	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100 To 200, Deduct</i>	-2.29	
<i>For >200, Deduct</i>	-4.58	
32 17 23 13-0015 EA 72" High, Letter/Number, Painted Reflective Pavement Striping	51.85	
<i>For <10, Add</i>	6.11	
<i>For >50 To 100, Deduct</i>	-3.06	
<i>For >100 To 200, Deduct</i>	-4.08	
<i>For >200, Deduct</i>	-8.15	
32 17 23 13-0016 EA 96" High, Letter/Number, Painted Reflective Pavement Striping	69.34	
<i>For <10, Add</i>	8.21	
<i>For >50 To 100, Deduct</i>	-4.10	
<i>For >100 To 200, Deduct</i>	-5.47	
<i>For >200, Deduct</i>	-10.95	
32 17 23 13-0017 EA 120" High, Letter/Number, Painted Reflective Pavement Striping	100.42	
<i>For <10, Add</i>	10.17	
<i>For >50 To 100, Deduct</i>	-5.09	
<i>For >100 To 200, Deduct</i>	-6.78	
<i>For >200, Deduct</i>	-13.56	
32 17 23 13-0018 SF Letter/Number, Painted Reflective Pavement Marking	7.20	
32 17 23 13-0019 SF Symbols, Painted Reflective Pavement Marking	8.58	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020 Painted Reflective Pavement Marking (CALTRANS) <small>(32 17 23 13-0001)</small>		
Note: Per LF of detail.		
32 17 23 13-0021 LF CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.28	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0022 LF CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.41	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For >25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0023 LF CALTRANS Detail 4 Centerline	0.74	
<i>For Up To 5,000 LF, Add</i>	0.15	
<i>For >25,000 LF, Deduct</i>	-0.11	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0024 LF CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.27	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0025 LF CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.42	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0026 LF CALTRANS Detail 7 Centerline	0.53	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0027 LF CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.28	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0028 LF CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.41	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0029 LF CALTRANS Detail 10 Lanelines	0.74	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
32 17 23 13-0030 LF CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.27	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0031 LF CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.41	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0032 LF CALTRANS Detail 13 Lanelines	0.53	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0033 LF CALTRANS Detail 14 Lanelines	0.53	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0034 LF CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.41	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0035 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.37	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.06	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.09	
32 17 23 13-0036 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.90	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0037 LF CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	2.14	
For Up To 5,000 LF, Add	0.43	
For >25,000 LF, Deduct	-0.32	
32 17 23 13-0038 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.37	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.06	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.09	
32 17 23 13-0039 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.76	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
32 17 23 13-0040 LF CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	1.81	
For Up To 5,000 LF, Add	0.36	
For >25,000 LF, Deduct	-0.27	
32 17 23 13-0041 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.44	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.07	
For Double Broken Line, Deduct	-0.14	
32 17 23 13-0042 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.97	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.15	
32 17 23 13-0043 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	2.55	
For Up To 5,000 LF, Add	0.51	
For >25,000 LF, Deduct	-0.38	
32 17 23 13-0044 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.35	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0045 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.48	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.07	
32 17 23 13-0046 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
32 17 23 13-0047 LF CALTRANS Detail 26 Left Edgelines	0.13	
For Up To 5,000 LF, Add	0.03	
For >25,000 LF, Deduct	-0.02	
32 17 23 13-0048 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.57	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.09	
32 17 23 13-0049 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.35	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0050 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.27 0.05 -0.04	
32 17 23 13-0051 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i> <i>For Broken Line On One Side, Deduct</i> <i>For Double Broken Line, Deduct</i>	0.87 0.17 -0.13 -0.14 -0.29	
32 17 23 13-0052 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.41 0.28 -0.21	
32 17 23 13-0053 LF CALTRANS Detail 30 Median Islands <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	5.11 1.02 -0.77	
32 17 23 13-0054 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i> <i>For Broken Line On One Side, Deduct</i> <i>For Double Broken Line, Deduct</i>	0.73 0.15 -0.11 -0.09 -0.18	
32 17 23 13-0055 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.39 0.28 -0.21	
32 17 23 13-0056 LF CALTRANS Detail 33 Two-Way Left Turn Lanes <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	3.50 0.70 -0.53	
32 17 23 13-0057 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.76 0.15 -0.11	
32 17 23 13-0058 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping..... <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.37 0.07 -0.06	
32 17 23 13-0059 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.90 0.18 -0.14	
32 17 23 13-0060 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping..... <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.37 0.07 -0.06	
32 17 23 13-0061 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.61 0.32 -0.24	
32 17 23 13-0062 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.06 0.21 -0.16	
32 17 23 13-0063 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.14 0.23 -0.17	
32 17 23 13-0064 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.98 0.20 -0.15	
32 17 23 13-0065 LF CALTRANS Detail 37A Lane Drop At Exit Ramps..... <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.72 0.34 -0.26	
32 17 23 13-0066 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.98 0.20 -0.15	
32 17 23 13-0067 LF CALTRANS Detail 37C Lane Drop At Intersections..... <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.72 0.34 -0.26	
32 17 23 13-0068 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.96 0.19 -0.14	
32 17 23 13-0069 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping..... <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.69 0.14 -0.10	
32 17 23 13-0070 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.22 0.24 -0.18	
32 17 23 13-0071 LF CALTRANS Detail 38C Channelizing Line <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	2.55 0.51 -0.38	
32 17 23 13-0072 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.42 0.08 -0.06	
32 17 23 13-0073 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.34 0.07 -0.05	
32 17 23 13-0074 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.26 0.05 -0.04	
32 17 23 13-0075 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	1.22 0.24 -0.18	
32 17 23 13-0076 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	0.26 0.05 -0.04	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0077 LF CALTRANS Detail 41A Center Line Extensions Through Intersections.....	1.22	
For Up To 5,000 LF, Add	0.24	
For >25,000 LF, Deduct	-0.18	
32 17 23 13-0078 EA CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	114.49	
For <10, Add	14.87	
For >50 To 100, Deduct	-7.44	
For >100 To 200, Deduct	-9.92	
For >200, Deduct	-19.83	
32 17 23 13-0079 EA CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	200.88	
For <10, Add	26.03	
For >50 To 100, Deduct	-13.01	
For >100 To 200, Deduct	-17.35	
For >200, Deduct	-34.70	
32 17 23 13-0080 EA CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	252.08	
For <10, Add	32.72	
For >50 To 100, Deduct	-16.36	
For >100 To 200, Deduct	-21.81	
For >200, Deduct	-43.63	
32 17 23 13-0081 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	366.56	
For <10, Add	47.59	
For >50 To 100, Deduct	-23.80	
For >100 To 200, Deduct	-31.73	
For >200, Deduct	-63.46	
32 17 23 13-0082 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	481.04	
For <10, Add	62.47	
For >50 To 100, Deduct	-31.23	
For >100 To 200, Deduct	-41.64	
For >200, Deduct	-83.29	
32 17 23 13-0083 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	338.49	
For <10, Add	43.88	
For >50 To 100, Deduct	-21.94	
For >100 To 200, Deduct	-29.25	
For >200, Deduct	-58.50	
32 17 23 13-0084 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	590.57	
For <10, Add	76.60	
For >50 To 100, Deduct	-38.30	
For >100 To 200, Deduct	-51.06	
For >200, Deduct	-102.13	
32 17 23 13-0085 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	120.53	
For <10, Add	15.62	
For >50 To 100, Deduct	-7.81	
For >100 To 200, Deduct	-10.41	
For >200, Deduct	-20.82	
32 17 23 13-0086 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	264.18	
For <10, Add	34.21	
For >50 To 100, Deduct	-17.10	
For >100 To 200, Deduct	-22.81	
For >200, Deduct	-45.61	
32 17 23 13-0087 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	338.49	
For <10, Add	43.88	
For >50 To 100, Deduct	-21.94	
For >100 To 200, Deduct	-29.25	
For >200, Deduct	-58.50	
32 17 23 13-0088 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	218.16	
For <10, Add	28.26	
For >50 To 100, Deduct	-14.13	
For >100 To 200, Deduct	-18.84	
For >200, Deduct	-37.68	
32 17 23 13-0089 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	287.30	
For <10, Add	37.18	
For >50 To 100, Deduct	-18.59	
For >100 To 200, Deduct	-24.79	
For >200, Deduct	-49.58	
32 17 23 13-0090 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	57.24	
For <10, Add	7.44	
For >50 To 100, Deduct	-3.72	
For >100 To 200, Deduct	-4.96	
For >200, Deduct	-9.92	
32 17 23 13-0091 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	547.62	
Note: Excludes variable width transverse lines.		
For <10, Add	70.65	
For >50 To 100, Deduct	-35.32	
For >100 To 200, Deduct	-47.10	
For >200, Deduct	-94.19	
32 17 23 13-0092 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	7.15	
32 17 23 13-0093 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	53.87	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	5.36	
For >50 To 100, Deduct	-2.68	
For >100 To 200, Deduct	-3.57	
For >200, Deduct	-7.14	
32 17 23 13-0094 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	57.07	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	5.65	
For >50 To 100, Deduct	-2.83	
For >100 To 200, Deduct	-3.77	
For >200, Deduct	-7.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0095 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	91.36	
<i>For <10, Add</i>	11.90	
<i>For >50 To 100, Deduct</i>	-5.95	
<i>For >100 To 200, Deduct</i>	-7.93	
<i>For >200, Deduct</i>	-15.86	
32 17 23 13-0096 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	185.80	
<i>For <10, Add</i>	24.09	
<i>For >50 To 100, Deduct</i>	-12.05	
<i>For >100 To 200, Deduct</i>	-16.06	
<i>For >200, Deduct</i>	-32.12	
32 17 23 13-0097 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	39.78	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For <10, Add</i>	5.65	
<i>For >50 To 100, Deduct</i>	-2.83	
<i>For >100 To 200, Deduct</i>	-3.77	
<i>For >200, Deduct</i>	-7.54	
32 17 23 13-0098 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking	7.25	
32 17 23 13-0099 SF CALTRANS Symbols, Painted Reflective Pavement Marking	8.04	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0100 Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		
32 17 23 13-0101 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.60	
<i>For 20 Mil Thickness, Add</i>	0.13	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For >25,000 LF, Deduct</i>	-0.09	
<i>For Broken Line, Deduct</i>	-0.26	
32 17 23 13-0102 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.82	
<i>For 20 Mil Thickness, Add</i>	0.19	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For >25,000 LF, Deduct</i>	-0.12	
<i>For Broken Line, Deduct</i>	-0.39	
32 17 23 13-0103 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.01	
<i>For 20 Mil Thickness, Add</i>	0.23	
<i>For Up To 5,000 LF, Add</i>	0.20	
<i>For >25,000 LF, Deduct</i>	-0.15	
<i>For Broken Line, Deduct</i>	-0.47	
32 17 23 13-0104 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.51	
<i>For 20 Mil Thickness, Add</i>	0.36	
<i>For Up To 5,000 LF, Add</i>	0.30	
<i>For >25,000 LF, Deduct</i>	-0.23	
<i>For Broken Line, Deduct</i>	-0.77	
32 17 23 13-0105 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.93	
<i>For 20 Mil Thickness, Add</i>	0.24	
<i>For Up To 5,000 LF, Add</i>	0.19	
<i>For >25,000 LF, Deduct</i>	-0.14	
<i>For Broken Line On One Side, Deduct</i>	-0.26	
<i>For Double Broken Line, Deduct</i>	-0.51	
32 17 23 13-0106 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.32	
<i>For 20 Mil Thickness, Add</i>	0.35	
<i>For Up To 5,000 LF, Add</i>	0.26	
<i>For >25,000 LF, Deduct</i>	-0.20	
<i>For Broken Line On One Side, Deduct</i>	-0.38	
<i>For Double Broken Line, Deduct</i>	-0.77	
32 17 23 13-0107 SF Solid Area, Epoxy Reflective Pavement Marking.....	7.78	
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
<i>For 20 Mil Thickness, Add</i>	0.91	
32 17 23 13-0108 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	4.79	
<i>For 20 Mil Thickness, Add</i>	0.45	
<i>For <10, Add</i>	0.61	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 200, Deduct</i>	-0.41	
<i>For >200, Deduct</i>	-0.81	
32 17 23 13-0109 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	8.80	
<i>For 20 Mil Thickness, Add</i>	1.19	
<i>For <10, Add</i>	0.92	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 200, Deduct</i>	-0.62	
<i>For >200, Deduct</i>	-1.23	
32 17 23 13-0110 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	14.85	
<i>For 20 Mil Thickness, Add</i>	2.05	
<i>For <10, Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100 To 200, Deduct</i>	-1.02	
<i>For >200, Deduct</i>	-2.04	
32 17 23 13-0111 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	28.56	
<i>For 20 Mil Thickness, Add</i>	3.73	
<i>For <10, Add</i>	3.06	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100 To 200, Deduct</i>	-2.04	
<i>For >200, Deduct</i>	-4.08	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0112 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	33.50	
For 20 Mil Thickness, Add	4.68	
For <10, Add	3.44	
For >50 To 100, Deduct	-1.72	
For >100 To 200, Deduct	-2.29	
For >200, Deduct	-4.58	
32 17 23 13-0113 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	60.09	
For 20 Mil Thickness, Add	8.48	
For <10, Add	6.11	
For >50 To 100, Deduct	-3.06	
For >100 To 200, Deduct	-4.08	
For >200, Deduct	-8.15	
32 17 23 13-0114 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	80.18	
For 20 Mil Thickness, Add	11.22	
For <10, Add	8.21	
For >50 To 100, Deduct	-4.10	
For >100 To 200, Deduct	-5.47	
For >200, Deduct	-10.95	
32 17 23 13-0115 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	124.62	
For 20 Mil Thickness, Add	22.32	
For <10, Add	10.17	
For >50 To 100, Deduct	-5.09	
For >100 To 200, Deduct	-6.78	
For >200, Deduct	-13.56	
32 17 23 13-0116 SF Letter/Number, Epoxy Reflective Pavement Marking.....	7.98	
For 20 Mil Thickness, Add	0.92	
32 17 23 13-0117 SF Symbols, Epoxy Reflective Pavement Marking.....	10.06	
Note: Handicap, railroad, diamond, arrows, etc.		
For 20 Mil Thickness, Add	1.02	
32 17 23 13-0118 Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
Note: Includes primers. Per Coat.		
32 17 23 13-0119 Painted Pavement Marking For Parking Areas (32 17 23 13-0118)		
Note: 15 mil thickness.		
32 17 23 13-0120 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.26	
32 17 23 13-0121 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.37	
32 17 23 13-0122 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.46	
32 17 23 13-0123 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.64	
32 17 23 13-0124 SF Solid Area, Painted Pavement Marking For Parking Areas.....	6.15	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.37	
For Up To 10, Add	0.60	
For >50 To 100, Deduct	-0.30	
For >100 To 200, Deduct	-0.40	
For >200, Deduct	-0.79	
32 17 23 13-0126 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	7.41	
For Up To 10, Add	0.89	
For >50 To 100, Deduct	-0.45	
For >100 To 200, Deduct	-0.60	
For >200, Deduct	-1.19	
32 17 23 13-0127 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	12.47	
For Up To 10, Add	1.49	
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-0.99	
For >200, Deduct	-1.98	
32 17 23 13-0128 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	23.34	
For Up To 10, Add	2.83	
For >50 To 100, Deduct	-1.41	
For >100 To 200, Deduct	-1.88	
For >200, Deduct	-3.77	
32 17 23 13-0129 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	30.96	
For Up To 10, Add	3.87	
For >50 To 100, Deduct	-1.93	
For >100 To 200, Deduct	-2.58	
For >200, Deduct	-5.16	
32 17 23 13-0130 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	37.58	
For Up To 10, Add	4.76	
For >50 To 100, Deduct	-2.38	
For >100 To 200, Deduct	-3.17	
For >200, Deduct	-6.35	
32 17 23 13-0131 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	50.35	
For Up To 10, Add	5.95	
For >50 To 100, Deduct	-2.97	
For >100 To 200, Deduct	-3.97	
For >200, Deduct	-7.93	
32 17 23 13-0132 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	90.19	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	103.36	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	147.66	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	150.70	
Note: Approximate overall dimensions: 7' width x 13' height.		



Exterior Improvements	32	
Bases, Ballasts, and Paving	32 10	32
Paving Specialties	32 17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0136 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas 197.26 Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0137 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas 36.67 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping. For Blue Background With White Symbol, Add 27.50 For Blue Background With White Symbol And Border, Add 34.38		
32 17 23 13-0138 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas 53.98 Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping. For Blue Background With White Symbol, Add 56.55 For Blue Background With White Symbol And Border, Add 70.69		
32 17 23 13-0139 Painted Curbs (32 17 23 13) Note: All colors.		
32 17 23 13-0140 LF Reflective Painted Curb 3.45		
32 17 23 13-0141 LF Reflective Painted Curb And Gutter 6.59		
32 17 23 13-0142 LF Painted Curb 2.80		
32 17 23 13-0143 LF Painted Curb And Gutter 6.02		
32 17 23 13-0144 Markings For Outdoor Play Areas, Courts (32 17 23 13)		
32 17 23 13-0145 LF 2" Wide Marking For Outdoor Play Areas 0.97		
32 17 23 13-0146 LF 3" Wide Marking For Outdoor Play Areas 1.08		
32 17 23 13-0147 LF 4" Wide Marking For Outdoor Play Areas 1.22		
32 17 23 13-0148 LF 6" Wide Marking For Outdoor Play Areas 1.43		
32 17 23 13-0149 EA Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera) 332.86		
32 17 23 13-0150 Painted Pavement Cycle Lane For Roads (32 17 23 13)		
32 17 23 13-0151 SF StreetBond or Ride-A-Way Pavement Coating For Cycle Lanes 4.98 Note: 4-layer system with green bike lane colorant		
32 17 23 23 Raised Pavement Markings (32 17 23)		
32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23)		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM) 5.95 2.56 Note: Type G, H or R For >100, Deduct -0.60		
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM) 6.29 2.56 Note: Type B, C, D, AC, RA or RR For >100, Deduct -0.63		
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM) 7.26 2.56 For >100, Deduct -0.73		
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) 5.50 2.56 Note: Type A or AY For >100, Deduct -0.55		
32 17 23 23-0006 Snowplowable Pavement Markers (32 17 23 23)		
32 17 23 23-0007 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail 73.43 31.22 Note: Type G, H or R		
32 17 23 23-0008 EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail 73.73 31.22 Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009 EA Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker 19.98		
32 17 23 23-0010 EA Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker 25.49		
32 17 23 33 Plastic Pavement Markings (32 17 23)		
32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33) Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001) Note: 90 mil thickness.		
32 17 23 33-0003 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping 1.49 For Up To 5,000 LF, Add 0.30 For >25,000 LF, Deduct -0.22 For 60 mils Thick, Deduct -0.20 For 125 mils Thick, Add 0.26 For Broken Line, Deduct -0.87		
32 17 23 33-0004 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping 2.13 Note: Includes yellow or white. For Up To 5,000 LF, Add 0.43 For >25,000 LF, Deduct -0.32 For 60 mils Thick, Deduct -0.30 For 125 mils Thick, Add 0.39 For Broken Line, Deduct -1.30		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.82	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.56	
			For >25,000 LF, Deduct	-0.42	
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
			For Broken Line, Deduct	-1.73	
32 17 23	33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.14	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.83	
			For >25,000 LF, Deduct	-0.62	
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
			For Broken Line, Deduct	-2.60	
32 17 23	33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.80	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.56	
			For >25,000 LF, Deduct	-0.42	
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
			For Broken Line On One Side, Deduct	-0.87	
			For Double Broken Line, Deduct	-1.73	
32 17 23	33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.14	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.83	
			For >25,000 LF, Deduct	-0.62	
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
			For Broken Line On One Side, Deduct	-1.30	
			For Double Broken Line, Deduct	-2.60	
32 17 23	33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	9.40	
			Note: Includes yellow or white.		
			For 60 mils Thick, Deduct	-0.60	
			For 125 mils Thick, Add	0.78	
32 17 23	33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	6.17	
			For Up To 10, Add	0.67	
			For >50 To 100, Deduct	-0.34	
			For >100 To 200, Deduct	-0.45	
			For >200, Deduct	-0.89	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.38	
32 17 23	33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	12.89	
			For Up To 10, Add	1.01	
			For >50 To 100, Deduct	-0.51	
			For >100 To 200, Deduct	-0.67	
			For >200, Deduct	-1.35	
			For 60 mils Thick, Deduct	-1.08	
			For 125 mils Thick, Add	1.38	
32 17 23	33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	21.96	
			For Up To 10, Add	1.68	
			For >50 To 100, Deduct	-0.84	
			For >100 To 200, Deduct	-1.12	
			For >200, Deduct	-2.24	
			For 60 mils Thick, Deduct	-1.88	
			For 125 mils Thick, Add	2.42	
32 17 23	33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	41.43	
			For Up To 10, Add	3.38	
			For >50 To 100, Deduct	-1.69	
			For >100 To 200, Deduct	-2.25	
			For >200, Deduct	-4.50	
			For 60 mils Thick, Deduct	-3.31	
			For 125 mils Thick, Add	4.26	
32 17 23	33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	49.78	
			For Up To 10, Add	3.78	
			For >50 To 100, Deduct	-1.89	
			For >100 To 200, Deduct	-2.52	
			For >200, Deduct	-5.04	
			For 60 mils Thick, Deduct	-4.31	
			For 125 mils Thick, Add	5.54	
32 17 23	33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	89.76	
			For Up To 10, Add	6.72	
			For >50 To 100, Deduct	-3.36	
			For >100 To 200, Deduct	-4.48	
			For >200, Deduct	-8.96	
			For 60 mils Thick, Deduct	-7.86	
			For 125 mils Thick, Add	10.11	
32 17 23	33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	119.32	
			For Up To 10, Add	9.03	
			For >50 To 100, Deduct	-4.51	
			For >100 To 200, Deduct	-6.02	
			For >200, Deduct	-12.04	
			For 60 mils Thick, Deduct	-10.35	
			For 125 mils Thick, Add	13.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0017 EA 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	206.53	
<i>For Up To 10, Add</i>	11.18	
<i>For >50 To 100, Deduct</i>	-5.59	
<i>For >100 To 200, Deduct</i>	-7.46	
<i>For >200, Deduct</i>	-14.91	
<i>For 60 mils Thick, Deduct</i>	-23.09	
<i>For 125 mils Thick, Add</i>	29.69	
32 17 23 33-0018 SF Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.00	
<i>For 60 mils Thick, Deduct</i>	-0.75	
<i>For 125 mils Thick, Add</i>	0.96	
32 17 23 33-0019 SY Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	32.55	
Note: Per SY of area.		
<i>For 60 mils Thick, Deduct</i>	-1.36	
<i>For 125 mils Thick, Add</i>	1.75	
32 17 23 33-0020 EA Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	287.20	
<i>For 60 mils Thick, Deduct</i>	-17.14	
<i>For 125 mils Thick, Add</i>	22.03	
32 17 23 33-0021 EA Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	853.27	
<i>For 60 mils Thick, Deduct</i>	-52.15	
<i>For 125 mils Thick, Add</i>	67.05	
32 17 23 33-0022 EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	174.51	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For 60 mils Thick, Deduct</i>	-23.60	
<i>For 125 mils Thick, Add</i>	30.34	
32 17 23 33-0023 EA Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	137.36	
<i>For 60 mils Thick, Deduct</i>	-8.20	
<i>For 125 mils Thick, Add</i>	10.54	
32 17 23 33-0024 SF Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	12.49	
Note: Handicap, railroad, diamond, arrows, etc.		
<i>For 60 mils Thick, Deduct</i>	-0.75	
<i>For 125 mils Thick, Add</i>	0.96	
32 17 23 33-0025 EA 10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	174.82	
<i>For 60 mils Thick, Deduct</i>	-10.43	
<i>For 125 mils Thick, Add</i>	13.41	
32 17 23 33-0026 EA 18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	312.18	
<i>For 60 mils Thick, Deduct</i>	-18.63	
<i>For 125 mils Thick, Add</i>	23.95	
32 17 23 33-0027 EA 24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	387.09	
<i>For 60 mils Thick, Deduct</i>	-23.09	
<i>For 125 mils Thick, Add</i>	29.69	
32 17 23 33-0028 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	561.91	
<i>For 60 mils Thick, Deduct</i>	-33.52	
<i>For 125 mils Thick, Add</i>	43.10	
32 17 23 33-0029 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	736.74	
<i>For 60 mils Thick, Deduct</i>	-43.96	
<i>For 125 mils Thick, Add</i>	56.52	
32 17 23 33-0030 EA 24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	524.45	
<i>For 60 mils Thick, Deduct</i>	-31.29	
<i>For 125 mils Thick, Add</i>	40.23	
32 17 23 33-0031 EA 24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	911.55	
<i>For 60 mils Thick, Deduct</i>	-54.39	
<i>For 125 mils Thick, Add</i>	69.93	
32 17 23 33-0032 EA 8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	187.31	
<i>For 60 mils Thick, Deduct</i>	-11.18	
<i>For 125 mils Thick, Add</i>	14.37	
32 17 23 33-0033 EA 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	412.07	
<i>For 60 mils Thick, Deduct</i>	-24.59	
<i>For 125 mils Thick, Add</i>	31.61	
32 17 23 33-0034 EA 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	524.45	
<i>For 60 mils Thick, Deduct</i>	-31.29	
<i>For 125 mils Thick, Add</i>	40.23	
32 17 23 33-0035 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	337.14	
<i>For 60 mils Thick, Deduct</i>	-20.11	
<i>For 125 mils Thick, Add</i>	25.86	
32 17 23 33-0036 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	449.53	
<i>For 60 mils Thick, Deduct</i>	-26.82	
<i>For 125 mils Thick, Add</i>	34.48	
32 17 23 33-0037 EA 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	87.41	
<i>For 60 mils Thick, Deduct</i>	-5.22	
<i>For 125 mils Thick, Add</i>	6.71	
32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)	3.26	
LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.26	
<i>For 60 mils Thick, Deduct</i>	-0.20	
<i>For 125 mils Thick, Add</i>	0.26	
LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.12	
<i>For 60 mils Thick, Deduct</i>	-0.30	
<i>For 125 mils Thick, Add</i>	0.39	
LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.09	
<i>For 60 mils Thick, Deduct</i>	-0.40	
<i>For 125 mils Thick, Add</i>	0.52	
LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	7.33	
<i>For 60 mils Thick, Deduct</i>	-0.61	
<i>For 125 mils Thick, Add</i>	0.78	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	13.21 -1.21 1.56	
32 17 23 33-0044		Preformed, Patterned Reflective Pavement Marking Tape <small>(32 17 23 33-0001)</small> Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	3.18 0.64 -0.48	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	4.70 0.94 -0.71	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	6.24 1.25 -0.94	
32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	9.27 1.85 -1.39	
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	25.68	
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	38.15 1.22 -0.61 -0.81 -1.63	
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	67.44 1.55 -0.77 -1.03 -2.06	
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	115.80 3.06 -1.53 -2.04 -4.08	
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	166.93 6.13 -3.06 -4.09 -8.17	
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	195.71 6.87 -3.44 -4.58 -9.16	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	250.00 12.23 -6.11 -8.15 -16.30	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	318.63 16.42 -8.21 -10.95 -21.89	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	399.41 20.35 -10.17 -13.56 -27.13	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	26.47	
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	27.96	
32 17 23 33-0060		Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small> Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	409.26	
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,085.92	
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	214.51	
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	180.27	
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	353.99	
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	209.66	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Paving Specialties	32 17

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0067	EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 394.64 Note: Approximate overall dimensions: 6' width x 8' height.	394.64	
32 17 23 33-0068	EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... 677.50 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	677.50	
32 17 23 33-0069	EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 1,022.46 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,022.46	
32 17 23 33-0070	EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 363.71 Note: Approximate overall dimensions: 1-2/3' width x 12' height.	363.71	
32 17 23 33-0071	EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 404.36 Note: Approximate overall dimensions: 3' width x 12' height.	404.36	
32 17 23 33-0072	EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 749.22 Note: Approximate overall dimensions: 5-1/2' width x 12' height.	749.22	
32 17 23 33-0073	EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 688.41 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	688.41	
32 17 23 33-0074	EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... 691.38 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	691.38	
32 17 23 33-0075	EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 953.53 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	953.53	
32 17 23 33-0076	EA 4' x 7' Preformed Bike Symbol Panel, 90 Mil Thick, Thermoplastic Reflective Pavement Marking 570.00 Note: Lightgreen or black background color with white symbol.	570.00	
32 17 23 33-0077	EA 4' x 10' Preformed Shared Bike Lane Symbol Panel, 90 Mil Thick, Thermoplastic Reflective Pavement Marking 812.15 Note: Lightgreen or black background color with white symbol.	812.15	
32 17 23 33-0078	EA 4' x 20' Preformed Bike Symbol Panel, 90 Mil Thick, Thermoplastic Reflective Pavement Marking 1,624.32 Note: Lightgreen background color with white symbol.	1,624.32	
32 17 23 33-0079	Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
32 17 23 33-0080	Thermoplastic Pavement Marking Symbols For Parking Areas (32 17 23 33-0079) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0081	EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 138.67 Note: White or blue symbol. Excludes striping.	138.67	
32 17 23 33-0082	EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 525.09 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	525.09	
32 17 23 33-0083	EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 296.56 Note: White symbol on blue background. Excludes striping.	296.56	
32 17 23 33-0084	EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 356.50 Note: White symbol on blue background. Excludes striping.	356.50	
32 17 23 33-0085	EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 373.68 Note: White symbol on blue background. Excludes striping.	373.68	
32 17 26	Tactile Warning Surfaces (32 17)		
32 17 26 00-0001	Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF Surface Applied VPC Truncated Dome Detectable Warning Surface 71.07 Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	71.07	10.17
32 17 26 00-0003	SF Embedded, VPC Truncated Dome Detectable Warning Surface 57.85 Note: Also raised strips or directional bars. All colors.	57.85	10.17
32 17 26 00-0004	Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) 80.71 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	80.71	10.17
32 17 26 00-0006	SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) 71.56 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	71.56	10.17
32 18	Athletic and Recreational Surfacing (32 10)		
32 18 16	Synthetic Resilient Surfacing (32 18)		
32 18 16 13	Playground Protective Surfacing (32 18 16)		
32 18 16 13-0001	Tile Playground Surface Material (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF 1-3/4" Thick, Resilient Rubber Tile Playground Surfacing 22.02 For Manufacturer's Standard Colors, Add 1.36 For Interlocking Tiles, Add 3.02 For Mechanically Fastened, Add 1.79 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50	22.02	2.32

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile Playground Surfacing.....	22.46	2.45
For Manufacturer's Standard Colors, Add	1.36	
For Interlocking Tiles, Add	3.02	
For Mechanically Fastened, Add	1.87	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	23.33	2.74
For Manufacturer's Standard Colors, Add	1.36	
For Interlocking Tiles, Add	3.02	
For Mechanically Fastened, Add	2.05	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	24.19	3.03
For Manufacturer's Standard Colors, Add	1.36	
For Interlocking Tiles, Add	3.02	
For Mechanically Fastened, Add	2.22	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	27.01	3.32
For Manufacturer's Standard Colors, Add	1.02	
For Interlocking Tiles, Add	3.41	
For Mechanically Fastened, Add	2.39	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile Playground Surfacing.....	27.96	3.64
For Manufacturer's Standard Colors, Add	1.02	
For Interlocking Tiles, Add	3.41	
For Mechanically Fastened, Add	2.58	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	28.96	3.97
For Manufacturer's Standard Colors, Add	1.02	
For Interlocking Tiles, Add	3.41	
For Mechanically Fastened, Add	2.78	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	31.85	4.24
For Manufacturer's Standard Colors, Add	0.57	
For Interlocking Tiles, Add	3.80	
For Mechanically Fastened, Add	2.97	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	32.71	4.59
For Manufacturer's Standard Colors, Add	0.57	
For Interlocking Tiles, Add	3.80	
For Mechanically Fastened, Add	3.14	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile Playground Surfacing.....	33.67	4.85
For Manufacturer's Standard Colors, Add	0.57	
For Interlocking Tiles, Add	3.80	
For Mechanically Fastened, Add	3.33	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	38.75	5.46
For Manufacturer's Standard Colors, Add	0.56	
For Interlocking Tiles, Add	4.46	
For Mechanically Fastened, Add	3.69	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0013 Loose Laid Playground Surface Material <small>(32 18 16 13)</small>		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Playground Surfacing	1.92	0.35
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Playground Surfacing	2.63	0.43
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Playground Surfacing	3.41	0.52
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Playground Surfacing	4.80	0.78
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.22	0.35
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.99	0.43
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.38	0.52
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Playground Surfacing	7.80	0.78
32 18 16 13-0022 SF 8" FIBAR System Playground Surfacing.....	13.16	1.30
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System Playground Surfacing	16.61	1.74
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024 Poured In Place Playground Surfacing <small>(32 18 16 13)</small>		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF 1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	17.70	2.66
For Up To 2,000, Add	3.59	
For >2,000 To 3,000, Add	2.53	
For >3,000 To 4,000, Add	1.72	
For >4,000 To 5,000, Add	1.10	
For >5,000 To 7,000, Add	0.46	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	



Exterior Improvements	32
Bases, Ballasts, and Paving	32 10
Athletic and Recreational Surfacing	32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0026 SF 2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	18.25	2.95
For Up To 2,000, Add	3.70	
For >2,000 To 3,000, Add	2.61	
For >3,000 To 4,000, Add	1.77	
For >4,000 To 5,000, Add	1.13	
For >5,000 To 7,000, Add	0.47	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0027 SF 2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	19.70	3.37
For Up To 2,000, Add	3.99	
For >2,000 To 3,000, Add	2.81	
For >3,000 To 4,000, Add	1.91	
For >4,000 To 5,000, Add	1.22	
For >5,000 To 7,000, Add	0.51	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0028 SF 3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	21.28	3.59
For Up To 2,000, Add	4.31	
For >2,000 To 3,000, Add	3.04	
For >3,000 To 4,000, Add	2.07	
For >4,000 To 5,000, Add	1.32	
For >5,000 To 7,000, Add	0.55	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0029 SF 3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	22.85	3.78
For Up To 2,000, Add	4.63	
For >2,000 To 3,000, Add	3.26	
For >3,000 To 4,000, Add	2.22	
For >4,000 To 5,000, Add	1.42	
For >5,000 To 7,000, Add	0.59	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0030 SF 4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	24.19	4.00
For Up To 2,000, Add	4.90	
For >2,000 To 3,000, Add	3.45	
For >3,000 To 4,000, Add	2.35	
For >4,000 To 5,000, Add	1.50	
For >5,000 To 7,000, Add	0.62	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0031 SF 4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	25.77	4.21
For Up To 2,000, Add	5.22	
For >2,000 To 3,000, Add	3.68	
For >3,000 To 4,000, Add	2.50	
For >4,000 To 5,000, Add	1.60	
For >5,000 To 7,000, Add	0.67	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0032 SF 5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	28.90	4.72
For Up To 2,000, Add	5.86	
For >2,000 To 3,000, Add	4.13	
For >3,000 To 4,000, Add	2.81	
For >4,000 To 5,000, Add	1.79	
For >5,000 To 7,000, Add	0.75	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0033 SF 1/2" Top Only, Poured In Place Playground Surfacing	11.56	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	3.53	
For >2,000 To 3,000, Add	2.29	
For >3,000 To 4,000, Add	1.39	
For >4,000 To 5,000, Add	0.84	
For >5,000 To 7,000, Add	0.38	
For Aliphatic (Non-Yellowing) Binder, Add	4.25	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.59	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	2,623.64	
32 18 16 13-0035 Synthetic Playground Turf (Sporturf) <small>(32 18 16 13)</small>		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	10.31	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.05	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf).....	5.82	
32 18 16 13-0039 CF Sand/Ruber Infill (Sporturf).....	52.34	

32 18 23 Athletic Surfacing (32 18)

32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)

32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)

32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)

Note: Includes labor, equipment and material required to install the task.

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0003		Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0004		38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	8.09	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	27,261.72	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	22,220.87	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Per sport.	6,686.84	
32 18 23 29-0009	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	2,468.99	
		Note: Per letter. Excludes outline.		
32 18 23 29-0010	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Per endzone.	2,366.11	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	20,574.88	
		Note: Block letter.		
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	29,833.58	
		Note: Graphic.		
32 18 23 29-0013		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	9.33	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	27,776.25	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	23,044.00	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per sport.	7,201.25	
32 18 23 29-0018	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields	2,674.75	
		Note: Per letter. Excludes outline.		
32 18 23 29-0019	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per endzone.	2,469.00	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	21,603.75	
		Note: Block letter.		
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields	31,325.44	
		Note: Graphic.		
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	9.51	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	28,290.63	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	24,895.75	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per sport.	7,715.63	
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	2,880.50	
		Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per endzone.	2,571.88	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	22,632.50	
		Note: Block letter.		
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	32,817.13	
		Note: Graphic.		
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	10.67	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	29,319.20	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	31,273.82	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Athletic and Recreational Surfacing		32 18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0036	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	8,744.32	
			Note: Per sport.		
32 18 23 29-0037	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields	3,291.98	
			Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	2,777.61	
			Note: Per endzone.		
32 18 23 29-0039	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	24,689.86	
			Note: Block letter.		
32 18 23 29-0040	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	35,800.29	
			Note: Graphic.		
32 18 23 29-0041			60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0042	SF		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60).....	11.05	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	29,833.58	
32 18 23 29-0044	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	34,771.55	
32 18 23 29-0045	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	9,258.70	
			Note: Per sport.		
32 18 23 29-0046	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields	3,497.73	
			Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	2,880.48	
			Note: Per endzone.		
32 18 23 29-0048	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	25,718.60	
			Note: Block letter.		
32 18 23 29-0049	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	37,291.97	
			Note: Graphic.		
32 18 23 29-0050			52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051	SF		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52).....	11.07	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	30,347.95	
32 18 23 29-0053	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	34,977.30	
32 18 23 29-0054	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	9,773.07	
			Note: Per sport.		
32 18 23 29-0055	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	3,703.48	
			Note: Per letter. Excludes outline.		
32 18 23 29-0056	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields	2,983.36	
			Note: Per endzone.		
32 18 23 29-0057	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	26,747.34	
			Note: Block letter.		
32 18 23 29-0058	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	38,783.65	
			Note: Graphic.		
32 18 23 29-0059			60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0060	SF		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	11.28	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	30,862.32	
32 18 23 29-0062	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	37,240.53	
32 18 23 29-0063	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	10,287.44	
			Note: Per sport.		
32 18 23 29-0064	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	4,114.98	
			Note: Per letter. Excludes outline.		
32 18 23 29-0065	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	3,086.23	
			Note: Per endzone.		
32 18 23 29-0066	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	27,776.09	
			Note: Block letter.		
32 18 23 29-0067	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	40,275.33	
			Note: Graphic.		
32 18 23 29-0068			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) <small>(32 18 23 29-0002)</small>		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0069		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) <small>(32 18 23 29-0069)</small>		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	8.95	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	26,233.13	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	19,340.50	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	5,658.13	
		Note: Per sport.		
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,057.50	
		Note: Per letter. Excludes outline.		
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,160.38	
		Note: Per endzone.		
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	18,517.50	
		Note: Block letter.		
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	26,850.38	
		Note: Graphic.		
32 18 23 29-0078		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) <small>(32 18 23 29-0069)</small>		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	7.84	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	26,747.34	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	20,574.88	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	6,172.46	
		Note: Per sport.		
32 18 23 29-0083	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,263.24	
		Note: Per letter. Excludes outline.		
32 18 23 29-0084	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,263.24	
		Note: Per endzone.		
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	19,546.14	
		Note: Block letter.		
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	28,341.90	
		Note: Graphic.		
32 18 23 29-0087		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	17.88	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	15.99	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields.....	50,761.81	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields.....	60,306.76	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	14,751.29	
		Note: Per sport.		
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields.....	5,640.20	
		Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields.....	4,186.54	
		Note: Per endzone.		
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields.....	37,678.87	
		Note: Block letter.		
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields.....	55,317.35	
		Note: Graphic.		
32 18 23 29-0097		Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small>		
		Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf).....	9.76	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
		<i>For >35,000, Deduct</i>	-0.87	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	9.67	
		Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
		<i>For >35,000, Deduct</i>	-0.86	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	10.11	
		Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf.....	70,193.30	
		Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf.....	30,417.10	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf.....	30,417.10	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf.....	30,417.10	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf.....	30,417.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0106 EA Endzone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,509.67	
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.29	
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	8.58	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.45	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf.....	1.24	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	2.03	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf	2,339.78	
Note: Includes a comprehensive report.		
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf	23,397.77	
32 18 23 29-0114 SF Clean And Groom Synthetic Turf.....	0.77	
Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
For >10,000 To 30,000, Deduct	-0.31	
For >30,000 To 60,000, Deduct	-0.54	
For >60,000, Deduct	-0.59	
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	5.25	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill.....	5.83	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf	4.78	
Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf	2.94	
Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf	4,663.00	
Note: Includes field inspection and report.		
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf	12.82	
Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121 LF Nailer Used To Attach G9 Synthetic Turf.....	5.13	
32 18 23 29-0122 SF Removal And Recycling Of Existing Field.....	3.61	
Note: Includes removal, shipping and recycling of infill, fibers and backing.		
32 18 23 33 Running Track Surfacing (32 18 23)		
32 18 23 33-0001 Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002 SY 2-1/2" Asphaltic Concrete Running Track Surfacing.....	33.92	
32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track.....	19.09	
Note: Includes certification.		
32 18 23 39 Synthetic Running Track Surfacing (32 18 23)		
32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) And Striping (32 18 23 39)		
Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100).....	73.35	6.79
For Up To 4,000, Add	25.67	
For >5,500, Deduct	-8.07	
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200).....	98.45	6.79
For Up To 4,000, Add	34.46	
For >5,500, Deduct	-10.83	
For Custom Color Upgrade, Add	9.35	
For Aliphatic Top Coating, Add	17.72	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500).....	165.45	6.79
For Up To 4,000, Add	57.91	
For >5,500, Deduct	-9.93	
For Custom Color Upgrade, Add	12.74	
For Aliphatic Top Coating, Add	23.66	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000).....	213.71	6.79
For Up To 4,000, Add	74.80	
For >5,500, Deduct	-12.82	
For Custom Color Upgrade, Add	16.67	
For Aliphatic Top Coating, Add	24.36	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning)	66.82	
For Up To 4,000, Add	23.39	
For >5,500, Deduct	-7.35	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator).....	75.21	
For Up To 4,000, Add	26.32	
For >5,500, Deduct	-10.91	

32	Exterior Improvements
32 10	Bases, Ballasts, and Paving
32 18	Athletic and Recreational Surfacing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks.....	66.06	
For Up To 4,000, Add	23.12	
For >5,500, Deduct	-6.46	
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks.....	127.88	
For Up To 4,000, Add	44.76	
For >5,500, Deduct	-13.48	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks.....	37.19	
Note: Two layers.		
For Up To 4,000, Add	13.02	
For >5,500, Deduct	-6.15	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks.....	45.29	
Note: Two layers.		
For Up To 4,000, Add	15.85	
For >5,500, Deduct	-6.15	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track.....	15,375.25	
Note: Includes two coats of acrylic resurfacer and two coats of color.		
For College Track Restriping, Add	2,795.50	
32 18 23 53 Tennis Court Surfacing (32 18 23)		
32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53)		
See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick.....	36.63	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)		
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats.....	535.73	
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)		
32 18 23 56-0001 SY Clay Tennis Court.....	50.65	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	56.37	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement.....	21.02	
32 18 23 56-0004 SY Resurface Clay Tennis Court.....	14.60	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone.....	12.36	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement.....	8.71	
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61)		
Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.70	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.96	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.50	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	106.32	
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	3.99	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.25	
For US Open Blue, Add	0.87	
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	3.15	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.18	
For US Open Blue, Add	0.62	
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.69	
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.14	
For US Open Blue, Add	0.48	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Athletic and Recreational Surfacing	32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.87	
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
For Pacific Blue, Add	0.08	
For US Open Or Australian Open Blue, Add	0.56	
For Pro Purple, Add	1.46	
32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0013 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.52	
Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014 Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0015 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	6.87	
Note: Applied with rubber squeegee.		
32 18 23 61-0016 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	9.58	
Note: Applied with rubber squeegee.		
32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	8.16	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	5.98	
Note: Applied with rubber squeegee.		
32 18 23 61-0019 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	4.42	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020 Resurface Athletic Court (32 18 23 61)		
Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021 SY Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster).....	2.61	

32 30 Site Improvements (32)

32 31 Fences and Gates (32 30)

32 31 11 Gate Operators (32 31)

32 31 11 00-0001 Gate Operators (32 31 11)		
Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002 Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0003 Swing Gate Actuator (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0004 Single Gate, Swing Gate Actuator (32 31 11 00-0003)		
32 31 11 00-0005 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	1,967.35	210.93
Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0006 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	2,637.06	210.93
Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0007 Dual Gate, Swing Gate Actuator (32 31 11 00-0003)		
32 31 11 00-0008 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	3,934.69	421.87
Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0009 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	5,274.11	421.87
Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0010 Swing Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0011 Single Gate, Swing Gate Operators (32 31 11 00-0010)		
32 31 11 00-0012 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	4,062.33	210.93
Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0013 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	4,422.95	210.93
Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0014 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	6,019.94	210.93
Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	6,827.03	210.93
Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
For 208/230/460 Volt AC, Add	322.50	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0016			Dual Gate, Swing Gate Operators (32 31 11 00-0010)		
32 31 11 00-0017	EA		400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	7,180.20	421.87
			Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0018	EA		500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	7,901.42	421.87
			Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0019	EA		700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	11,078.24	421.87
			Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
			<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0020	EA		800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	12,846.96	421.87
			Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
			<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0021			Sliding Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
			Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA		300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050).....	2,131.48	210.93
			Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA		1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,992.94	253.11
			Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA		1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	3,718.23	253.11
			Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA		3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	4,864.63	295.30
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	5,983.64	295.30
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	8,181.71	337.49
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	13,730.16	337.49
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	23,326.16	379.68
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0030			Accessories For Gate Actuators And Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0031	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	637.88	
32 31 11 00-0032	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,239.71	
32 31 11 00-0033	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	855.63	
32 31 11 00-0034	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	922.82	
32 31 11 00-0035	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	819.79	
32 31 11 00-0036	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	570.79	
32 31 11 00-0037	LF		#40 Chain For Sliding Gate Operators.....	6.78	
32 31 11 00-0038	LF		#41 Chain For Sliding Gate Operators.....	7.09	
32 31 11 00-0039	LF		#50 Chain For Sliding Gate Operators.....	9.10	
32 31 11 00-0040	LF		#60 Chain For Sliding Gate Operators.....	14.08	
32 31 11 00-0041	EA		Exterior Keypad Gate Operator (Linear AK-11).....	805.71	192.52
32 31 11 00-0042			Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)		
32 31 11 00-0043	EA		Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,827.45	259.31
			Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
			<i>For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add</i>	191.03	
			<i>For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add</i>	136.74	
			<i>For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add</i>	67.34	
			<i>For 10 Watt Solar Panel (Liftmaster SP10W12V), Add</i>	270.67	
			<i>For Each Additional 10' Chain, Add</i>	40.54	
32 31 13			Chain Link Fences and Gates (32 31)		
32 31 13 13			Chain Link Fences and Gates (32 31 13)		
32 31 13 13-0001			Post Holes (32 31 13 13)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
32 31 13 13-0002			Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	9.77	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0005 VLF 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.02	
32 31 13 13-0006 VLF 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.65	
32 31 13 13-0007 VLF 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.99	
32 31 13 13-0008 VLF 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	17.58	
32 31 13 13-0009 VLF 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	19.53	
32 31 13 13-0010 VLF 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	21.98	
32 31 13 13-0011 VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	25.12	
32 31 13 13-0012 VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	29.30	
32 31 13 13-0013 VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	35.17	
32 31 13 13-0014 VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	43.96	
32 31 13 13-0015 Post Hole In Rock (32 31 13 13-0001)		
32 31 13 13-0016 CF Jackhammer Post Hole In Rock.....	71.07	
32 31 13 13-0017 CF Rock Drill Post Hole In Rock.....	21.28	
32 31 13 13-0018 Fill For Post Holes (32 31 13 13-0001)		
See CSI section 03 21 00 00-0000 for reinforcing bars.		
32 31 13 13-0019 Concrete Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0020 VLF Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	6.60	
32 31 13 13-0021 VLF 2-1/2" Diameter, Concrete Fill For Post Hole.....	8.46	
32 31 13 13-0022 VLF 3" Diameter, Concrete Fill For Post Hole.....	9.44	
32 31 13 13-0023 VLF 4" Diameter, Concrete Fill For Post Hole.....	11.13	
32 31 13 13-0024 VLF 6" Diameter, Concrete Fill For Post Hole.....	15.87	
32 31 13 13-0025 VLF 8" Diameter, Concrete Fill For Post Hole.....	21.20	
32 31 13 13-0026 VLF 10" Diameter, Concrete Fill For Post Hole.....	26.02	
32 31 13 13-0027 VLF 12" Diameter, Concrete Fill For Post Hole.....	30.51	
32 31 13 13-0028 VLF 18" Diameter, Concrete Fill For Post Hole.....	42.41	
32 31 13 13-0029 VLF 24" Diameter, Concrete Fill For Post Hole.....	53.47	
32 31 13 13-0030 VLF 30" Diameter, Concrete Fill For Post Hole.....	64.32	
32 31 13 13-0031 VLF 36" Diameter, Concrete Fill For Post Hole.....	75.72	
32 31 13 13-0032 Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033 VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	7.57	
32 31 13 13-0034 VLF 2-1/2" Diameter, Grout Fill For Post Hole.....	9.71	
32 31 13 13-0035 VLF 3" Diameter, Grout Fill For Post Hole.....	10.71	
32 31 13 13-0036 VLF 4" Diameter, Grout Fill For Post Hole.....	12.34	
32 31 13 13-0037 VLF 6" Diameter, Grout Fill For Post Hole.....	17.44	
32 31 13 13-0038 VLF 8" Diameter, Grout Fill For Post Hole.....	23.27	
32 31 13 13-0039 VLF 10" Diameter, Grout Fill For Post Hole.....	28.47	
32 31 13 13-0040 VLF 12" Diameter, Grout Fill For Post Hole.....	33.24	
32 31 13 13-0041 VLF 18" Diameter, Grout Fill For Post Hole.....	45.38	
32 31 13 13-0042 VLF 24" Diameter, Grout Fill For Post Hole.....	56.40	
32 31 13 13-0043 VLF 30" Diameter, Grout Fill For Post Hole.....	67.15	
32 31 13 13-0044 VLF 36" Diameter, Grout Fill For Post Hole.....	78.32	
32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046 VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	4.69	
32 31 13 13-0047 VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	6.11	
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	6.39	
32 31 13 13-0049 VLF 4" Diameter, Compacted Earth Fill For Post Hole.....	6.57	
32 31 13 13-0050 VLF 6" Diameter, Compacted Earth Fill For Post Hole.....	8.79	
32 31 13 13-0051 VLF 8" Diameter, Compacted Earth Fill For Post Hole.....	11.71	
32 31 13 13-0052 VLF 10" Diameter, Compacted Earth Fill For Post Hole.....	14.06	
32 31 13 13-0053 VLF 12" Diameter, Compacted Earth Fill For Post Hole.....	15.94	
32 31 13 13-0054 VLF 18" Diameter, Compacted Earth Fill For Post Hole.....	19.42	
32 31 13 13-0055 VLF 24" Diameter, Compacted Earth Fill For Post Hole.....	21.80	
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	23.91	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	25.78	
32 31 13 13-0058 Fence Posts (32 31 13 13)		
Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts (32 31 13 13-0058)		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 13-0059)		
Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	21.12	3.40
For Each Top Rail Fitting, Add		0.85
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length.....	20.15	2.90
For Each Top Rail Fitting, Add		0.85
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length.....	18.97	2.39
For Each Top Rail Fitting, Add		0.85
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length.....	18.03	1.89
For Each Top Rail Fitting, Add		0.85

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	17.39	1.63
		<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	16.41	1.13
		<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0067		Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) <small>(32 31 13 13-0059)</small>		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.48	3.14
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.05	
		<i>For Vinyl Coated, Add</i>	4.91	
		<i>For Powder Coated, Add</i>	6.54	
		<i>For Aluminum Coated, Add</i>	10.23	
		<i>For Schedule 20, Deduct</i>	-1.64	
		<i>For Schedule 80, Add</i>	4.56	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.42	2.64
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.03	
		<i>For Vinyl Coated, Add</i>	4.86	
		<i>For Powder Coated, Add</i>	6.48	
		<i>For Aluminum Coated, Add</i>	10.13	
		<i>For Schedule 20, Deduct</i>	-1.62	
		<i>For Schedule 80, Add</i>	4.42	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.31	2.14
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.02	
		<i>For Vinyl Coated, Add</i>	4.84	
		<i>For Powder Coated, Add</i>	6.45	
		<i>For Aluminum Coated, Add</i>	10.08	
		<i>For Schedule 20, Deduct</i>	-1.61	
		<i>For Schedule 80, Add</i>	4.29	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.44	1.63
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.01	
		<i>For Vinyl Coated, Add</i>	4.82	
		<i>For Powder Coated, Add</i>	6.43	
		<i>For Aluminum Coated, Add</i>	10.05	
		<i>For Schedule 20, Deduct</i>	-1.61	
		<i>For Schedule 80, Add</i>	4.20	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.87	1.39
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.01	
		<i>For Vinyl Coated, Add</i>	4.82	
		<i>For Powder Coated, Add</i>	6.42	
		<i>For Aluminum Coated, Add</i>	10.04	
		<i>For Schedule 20, Deduct</i>	-1.61	
		<i>For Schedule 80, Add</i>	4.14	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.26	1.13
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.01	
		<i>For Vinyl Coated, Add</i>	4.82	
		<i>For Powder Coated, Add</i>	6.42	
		<i>For Aluminum Coated, Add</i>	10.04	
		<i>For Schedule 20, Deduct</i>	-1.61	
		<i>For Schedule 80, Add</i>	4.08	
32 31 13 13-0074		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) <small>(32 31 13 13-0059)</small>		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	16.52	3.28
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.50	
		<i>For Vinyl Coated, Add</i>	6.01	
		<i>For Powder Coated, Add</i>	8.01	
		<i>For Aluminum Coated, Add</i>	12.51	
		<i>For Schedule 20, Deduct</i>	-2.00	
		<i>For Schedule 80, Add</i>	5.46	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0076 LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	15.54	2.77
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.48	
For Vinyl Coated, Add	5.94	
For Powder Coated, Add	7.92	
For Aluminum Coated, Add	12.38	
For Schedule 20, Deduct	-1.98	
For Schedule 80, Add	5.32	
32 31 13 13-0077 LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	14.35	2.27
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
For Vinyl Coated, Add	5.91	
For Powder Coated, Add	7.88	
For Aluminum Coated, Add	12.31	
For Schedule 20, Deduct	-1.97	
For Schedule 80, Add	5.18	
32 31 13 13-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.42	1.77
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
For Vinyl Coated, Add	5.89	
For Powder Coated, Add	7.86	
For Aluminum Coated, Add	12.28	
For Schedule 20, Deduct	-1.96	
For Schedule 80, Add	5.07	
32 31 13 13-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.81	1.51
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.45	
For Vinyl Coated, Add	5.89	
For Powder Coated, Add	7.85	
For Aluminum Coated, Add	12.26	
For Schedule 20, Deduct	-1.96	
For Schedule 80, Add	5.01	
32 31 13 13-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length	12.25	1.26
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.45	
For Vinyl Coated, Add	5.89	
For Powder Coated, Add	7.85	
For Aluminum Coated, Add	12.26	
For Schedule 20, Deduct	-1.96	
For Schedule 80, Add	4.95	
32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) <small>(32 31 13 13-0059)</small>		
Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	20.11	3.52
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.31	
For Vinyl Coated, Add	7.94	
For Powder Coated, Add	10.59	
For Aluminum Coated, Add	16.55	
For Schedule 20, Deduct	-2.65	
For Schedule 80, Add	7.04	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	19.03	3.02
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.28	
For Vinyl Coated, Add	7.88	
For Powder Coated, Add	10.50	
For Aluminum Coated, Add	16.41	
For Schedule 20, Deduct	-2.63	
For Schedule 80, Add	6.89	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	17.79	2.39
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.27	
For Vinyl Coated, Add	7.84	
For Powder Coated, Add	10.46	
For Aluminum Coated, Add	16.34	
For Schedule 20, Deduct	-2.61	
For Schedule 80, Add	6.75	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	16.82	1.89
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.26	
		<i>For Vinyl Coated, Add</i>	7.82	
		<i>For Powder Coated, Add</i>	10.43	
		<i>For Aluminum Coated, Add</i>	16.30	
		<i>For Schedule 20, Deduct</i>	-2.61	
		<i>For Schedule 80, Add</i>	6.64	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	16.16	1.63
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.26	
		<i>For Vinyl Coated, Add</i>	7.81	
		<i>For Powder Coated, Add</i>	10.42	
		<i>For Aluminum Coated, Add</i>	16.28	
		<i>For Schedule 20, Deduct</i>	-2.60	
		<i>For Schedule 80, Add</i>	6.56	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	15.57	1.26
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.26	
		<i>For Vinyl Coated, Add</i>	7.81	
		<i>For Powder Coated, Add</i>	10.42	
		<i>For Aluminum Coated, Add</i>	16.28	
		<i>For Schedule 20, Deduct</i>	-2.60	
		<i>For Schedule 80, Add</i>	6.50	
32 31 13 13-0088		Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) <small>(32 31 13 13-0059)</small>		
		Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	27.53	3.78
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.99	
		<i>For Vinyl Coated, Add</i>	11.98	
		<i>For Powder Coated, Add</i>	15.98	
		<i>For Aluminum Coated, Add</i>	24.96	
		<i>For Schedule 20, Deduct</i>	-3.99	
		<i>For Schedule 80, Add</i>	10.34	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	26.24	3.28
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.93	
		<i>For Vinyl Coated, Add</i>	11.84	
		<i>For Powder Coated, Add</i>	15.78	
		<i>For Aluminum Coated, Add</i>	24.66	
		<i>For Schedule 20, Deduct</i>	-3.95	
		<i>For Schedule 80, Add</i>	10.12	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	24.85	2.64
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.90	
		<i>For Vinyl Coated, Add</i>	11.76	
		<i>For Powder Coated, Add</i>	15.68	
		<i>For Aluminum Coated, Add</i>	24.50	
		<i>For Schedule 20, Deduct</i>	-3.92	
		<i>For Schedule 80, Add</i>	9.93	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	23.73	2.14
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.89	
		<i>For Vinyl Coated, Add</i>	11.72	
		<i>For Powder Coated, Add</i>	15.63	
		<i>For Aluminum Coated, Add</i>	24.43	
		<i>For Schedule 20, Deduct</i>	-3.91	
		<i>For Schedule 80, Add</i>	9.80	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	23.01	1.77
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.88	
		<i>For Vinyl Coated, Add</i>	11.71	
		<i>For Powder Coated, Add</i>	15.61	
		<i>For Aluminum Coated, Add</i>	24.39	
		<i>For Schedule 20, Deduct</i>	-3.90	
		<i>For Schedule 80, Add</i>	9.71	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length.....	22.34	1.39
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.88	
For Vinyl Coated, Add	11.70	
For Powder Coated, Add	15.60	
For Aluminum Coated, Add	24.38	
For Schedule 20, Deduct	-3.90	
For Schedule 80, Add	9.64	
32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) (32 31 13 13-0059)		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	40.52	4.03
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.14	
For Vinyl Coated, Add	19.54	
For Powder Coated, Add	26.06	
For Aluminum Coated, Add	40.71	
For Schedule 20, Deduct	-6.51	
For Schedule 80, Add	16.43	
32 31 13 13-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	38.75	3.28
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.03	
For Vinyl Coated, Add	19.27	
For Powder Coated, Add	25.70	
For Aluminum Coated, Add	40.15	
For Schedule 20, Deduct	-6.42	
For Schedule 80, Add	16.08	
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	37.42	2.77
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.98	
For Vinyl Coated, Add	19.14	
For Powder Coated, Add	25.52	
For Aluminum Coated, Add	39.88	
For Schedule 20, Deduct	-6.38	
For Schedule 80, Add	15.86	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	36.22	2.27
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.95	
For Vinyl Coated, Add	19.07	
For Powder Coated, Add	25.43	
For Aluminum Coated, Add	39.74	
For Schedule 20, Deduct	-6.36	
For Schedule 80, Add	15.70	
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	36.15	2.27
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.93	
For Vinyl Coated, Add	19.04	
For Powder Coated, Add	25.38	
For Aluminum Coated, Add	39.66	
For Schedule 20, Deduct	-6.35	
For Schedule 80, Add	15.67	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	34.86	1.63
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.93	
For Vinyl Coated, Add	19.03	
For Powder Coated, Add	25.38	
For Aluminum Coated, Add	39.65	
For Schedule 20, Deduct	-6.34	
For Schedule 80, Add	15.54	
32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0059)		
Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	79.76	4.41
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	17.73	
For Vinyl Coated, Add	42.55	
For Powder Coated, Add	56.74	
For Aluminum Coated, Add	88.65	
For Schedule 20, Deduct	-14.18	
For Schedule 80, Add	34.93	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	76.63	3.66
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	17.31	
For Vinyl Coated, Add	41.54	
For Powder Coated, Add	55.38	
For Aluminum Coated, Add	86.54	
For Schedule 20, Deduct	-13.85	
For Schedule 80, Add	33.97	
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	74.53	3.02
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	17.10	
For Vinyl Coated, Add	41.03	
For Powder Coated, Add	54.71	
For Aluminum Coated, Add	85.49	
For Schedule 20, Deduct	-13.68	
For Schedule 80, Add	33.44	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	72.87	2.39
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.99	
For Vinyl Coated, Add	40.78	
For Powder Coated, Add	54.37	
For Aluminum Coated, Add	84.95	
For Schedule 20, Deduct	-13.59	
For Schedule 80, Add	33.11	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	71.94	2.14
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.94	
For Vinyl Coated, Add	40.65	
For Powder Coated, Add	54.20	
For Aluminum Coated, Add	84.69	
For Schedule 20, Deduct	-13.55	
For Schedule 80, Add	32.94	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	71.21	1.77
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.93	
For Vinyl Coated, Add	40.63	
For Powder Coated, Add	54.17	
For Aluminum Coated, Add	84.64	
For Schedule 20, Deduct	-13.54	
For Schedule 80, Add	32.85	
32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)		
Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110 LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	154.87	4.91
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	36.27	
For Vinyl Coated, Add	87.04	
For Powder Coated, Add	116.05	
For Aluminum Coated, Add	181.33	
For Schedule 20, Deduct	-29.01	
For Schedule 80, Add	70.61	
32 31 13 13-0111 LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	149.91	4.16
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	35.43	
For Vinyl Coated, Add	85.02	
For Powder Coated, Add	113.36	
For Aluminum Coated, Add	177.13	
For Schedule 20, Deduct	-28.34	
For Schedule 80, Add	68.84	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0112 LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	146.83	3.40
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	35.01	
For Vinyl Coated, Add	84.01	
For Powder Coated, Add	112.02	
For Aluminum Coated, Add	175.03	
For Schedule 20, Deduct	-28.00	
For Schedule 80, Add	67.89	
32 31 13 13-0113 LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	144.58	2.64
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	34.80	
For Vinyl Coated, Add	83.51	
For Powder Coated, Add	111.34	
For Aluminum Coated, Add	173.98	
For Schedule 20, Deduct	-27.84	
For Schedule 80, Add	67.35	
32 31 13 13-0114 LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	143.42	2.27
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	34.69	
For Vinyl Coated, Add	83.26	
For Powder Coated, Add	111.01	
For Aluminum Coated, Add	173.45	
For Schedule 20, Deduct	-27.75	
For Schedule 80, Add	67.07	
32 31 13 13-0115 LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	142.57	1.89
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	34.67	
For Vinyl Coated, Add	83.21	
For Powder Coated, Add	110.94	
For Aluminum Coated, Add	173.35	
For Schedule 20, Deduct	-27.74	
For Schedule 80, Add	66.96	
32 31 13 13-0116 Driven Post Supports (32 31 13 13)		
Note: OZ-Post.		
32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts (32 31 13 13-0116)		
32 31 13 13-0118 EA 26" Driven Post Support For 1-5/8" Round Chain Link Fence Post.....	78.59	
Note: OZ-Post GB-700.		
32 31 13 13-0119 EA 26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post.....	78.59	
Note: OZ-Post HB-700.		
32 31 13 13-0120 EA 26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	80.62	
Note: OZ-Post IS-600.		
32 31 13 13-0121 EA 32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	96.90	
Note: OZ-Post ISW-850.		
32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts (32 31 13 13-0116)		
32 31 13 13-0123 EA 34" Driven Post Support For 1-3/4" Square Ornamental Fence Post.....	90.81	
Note: OZ-Post C175-850.		
32 31 13 13-0124 EA 24" Driven Post Support For 2" Square Ornamental Fence Post.....	87.76	
Note: OZ-Post I2-600.		
32 31 13 13-0125 EA 34" Driven Post Support For 2" Square Ornamental Fence Post.....	91.42	
Note: OZ-Post I2-850.		
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post.....	96.90	
Note: OZ-Post I25-850.		
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post.....	96.90	
Note: OZ-Post I3-850.		
32 31 13 13-0128 Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	89.42	
Note: OZ-Post T4-600.		
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	93.85	
Note: OZ-Post T4-850.		
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post.....	100.97	
Note: OZ-Post C4-850.		
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post.....	100.97	
Note: OZ-Post P4-850.		
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post.....	114.18	
Note: OZ-Post T46-850.		
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post.....	123.52	
Note: OZ-Post T6-850.		
32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	89.42	
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	93.85	
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	100.97	
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	102.59	
32 31 13 13-0140 Chain Link Fence Assemblies (32 31 13 13)		
32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13-0140) Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0665 for barb wire attachments.		
32 31 13 13-0142 Galvanized (32 31 13 13-0141)		
32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	41.19	4.28
32 31 13 13-0144 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	42.79	4.28
32 31 13 13-0145 LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	44.22	4.28



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0146 LF 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....47.55		4.28
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.27	
<i>For 13 Gauge Fabric, Deduct</i>	-10.32	
<i>For 11 Gauge Fabric, Deduct</i>	-6.03	
<i>For 6 Gauge Fabric, Add</i>	9.47	
<i>For 1" Mesh Fabric, Add</i>	12.92	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.17	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.58	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.44	
<i>For Posts 8' On Centers, Add</i>	2.59	
<i>For Posts 5' On Centers, Add</i>	9.72	
<i>For Up To 100, Add</i>	8.92	
<i>For >100 To 250, Add</i>	3.27	
<i>For >2,500 To 5,000, Deduct</i>	-1.64	
<i>For >5,000, Deduct</i>	-3.27	
<i>For 3/8" Non-Climbable Mesh, Add</i>	49.82	
32 31 13 13-0147 LF 6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....51.49		4.28
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.53	
<i>For 13 Gauge Fabric, Deduct</i>	-11.29	
<i>For 11 Gauge Fabric, Deduct</i>	-6.59	
<i>For 6 Gauge Fabric, Add</i>	10.36	
<i>For 1" Mesh Fabric, Add</i>	14.13	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.65	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.83	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.77	
<i>For Posts 8' On Centers, Add</i>	2.80	
<i>For Posts 5' On Centers, Add</i>	10.50	
<i>For Up To 100, Add</i>	9.62	
<i>For >100 To 250, Add</i>	3.53	
<i>For >2,500 To 5,000, Deduct</i>	-1.76	
<i>For >5,000, Deduct</i>	-3.53	
<i>For 3/8" Non-Climbable Mesh, Add</i>	58.64	
32 31 13 13-0148 LF 7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....53.43		6.42
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.66	
<i>For 13 Gauge Fabric, Deduct</i>	-11.71	
<i>For 11 Gauge Fabric, Deduct</i>	-6.84	
<i>For 6 Gauge Fabric, Add</i>	10.75	
<i>For 1" Mesh Fabric, Add</i>	14.66	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.86	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.93	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.91	
<i>For Posts 8' On Centers, Add</i>	2.91	
<i>For Posts 5' On Centers, Add</i>	10.90	
<i>For Up To 100, Add</i>	9.99	
<i>For >100 To 250, Add</i>	3.66	
<i>For >2,500 To 5,000, Deduct</i>	-1.83	
<i>For >5,000, Deduct</i>	-3.66	
<i>For 3/8" Non-Climbable Mesh, Add</i>	67.61	
32 31 13 13-0149 LF 8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....60.61		7.49
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.08	
<i>For 13 Gauge Fabric, Deduct</i>	-13.76	
<i>For 11 Gauge Fabric, Deduct</i>	-8.04	
<i>For 6 Gauge Fabric, Add</i>	12.63	
<i>For 1" Mesh Fabric, Add</i>	17.23	
<i>For 1-3/4" Mesh Fabric, Add</i>	6.89	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.45	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.59	
<i>For Posts 8' On Centers, Add</i>	3.28	
<i>For Posts 5' On Centers, Add</i>	12.28	
<i>For Up To 100, Add</i>	11.19	
<i>For >100 To 250, Add</i>	4.08	
<i>For >2,500 To 5,000, Deduct</i>	-2.04	
<i>For >5,000, Deduct</i>	-4.08	
<i>For 3/8" Non-Climbable Mesh, Add</i>	76.68	
32 31 13 13-0150 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....64.64		9.63
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.33	
<i>For 13 Gauge Fabric, Deduct</i>	-14.81	
<i>For 11 Gauge Fabric, Deduct</i>	-8.65	
<i>For 6 Gauge Fabric, Add</i>	13.60	
<i>For 1" Mesh Fabric, Add</i>	18.54	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.42	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.71	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.95	
<i>For Posts 8' On Centers, Add</i>	3.50	
<i>For Posts 5' On Centers, Add</i>	13.07	
<i>For Up To 100, Add</i>	11.90	
<i>For >100 To 250, Add</i>	4.33	
<i>For >2,500 To 5,000, Deduct</i>	-2.17	
<i>For >5,000, Deduct</i>	-4.33	
<i>For 3/8" Non-Climbable Mesh, Add</i>	84.57	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0151 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	68.67	10.70
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	4.58	
For 13 Gauge Fabric, Deduct	-15.86	
For 11 Gauge Fabric, Deduct	-9.27	
For 6 Gauge Fabric, Add	14.56	
For 1" Mesh Fabric, Add	19.86	
For 1-3/4" Mesh Fabric, Add	7.94	
For 2-1/8" Mesh Fabric, Deduct	-3.97	
For 2-3/8" Mesh Fabric, Deduct	-5.30	
For Posts 8' On Centers, Add	3.71	
For Posts 5' On Centers, Add	13.86	
For Up To 100, Add	12.60	
For >100 To 250, Add	4.58	
For >2,500 To 5,000, Deduct	-2.29	
For >5,000, Deduct	-4.58	
For 3/8" Non-Climbable Mesh, Add	92.72	
32 31 13 13-0152 LF 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	76.24	12.84
For Each Additional Foot >12, Add	4.25	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	5.06	
For 13 Gauge Fabric, Deduct	-17.82	
For 11 Gauge Fabric, Deduct	-10.41	
For 6 Gauge Fabric, Add	16.36	
For 1" Mesh Fabric, Add	22.31	
For 1-3/4" Mesh Fabric, Add	8.92	
For 2-1/8" Mesh Fabric, Deduct	-4.46	
For 2-3/8" Mesh Fabric, Deduct	-5.95	
For Posts 8' On Centers, Add	4.11	
For Posts 5' On Centers, Add	15.34	
For Up To 100, Add	13.93	
For >100 To 250, Add	5.06	
For >2,500 To 5,000, Deduct	-2.53	
For >5,000, Deduct	-5.06	
For 3/8" Non-Climbable Mesh, Add	100.56	
32 31 13 13-0153 Vinyl Coated (32 31 13 13-0141)		
32 31 13 13-0154 LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	45.79	4.28
For Powder Coated Framework (Posts, Rails, Hardware), Add	4.27	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.15	
For 13 Gauge Fabric, Deduct	-9.90	
For 11 Gauge Fabric, Deduct	-5.78	
For 6 Gauge Fabric, Add	9.09	
For 1" Mesh Fabric, Add	12.39	
For 1-3/4" Mesh Fabric, Add	4.96	
For 2-1/8" Mesh Fabric, Deduct	-2.48	
For 2-3/8" Mesh Fabric, Deduct	-3.30	
For Posts 8' On Centers, Add	2.50	
For Posts 5' On Centers, Add	9.37	
For Up To 100, Add	8.60	
For >100 To 250, Add	3.15	
For >2,500 To 5,000, Deduct	-1.58	
For >5,000, Deduct	-3.15	
For 3/8" Non-Climbable Mesh, Add	46.00	
32 31 13 13-0155 LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	49.52	4.28
For Powder Coated Framework (Posts, Rails, Hardware), Add	4.75	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.37	
For 13 Gauge Fabric, Deduct	-11.00	
For 11 Gauge Fabric, Deduct	-6.43	
For 6 Gauge Fabric, Add	10.10	
For 1" Mesh Fabric, Add	13.77	
For 1-3/4" Mesh Fabric, Add	5.51	
For 2-1/8" Mesh Fabric, Deduct	-2.75	
For 2-3/8" Mesh Fabric, Deduct	-3.67	
For Posts 8' On Centers, Add	2.69	
For Posts 5' On Centers, Add	10.07	
For Up To 100, Add	9.21	
For >100 To 250, Add	3.37	
For >2,500 To 5,000, Deduct	-1.68	
For >5,000, Deduct	-3.37	
For 3/8" Non-Climbable Mesh, Add	56.01	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0156 LF 6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.50	4.28
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.47	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.73	
<i>For 13 Gauge Fabric, Deduct</i>	-12.68	
<i>For 11 Gauge Fabric, Deduct</i>	-7.41	
<i>For 6 Gauge Fabric, Add</i>	11.64	
<i>For 1" Mesh Fabric, Add</i>	15.87	
<i>For 1-3/4" Mesh Fabric, Add</i>	6.35	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.17	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.23	
<i>For Posts 8' On Centers, Add</i>	3.00	
<i>For Posts 5' On Centers, Add</i>	11.23	
<i>For Up To 100, Add</i>	10.23	
<i>For >100 To 250, Add</i>	3.73	
<i>For >2,500 To 5,000, Deduct</i>	-1.86	
<i>For >5,000, Deduct</i>	-3.73	
<i>For 3/8" Non-Climbable Mesh, Add</i>	66.06	
32 31 13 13-0157 LF 7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	58.09	6.42
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.75	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.89	
<i>For 13 Gauge Fabric, Deduct</i>	-13.33	
<i>For 11 Gauge Fabric, Deduct</i>	-7.79	
<i>For 6 Gauge Fabric, Add</i>	12.24	
<i>For 1" Mesh Fabric, Add</i>	16.69	
<i>For 1-3/4" Mesh Fabric, Add</i>	6.67	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.34	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.45	
<i>For Posts 8' On Centers, Add</i>	3.14	
<i>For Posts 5' On Centers, Add</i>	11.74	
<i>For Up To 100, Add</i>	10.69	
<i>For >100 To 250, Add</i>	3.89	
<i>For >2,500 To 5,000, Deduct</i>	-1.95	
<i>For >5,000, Deduct</i>	-3.89	
<i>For 3/8" Non-Climbable Mesh, Add</i>	76.28	
32 31 13 13-0158 LF 8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	66.03	7.49
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	6.75	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.35	
<i>For 13 Gauge Fabric, Deduct</i>	-15.64	
<i>For 11 Gauge Fabric, Deduct</i>	-9.14	
<i>For 6 Gauge Fabric, Add</i>	14.36	
<i>For 1" Mesh Fabric, Add</i>	19.58	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.83	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.92	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.22	
<i>For Posts 8' On Centers, Add</i>	3.55	
<i>For Posts 5' On Centers, Add</i>	13.25	
<i>For Up To 100, Add</i>	12.01	
<i>For >100 To 250, Add</i>	4.35	
<i>For >2,500 To 5,000, Deduct</i>	-2.18	
<i>For >5,000, Deduct</i>	-4.35	
<i>For 3/8" Non-Climbable Mesh, Add</i>	86.58	
32 31 13 13-0159 LF 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	70.46	9.63
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.27	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.62	
<i>For 13 Gauge Fabric, Deduct</i>	-16.84	
<i>For 11 Gauge Fabric, Deduct</i>	-9.84	
<i>For 6 Gauge Fabric, Add</i>	15.46	
<i>For 1" Mesh Fabric, Add</i>	21.08	
<i>For 1-3/4" Mesh Fabric, Add</i>	8.43	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.22	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.62	
<i>For Posts 8' On Centers, Add</i>	3.79	
<i>For Posts 5' On Centers, Add</i>	14.11	
<i>For Up To 100, Add</i>	12.77	
<i>For >100 To 250, Add</i>	4.62	
<i>For >2,500 To 5,000, Deduct</i>	-2.31	
<i>For >5,000, Deduct</i>	-4.62	
<i>For 3/8" Non-Climbable Mesh, Add</i>	95.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	74.89	10.70
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.78	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.90	
		<i>For 13 Gauge Fabric, Deduct</i>	-18.02	
		<i>For 11 Gauge Fabric, Deduct</i>	-10.53	
		<i>For 6 Gauge Fabric, Add</i>	16.55	
		<i>For 1" Mesh Fabric, Add</i>	22.56	
		<i>For 1-3/4" Mesh Fabric, Add</i>	9.03	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.51	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.02	
		<i>For Posts 8' On Centers, Add</i>	4.02	
		<i>For Posts 5' On Centers, Add</i>	14.98	
		<i>For Up To 100, Add</i>	13.54	
		<i>For >100 To 250, Add</i>	4.90	
		<i>For >2,500 To 5,000, Deduct</i>	-2.45	
		<i>For >5,000, Deduct</i>	-4.90	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	104.86	
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	81.71	12.84
		<i>For Each Additional Foot >12, Add</i>	4.50	
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	8.51	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.33	
		<i>For 13 Gauge Fabric, Deduct</i>	-19.72	
		<i>For 11 Gauge Fabric, Deduct</i>	-11.52	
		<i>For 6 Gauge Fabric, Add</i>	18.11	
		<i>For 1" Mesh Fabric, Add</i>	24.69	
		<i>For 1-3/4" Mesh Fabric, Add</i>	9.88	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.94	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.58	
		<i>For Posts 8' On Centers, Add</i>	4.38	
		<i>For Posts 5' On Centers, Add</i>	16.33	
		<i>For Up To 100, Add</i>	14.75	
		<i>For >100 To 250, Add</i>	5.33	
		<i>For >2,500 To 5,000, Deduct</i>	-2.67	
		<i>For >5,000, Deduct</i>	-5.33	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	113.72	
32 31 13 13-0162		Rails <small>(32 31 13 13)</small>		
		Note: Includes rail end fittings.		
32 31 13 13-0163		SS-20 Chain Link Fence Rails <small>(32 31 13 13-0162)</small>		
		Note: Includes tie wires.		
32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	7.47	1.39
		<i>For SS15, Deduct</i>	-0.46	
		<i>For SS40, Add</i>	1.14	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	9.00	1.39
		<i>For SS40, Add</i>	0.61	
		<i>For Powder Coated, Add</i>	1.22	
		<i>For Aluminum Coated, Add</i>	2.44	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	9.23	1.58
		<i>For SS15, Deduct</i>	-0.61	
		<i>For SS40, Add</i>	1.52	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	11.28	1.58
		<i>For SS40, Add</i>	0.81	
		<i>For Powder Coated, Add</i>	1.63	
		<i>For Aluminum Coated, Add</i>	3.26	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	10.82	1.77
		<i>For SS40, Add</i>	1.83	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	13.29	1.77
		<i>For SS40, Add</i>	0.98	
		<i>For Powder Coated, Add</i>	1.95	
		<i>For Aluminum Coated, Add</i>	3.91	
32 31 13 13-0170		Fabric <small>(32 31 13 13)</small>		
32 31 13 13-0171		Fabric, Galvanized Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0172	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.04	2.52
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.08	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.96	
		<i>For 13 Gauge Fabric, Deduct</i>	-1.73	
		<i>For 11 Gauge Fabric, Deduct</i>	-0.96	
		<i>For 6 Gauge Fabric, Add</i>	3.08	
		<i>For 1" Mesh Fabric, Add</i>	2.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.93	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.16	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.58	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.77	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	32.93	



	Exterior Improvements	32
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0173 LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.30	2.83
For 1-1/4" Mesh Fabric, Add	1.26	
For 2 Oz Galvanized Or Zinc Coating, Add	1.12	
For 13 Gauge Fabric, Deduct	-2.02	
For 11 Gauge Fabric, Deduct	-1.12	
For 6 Gauge Fabric, Add	3.59	
For 1" Mesh Fabric, Add	3.37	
For 1-1/4" Mesh Fabric, Add	2.25	
For 1-3/4" Mesh Fabric, Add	1.35	
For 2-1/8" Mesh Fabric, Deduct	-0.67	
For 2-3/8" Mesh Fabric, Deduct	-0.90	
For 3/8" Non-Climbable Mesh, Add	37.67	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	14.38	3.14
For 1-1/4" Mesh Fabric, Add	1.38	
For 2 Oz Galvanized Or Zinc Coating, Add	1.24	
For 13 Gauge Fabric, Deduct	-2.22	
For 11 Gauge Fabric, Deduct	-1.24	
For 6 Gauge Fabric, Add	3.95	
For 1" Mesh Fabric, Add	3.71	
For 1-1/4" Mesh Fabric, Add	2.47	
For 1-3/4" Mesh Fabric, Add	1.48	
For 2-1/8" Mesh Fabric, Deduct	-0.74	
For 2-3/8" Mesh Fabric, Deduct	-0.99	
For 3/8" Non-Climbable Mesh, Add	42.46	
32 31 13 13-0175 LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	16.24	3.78
For 1-1/4" Mesh Fabric, Add	1.72	
For 2 Oz Galvanized Or Zinc Coating, Add	1.54	
For 13 Gauge Fabric, Deduct	-2.77	
For 11 Gauge Fabric, Deduct	-1.54	
For 6 Gauge Fabric, Add	4.93	
For 1" Mesh Fabric, Add	4.62	
For 1-1/4" Mesh Fabric, Add	3.08	
For 1-3/4" Mesh Fabric, Add	1.85	
For 2-1/8" Mesh Fabric, Deduct	-0.92	
For 2-3/8" Mesh Fabric, Deduct	-1.23	
For 3/8" Non-Climbable Mesh, Add	51.33	
32 31 13 13-0176 LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	18.19	4.41
For 1-1/4" Mesh Fabric, Add	2.07	
For 2 Oz Galvanized Or Zinc Coating, Add	1.85	
For 13 Gauge Fabric, Deduct	-3.33	
For 11 Gauge Fabric, Deduct	-1.85	
For 6 Gauge Fabric, Add	5.92	
For 1" Mesh Fabric, Add	5.55	
For 1-1/4" Mesh Fabric, Add	3.70	
For 1-3/4" Mesh Fabric, Add	2.22	
For 2-1/8" Mesh Fabric, Deduct	-1.11	
For 2-3/8" Mesh Fabric, Deduct	-1.48	
For 3/8" Non-Climbable Mesh, Add	60.27	
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	20.23	5.03
For 1-1/4" Mesh Fabric, Add	2.41	
For 2 Oz Galvanized Or Zinc Coating, Add	2.15	
For 13 Gauge Fabric, Deduct	-3.87	
For 11 Gauge Fabric, Deduct	-2.15	
For 6 Gauge Fabric, Add	6.89	
For 1" Mesh Fabric, Add	6.46	
For 1-1/4" Mesh Fabric, Add	4.31	
For 1-3/4" Mesh Fabric, Add	2.58	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.72	
For 3/8" Non-Climbable Mesh, Add	69.35	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	22.44	6.30
For 1-1/4" Mesh Fabric, Add	2.76	
For 2 Oz Galvanized Or Zinc Coating, Add	2.46	
For 13 Gauge Fabric, Deduct	-4.43	
For 11 Gauge Fabric, Deduct	-2.46	
For 6 Gauge Fabric, Add	7.88	
For 1" Mesh Fabric, Add	7.39	
For 1-1/4" Mesh Fabric, Add	4.93	
For 1-3/4" Mesh Fabric, Add	2.96	
For 2-1/8" Mesh Fabric, Deduct	-1.48	
For 2-3/8" Mesh Fabric, Deduct	-1.97	
For 3/8" Non-Climbable Mesh, Add	78.58	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	26.70	6.92
For 1-1/4" Mesh Fabric, Add	3.58	
For 2 Oz Galvanized Or Zinc Coating, Add	3.20	
For 13 Gauge Fabric, Deduct	-5.76	
For 11 Gauge Fabric, Deduct	-3.20	
For 6 Gauge Fabric, Add	10.24	
For 1" Mesh Fabric, Add	9.60	
For 1-1/4" Mesh Fabric, Add	6.40	
For 1-3/4" Mesh Fabric, Add	3.84	
For 2-1/8" Mesh Fabric, Deduct	-1.92	
For 2-3/8" Mesh Fabric, Deduct	-2.56	
For 3/8" Non-Climbable Mesh, Add	94.81	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	30.45	7.56
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.30	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.84	
		<i>For 13 Gauge Fabric, Deduct</i>	-6.90	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.84	
		<i>For 6 Gauge Fabric, Add</i>	12.27	
		<i>For 1" Mesh Fabric, Add</i>	11.51	
		<i>For 1-1/4" Mesh Fabric, Add</i>	7.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.60	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.30	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.07	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	102.82	
32 31 13 13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	34.11	8.81
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.61	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	4.12	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.42	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.12	
		<i>For 6 Gauge Fabric, Add</i>	13.18	
		<i>For 1" Mesh Fabric, Add</i>	12.36	
		<i>For 1-1/4" Mesh Fabric, Add</i>	8.24	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.94	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.47	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.30	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	112.17	
32 31 13 13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	37.76	10.08
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.93	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	4.40	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.92	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.40	
		<i>For 6 Gauge Fabric, Add</i>	14.09	
		<i>For 1" Mesh Fabric, Add</i>	13.21	
		<i>For 1-1/4" Mesh Fabric, Add</i>	8.81	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.64	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.52	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	121.51	
32 31 13 13-0183		Fabric, Vinyl Coated Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0184	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.94	2.52
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.82	
		<i>For 13 Gauge Fabric, Deduct</i>	-2.93	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.63	
		<i>For 6 Gauge Fabric, Add</i>	5.20	
		<i>For 1" Mesh Fabric, Add</i>	4.88	
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.95	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.98	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.30	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	47.41	
		<i>For Aluminum Coated, Add</i>	2.60	
32 31 13 13-0185	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.21	3.78
		<i>For 1-1/4" Mesh Fabric, Add</i>	2.28	
		<i>For 13 Gauge Fabric, Deduct</i>	-3.66	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.03	
		<i>For 6 Gauge Fabric, Add</i>	6.50	
		<i>For 1" Mesh Fabric, Add</i>	6.10	
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.07	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.44	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.22	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.63	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	57.52	
		<i>For Aluminum Coated, Add</i>	3.25	
32 31 13 13-0186	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.19	4.41
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.19	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.13	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.85	
		<i>For 6 Gauge Fabric, Add</i>	9.12	
		<i>For 1" Mesh Fabric, Add</i>	8.55	
		<i>For 1-1/4" Mesh Fabric, Add</i>	5.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.42	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.71	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.28	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	67.69	
		<i>For Aluminum Coated, Add</i>	4.56	
32 31 13 13-0187	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.89	5.03
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.72	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.97	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.32	
		<i>For 6 Gauge Fabric, Add</i>	10.62	
		<i>For 1" Mesh Fabric, Add</i>	9.95	
		<i>For 1-1/4" Mesh Fabric, Add</i>	6.64	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.98	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.99	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.65	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	78.02	
		<i>For Aluminum Coated, Add</i>	5.31	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0188 LF 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.87	6.30
For 1-1/4" Mesh Fabric, Add	4.28	
For 13 Gauge Fabric, Deduct	-6.88	
For 11 Gauge Fabric, Deduct	-3.82	
For 6 Gauge Fabric, Add	12.22	
For 1" Mesh Fabric, Add	11.46	
For 1-1/4" Mesh Fabric, Add	7.64	
For 1-3/4" Mesh Fabric, Add	4.58	
For 2-1/8" Mesh Fabric, Deduct	-2.29	
For 2-3/8" Mesh Fabric, Deduct	-3.06	
For 3/8" Non-Climbable Mesh, Add	88.48	
For Aluminum Coated, Add	6.11	
32 31 13 13-0189 LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	32.92	6.92
For 1-1/4" Mesh Fabric, Add	5.33	
For 13 Gauge Fabric, Deduct	-8.56	
For 11 Gauge Fabric, Deduct	-4.76	
For 6 Gauge Fabric, Add	15.22	
For 1" Mesh Fabric, Add	14.27	
For 1-1/4" Mesh Fabric, Add	9.51	
For 1-3/4" Mesh Fabric, Add	5.71	
For 2-1/8" Mesh Fabric, Deduct	-2.85	
For 2-3/8" Mesh Fabric, Deduct	-3.80	
For 3/8" Non-Climbable Mesh, Add	106.95	
For Aluminum Coated, Add	7.61	
32 31 13 13-0190 LF 12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	35.91	7.56
For 1-1/4" Mesh Fabric, Add	5.82	
For 13 Gauge Fabric, Deduct	-9.36	
For 11 Gauge Fabric, Deduct	-5.20	
For 6 Gauge Fabric, Add	16.64	
For 1" Mesh Fabric, Add	15.60	
For 1-1/4" Mesh Fabric, Add	10.40	
For 1-3/4" Mesh Fabric, Add	6.24	
For 2-1/8" Mesh Fabric, Deduct	-3.12	
For 2-3/8" Mesh Fabric, Deduct	-4.16	
For 3/8" Non-Climbable Mesh, Add	115.98	
For Aluminum Coated, Add	8.32	
32 31 13 13-0191 LF 14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	40.53	8.81
For 1-1/4" Mesh Fabric, Add	6.41	
For 13 Gauge Fabric, Deduct	-10.31	
For 11 Gauge Fabric, Deduct	-5.73	
For 6 Gauge Fabric, Add	18.32	
For 1" Mesh Fabric, Add	17.18	
For 1-1/4" Mesh Fabric, Add	11.45	
For 1-3/4" Mesh Fabric, Add	6.87	
For 2-1/8" Mesh Fabric, Deduct	-3.44	
For 2-3/8" Mesh Fabric, Deduct	-4.58	
For 3/8" Non-Climbable Mesh, Add	126.35	
For Aluminum Coated, Add	9.16	
32 31 13 13-0192 LF 16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	45.24	10.08
For 1-1/4" Mesh Fabric, Add	7.03	
For 13 Gauge Fabric, Deduct	-11.29	
For 11 Gauge Fabric, Deduct	-6.27	
For 6 Gauge Fabric, Add	20.07	
For 1" Mesh Fabric, Add	18.82	
For 1-1/4" Mesh Fabric, Add	12.55	
For 1-3/4" Mesh Fabric, Add	7.53	
For 2-1/8" Mesh Fabric, Deduct	-3.76	
For 2-3/8" Mesh Fabric, Deduct	-5.02	
For 3/8" Non-Climbable Mesh, Add	136.71	
For Aluminum Coated, Add	10.04	
32 31 13 13-0193 Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0194 LF 3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.57	2.52
For 6 Gauge Fabric, Add	2.70	
For 1" Mesh Fabric, Add	3.55	
32 31 13 13-0195 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.73	2.83
For 6 Gauge Fabric, Add	3.14	
For 1" Mesh Fabric, Add	4.12	
32 31 13 13-0196 LF 4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.93	3.14
For 6 Gauge Fabric, Add	3.59	
For 1" Mesh Fabric, Add	4.71	
32 31 13 13-0197 LF 5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	15.69	3.78
For 6 Gauge Fabric, Add	4.49	
For 1" Mesh Fabric, Add	5.89	
32 31 13 13-0198 LF 6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	17.50	4.41
For 6 Gauge Fabric, Add	5.37	
For 1" Mesh Fabric, Add	7.05	
32 31 13 13-0199 LF 7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.47	5.03
For 6 Gauge Fabric, Add	6.28	
For 1" Mesh Fabric, Add	8.24	
32 31 13 13-0200 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	21.55	6.30
For 6 Gauge Fabric, Add	7.17	
For 1" Mesh Fabric, Add	9.41	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	25.10 8.96 11.76	6.92
32 31 13	13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	28.55 10.75 14.11	7.56
32 31 13	13-0203		Fabric, All Aluminum Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13	13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.02 7.06 9.27	2.52
32 31 13	13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.11 8.24 10.82	2.83
32 31 13	13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.21 9.42 12.36	3.14
32 31 13	13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	24.79 11.77 15.45	3.78
32 31 13	13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	28.45 14.13 18.54	4.41
32 31 13	13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	32.22 16.48 21.63	5.03
32 31 13	13-0210	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	36.13 18.83 24.72	6.30
32 31 13	13-0211	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	43.33 23.54 30.90	6.92
32 31 13	13-0212	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	50.42 28.25 37.08	7.56
32 31 13	13-0213		Fence Inserts <small>(32 31 13 13-0170)</small>		
			Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13	13-0214		Vinyl Plastic Fence Inserts <small>(32 31 13 13-0213)</small>		
			Note: Assorted colors.		
32 31 13	13-0215	LF	3' High Fence, Vinyl Plastic Fence Insert.....	9.27	
32 31 13	13-0216	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert.....	10.57	
32 31 13	13-0217	LF	4' High Fence, Vinyl Plastic Fence Insert.....	11.66	
32 31 13	13-0218	LF	5' High Fence, Vinyl Plastic Fence Insert.....	14.62	
32 31 13	13-0219	LF	6' High Fence, Vinyl Plastic Fence Insert.....	17.49	
32 31 13	13-0220	LF	7' High Fence, Vinyl Plastic Fence Insert.....	20.45	
32 31 13	13-0221	LF	8' High Fence, Vinyl Plastic Fence Insert.....	23.31	
32 31 13	13-0222	LF	10' High Fence, Vinyl Plastic Fence Insert.....	28.51	
32 31 13	13-0223		Aluminum Fence Inserts <small>(32 31 13 13-0213)</small>		
			Note: Assorted colors.		
32 31 13	13-0224	LF	3' High Fence, Aluminum Fence Insert.....	32.03	
32 31 13	13-0225	LF	3-1/2' High Fence, Aluminum Fence Insert.....	35.12	
32 31 13	13-0226	LF	4' High Fence, Aluminum Fence Insert.....	39.84	
32 31 13	13-0227	LF	5' High Fence, Aluminum Fence Insert.....	49.84	
32 31 13	13-0228	LF	6' High Fence, Aluminum Fence Insert.....	59.81	
32 31 13	13-0229	LF	7' High Fence, Aluminum Fence Insert.....	64.92	
32 31 13	13-0230	LF	8' High Fence, Aluminum Fence Insert.....	79.73	
32 31 13	13-0231	LF	10' High Fence, Aluminum Fence Insert.....	99.35	
32 31 13	13-0232		Redwood Fence Inserts <small>(32 31 13 13-0213)</small>		
32 31 13	13-0233	LF	4' High Fence, Redwood Fence Insert.....	13.60	
32 31 13	13-0234	LF	5' High Fence, Redwood Fence Insert.....	17.21	
32 31 13	13-0235	LF	6' High Fence, Redwood Fence Insert.....	20.66	
32 31 13	13-0236	LF	7' High Fence, Redwood Fence Insert.....	24.04	
32 31 13	13-0237	LF	8' High Fence, Redwood Fence Insert.....	27.52	
32 31 13	13-0238		Diagonal Flexible Polyethylene Inserts <small>(32 31 13 13-0213)</small>		
32 31 13	13-0239	SF	Diagonal Polyethylene Fence Weave.....	3.69	
32 31 13	13-0240		Hedge Link Fence Inserts <small>(32 31 13 13-0213)</small>		
32 31 13	13-0241	LF	3' High Fence, Hedge Link Fence Insert.....	20.05	
32 31 13	13-0242	LF	3-1/2' High Fence, Hedge Link Fence Insert.....	22.84	
32 31 13	13-0243	LF	4' High Fence, Hedge Link Fence Insert.....	26.70	
32 31 13	13-0244	LF	5' High Fence, Hedge Link Fence Insert.....	32.90	
32 31 13	13-0245	LF	6' High Fence, Hedge Link Fence Insert.....	37.57	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0246 LF 7' High Fence, Hedge Link Fence Insert.....	47.61	
32 31 13 13-0247 LF 8' High Fence, Hedge Link Fence Insert.....	54.05	
32 31 13 13-0248 LF 10' High Fence, Hedge Link Fence Insert.....	64.67	
32 31 13 13-0249 LF 12' High Fence, Hedge Link Fence Insert.....	74.19	
32 31 13 13-0250 Fence Windscreen Fabric <small>(32 31 13 13-0170)</small>		
Note: Includes plastic wire clips.		
32 31 13 13-0251 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.24	0.53
For Sewn Boxed Vent (Each), Add	27.98	
For Welded Boxed Vent (Each), Add	13.99	
For 4' x 4' One Color Logo (Each), Add	582.88	
32 31 13 13-0252 Non-Climbable Fabric, Galvanized Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0253 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	32.93	2.52
For 11 Gauge, Deduct	-4.95	
For 10 Gauge, Deduct	-1.98	
For 7 Gauge, Add	2.97	
For 6 Gauge, Add	6.93	
For 1/2" Mesh Fabric, Deduct	-1.24	
For 5/8" Mesh Fabric, Deduct	-2.72	
For 3/4" Mesh Fabric, Deduct	-3.96	
32 31 13 13-0254 LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	37.67	2.83
For 11 Gauge, Deduct	-5.77	
For 10 Gauge, Deduct	-2.31	
For 7 Gauge, Add	3.46	
For 6 Gauge, Add	8.08	
For 1/2" Mesh Fabric, Deduct	-1.44	
For 5/8" Mesh Fabric, Deduct	-3.17	
For 3/4" Mesh Fabric, Deduct	-4.62	
32 31 13 13-0255 LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	42.46	3.14
For 11 Gauge, Deduct	-6.60	
For 10 Gauge, Deduct	-2.64	
For 7 Gauge, Add	3.96	
For 6 Gauge, Add	9.25	
For 1/2" Mesh Fabric, Deduct	-1.65	
For 5/8" Mesh Fabric, Deduct	-3.63	
For 3/4" Mesh Fabric, Deduct	-5.28	
32 31 13 13-0256 LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	51.33	3.78
For 11 Gauge, Deduct	-8.25	
For 10 Gauge, Deduct	-3.30	
For 7 Gauge, Add	4.95	
For 6 Gauge, Add	11.55	
For 1/2" Mesh Fabric, Deduct	-2.06	
For 5/8" Mesh Fabric, Deduct	-4.54	
For 3/4" Mesh Fabric, Deduct	-6.60	
32 31 13 13-0257 LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	60.27	4.41
For 11 Gauge, Deduct	-9.90	
For 10 Gauge, Deduct	-3.96	
For 7 Gauge, Add	5.94	
For 6 Gauge, Add	13.85	
For 1/2" Mesh Fabric, Deduct	-2.47	
For 5/8" Mesh Fabric, Deduct	-5.44	
For 3/4" Mesh Fabric, Deduct	-7.92	
32 31 13 13-0258 LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	69.35	5.03
For 11 Gauge, Deduct	-11.55	
For 10 Gauge, Deduct	-4.62	
For 7 Gauge, Add	6.93	
For 6 Gauge, Add	16.16	
For 1/2" Mesh Fabric, Deduct	-2.89	
For 5/8" Mesh Fabric, Deduct	-6.35	
For 3/4" Mesh Fabric, Deduct	-9.24	
32 31 13 13-0259 LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	78.58	6.30
For 11 Gauge, Deduct	-13.20	
For 10 Gauge, Deduct	-5.28	
For 7 Gauge, Add	7.92	
For 6 Gauge, Add	18.48	
For 1/2" Mesh Fabric, Deduct	-3.30	
For 5/8" Mesh Fabric, Deduct	-7.26	
For 3/4" Mesh Fabric, Deduct	-10.56	
32 31 13 13-0260 LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	86.67	6.61
For 11 Gauge, Deduct	-14.69	
For 10 Gauge, Deduct	-5.88	
For 7 Gauge, Add	8.81	
For 6 Gauge, Add	20.57	
For 1/2" Mesh Fabric, Deduct	-3.67	
For 5/8" Mesh Fabric, Deduct	-8.08	
For 3/4" Mesh Fabric, Deduct	-11.75	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0261	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	94.81	6.92
		<i>For 11 Gauge, Deduct</i>	-16.18	
		<i>For 10 Gauge, Deduct</i>	-6.47	
		<i>For 7 Gauge, Add</i>	9.71	
		<i>For 6 Gauge, Add</i>	22.65	
		<i>For 1/2" Mesh Fabric, Deduct</i>	-4.05	
		<i>For 5/8" Mesh Fabric, Deduct</i>	-8.90	
		<i>For 3/4" Mesh Fabric, Deduct</i>	-12.95	
32 31 13 13-0262	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	102.82	7.56
		<i>For 11 Gauge, Deduct</i>	-17.54	
		<i>For 10 Gauge, Deduct</i>	-7.02	
		<i>For 7 Gauge, Add</i>	10.53	
		<i>For 6 Gauge, Add</i>	24.56	
		<i>For 1/2" Mesh Fabric, Deduct</i>	-4.39	
		<i>For 5/8" Mesh Fabric, Deduct</i>	-9.65	
		<i>For 3/4" Mesh Fabric, Deduct</i>	-14.03	
32 31 13 13-0263		Gates <small>(32 31 13 13)</small> Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0264		Galvanized Steel Without Barbed Wire <small>(32 31 13 13-0263)</small> Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0265		4' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0266	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	359.95	23.42
		<i>For Gate With Single Barb Wire Arm, Add</i>	31.54	
		<i>For Gate With Double Barb Wire Arm, Add</i>	45.88	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.77	
		<i>For Aluminized Steel Gate And Post, Add</i>	137.64	
		<i>For Powder Coated Gate And Post, Add</i>	74.56	
		<i>For 1" Mesh Fabric, Add</i>	124.74	
		<i>For 1-1/4" Mesh Fabric, Add</i>	80.29	
		<i>For 1-3/4" Mesh Fabric, Add</i>	49.90	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-24.95	
32 31 13 13-0267	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	455.53	24.39
		<i>For Gate With Single Barb Wire Arm, Add</i>	42.06	
		<i>For Gate With Double Barb Wire Arm, Add</i>	61.17	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.69	
		<i>For Aluminized Steel Gate And Post, Add</i>	183.52	
		<i>For Powder Coated Gate And Post, Add</i>	99.41	
		<i>For 1" Mesh Fabric, Add</i>	166.32	
		<i>For 1-1/4" Mesh Fabric, Add</i>	107.06	
		<i>For 1-3/4" Mesh Fabric, Add</i>	66.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.26	
32 31 13 13-0268	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	539.68	25.96
		<i>For Gate With Single Barb Wire Arm, Add</i>	50.78	
		<i>For Gate With Double Barb Wire Arm, Add</i>	73.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-86.55	
		<i>For Aluminized Steel Gate And Post, Add</i>	221.57	
		<i>For Powder Coated Gate And Post, Add</i>	120.02	
		<i>For 1" Mesh Fabric, Add</i>	200.80	
		<i>For 1-1/4" Mesh Fabric, Add</i>	129.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	80.32	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-40.16	
32 31 13 13-0269	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	634.57	31.23
		<i>For Gate With Single Barb Wire Arm, Add</i>	59.50	
		<i>For Gate With Double Barb Wire Arm, Add</i>	86.54	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-101.41	
		<i>For Aluminized Steel Gate And Post, Add</i>	259.62	
		<i>For Powder Coated Gate And Post, Add</i>	140.63	
		<i>For 1" Mesh Fabric, Add</i>	235.28	
		<i>For 1-1/4" Mesh Fabric, Add</i>	151.44	
		<i>For 1-3/4" Mesh Fabric, Add</i>	94.11	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-47.06	
32 31 13 13-0270	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	729.45	36.40
		<i>For Gate With Single Barb Wire Arm, Add</i>	68.22	
		<i>For Gate With Double Barb Wire Arm, Add</i>	99.22	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.28	
		<i>For Aluminized Steel Gate And Post, Add</i>	297.67	
		<i>For Powder Coated Gate And Post, Add</i>	161.24	
		<i>For 1" Mesh Fabric, Add</i>	269.76	
		<i>For 1-1/4" Mesh Fabric, Add</i>	173.64	
		<i>For 1-3/4" Mesh Fabric, Add</i>	107.90	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-53.95	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0271 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	827.58	41.57
For Gate With Single Barb Wire Arm, Add	77.29	
For Gate With Double Barb Wire Arm, Add	112.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.75	
For Aluminized Steel Gate And Post, Add	337.28	
For Powder Coated Gate And Post, Add	182.69	
For 1" Mesh Fabric, Add	305.66	
For 1-1/4" Mesh Fabric, Add	196.75	
For 1-3/4" Mesh Fabric, Add	122.26	
For 2-1/8" Mesh Fabric, Deduct	-61.13	
32 31 13 13-0272 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	922.45	46.84
For Gate With Single Barb Wire Arm, Add	86.01	
For Gate With Double Barb Wire Arm, Add	125.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.61	
For Aluminized Steel Gate And Post, Add	375.33	
For Powder Coated Gate And Post, Add	203.30	
For 1" Mesh Fabric, Add	340.14	
For 1-1/4" Mesh Fabric, Add	218.94	
For 1-3/4" Mesh Fabric, Add	136.06	
For 2-1/8" Mesh Fabric, Deduct	-68.03	
32 31 13 13-0273 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,018.74	52.01
For Gate With Single Barb Wire Arm, Add	94.89	
For Gate With Double Barb Wire Arm, Add	138.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.74	
For Aluminized Steel Gate And Post, Add	414.05	
For Powder Coated Gate And Post, Add	224.28	
For 1" Mesh Fabric, Add	375.23	
For 1-1/4" Mesh Fabric, Add	241.53	
For 1-3/4" Mesh Fabric, Add	150.09	
For 2-1/8" Mesh Fabric, Deduct	-75.05	
32 31 13 13-0274 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,303.16	52.01
For Gate With Single Barb Wire Arm, Add	126.17	
For Gate With Double Barb Wire Arm, Add	183.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.07	
For Aluminized Steel Gate And Post, Add	550.57	
For Powder Coated Gate And Post, Add	298.23	
For 1" Mesh Fabric, Add	498.95	
For 1-1/4" Mesh Fabric, Add	321.17	
For 1-3/4" Mesh Fabric, Add	199.58	
For 2-1/8" Mesh Fabric, Deduct	-99.79	
32 31 13 13-0275 EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,543.72	55.72
For Gate With Single Barb Wire Arm, Add	151.41	
For Gate With Double Barb Wire Arm, Add	220.23	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.08	
For Aluminized Steel Gate And Post, Add	660.69	
For Powder Coated Gate And Post, Add	357.87	
For 1" Mesh Fabric, Add	598.75	
For 1-1/4" Mesh Fabric, Add	385.40	
For 1-3/4" Mesh Fabric, Add	239.50	
For 2-1/8" Mesh Fabric, Deduct	-119.75	
32 31 13 13-0276 EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,785.99	60.02
For Gate With Single Barb Wire Arm, Add	176.64	
For Gate With Double Barb Wire Arm, Add	256.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-301.09	
For Aluminized Steel Gate And Post, Add	770.80	
For Powder Coated Gate And Post, Add	417.52	
For 1" Mesh Fabric, Add	698.54	
For 1-1/4" Mesh Fabric, Add	449.63	
For 1-3/4" Mesh Fabric, Add	279.41	
For 2-1/8" Mesh Fabric, Deduct	-139.71	
32 31 13 13-0277 EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,030.42	65.00
For Gate With Single Barb Wire Arm, Add	201.88	
For Gate With Double Barb Wire Arm, Add	293.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.11	
For Aluminized Steel Gate And Post, Add	880.92	
For Powder Coated Gate And Post, Add	477.16	
For 1" Mesh Fabric, Add	798.33	
For 1-1/4" Mesh Fabric, Add	513.87	
For 1-3/4" Mesh Fabric, Add	319.33	
For 2-1/8" Mesh Fabric, Deduct	-159.67	
32 31 13 13-0278 EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,313.23	82.73
For Gate With Single Barb Wire Arm, Add	227.11	
For Gate With Double Barb Wire Arm, Add	330.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-387.12	
For Aluminized Steel Gate And Post, Add	991.03	
For Powder Coated Gate And Post, Add	536.81	
For 1" Mesh Fabric, Add	898.12	
For 1-1/4" Mesh Fabric, Add	578.10	
For 1-3/4" Mesh Fabric, Add	359.25	
For 2-1/8" Mesh Fabric, Deduct	-179.62	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0279 EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,560.40	88.67
For Gate With Single Barb Wire Arm, Add	252.35	
For Gate With Double Barb Wire Arm, Add	367.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-430.13	
For Aluminized Steel Gate And Post, Add	1,101.14	
For Powder Coated Gate And Post, Add	596.45	
For 1" Mesh Fabric, Add	997.91	
For 1-1/4" Mesh Fabric, Add	642.33	
For 1-3/4" Mesh Fabric, Add	399.16	
For 2-1/8" Mesh Fabric, Deduct	-199.58	
32 31 13 13-0280 EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,804.69	95.55
For Gate With Single Barb Wire Arm, Add	276.96	
For Gate With Double Barb Wire Arm, Add	402.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-472.10	
For Aluminized Steel Gate And Post, Add	1,208.57	
For Powder Coated Gate And Post, Add	654.64	
For 1" Mesh Fabric, Add	1,095.27	
For 1-1/4" Mesh Fabric, Add	705.00	
For 1-3/4" Mesh Fabric, Add	438.11	
For 2-1/8" Mesh Fabric, Deduct	-219.05	
32 31 13 13-0281 EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,052.40	103.47
For Gate With Single Barb Wire Arm, Add	301.58	
For Gate With Double Barb Wire Arm, Add	438.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.06	
For Aluminized Steel Gate And Post, Add	1,316.00	
For Powder Coated Gate And Post, Add	712.83	
For 1" Mesh Fabric, Add	1,192.63	
For 1-1/4" Mesh Fabric, Add	767.67	
For 1-3/4" Mesh Fabric, Add	477.05	
For 2-1/8" Mesh Fabric, Deduct	-238.53	
32 31 13 13-0282 EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,304.46	112.91
For Gate With Single Barb Wire Arm, Add	326.20	
For Gate With Double Barb Wire Arm, Add	474.48	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-556.03	
For Aluminized Steel Gate And Post, Add	1,423.43	
For Powder Coated Gate And Post, Add	771.02	
For 1" Mesh Fabric, Add	1,289.98	
For 1-1/4" Mesh Fabric, Add	830.33	
For 1-3/4" Mesh Fabric, Add	515.99	
For 2-1/8" Mesh Fabric, Deduct	-258.00	
32 31 13 13-0283 EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,478.24	124.21
For Gate With Single Barb Wire Arm, Add	341.59	
For Gate With Double Barb Wire Arm, Add	496.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-582.26	
For Aluminized Steel Gate And Post, Add	1,490.57	
For Powder Coated Gate And Post, Add	807.39	
For 1" Mesh Fabric, Add	1,350.83	
For 1-1/4" Mesh Fabric, Add	869.50	
For 1-3/4" Mesh Fabric, Add	540.33	
For 2-1/8" Mesh Fabric, Deduct	-270.17	
32 31 13 13-0284 EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,855.37	137.96
For Gate With Single Barb Wire Arm, Add	378.52	
For Gate With Double Barb Wire Arm, Add	550.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-645.20	
For Aluminized Steel Gate And Post, Add	1,651.71	
For Powder Coated Gate And Post, Add	894.68	
For 1" Mesh Fabric, Add	1,496.87	
For 1-1/4" Mesh Fabric, Add	963.50	
For 1-3/4" Mesh Fabric, Add	598.75	
For 2-1/8" Mesh Fabric, Deduct	-299.37	
32 31 13 13-0285 5' Fence Height (32 31 13 13-0264)		
32 31 13 13-0286 EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	432.44	25.96
For Gate With Single Barb Wire Arm, Add	38.98	
For Gate With Double Barb Wire Arm, Add	56.70	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.44	
For Aluminized Steel Gate And Post, Add	170.10	
For Powder Coated Gate And Post, Add	92.14	
For 1" Mesh Fabric, Add	154.15	
For 1-1/4" Mesh Fabric, Add	99.22	
For 1-3/4" Mesh Fabric, Add	61.66	
For 2-1/8" Mesh Fabric, Deduct	-30.83	
32 31 13 13-0287 EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	549.00	25.96
For Gate With Single Barb Wire Arm, Add	51.80	
For Gate With Double Barb Wire Arm, Add	75.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.30	
For Aluminized Steel Gate And Post, Add	226.05	
For Powder Coated Gate And Post, Add	122.44	
For 1" Mesh Fabric, Add	204.85	
For 1-1/4" Mesh Fabric, Add	131.86	
For 1-3/4" Mesh Fabric, Add	81.94	
For 2-1/8" Mesh Fabric, Deduct	-40.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0288	EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	642.48 61.55 89.52 -104.91 268.57 145.48 243.39 156.67 97.36 -48.68	27.61
32 31	13	13-0289	EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	752.33 71.81 104.44 -122.40 313.33 169.72 283.96 182.78 113.58 -56.79	33.18
32 31	13	13-0290	EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	852.84 81.04 117.87 -138.13 353.62 191.54 320.47 206.28 128.19 -64.09	38.65
32 31	13	13-0291	EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	963.66 91.30 132.79 -155.62 398.38 215.79 361.03 232.39 144.41 -72.21	44.50
32 31	13	13-0292	EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,068.83 101.04 146.97 -172.23 440.90 238.82 399.57 257.19 159.83 -79.91	50.06
32 31	13	13-0293	EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,174.01 110.79 161.14 -188.84 483.43 261.86 438.11 282.00 175.24 -87.62	55.52
32 31	13	13-0294	EA 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,588.48 156.33 227.39 -266.47 682.17 369.51 618.22 397.93 247.29 -123.64	55.72
32 31	13	13-0295	EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,886.71 187.72 273.05 -319.98 819.14 443.70 742.35 477.83 296.94 -148.47	60.02

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0296 EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,187.09	65.00
For Gate With Single Barb Wire Arm, Add	219.11	
For Gate With Double Barb Wire Arm, Add	318.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-373.48	
For Aluminized Steel Gate And Post, Add	956.12	
For Powder Coated Gate And Post, Add	517.90	
For 1" Mesh Fabric, Add	866.48	
For 1-1/4" Mesh Fabric, Add	557.73	
For 1-3/4" Mesh Fabric, Add	346.59	
For 2-1/8" Mesh Fabric, Deduct	-173.30	
32 31 13 13-0297 EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,525.85	82.73
For Gate With Single Barb Wire Arm, Add	250.50	
For Gate With Double Barb Wire Arm, Add	364.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-426.99	
For Aluminized Steel Gate And Post, Add	1,093.08	
For Powder Coated Gate And Post, Add	592.09	
For 1" Mesh Fabric, Add	990.61	
For 1-1/4" Mesh Fabric, Add	637.63	
For 1-3/4" Mesh Fabric, Add	396.24	
For 2-1/8" Mesh Fabric, Deduct	-198.12	
32 31 13 13-0298 EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,823.37	88.67
For Gate With Single Barb Wire Arm, Add	281.27	
For Gate With Double Barb Wire Arm, Add	409.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-479.44	
For Aluminized Steel Gate And Post, Add	1,227.37	
For Powder Coated Gate And Post, Add	664.83	
For 1" Mesh Fabric, Add	1,112.30	
For 1-1/4" Mesh Fabric, Add	715.97	
For 1-3/4" Mesh Fabric, Add	444.92	
For 2-1/8" Mesh Fabric, Deduct	-222.46	
32 31 13 13-0299 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,134.81	95.55
For Gate With Single Barb Wire Arm, Add	313.28	
For Gate With Double Barb Wire Arm, Add	455.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-534.00	
For Aluminized Steel Gate And Post, Add	1,367.03	
For Powder Coated Gate And Post, Add	740.47	
For 1" Mesh Fabric, Add	1,238.87	
For 1-1/4" Mesh Fabric, Add	797.43	
For 1-3/4" Mesh Fabric, Add	495.55	
For 2-1/8" Mesh Fabric, Deduct	-247.77	
32 31 13 13-0300 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,444.06	103.47
For Gate With Single Barb Wire Arm, Add	344.67	
For Gate With Double Barb Wire Arm, Add	501.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-587.50	
For Aluminized Steel Gate And Post, Add	1,504.00	
For Powder Coated Gate And Post, Add	814.67	
For 1" Mesh Fabric, Add	1,363.00	
For 1-1/4" Mesh Fabric, Add	877.33	
For 1-3/4" Mesh Fabric, Add	545.20	
For 2-1/8" Mesh Fabric, Deduct	-272.60	
32 31 13 13-0301 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,752.08	112.91
For Gate With Single Barb Wire Arm, Add	375.44	
For Gate With Double Barb Wire Arm, Add	546.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-639.96	
For Aluminized Steel Gate And Post, Add	1,638.29	
For Powder Coated Gate And Post, Add	887.41	
For 1" Mesh Fabric, Add	1,484.70	
For 1-1/4" Mesh Fabric, Add	955.67	
For 1-3/4" Mesh Fabric, Add	593.88	
For 2-1/8" Mesh Fabric, Deduct	-296.94	
32 31 13 13-0302 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,076.93	124.21
For Gate With Single Barb Wire Arm, Add	407.45	
For Gate With Double Barb Wire Arm, Add	592.65	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-694.51	
For Aluminized Steel Gate And Post, Add	1,777.94	
For Powder Coated Gate And Post, Add	963.05	
For 1" Mesh Fabric, Add	1,611.26	
For 1-1/4" Mesh Fabric, Add	1,037.13	
For 1-3/4" Mesh Fabric, Add	644.50	
For 2-1/8" Mesh Fabric, Deduct	-322.25	
32 31 13 13-0303 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,400.18	137.96
For Gate With Single Barb Wire Arm, Add	438.45	
For Gate With Double Barb Wire Arm, Add	637.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-747.35	
For Aluminized Steel Gate And Post, Add	1,913.22	
For Powder Coated Gate And Post, Add	1,036.33	
For 1" Mesh Fabric, Add	1,733.86	
For 1-1/4" Mesh Fabric, Add	1,116.05	
For 1-3/4" Mesh Fabric, Add	693.54	
For 2-1/8" Mesh Fabric, Deduct	-346.77	



	Exterior Improvements	32
	Site Improvements	32 30
	Fences and Gates	32 31

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0304 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,729.67	155.21
For Gate With Single Barb Wire Arm, Add	468.99	
For Gate With Double Barb Wire Arm, Add	682.17	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-799.42	
For Aluminized Steel Gate And Post, Add	2,046.51	
For Powder Coated Gate And Post, Add	1,108.53	
For 1" Mesh Fabric, Add	1,854.65	
For 1-1/4" Mesh Fabric, Add	1,193.80	
For 1-3/4" Mesh Fabric, Add	741.86	
For 2-1/8" Mesh Fabric, Deduct	-370.93	
32 31 13 13-0305 6' Fence Height (32 31 13 13-0264)		
32 31 13 13-0306 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	463.66	27.81
For Gate With Single Barb Wire Arm, Add	41.80	
For Gate With Double Barb Wire Arm, Add	60.80	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.25	
For Aluminized Steel Gate And Post, Add	182.40	
For Powder Coated Gate And Post, Add	98.80	
For 1" Mesh Fabric, Add	165.30	
For 1-1/4" Mesh Fabric, Add	106.40	
For 1-3/4" Mesh Fabric, Add	66.12	
For 2-1/8" Mesh Fabric, Deduct	-33.06	
32 31 13 13-0307 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	589.55	27.81
For Gate With Single Barb Wire Arm, Add	55.65	
For Gate With Double Barb Wire Arm, Add	80.94	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.86	
For Aluminized Steel Gate And Post, Add	242.83	
For Powder Coated Gate And Post, Add	131.53	
For 1" Mesh Fabric, Add	220.07	
For 1-1/4" Mesh Fabric, Add	141.65	
For 1-3/4" Mesh Fabric, Add	88.03	
For 2-1/8" Mesh Fabric, Deduct	-44.01	
32 31 13 13-0308 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	691.00	29.57
For Gate With Single Barb Wire Arm, Add	66.24	
For Gate With Double Barb Wire Arm, Add	96.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-112.91	
For Aluminized Steel Gate And Post, Add	289.05	
For Powder Coated Gate And Post, Add	156.57	
For 1" Mesh Fabric, Add	261.95	
For 1-1/4" Mesh Fabric, Add	168.61	
For 1-3/4" Mesh Fabric, Add	104.78	
For 2-1/8" Mesh Fabric, Deduct	-52.39	
32 31 13 13-0309 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	802.08	35.72
For Gate With Single Barb Wire Arm, Add	76.42	
For Gate With Double Barb Wire Arm, Add	111.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.26	
For Aluminized Steel Gate And Post, Add	333.48	
For Powder Coated Gate And Post, Add	180.63	
For 1" Mesh Fabric, Add	302.21	
For 1-1/4" Mesh Fabric, Add	194.53	
For 1-3/4" Mesh Fabric, Add	120.88	
For 2-1/8" Mesh Fabric, Deduct	-60.44	
32 31 13 13-0310 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	918.54	41.96
For Gate With Single Barb Wire Arm, Add	87.19	
For Gate With Double Barb Wire Arm, Add	126.83	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.62	
For Aluminized Steel Gate And Post, Add	380.48	
For Powder Coated Gate And Post, Add	206.09	
For 1" Mesh Fabric, Add	344.81	
For 1-1/4" Mesh Fabric, Add	221.94	
For 1-3/4" Mesh Fabric, Add	137.92	
For 2-1/8" Mesh Fabric, Deduct	-68.96	
32 31 13 13-0311 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,029.35	47.82
For Gate With Single Barb Wire Arm, Add	97.45	
For Gate With Double Barb Wire Arm, Add	141.75	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-166.11	
For Aluminized Steel Gate And Post, Add	425.24	
For Powder Coated Gate And Post, Add	230.34	
For 1" Mesh Fabric, Add	385.37	
For 1-1/4" Mesh Fabric, Add	248.05	
For 1-3/4" Mesh Fabric, Add	154.15	
For 2-1/8" Mesh Fabric, Deduct	-77.07	
32 31 13 13-0312 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,141.17	53.96
For Gate With Single Barb Wire Arm, Add	107.71	
For Gate With Double Barb Wire Arm, Add	156.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.59	
For Aluminized Steel Gate And Post, Add	470.00	
For Powder Coated Gate And Post, Add	254.58	
For 1" Mesh Fabric, Add	425.94	
For 1-1/4" Mesh Fabric, Add	274.17	
For 1-3/4" Mesh Fabric, Add	170.38	
For 2-1/8" Mesh Fabric, Deduct	-85.19	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0313	EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,210.99	60.11
		<i>For Gate With Single Barb Wire Arm, Add</i>	113.35	
		<i>For Gate With Double Barb Wire Arm, Add</i>	164.87	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-193.21	
		<i>For Aluminized Steel Gate And Post, Add</i>	494.62	
		<i>For Powder Coated Gate And Post, Add</i>	267.92	
		<i>For 1" Mesh Fabric, Add</i>	448.25	
		<i>For 1-1/4" Mesh Fabric, Add</i>	288.53	
		<i>For 1-3/4" Mesh Fabric, Add</i>	179.30	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-89.65	
32 31 13	13-0314	EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,696.47	60.02
		<i>For Gate With Single Barb Wire Arm, Add</i>	166.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	242.61	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-284.31	
		<i>For Aluminized Steel Gate And Post, Add</i>	727.83	
		<i>For Powder Coated Gate And Post, Add</i>	394.24	
		<i>For 1" Mesh Fabric, Add</i>	659.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	424.57	
		<i>For 1-3/4" Mesh Fabric, Add</i>	263.84	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-131.92	
32 31 13	13-0315	EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,013.63	65.00
		<i>For Gate With Single Barb Wire Arm, Add</i>	200.03	
		<i>For Gate With Double Barb Wire Arm, Add</i>	290.95	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-340.96	
		<i>For Aluminized Steel Gate And Post, Add</i>	872.86	
		<i>For Powder Coated Gate And Post, Add</i>	472.80	
		<i>For 1" Mesh Fabric, Add</i>	791.03	
		<i>For 1-1/4" Mesh Fabric, Add</i>	509.17	
		<i>For 1-3/4" Mesh Fabric, Add</i>	316.41	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-158.21	
32 31 13	13-0316	EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,392.54	88.67
		<i>For Gate With Single Barb Wire Arm, Add</i>	233.88	
		<i>For Gate With Double Barb Wire Arm, Add</i>	340.19	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-398.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,020.57	
		<i>For Powder Coated Gate And Post, Add</i>	552.81	
		<i>For 1" Mesh Fabric, Add</i>	924.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	595.33	
		<i>For 1-3/4" Mesh Fabric, Add</i>	369.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-184.98	
32 31 13	13-0317	EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,715.16	95.55
		<i>For Gate With Single Barb Wire Arm, Add</i>	267.12	
		<i>For Gate With Double Barb Wire Arm, Add</i>	388.53	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-455.31	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,165.60	
		<i>For Powder Coated Gate And Post, Add</i>	631.37	
		<i>For 1" Mesh Fabric, Add</i>	1,056.32	
		<i>For 1-1/4" Mesh Fabric, Add</i>	679.93	
		<i>For 1-3/4" Mesh Fabric, Add</i>	422.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-211.26	
32 31 13	13-0318	EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,046.80	103.47
		<i>For Gate With Single Barb Wire Arm, Add</i>	300.97	
		<i>For Gate With Double Barb Wire Arm, Add</i>	437.77	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-513.01	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,313.31	
		<i>For Powder Coated Gate And Post, Add</i>	711.38	
		<i>For 1" Mesh Fabric, Add</i>	1,190.19	
		<i>For 1-1/4" Mesh Fabric, Add</i>	766.10	
		<i>For 1-3/4" Mesh Fabric, Add</i>	476.08	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-238.04	
32 31 13	13-0319	EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,382.79	112.91
		<i>For Gate With Single Barb Wire Arm, Add</i>	334.82	
		<i>For Gate With Double Barb Wire Arm, Add</i>	487.01	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-570.71	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,461.03	
		<i>For Powder Coated Gate And Post, Add</i>	791.39	
		<i>For 1" Mesh Fabric, Add</i>	1,324.06	
		<i>For 1-1/4" Mesh Fabric, Add</i>	852.27	
		<i>For 1-3/4" Mesh Fabric, Add</i>	529.62	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-264.81	
32 31 13	13-0320	EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,718.83	124.21
		<i>For Gate With Single Barb Wire Arm, Add</i>	368.05	
		<i>For Gate With Double Barb Wire Arm, Add</i>	535.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-627.37	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,606.06	
		<i>For Powder Coated Gate And Post, Add</i>	869.95	
		<i>For 1" Mesh Fabric, Add</i>	1,455.49	
		<i>For 1-1/4" Mesh Fabric, Add</i>	936.87	
		<i>For 1-3/4" Mesh Fabric, Add</i>	582.20	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-291.10	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0321 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,065.19	137.96
For Gate With Single Barb Wire Arm, Add	401.60	
For Gate With Double Barb Wire Arm, Add	584.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-684.54	
For Aluminized Steel Gate And Post, Add	1,752.43	
For Powder Coated Gate And Post, Add	949.23	
For 1" Mesh Fabric, Add	1,588.14	
For 1-1/4" Mesh Fabric, Add	1,022.25	
For 1-3/4" Mesh Fabric, Add	635.25	
For 2-1/8" Mesh Fabric, Deduct	-317.63	
32 31 13 13-0322 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,418.58	155.21
For Gate With Single Barb Wire Arm, Add	434.77	
For Gate With Double Barb Wire Arm, Add	632.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-741.09	
For Aluminized Steel Gate And Post, Add	1,897.19	
For Powder Coated Gate And Post, Add	1,027.64	
For 1" Mesh Fabric, Add	1,719.33	
For 1-1/4" Mesh Fabric, Add	1,106.69	
For 1-3/4" Mesh Fabric, Add	687.73	
For 2-1/8" Mesh Fabric, Deduct	-343.87	
32 31 13 13-0323 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,790.66	177.35
For Gate With Single Barb Wire Arm, Add	468.38	
For Gate With Double Barb Wire Arm, Add	681.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-798.37	
For Aluminized Steel Gate And Post, Add	2,043.83	
For Powder Coated Gate And Post, Add	1,107.07	
For 1" Mesh Fabric, Add	1,852.22	
For 1-1/4" Mesh Fabric, Add	1,192.23	
For 1-3/4" Mesh Fabric, Add	740.89	
For 2-1/8" Mesh Fabric, Deduct	-370.44	
32 31 13 13-0324 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,185.51	206.94
For Gate With Single Barb Wire Arm, Add	502.04	
For Gate With Double Barb Wire Arm, Add	730.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-855.76	
For Aluminized Steel Gate And Post, Add	2,190.74	
For Powder Coated Gate And Post, Add	1,186.65	
For 1" Mesh Fabric, Add	1,985.36	
For 1-1/4" Mesh Fabric, Add	1,277.93	
For 1-3/4" Mesh Fabric, Add	794.14	
For 2-1/8" Mesh Fabric, Deduct	-397.07	
32 31 13 13-0325 7' Fence Height^(32 31 13 13-0264)		
32 31 13 13-0326 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	486.41	29.96
For Gate With Single Barb Wire Arm, Add	43.60	
For Gate With Double Barb Wire Arm, Add	63.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.31	
For Aluminized Steel Gate And Post, Add	190.24	
For Powder Coated Gate And Post, Add	103.05	
For 1" Mesh Fabric, Add	172.40	
For 1-1/4" Mesh Fabric, Add	110.97	
For 1-3/4" Mesh Fabric, Add	68.96	
For 2-1/8" Mesh Fabric, Deduct	-34.48	
32 31 13 13-0327 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	616.97	29.96
For Gate With Single Barb Wire Arm, Add	57.96	
For Gate With Double Barb Wire Arm, Add	84.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
For Aluminized Steel Gate And Post, Add	252.91	
For Powder Coated Gate And Post, Add	136.99	
For 1" Mesh Fabric, Add	229.20	
For 1-1/4" Mesh Fabric, Add	147.53	
For 1-3/4" Mesh Fabric, Add	91.68	
For 2-1/8" Mesh Fabric, Deduct	-45.84	
32 31 13 13-0328 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	727.30	31.53
For Gate With Single Barb Wire Arm, Add	69.59	
For Gate With Double Barb Wire Arm, Add	101.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.62	
For Aluminized Steel Gate And Post, Add	303.67	
For Powder Coated Gate And Post, Add	164.49	
For 1" Mesh Fabric, Add	275.20	
For 1-1/4" Mesh Fabric, Add	177.14	
For 1-3/4" Mesh Fabric, Add	110.08	
For 2-1/8" Mesh Fabric, Deduct	-55.04	
32 31 13 13-0329 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	891.40	38.35
For Gate With Single Barb Wire Arm, Add	85.39	
For Gate With Double Barb Wire Arm, Add	124.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-145.55	
For Aluminized Steel Gate And Post, Add	372.60	
For Powder Coated Gate And Post, Add	201.83	
For 1" Mesh Fabric, Add	337.67	
For 1-1/4" Mesh Fabric, Add	217.35	
For 1-3/4" Mesh Fabric, Add	135.07	
For 2-1/8" Mesh Fabric, Deduct	-67.53	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0330	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,054.56	44.89
			<i>For Gate With Single Barb Wire Arm, Add</i>	101.19	
			<i>For Gate With Double Barb Wire Arm, Add</i>	147.18	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-172.48	
			<i>For Aluminized Steel Gate And Post, Add</i>	441.55	
			<i>For Powder Coated Gate And Post, Add</i>	239.17	
			<i>For 1" Mesh Fabric, Add</i>	400.16	
			<i>For 1-1/4" Mesh Fabric, Add</i>	257.57	
			<i>For 1-3/4" Mesh Fabric, Add</i>	160.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-80.03	
32 31 13	13-0331	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,218.68	51.62
			<i>For Gate With Single Barb Wire Arm, Add</i>	116.99	
			<i>For Gate With Double Barb Wire Arm, Add</i>	170.16	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-199.41	
			<i>For Aluminized Steel Gate And Post, Add</i>	510.49	
			<i>For Powder Coated Gate And Post, Add</i>	276.52	
			<i>For 1" Mesh Fabric, Add</i>	462.63	
			<i>For 1-1/4" Mesh Fabric, Add</i>	297.79	
			<i>For 1-3/4" Mesh Fabric, Add</i>	185.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-92.53	
32 31 13	13-0332	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,381.85	58.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	132.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	193.15	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-226.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	579.44	
			<i>For Powder Coated Gate And Post, Add</i>	313.86	
			<i>For 1" Mesh Fabric, Add</i>	525.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	338.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	210.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-105.02	
32 31 13	13-0333	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,520.09	65.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	145.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	211.99	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-248.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	635.96	
			<i>For Powder Coated Gate And Post, Add</i>	344.48	
			<i>For 1" Mesh Fabric, Add</i>	576.34	
			<i>For 1-1/4" Mesh Fabric, Add</i>	370.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	230.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-115.27	
32 31 13	13-0334	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,934.29	65.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	191.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	278.26	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-326.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	834.77	
			<i>For Powder Coated Gate And Post, Add</i>	452.17	
			<i>For 1" Mesh Fabric, Add</i>	756.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	486.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	302.61	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-151.30	
32 31 13	13-0335	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,200.10	88.67
			<i>For Gate With Single Barb Wire Arm, Add</i>	212.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	309.40	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-362.58	
			<i>For Aluminized Steel Gate And Post, Add</i>	928.20	
			<i>For Powder Coated Gate And Post, Add</i>	502.78	
			<i>For 1" Mesh Fabric, Add</i>	841.18	
			<i>For 1-1/4" Mesh Fabric, Add</i>	541.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	336.47	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-168.24	
32 31 13	13-0336	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,542.87	95.55
			<i>For Gate With Single Barb Wire Arm, Add</i>	248.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	360.97	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-423.01	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,082.90	
			<i>For Powder Coated Gate And Post, Add</i>	586.57	
			<i>For 1" Mesh Fabric, Add</i>	981.38	
			<i>For 1-1/4" Mesh Fabric, Add</i>	631.69	
			<i>For 1-3/4" Mesh Fabric, Add</i>	392.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-196.28	
32 31 13	13-0337	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,862.16	103.47
			<i>For Gate With Single Barb Wire Arm, Add</i>	280.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	408.23	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-478.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,224.69	
			<i>For Powder Coated Gate And Post, Add</i>	663.37	
			<i>For 1" Mesh Fabric, Add</i>	1,109.87	
			<i>For 1-1/4" Mesh Fabric, Add</i>	714.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	443.95	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-221.97	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0338 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,214.93	112.91
For Gate With Single Barb Wire Arm, Add	316.35	
For Gate With Double Barb Wire Arm, Add	460.15	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-539.24	
For Aluminized Steel Gate And Post, Add	1,380.46	
For Powder Coated Gate And Post, Add	747.75	
For 1" Mesh Fabric, Add	1,251.04	
For 1-1/4" Mesh Fabric, Add	805.27	
For 1-3/4" Mesh Fabric, Add	500.42	
For 2-1/8" Mesh Fabric, Deduct	-250.21	
32 31 13 13-0339 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,567.76	124.21
For Gate With Single Barb Wire Arm, Add	351.44	
For Gate With Double Barb Wire Arm, Add	511.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-599.04	
For Aluminized Steel Gate And Post, Add	1,533.54	
For Powder Coated Gate And Post, Add	830.67	
For 1" Mesh Fabric, Add	1,389.77	
For 1-1/4" Mesh Fabric, Add	894.57	
For 1-3/4" Mesh Fabric, Add	555.91	
For 2-1/8" Mesh Fabric, Deduct	-277.95	
32 31 13 13-0340 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,928.11	137.96
For Gate With Single Barb Wire Arm, Add	386.52	
For Gate With Double Barb Wire Arm, Add	562.21	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-658.84	
For Aluminized Steel Gate And Post, Add	1,686.63	
For Powder Coated Gate And Post, Add	913.59	
For 1" Mesh Fabric, Add	1,528.51	
For 1-1/4" Mesh Fabric, Add	983.87	
For 1-3/4" Mesh Fabric, Add	611.40	
For 2-1/8" Mesh Fabric, Deduct	-305.70	
32 31 13 13-0341 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,298.84	155.21
For Gate With Single Barb Wire Arm, Add	421.60	
For Gate With Double Barb Wire Arm, Add	613.24	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-718.64	
For Aluminized Steel Gate And Post, Add	1,839.72	
For Powder Coated Gate And Post, Add	996.51	
For 1" Mesh Fabric, Add	1,667.24	
For 1-1/4" Mesh Fabric, Add	1,073.17	
For 1-3/4" Mesh Fabric, Add	666.90	
For 2-1/8" Mesh Fabric, Deduct	-333.45	
32 31 13 13-0342 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,684.35	177.35
For Gate With Single Barb Wire Arm, Add	456.68	
For Gate With Double Barb Wire Arm, Add	664.27	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-778.44	
For Aluminized Steel Gate And Post, Add	1,992.80	
For Powder Coated Gate And Post, Add	1,079.43	
For 1" Mesh Fabric, Add	1,805.98	
For 1-1/4" Mesh Fabric, Add	1,162.47	
For 1-3/4" Mesh Fabric, Add	722.39	
For 2-1/8" Mesh Fabric, Deduct	-361.20	
32 31 13 13-0343 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,092.07	206.94
For Gate With Single Barb Wire Arm, Add	491.77	
For Gate With Double Barb Wire Arm, Add	715.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-838.24	
For Aluminized Steel Gate And Post, Add	2,145.89	
For Powder Coated Gate And Post, Add	1,162.36	
For 1" Mesh Fabric, Add	1,944.71	
For 1-1/4" Mesh Fabric, Add	1,251.77	
For 1-3/4" Mesh Fabric, Add	777.88	
For 2-1/8" Mesh Fabric, Deduct	-388.94	
32 31 13 13-0344 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,535.29	248.32
For Gate With Single Barb Wire Arm, Add	526.85	
For Gate With Double Barb Wire Arm, Add	766.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-898.04	
For Aluminized Steel Gate And Post, Add	2,298.97	
For Powder Coated Gate And Post, Add	1,245.28	
For 1" Mesh Fabric, Add	2,083.45	
For 1-1/4" Mesh Fabric, Add	1,341.07	
For 1-3/4" Mesh Fabric, Add	833.38	
For 2-1/8" Mesh Fabric, Deduct	-416.69	
32 31 13 13-0345 8' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0346 EA 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	570.92	32.50
For Gate With Single Barb Wire Arm, Add	52.07	
For Gate With Double Barb Wire Arm, Add	75.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.75	
For Aluminized Steel Gate And Post, Add	227.20	
For Powder Coated Gate And Post, Add	123.07	
For 1" Mesh Fabric, Add	205.90	
For 1-1/4" Mesh Fabric, Add	132.53	
For 1-3/4" Mesh Fabric, Add	82.36	
For 2-1/8" Mesh Fabric, Deduct	-41.18	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0347 EA 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	728.71	32.50
For Gate With Single Barb Wire Arm, Add	69.42	
For Gate With Double Barb Wire Arm, Add	100.98	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.34	
For Aluminized Steel Gate And Post, Add	302.94	
For Powder Coated Gate And Post, Add	164.09	
For 1" Mesh Fabric, Add	274.54	
For 1-1/4" Mesh Fabric, Add	176.71	
For 1-3/4" Mesh Fabric, Add	109.81	
For 2-1/8" Mesh Fabric, Deduct	-54.91	
32 31 13 13-0348 EA 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	851.07	36.21
For Gate With Single Barb Wire Arm, Add	81.65	
For Gate With Double Barb Wire Arm, Add	118.76	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.17	
For Aluminized Steel Gate And Post, Add	356.28	
For Powder Coated Gate And Post, Add	192.99	
For 1" Mesh Fabric, Add	322.88	
For 1-1/4" Mesh Fabric, Add	207.83	
For 1-3/4" Mesh Fabric, Add	129.15	
For 2-1/8" Mesh Fabric, Deduct	-64.58	
32 31 13 13-0349 EA 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	976.37	40.99
For Gate With Single Barb Wire Arm, Add	93.88	
For Gate With Double Barb Wire Arm, Add	136.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.01	
For Aluminized Steel Gate And Post, Add	409.64	
For Powder Coated Gate And Post, Add	221.89	
For 1" Mesh Fabric, Add	371.23	
For 1-1/4" Mesh Fabric, Add	238.95	
For 1-3/4" Mesh Fabric, Add	148.49	
For 2-1/8" Mesh Fabric, Deduct	-74.25	
32 31 13 13-0350 EA 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,112.90	49.37
For Gate With Single Barb Wire Arm, Add	106.10	
For Gate With Double Barb Wire Arm, Add	154.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.86	
For Aluminized Steel Gate And Post, Add	462.99	
For Powder Coated Gate And Post, Add	250.79	
For 1" Mesh Fabric, Add	419.59	
For 1-1/4" Mesh Fabric, Add	270.08	
For 1-3/4" Mesh Fabric, Add	167.84	
For 2-1/8" Mesh Fabric, Deduct	-83.92	
32 31 13 13-0351 EA 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,248.46	57.48
For Gate With Single Barb Wire Arm, Add	118.33	
For Gate With Double Barb Wire Arm, Add	172.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-201.70	
For Aluminized Steel Gate And Post, Add	516.35	
For Powder Coated Gate And Post, Add	279.69	
For 1" Mesh Fabric, Add	467.94	
For 1-1/4" Mesh Fabric, Add	301.20	
For 1-3/4" Mesh Fabric, Add	187.18	
For 2-1/8" Mesh Fabric, Deduct	-93.59	
32 31 13 13-0352 EA 9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,385.00	65.97
For Gate With Single Barb Wire Arm, Add	130.56	
For Gate With Double Barb Wire Arm, Add	189.90	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.54	
For Aluminized Steel Gate And Post, Add	569.71	
For Powder Coated Gate And Post, Add	308.59	
For 1" Mesh Fabric, Add	516.30	
For 1-1/4" Mesh Fabric, Add	332.33	
For 1-3/4" Mesh Fabric, Add	206.52	
For 2-1/8" Mesh Fabric, Deduct	-103.26	
32 31 13 13-0353 EA 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,521.51	74.46
For Gate With Single Barb Wire Arm, Add	142.79	
For Gate With Double Barb Wire Arm, Add	207.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-243.38	
For Aluminized Steel Gate And Post, Add	623.06	
For Powder Coated Gate And Post, Add	337.49	
For 1" Mesh Fabric, Add	564.65	
For 1-1/4" Mesh Fabric, Add	363.45	
For 1-3/4" Mesh Fabric, Add	225.86	
For 2-1/8" Mesh Fabric, Deduct	-112.93	
32 31 13 13-0354 EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,213.45	88.67
For Gate With Single Barb Wire Arm, Add	214.18	
For Gate With Double Barb Wire Arm, Add	311.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-365.08	
For Aluminized Steel Gate And Post, Add	934.61	
For Powder Coated Gate And Post, Add	506.25	
For 1" Mesh Fabric, Add	846.99	
For 1-1/4" Mesh Fabric, Add	545.19	
For 1-3/4" Mesh Fabric, Add	338.80	
For 2-1/8" Mesh Fabric, Deduct	-169.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0355 EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,608.85	95.55
<i>For Gate With Single Barb Wire Arm, Add</i>	255.42	
<i>For Gate With Double Barb Wire Arm, Add</i>	371.52	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-435.38	
<i>For Aluminized Steel Gate And Post, Add</i>	1,114.57	
<i>For Powder Coated Gate And Post, Add</i>	603.73	
<i>For 1" Mesh Fabric, Add</i>	1,010.08	
<i>For 1-1/4" Mesh Fabric, Add</i>	650.17	
<i>For 1-3/4" Mesh Fabric, Add</i>	404.03	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-202.02	
32 31 13 13-0356 EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,013.23	103.47
<i>For Gate With Single Barb Wire Arm, Add</i>	297.28	
<i>For Gate With Double Barb Wire Arm, Add</i>	432.40	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-506.72	
<i>For Aluminized Steel Gate And Post, Add</i>	1,297.20	
<i>For Powder Coated Gate And Post, Add</i>	702.65	
<i>For 1" Mesh Fabric, Add</i>	1,175.59	
<i>For 1-1/4" Mesh Fabric, Add</i>	756.70	
<i>For 1-3/4" Mesh Fabric, Add</i>	470.24	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-235.12	
32 31 13 13-0357 EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,433.15	112.91
<i>For Gate With Single Barb Wire Arm, Add</i>	340.36	
<i>For Gate With Double Barb Wire Arm, Add</i>	495.07	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-580.16	
<i>For Aluminized Steel Gate And Post, Add</i>	1,485.20	
<i>For Powder Coated Gate And Post, Add</i>	804.48	
<i>For 1" Mesh Fabric, Add</i>	1,345.96	
<i>For 1-1/4" Mesh Fabric, Add</i>	866.37	
<i>For 1-3/4" Mesh Fabric, Add</i>	538.39	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-269.19	
32 31 13 13-0358 EA 18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,858.71	124.21
<i>For Gate With Single Barb Wire Arm, Add</i>	383.44	
<i>For Gate With Double Barb Wire Arm, Add</i>	557.73	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-653.59	
<i>For Aluminized Steel Gate And Post, Add</i>	1,673.20	
<i>For Powder Coated Gate And Post, Add</i>	906.32	
<i>For 1" Mesh Fabric, Add</i>	1,516.34	
<i>For 1-1/4" Mesh Fabric, Add</i>	976.03	
<i>For 1-3/4" Mesh Fabric, Add</i>	606.53	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-303.27	
32 31 13 13-0359 EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	4,286.21	137.96
<i>For Gate With Single Barb Wire Arm, Add</i>	425.91	
<i>For Gate With Double Barb Wire Arm, Add</i>	619.51	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-725.98	
<i>For Aluminized Steel Gate And Post, Add</i>	1,858.52	
<i>For Powder Coated Gate And Post, Add</i>	1,006.70	
<i>For 1" Mesh Fabric, Add</i>	1,684.28	
<i>For 1-1/4" Mesh Fabric, Add</i>	1,084.13	
<i>For 1-3/4" Mesh Fabric, Add</i>	673.71	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-336.86	
32 31 13 13-0360 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	4,718.48	155.21
<i>For Gate With Single Barb Wire Arm, Add</i>	467.76	
<i>For Gate With Double Barb Wire Arm, Add</i>	680.38	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-797.32	
<i>For Aluminized Steel Gate And Post, Add</i>	2,041.14	
<i>For Powder Coated Gate And Post, Add</i>	1,105.62	
<i>For 1" Mesh Fabric, Add</i>	1,849.79	
<i>For 1-1/4" Mesh Fabric, Add</i>	1,190.67	
<i>For 1-3/4" Mesh Fabric, Add</i>	739.91	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-369.96	
32 31 13 13-0361 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	5,176.73	177.35
<i>For Gate With Single Barb Wire Arm, Add</i>	510.85	
<i>For Gate With Double Barb Wire Arm, Add</i>	743.05	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-870.76	
<i>For Aluminized Steel Gate And Post, Add</i>	2,229.14	
<i>For Powder Coated Gate And Post, Add</i>	1,207.45	
<i>For 1" Mesh Fabric, Add</i>	2,020.16	
<i>For 1-1/4" Mesh Fabric, Add</i>	1,300.33	
<i>For 1-3/4" Mesh Fabric, Add</i>	808.06	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-404.03	
32 31 13 13-0362 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	5,657.19	206.94
<i>For Gate With Single Barb Wire Arm, Add</i>	553.93	
<i>For Gate With Double Barb Wire Arm, Add</i>	805.72	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-944.20	
<i>For Aluminized Steel Gate And Post, Add</i>	2,417.15	
<i>For Powder Coated Gate And Post, Add</i>	1,309.29	
<i>For 1" Mesh Fabric, Add</i>	2,190.54	
<i>For 1-1/4" Mesh Fabric, Add</i>	1,410.00	
<i>For 1-3/4" Mesh Fabric, Add</i>	876.22	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-438.11	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0363 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,167.55	248.32
For Gate With Single Barb Wire Arm, Add	596.40	
For Gate With Double Barb Wire Arm, Add	867.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,016.59	
For Aluminized Steel Gate And Post, Add	2,602.46	
For Powder Coated Gate And Post, Add	1,409.67	
For 1" Mesh Fabric, Add	2,358.48	
For 1-1/4" Mesh Fabric, Add	1,518.10	
For 1-3/4" Mesh Fabric, Add	943.39	
For 2-1/8" Mesh Fabric, Deduct	-471.70	
32 31 13 13-0364 EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,740.05	310.42
For Gate With Single Barb Wire Arm, Add	638.86	
For Gate With Double Barb Wire Arm, Add	929.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,088.97	
For Aluminized Steel Gate And Post, Add	2,787.77	
For Powder Coated Gate And Post, Add	1,510.04	
For 1" Mesh Fabric, Add	2,526.42	
For 1-1/4" Mesh Fabric, Add	1,626.20	
For 1-3/4" Mesh Fabric, Add	1,010.57	
For 2-1/8" Mesh Fabric, Deduct	-505.28	
32 31 13 13-0365 10' Fence Height (32 31 13 13-0264)		
32 31 13 13-0366 EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	720.51	36.11
For Gate With Single Barb Wire Arm, Add	67.33	
For Gate With Double Barb Wire Arm, Add	97.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.77	
For Aluminized Steel Gate And Post, Add	293.80	
For Powder Coated Gate And Post, Add	159.14	
For 1" Mesh Fabric, Add	266.25	
For 1-1/4" Mesh Fabric, Add	171.38	
For 1-3/4" Mesh Fabric, Add	106.50	
For 2-1/8" Mesh Fabric, Deduct	-53.25	
32 31 13 13-0367 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	924.54	36.11
For Gate With Single Barb Wire Arm, Add	89.77	
For Gate With Double Barb Wire Arm, Add	130.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.02	
For Aluminized Steel Gate And Post, Add	391.73	
For Powder Coated Gate And Post, Add	212.19	
For 1" Mesh Fabric, Add	355.01	
For 1-1/4" Mesh Fabric, Add	228.51	
For 1-3/4" Mesh Fabric, Add	142.00	
For 2-1/8" Mesh Fabric, Deduct	-71.00	
32 31 13 13-0368 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,073.06	37.67
For Gate With Single Barb Wire Arm, Add	105.58	
For Gate With Double Barb Wire Arm, Add	153.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.97	
For Aluminized Steel Gate And Post, Add	460.73	
For Powder Coated Gate And Post, Add	249.56	
For 1" Mesh Fabric, Add	417.54	
For 1-1/4" Mesh Fabric, Add	268.76	
For 1-3/4" Mesh Fabric, Add	167.02	
For 2-1/8" Mesh Fabric, Deduct	-83.51	
32 31 13 13-0369 EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,244.13	46.84
For Gate With Single Barb Wire Arm, Add	121.40	
For Gate With Double Barb Wire Arm, Add	176.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.93	
For Aluminized Steel Gate And Post, Add	529.73	
For Powder Coated Gate And Post, Add	286.94	
For 1" Mesh Fabric, Add	480.07	
For 1-1/4" Mesh Fabric, Add	309.01	
For 1-3/4" Mesh Fabric, Add	192.03	
For 2-1/8" Mesh Fabric, Deduct	-96.01	
32 31 13 13-0370 EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,414.61	55.52
For Gate With Single Barb Wire Arm, Add	137.21	
For Gate With Double Barb Wire Arm, Add	199.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-233.87	
For Aluminized Steel Gate And Post, Add	598.71	
For Powder Coated Gate And Post, Add	324.30	
For 1" Mesh Fabric, Add	542.58	
For 1-1/4" Mesh Fabric, Add	349.25	
For 1-3/4" Mesh Fabric, Add	217.03	
For 2-1/8" Mesh Fabric, Deduct	-108.52	
32 31 13 13-0371 EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,585.27	64.70
For Gate With Single Barb Wire Arm, Add	153.02	
For Gate With Double Barb Wire Arm, Add	222.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-260.83	
For Aluminized Steel Gate And Post, Add	667.71	
For Powder Coated Gate And Post, Add	361.68	
For 1" Mesh Fabric, Add	605.12	
For 1-1/4" Mesh Fabric, Add	389.50	
For 1-3/4" Mesh Fabric, Add	242.05	
For 2-1/8" Mesh Fabric, Deduct	-121.02	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0372 EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,755.35	73.49
For Gate With Single Barb Wire Arm, Add	168.83	
For Gate With Double Barb Wire Arm, Add	245.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-287.78	
For Aluminized Steel Gate And Post, Add	736.71	
For Powder Coated Gate And Post, Add	399.05	
For 1" Mesh Fabric, Add	667.65	
For 1-1/4" Mesh Fabric, Add	429.75	
For 1-3/4" Mesh Fabric, Add	267.06	
For 2-1/8" Mesh Fabric, Deduct	-133.53	
32 31 13 13-0373 EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,926.45	82.56
For Gate With Single Barb Wire Arm, Add	184.64	
For Gate With Double Barb Wire Arm, Add	268.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-314.73	
For Aluminized Steel Gate And Post, Add	805.71	
For Powder Coated Gate And Post, Add	436.43	
For 1" Mesh Fabric, Add	730.18	
For 1-1/4" Mesh Fabric, Add	470.00	
For 1-3/4" Mesh Fabric, Add	292.07	
For 2-1/8" Mesh Fabric, Deduct	-146.04	
32 31 13 13-0374 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,813.78	98.58
For Gate With Single Barb Wire Arm, Add	276.96	
For Gate With Double Barb Wire Arm, Add	402.85	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-472.10	
For Aluminized Steel Gate And Post, Add	1,208.56	
For Powder Coated Gate And Post, Add	654.64	
For 1" Mesh Fabric, Add	1,095.26	
For 1-1/4" Mesh Fabric, Add	705.00	
For 1-3/4" Mesh Fabric, Add	438.10	
For 2-1/8" Mesh Fabric, Deduct	-219.05	
32 31 13 13-0375 EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,060.30	106.04
For Gate With Single Barb Wire Arm, Add	301.59	
For Gate With Double Barb Wire Arm, Add	438.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.07	
For Aluminized Steel Gate And Post, Add	1,316.02	
For Powder Coated Gate And Post, Add	712.84	
For 1" Mesh Fabric, Add	1,192.64	
For 1-1/4" Mesh Fabric, Add	767.68	
For 1-3/4" Mesh Fabric, Add	477.06	
For 2-1/8" Mesh Fabric, Deduct	-238.53	
32 31 13 13-0376 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,489.78	115.01
For Gate With Single Barb Wire Arm, Add	345.90	
For Gate With Double Barb Wire Arm, Add	503.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-589.60	
For Aluminized Steel Gate And Post, Add	1,509.37	
For Powder Coated Gate And Post, Add	817.58	
For 1" Mesh Fabric, Add	1,367.87	
For 1-1/4" Mesh Fabric, Add	880.47	
For 1-3/4" Mesh Fabric, Add	547.15	
For 2-1/8" Mesh Fabric, Deduct	-273.57	
32 31 13 13-0377 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,968.63	125.38
For Gate With Single Barb Wire Arm, Add	395.14	
For Gate With Double Barb Wire Arm, Add	574.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-673.53	
For Aluminized Steel Gate And Post, Add	1,724.23	
For Powder Coated Gate And Post, Add	933.96	
For 1" Mesh Fabric, Add	1,562.58	
For 1-1/4" Mesh Fabric, Add	1,005.80	
For 1-3/4" Mesh Fabric, Add	625.03	
For 2-1/8" Mesh Fabric, Deduct	-312.52	
32 31 13 13-0378 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,454.06	137.96
For Gate With Single Barb Wire Arm, Add	444.37	
For Gate With Double Barb Wire Arm, Add	646.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-757.46	
For Aluminized Steel Gate And Post, Add	1,939.08	
For Powder Coated Gate And Post, Add	1,050.34	
For 1" Mesh Fabric, Add	1,757.30	
For 1-1/4" Mesh Fabric, Add	1,131.13	
For 1-3/4" Mesh Fabric, Add	702.92	
For 2-1/8" Mesh Fabric, Deduct	-351.46	
32 31 13 13-0379 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,950.29	153.23
For Gate With Single Barb Wire Arm, Add	493.92	
For Gate With Double Barb Wire Arm, Add	718.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-841.91	
For Aluminized Steel Gate And Post, Add	2,155.29	
For Powder Coated Gate And Post, Add	1,167.45	
For 1" Mesh Fabric, Add	1,953.23	
For 1-1/4" Mesh Fabric, Add	1,257.25	
For 1-3/4" Mesh Fabric, Add	781.29	
For 2-1/8" Mesh Fabric, Deduct	-390.65	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0380 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,458.49	172.45
For Gate With Single Barb Wire Arm, Add	543.47	
For Gate With Double Barb Wire Arm, Add	790.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-926.36	
For Aluminized Steel Gate And Post, Add	2,371.49	
For Powder Coated Gate And Post, Add	1,284.56	
For 1" Mesh Fabric, Add	2,149.16	
For 1-1/4" Mesh Fabric, Add	1,383.37	
For 1-3/4" Mesh Fabric, Add	859.66	
For 2-1/8" Mesh Fabric, Deduct	-429.83	
32 31 13 13-0381 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,979.71	196.93
For Gate With Single Barb Wire Arm, Add	592.70	
For Gate With Double Barb Wire Arm, Add	862.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.29	
For Aluminized Steel Gate And Post, Add	2,586.35	
For Powder Coated Gate And Post, Add	1,400.94	
For 1" Mesh Fabric, Add	2,343.88	
For 1-1/4" Mesh Fabric, Add	1,508.70	
For 1-3/4" Mesh Fabric, Add	937.55	
For 2-1/8" Mesh Fabric, Deduct	-468.78	
32 31 13 13-0382 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,526.35	229.90
For Gate With Single Barb Wire Arm, Add	641.94	
For Gate With Double Barb Wire Arm, Add	933.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,094.22	
For Aluminized Steel Gate And Post, Add	2,801.20	
For Powder Coated Gate And Post, Add	1,517.32	
For 1" Mesh Fabric, Add	2,538.59	
For 1-1/4" Mesh Fabric, Add	1,634.04	
For 1-3/4" Mesh Fabric, Add	1,015.44	
For 2-1/8" Mesh Fabric, Deduct	-507.72	
32 31 13 13-0383 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,111.33	275.69
For Gate With Single Barb Wire Arm, Add	691.18	
For Gate With Double Barb Wire Arm, Add	1,005.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,178.15	
For Aluminized Steel Gate And Post, Add	3,016.06	
For Powder Coated Gate And Post, Add	1,633.70	
For 1" Mesh Fabric, Add	2,733.30	
For 1-1/4" Mesh Fabric, Add	1,759.37	
For 1-3/4" Mesh Fabric, Add	1,093.32	
For 2-1/8" Mesh Fabric, Deduct	-546.66	
32 31 13 13-0384 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,772.44	344.91
For Gate With Single Barb Wire Arm, Add	741.03	
For Gate With Double Barb Wire Arm, Add	1,077.87	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,263.13	
For Aluminized Steel Gate And Post, Add	3,233.60	
For Powder Coated Gate And Post, Add	1,751.53	
For 1" Mesh Fabric, Add	2,930.45	
For 1-1/4" Mesh Fabric, Add	1,886.27	
For 1-3/4" Mesh Fabric, Add	1,172.18	
For 2-1/8" Mesh Fabric, Deduct	-586.09	
32 31 13 13-0385 12' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0386 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	903.95	40.11
For Gate With Single Barb Wire Arm, Add	86.18	
For Gate With Double Barb Wire Arm, Add	125.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.90	
For Aluminized Steel Gate And Post, Add	376.07	
For Powder Coated Gate And Post, Add	203.70	
For 1" Mesh Fabric, Add	340.81	
For 1-1/4" Mesh Fabric, Add	219.37	
For 1-3/4" Mesh Fabric, Add	136.32	
For 2-1/8" Mesh Fabric, Deduct	-68.16	
32 31 13 13-0387 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,165.09	40.11
For Gate With Single Barb Wire Arm, Add	114.91	
For Gate With Double Barb Wire Arm, Add	167.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.86	
For Aluminized Steel Gate And Post, Add	501.41	
For Powder Coated Gate And Post, Add	271.60	
For 1" Mesh Fabric, Add	454.41	
For 1-1/4" Mesh Fabric, Add	292.49	
For 1-3/4" Mesh Fabric, Add	181.76	
For 2-1/8" Mesh Fabric, Deduct	-90.88	
32 31 13 13-0388 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,353.53	41.57
For Gate With Single Barb Wire Arm, Add	135.15	
For Gate With Double Barb Wire Arm, Add	196.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-230.37	
For Aluminized Steel Gate And Post, Add	589.74	
For Powder Coated Gate And Post, Add	319.44	
For 1" Mesh Fabric, Add	534.45	
For 1-1/4" Mesh Fabric, Add	344.01	
For 1-3/4" Mesh Fabric, Add	213.78	
For 2-1/8" Mesh Fabric, Deduct	-106.89	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0389 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,567.77	51.62
For Gate With Single Barb Wire Arm, Add	155.39	
For Gate With Double Barb Wire Arm, Add	226.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-264.86	
For Aluminized Steel Gate And Post, Add	678.05	
For Powder Coated Gate And Post, Add	367.28	
For 1" Mesh Fabric, Add	614.49	
For 1-1/4" Mesh Fabric, Add	395.53	
For 1-3/4" Mesh Fabric, Add	245.79	
For 2-1/8" Mesh Fabric, Deduct	-122.90	
32 31 13 13-0390 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	656.68	61.78
For Gate With Single Barb Wire Arm, Add	51.84	
For Gate With Double Barb Wire Arm, Add	75.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.36	
For Aluminized Steel Gate And Post, Add	226.20	
For Powder Coated Gate And Post, Add	122.53	
For 1" Mesh Fabric, Add	205.00	
For 1-1/4" Mesh Fabric, Add	131.95	
For 1-3/4" Mesh Fabric, Add	82.00	
For 2-1/8" Mesh Fabric, Deduct	-41.00	
32 31 13 13-0391 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	740.27	71.53
For Gate With Single Barb Wire Arm, Add	57.81	
For Gate With Double Barb Wire Arm, Add	84.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.54	
For Aluminized Steel Gate And Post, Add	252.27	
For Powder Coated Gate And Post, Add	136.65	
For 1" Mesh Fabric, Add	228.62	
For 1-1/4" Mesh Fabric, Add	147.16	
For 1-3/4" Mesh Fabric, Add	91.45	
For 2-1/8" Mesh Fabric, Deduct	-45.72	
32 31 13 13-0392 EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	824.83	81.58
For Gate With Single Barb Wire Arm, Add	63.79	
For Gate With Double Barb Wire Arm, Add	92.78	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.73	
For Aluminized Steel Gate And Post, Add	278.34	
For Powder Coated Gate And Post, Add	150.77	
For 1" Mesh Fabric, Add	252.25	
For 1-1/4" Mesh Fabric, Add	162.37	
For 1-3/4" Mesh Fabric, Add	100.90	
For 2-1/8" Mesh Fabric, Deduct	-50.45	
32 31 13 13-0393 EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	909.39	91.64
For Gate With Single Barb Wire Arm, Add	69.76	
For Gate With Double Barb Wire Arm, Add	101.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.91	
For Aluminized Steel Gate And Post, Add	304.41	
For Powder Coated Gate And Post, Add	164.89	
For 1" Mesh Fabric, Add	275.87	
For 1-1/4" Mesh Fabric, Add	177.57	
For 1-3/4" Mesh Fabric, Add	110.35	
For 2-1/8" Mesh Fabric, Deduct	-55.17	
32 31 13 13-0394 EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,212.40	109.54
For Gate With Single Barb Wire Arm, Add	97.19	
For Gate With Double Barb Wire Arm, Add	141.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.67	
For Aluminized Steel Gate And Post, Add	424.12	
For Powder Coated Gate And Post, Add	229.73	
For 1" Mesh Fabric, Add	384.36	
For 1-1/4" Mesh Fabric, Add	247.40	
For 1-3/4" Mesh Fabric, Add	153.74	
For 2-1/8" Mesh Fabric, Deduct	-76.87	
32 31 13 13-0395 EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,325.02	117.92
For Gate With Single Barb Wire Arm, Add	106.82	
For Gate With Double Barb Wire Arm, Add	155.38	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.09	
For Aluminized Steel Gate And Post, Add	466.14	
For Powder Coated Gate And Post, Add	252.49	
For 1" Mesh Fabric, Add	422.44	
For 1-1/4" Mesh Fabric, Add	271.91	
For 1-3/4" Mesh Fabric, Add	168.97	
For 2-1/8" Mesh Fabric, Deduct	-84.49	
32 31 13 13-0396 EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,496.77	127.71
For Gate With Single Barb Wire Arm, Add	122.45	
For Gate With Double Barb Wire Arm, Add	178.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.72	
For Aluminized Steel Gate And Post, Add	534.31	
For Powder Coated Gate And Post, Add	289.42	
For 1" Mesh Fabric, Add	484.22	
For 1-1/4" Mesh Fabric, Add	311.68	
For 1-3/4" Mesh Fabric, Add	193.69	
For 2-1/8" Mesh Fabric, Deduct	-96.84	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0397 EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,690.10	139.25
For Gate With Single Barb Wire Arm, Add	139.89	
For Gate With Double Barb Wire Arm, Add	203.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-238.44	
For Aluminized Steel Gate And Post, Add	610.42	
For Powder Coated Gate And Post, Add	330.64	
For 1" Mesh Fabric, Add	553.19	
For 1-1/4" Mesh Fabric, Add	356.08	
For 1-3/4" Mesh Fabric, Add	221.28	
For 2-1/8" Mesh Fabric, Deduct	-110.64	
32 31 13 13-0398 EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,305.59	153.35
For Gate With Single Barb Wire Arm, Add	533.00	
For Gate With Double Barb Wire Arm, Add	775.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-908.53	
For Aluminized Steel Gate And Post, Add	2,325.83	
For Powder Coated Gate And Post, Add	1,259.82	
For 1" Mesh Fabric, Add	2,107.78	
For 1-1/4" Mesh Fabric, Add	1,356.73	
For 1-3/4" Mesh Fabric, Add	843.11	
For 2-1/8" Mesh Fabric, Deduct	-421.56	
32 31 13 13-0399 EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,899.29	170.24
For Gate With Single Barb Wire Arm, Add	592.70	
For Gate With Double Barb Wire Arm, Add	862.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.29	
For Aluminized Steel Gate And Post, Add	2,586.35	
For Powder Coated Gate And Post, Add	1,400.94	
For 1" Mesh Fabric, Add	2,343.88	
For 1-1/4" Mesh Fabric, Add	1,508.70	
For 1-3/4" Mesh Fabric, Add	937.55	
For 2-1/8" Mesh Fabric, Deduct	-468.78	
32 31 13 13-0400 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,500.79	191.57
For Gate With Single Barb Wire Arm, Add	651.79	
For Gate With Double Barb Wire Arm, Add	948.06	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,111.01	
For Aluminized Steel Gate And Post, Add	2,844.17	
For Powder Coated Gate And Post, Add	1,540.59	
For 1" Mesh Fabric, Add	2,577.53	
For 1-1/4" Mesh Fabric, Add	1,659.10	
For 1-3/4" Mesh Fabric, Add	1,031.01	
For 2-1/8" Mesh Fabric, Deduct	-515.51	
32 31 13 13-0401 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,125.31	218.83
For Gate With Single Barb Wire Arm, Add	711.49	
For Gate With Double Barb Wire Arm, Add	1,034.90	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,212.77	
For Aluminized Steel Gate And Post, Add	3,104.69	
For Powder Coated Gate And Post, Add	1,681.71	
For 1" Mesh Fabric, Add	2,813.62	
For 1-1/4" Mesh Fabric, Add	1,811.07	
For 1-3/4" Mesh Fabric, Add	1,125.45	
For 2-1/8" Mesh Fabric, Deduct	-562.72	
32 31 13 13-0402 EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,766.88	255.54
For Gate With Single Barb Wire Arm, Add	769.96	
For Gate With Double Barb Wire Arm, Add	1,119.94	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,312.43	
For Aluminized Steel Gate And Post, Add	3,359.83	
For Powder Coated Gate And Post, Add	1,819.91	
For 1" Mesh Fabric, Add	3,044.85	
For 1-1/4" Mesh Fabric, Add	1,959.90	
For 1-3/4" Mesh Fabric, Add	1,217.94	
For 2-1/8" Mesh Fabric, Deduct	-608.97	
32 31 13 13-0403 EA 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,456.66	306.35
For Gate With Single Barb Wire Arm, Add	829.05	
For Gate With Double Barb Wire Arm, Add	1,205.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,413.15	
For Aluminized Steel Gate And Post, Add	3,617.66	
For Powder Coated Gate And Post, Add	1,959.57	
For 1" Mesh Fabric, Add	3,278.50	
For 1-1/4" Mesh Fabric, Add	2,110.30	
For 1-3/4" Mesh Fabric, Add	1,311.40	
For 2-1/8" Mesh Fabric, Deduct	-655.70	
32 31 13 13-0404 EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,230.39	383.25
For Gate With Single Barb Wire Arm, Add	888.75	
For Gate With Double Barb Wire Arm, Add	1,292.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,514.91	
For Aluminized Steel Gate And Post, Add	3,878.17	
For Powder Coated Gate And Post, Add	2,100.68	
For 1" Mesh Fabric, Add	3,514.60	
For 1-1/4" Mesh Fabric, Add	2,262.27	
For 1-3/4" Mesh Fabric, Add	1,405.84	
For 2-1/8" Mesh Fabric, Deduct	-702.92	

32 31 13 13-0405 Vinyl Coated Without Barb Wire Arm (32 31 13 13-0263)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0406 4' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0407 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	183.40	24.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-20.66	
For 1" Mesh Fabric, Add	47.94	
For 1-1/4" Mesh Fabric, Add	30.86	
For 1-3/4" Mesh Fabric, Add	19.18	
For 2-1/8" Mesh Fabric, Deduct	-9.59	
For Gate With Single Barb Wire Arm, Add	12.12	
For Gate With Double Barb Wire Arm, Add	17.63	
32 31 13 13-0408 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	220.13	24.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.55	
For 1" Mesh Fabric, Add	63.92	
For 1-1/4" Mesh Fabric, Add	41.14	
For 1-3/4" Mesh Fabric, Add	25.57	
For 2-1/8" Mesh Fabric, Deduct	-12.78	
For Gate With Single Barb Wire Arm, Add	16.16	
For Gate With Double Barb Wire Arm, Add	23.51	
32 31 13 13-0409 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	255.63	25.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.29	
For 1" Mesh Fabric, Add	77.24	
For 1-1/4" Mesh Fabric, Add	49.72	
For 1-3/4" Mesh Fabric, Add	30.90	
For 2-1/8" Mesh Fabric, Deduct	-15.45	
For Gate With Single Barb Wire Arm, Add	19.53	
For Gate With Double Barb Wire Arm, Add	28.41	
32 31 13 13-0410 EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	301.86	31.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.03	
For 1" Mesh Fabric, Add	90.55	
For 1-1/4" Mesh Fabric, Add	58.29	
For 1-3/4" Mesh Fabric, Add	36.22	
For 2-1/8" Mesh Fabric, Deduct	-18.11	
For Gate With Single Barb Wire Arm, Add	22.90	
For Gate With Double Barb Wire Arm, Add	33.31	
32 31 13 13-0411 EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	348.07	36.40
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.77	
For 1" Mesh Fabric, Add	103.86	
For 1-1/4" Mesh Fabric, Add	66.86	
For 1-3/4" Mesh Fabric, Add	41.55	
For 2-1/8" Mesh Fabric, Deduct	-20.77	
For Gate With Single Barb Wire Arm, Add	26.26	
For Gate With Double Barb Wire Arm, Add	38.20	
32 31 13 13-0412 EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	394.31	41.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.51	
For 1" Mesh Fabric, Add	117.19	
For 1-1/4" Mesh Fabric, Add	75.43	
For 1-3/4" Mesh Fabric, Add	46.88	
For 2-1/8" Mesh Fabric, Deduct	-23.44	
For Gate With Single Barb Wire Arm, Add	29.63	
For Gate With Double Barb Wire Arm, Add	43.10	
32 31 13 13-0413 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	440.54	46.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.25	
For 1" Mesh Fabric, Add	130.50	
For 1-1/4" Mesh Fabric, Add	84.00	
For 1-3/4" Mesh Fabric, Add	52.20	
For 2-1/8" Mesh Fabric, Deduct	-26.10	
For Gate With Single Barb Wire Arm, Add	33.00	
For Gate With Double Barb Wire Arm, Add	48.00	
32 31 13 13-0414 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	486.75	52.01
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.99	
For 1" Mesh Fabric, Add	143.82	
For 1-1/4" Mesh Fabric, Add	92.57	
For 1-3/4" Mesh Fabric, Add	57.53	
For 2-1/8" Mesh Fabric, Deduct	-28.76	
For Gate With Single Barb Wire Arm, Add	36.37	
For Gate With Double Barb Wire Arm, Add	52.90	
32 31 13 13-0415 EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	596.96	52.01
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.65	
For 1" Mesh Fabric, Add	191.76	
For 1-1/4" Mesh Fabric, Add	123.43	
For 1-3/4" Mesh Fabric, Add	76.70	
For 2-1/8" Mesh Fabric, Deduct	-38.35	
For Gate With Single Barb Wire Arm, Add	48.49	
For Gate With Double Barb Wire Arm, Add	70.53	
32 31 13 13-0416 EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	696.28	55.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.19	
For 1" Mesh Fabric, Add	230.11	
For 1-1/4" Mesh Fabric, Add	148.12	
For 1-3/4" Mesh Fabric, Add	92.04	
For 2-1/8" Mesh Fabric, Deduct	-46.02	
For Gate With Single Barb Wire Arm, Add	58.19	
For Gate With Double Barb Wire Arm, Add	84.64	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0417 EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	797.31	60.02
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.72	
For 1" Mesh Fabric, Add	268.46	
For 1-1/4" Mesh Fabric, Add	172.80	
For 1-3/4" Mesh Fabric, Add	107.38	
For 2-1/8" Mesh Fabric, Deduct	-53.69	
For Gate With Single Barb Wire Arm, Add	67.89	
For Gate With Double Barb Wire Arm, Add	98.74	
32 31 13 13-0418 EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	900.50	65.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.25	
For 1" Mesh Fabric, Add	306.81	
For 1-1/4" Mesh Fabric, Add	197.49	
For 1-3/4" Mesh Fabric, Add	122.73	
For 2-1/8" Mesh Fabric, Deduct	-61.36	
For Gate With Single Barb Wire Arm, Add	77.59	
For Gate With Double Barb Wire Arm, Add	112.85	
32 31 13 13-0419 EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,042.07	82.73
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.78	
For 1" Mesh Fabric, Add	345.16	
For 1-1/4" Mesh Fabric, Add	222.17	
For 1-3/4" Mesh Fabric, Add	138.07	
For 2-1/8" Mesh Fabric, Deduct	-69.03	
For Gate With Single Barb Wire Arm, Add	87.28	
For Gate With Double Barb Wire Arm, Add	126.96	
32 31 13 13-0420 EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,147.99	88.67
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.31	
For 1" Mesh Fabric, Add	383.51	
For 1-1/4" Mesh Fabric, Add	246.86	
For 1-3/4" Mesh Fabric, Add	153.41	
For 2-1/8" Mesh Fabric, Deduct	-76.70	
For Gate With Single Barb Wire Arm, Add	96.98	
For Gate With Double Barb Wire Arm, Add	141.06	
32 31 13 13-0421 EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,256.64	95.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-181.84	
For 1" Mesh Fabric, Add	421.87	
For 1-1/4" Mesh Fabric, Add	271.55	
For 1-3/4" Mesh Fabric, Add	168.75	
For 2-1/8" Mesh Fabric, Deduct	-84.37	
For Gate With Single Barb Wire Arm, Add	106.68	
For Gate With Double Barb Wire Arm, Add	155.17	
32 31 13 13-0422 EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,368.70	103.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.37	
For 1" Mesh Fabric, Add	460.22	
For 1-1/4" Mesh Fabric, Add	296.23	
For 1-3/4" Mesh Fabric, Add	184.09	
For 2-1/8" Mesh Fabric, Deduct	-92.04	
For Gate With Single Barb Wire Arm, Add	116.38	
For Gate With Double Barb Wire Arm, Add	169.28	
32 31 13 13-0423 EA 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,485.12	112.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-214.90	
For 1" Mesh Fabric, Add	498.57	
For 1-1/4" Mesh Fabric, Add	320.92	
For 1-3/4" Mesh Fabric, Add	199.43	
For 2-1/8" Mesh Fabric, Deduct	-99.71	
For Gate With Single Barb Wire Arm, Add	126.08	
For Gate With Double Barb Wire Arm, Add	183.38	
32 31 13 13-0424 EA 28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,607.18	124.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-231.43	
For 1" Mesh Fabric, Add	536.92	
For 1-1/4" Mesh Fabric, Add	345.60	
For 1-3/4" Mesh Fabric, Add	214.77	
For 2-1/8" Mesh Fabric, Deduct	-107.38	
For Gate With Single Barb Wire Arm, Add	135.77	
For Gate With Double Barb Wire Arm, Add	197.49	
32 31 13 13-0425 EA 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,736.77	137.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-247.96	
For 1" Mesh Fabric, Add	575.27	
For 1-1/4" Mesh Fabric, Add	370.29	
For 1-3/4" Mesh Fabric, Add	230.11	
For 2-1/8" Mesh Fabric, Deduct	-115.05	
For Gate With Single Barb Wire Arm, Add	145.47	
For Gate With Double Barb Wire Arm, Add	211.60	
32 31 13 13-0426 5' Fence Height (32 31 13 13-0405)		
32 31 13 13-0427 EA 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	214.63	25.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.61	
For 1" Mesh Fabric, Add	59.40	
For 1-1/4" Mesh Fabric, Add	38.24	
For 1-3/4" Mesh Fabric, Add	23.76	
For 2-1/8" Mesh Fabric, Deduct	-11.88	
For Gate With Single Barb Wire Arm, Add	15.02	
For Gate With Double Barb Wire Arm, Add	21.85	



	Exterior Improvements	32
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0428 EA 4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	260.15	25.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.14	
For 1" Mesh Fabric, Add	79.20	
For 1-1/4" Mesh Fabric, Add	50.98	
For 1-3/4" Mesh Fabric, Add	31.68	
For 2-1/8" Mesh Fabric, Deduct	-15.84	
For Gate With Single Barb Wire Arm, Add	20.03	
For Gate With Double Barb Wire Arm, Add	29.13	
32 31 13 13-0429 EA 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	299.18	27.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.54	
For 1" Mesh Fabric, Add	94.06	
For 1-1/4" Mesh Fabric, Add	60.54	
For 1-3/4" Mesh Fabric, Add	37.62	
For 2-1/8" Mesh Fabric, Deduct	-18.81	
For Gate With Single Barb Wire Arm, Add	23.79	
For Gate With Double Barb Wire Arm, Add	34.60	
32 31 13 13-0430 EA 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	349.90	33.18
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.94	
For 1" Mesh Fabric, Add	108.91	
For 1-1/4" Mesh Fabric, Add	70.10	
For 1-3/4" Mesh Fabric, Add	43.56	
For 2-1/8" Mesh Fabric, Deduct	-21.78	
For Gate With Single Barb Wire Arm, Add	27.54	
For Gate With Double Barb Wire Arm, Add	40.06	
32 31 13 13-0431 EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	400.64	38.65
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.35	
For 1" Mesh Fabric, Add	123.76	
For 1-1/4" Mesh Fabric, Add	79.66	
For 1-3/4" Mesh Fabric, Add	49.50	
For 2-1/8" Mesh Fabric, Deduct	-24.75	
For Gate With Single Barb Wire Arm, Add	31.30	
For Gate With Double Barb Wire Arm, Add	45.52	
32 31 13 13-0432 EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	452.33	44.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.75	
For 1" Mesh Fabric, Add	138.61	
For 1-1/4" Mesh Fabric, Add	89.22	
For 1-3/4" Mesh Fabric, Add	55.44	
For 2-1/8" Mesh Fabric, Deduct	-27.72	
For Gate With Single Barb Wire Arm, Add	35.05	
For Gate With Double Barb Wire Arm, Add	50.98	
32 31 13 13-0433 EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	503.07	50.06
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.15	
For 1" Mesh Fabric, Add	153.46	
For 1-1/4" Mesh Fabric, Add	98.78	
For 1-3/4" Mesh Fabric, Add	61.39	
For 2-1/8" Mesh Fabric, Deduct	-30.69	
For Gate With Single Barb Wire Arm, Add	38.81	
For Gate With Double Barb Wire Arm, Add	56.45	
32 31 13 13-0434 EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	553.79	55.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.55	
For 1" Mesh Fabric, Add	168.31	
For 1-1/4" Mesh Fabric, Add	108.34	
For 1-3/4" Mesh Fabric, Add	67.32	
For 2-1/8" Mesh Fabric, Deduct	-33.66	
For Gate With Single Barb Wire Arm, Add	42.56	
For Gate With Double Barb Wire Arm, Add	61.91	
32 31 13 13-0435 EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	713.53	55.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.42	
For 1" Mesh Fabric, Add	237.61	
For 1-1/4" Mesh Fabric, Add	152.95	
For 1-3/4" Mesh Fabric, Add	95.05	
For 2-1/8" Mesh Fabric, Deduct	-47.52	
For Gate With Single Barb Wire Arm, Add	60.09	
For Gate With Double Barb Wire Arm, Add	87.40	
32 31 13 13-0436 EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	835.65	60.02
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.90	
For 1" Mesh Fabric, Add	285.14	
For 1-1/4" Mesh Fabric, Add	183.54	
For 1-3/4" Mesh Fabric, Add	114.06	
For 2-1/8" Mesh Fabric, Deduct	-57.03	
For Gate With Single Barb Wire Arm, Add	72.10	
For Gate With Double Barb Wire Arm, Add	104.88	
32 31 13 13-0437 EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	959.91	65.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.39	
For 1" Mesh Fabric, Add	332.66	
For 1-1/4" Mesh Fabric, Add	214.12	
For 1-3/4" Mesh Fabric, Add	133.06	
For 2-1/8" Mesh Fabric, Deduct	-66.53	
For Gate With Single Barb Wire Arm, Add	84.12	
For Gate With Double Barb Wire Arm, Add	122.36	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0438 EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,122.57	82.73
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.87	
For 1" Mesh Fabric, Add	380.18	
For 1-1/4" Mesh Fabric, Add	244.71	
For 1-3/4" Mesh Fabric, Add	152.07	
For 2-1/8" Mesh Fabric, Deduct	-76.04	
For Gate With Single Barb Wire Arm, Add	96.14	
For Gate With Double Barb Wire Arm, Add	139.84	
32 31 13 13-0439 EA 18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,249.58	88.67
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-184.36	
For 1" Mesh Fabric, Add	427.71	
For 1-1/4" Mesh Fabric, Add	275.30	
For 1-3/4" Mesh Fabric, Add	171.08	
For 2-1/8" Mesh Fabric, Deduct	-85.54	
For Gate With Single Barb Wire Arm, Add	108.16	
For Gate With Double Barb Wire Arm, Add	157.32	
32 31 13 13-0440 EA 20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,379.31	95.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-204.84	
For 1" Mesh Fabric, Add	475.23	
For 1-1/4" Mesh Fabric, Add	305.89	
For 1-3/4" Mesh Fabric, Add	190.09	
For 2-1/8" Mesh Fabric, Deduct	-95.05	
For Gate With Single Barb Wire Arm, Add	120.17	
For Gate With Double Barb Wire Arm, Add	174.80	
32 31 13 13-0441 EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,512.45	103.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.32	
For 1" Mesh Fabric, Add	522.75	
For 1-1/4" Mesh Fabric, Add	336.48	
For 1-3/4" Mesh Fabric, Add	209.10	
For 2-1/8" Mesh Fabric, Deduct	-104.55	
For Gate With Single Barb Wire Arm, Add	132.19	
For Gate With Double Barb Wire Arm, Add	192.28	
32 31 13 13-0442 EA 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,649.95	112.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-245.81	
For 1" Mesh Fabric, Add	570.27	
For 1-1/4" Mesh Fabric, Add	367.07	
For 1-3/4" Mesh Fabric, Add	228.11	
For 2-1/8" Mesh Fabric, Deduct	-114.05	
For Gate With Single Barb Wire Arm, Add	144.21	
For Gate With Double Barb Wire Arm, Add	209.76	
32 31 13 13-0443 EA 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,793.10	124.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.29	
For 1" Mesh Fabric, Add	617.80	
For 1-1/4" Mesh Fabric, Add	397.66	
For 1-3/4" Mesh Fabric, Add	247.12	
For 2-1/8" Mesh Fabric, Deduct	-123.56	
For Gate With Single Barb Wire Arm, Add	156.22	
For Gate With Double Barb Wire Arm, Add	227.24	
32 31 13 13-0444 EA 28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,943.77	137.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-286.78	
For 1" Mesh Fabric, Add	665.32	
For 1-1/4" Mesh Fabric, Add	428.25	
For 1-3/4" Mesh Fabric, Add	266.13	
For 2-1/8" Mesh Fabric, Deduct	-133.06	
For Gate With Single Barb Wire Arm, Add	168.24	
For Gate With Double Barb Wire Arm, Add	244.72	
32 31 13 13-0445 EA 30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,104.82	155.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-307.26	
For 1" Mesh Fabric, Add	712.84	
For 1-1/4" Mesh Fabric, Add	458.84	
For 1-3/4" Mesh Fabric, Add	285.14	
For 2-1/8" Mesh Fabric, Deduct	-142.57	
For Gate With Single Barb Wire Arm, Add	180.26	
For Gate With Double Barb Wire Arm, Add	262.20	
32 31 13 13-0446 6' Fence Height (32 31 13 13-0405)		
32 31 13 13-0447 EA 3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	229.59	27.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.36	
For 1" Mesh Fabric, Add	63.48	
For 1-1/4" Mesh Fabric, Add	40.86	
For 1-3/4" Mesh Fabric, Add	25.39	
For 2-1/8" Mesh Fabric, Deduct	-12.70	
For Gate With Single Barb Wire Arm, Add	16.05	
For Gate With Double Barb Wire Arm, Add	23.35	
32 31 13 13-0448 EA 4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	278.24	27.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.49	
For 1" Mesh Fabric, Add	84.65	
For 1-1/4" Mesh Fabric, Add	54.49	
For 1-3/4" Mesh Fabric, Add	33.86	
For 2-1/8" Mesh Fabric, Deduct	-16.93	
For Gate With Single Barb Wire Arm, Add	21.40	
For Gate With Double Barb Wire Arm, Add	31.13	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0449 EA 5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	319.88	29.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.33	
For 1" Mesh Fabric, Add	100.52	
For 1-1/4" Mesh Fabric, Add	64.70	
For 1-3/4" Mesh Fabric, Add	40.21	
For 2-1/8" Mesh Fabric, Deduct	-20.10	
For Gate With Single Barb Wire Arm, Add	25.42	
For Gate With Double Barb Wire Arm, Add	36.97	
32 31 13 13-0450 EA 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	374.91	35.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.17	
For 1" Mesh Fabric, Add	116.39	
For 1-1/4" Mesh Fabric, Add	74.92	
For 1-3/4" Mesh Fabric, Add	46.56	
For 2-1/8" Mesh Fabric, Deduct	-23.28	
For Gate With Single Barb Wire Arm, Add	29.43	
For Gate With Double Barb Wire Arm, Add	42.81	
32 31 13 13-0451 EA 7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	429.94	41.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.01	
For 1" Mesh Fabric, Add	132.26	
For 1-1/4" Mesh Fabric, Add	85.13	
For 1-3/4" Mesh Fabric, Add	52.90	
For 2-1/8" Mesh Fabric, Deduct	-26.45	
For Gate With Single Barb Wire Arm, Add	33.45	
For Gate With Double Barb Wire Arm, Add	48.65	
32 31 13 13-0452 EA 8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	483.98	47.82
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.85	
For 1" Mesh Fabric, Add	148.13	
For 1-1/4" Mesh Fabric, Add	95.35	
For 1-3/4" Mesh Fabric, Add	59.25	
For 2-1/8" Mesh Fabric, Deduct	-29.63	
For Gate With Single Barb Wire Arm, Add	37.46	
For Gate With Double Barb Wire Arm, Add	54.49	
32 31 13 13-0453 EA 9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	539.02	53.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.69	
For 1" Mesh Fabric, Add	164.00	
For 1-1/4" Mesh Fabric, Add	105.57	
For 1-3/4" Mesh Fabric, Add	65.60	
For 2-1/8" Mesh Fabric, Deduct	-32.80	
For Gate With Single Barb Wire Arm, Add	41.47	
For Gate With Double Barb Wire Arm, Add	60.32	
32 31 13 13-0454 EA 10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	594.05	60.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.53	
For 1" Mesh Fabric, Add	179.88	
For 1-1/4" Mesh Fabric, Add	115.78	
For 1-3/4" Mesh Fabric, Add	71.95	
For 2-1/8" Mesh Fabric, Deduct	-35.98	
For Gate With Single Barb Wire Arm, Add	45.49	
For Gate With Double Barb Wire Arm, Add	66.16	
32 31 13 13-0455 EA 10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	763.93	60.02
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.46	
For 1" Mesh Fabric, Add	253.94	
For 1-1/4" Mesh Fabric, Add	163.46	
For 1-3/4" Mesh Fabric, Add	101.58	
For 2-1/8" Mesh Fabric, Deduct	-50.79	
For Gate With Single Barb Wire Arm, Add	64.21	
For Gate With Double Barb Wire Arm, Add	93.40	
32 31 13 13-0456 EA 12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	895.71	65.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.35	
For 1" Mesh Fabric, Add	304.73	
For 1-1/4" Mesh Fabric, Add	196.15	
For 1-3/4" Mesh Fabric, Add	121.89	
For 2-1/8" Mesh Fabric, Deduct	-60.95	
For Gate With Single Barb Wire Arm, Add	77.06	
For Gate With Double Barb Wire Arm, Add	112.08	
32 31 13 13-0457 EA 14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,083.63	88.67
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.24	
For 1" Mesh Fabric, Add	355.52	
For 1-1/4" Mesh Fabric, Add	228.84	
For 1-3/4" Mesh Fabric, Add	142.21	
For 2-1/8" Mesh Fabric, Deduct	-71.10	
For Gate With Single Barb Wire Arm, Add	89.90	
For Gate With Double Barb Wire Arm, Add	130.76	
32 31 13 13-0458 EA 16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,220.87	95.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.13	
For 1" Mesh Fabric, Add	406.31	
For 1-1/4" Mesh Fabric, Add	261.53	
For 1-3/4" Mesh Fabric, Add	162.52	
For 2-1/8" Mesh Fabric, Deduct	-81.26	
For Gate With Single Barb Wire Arm, Add	102.74	
For Gate With Double Barb Wire Arm, Add	149.45	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0459 EA 18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,361.52	103.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.02	
For 1" Mesh Fabric, Add	457.09	
For 1-1/4" Mesh Fabric, Add	294.22	
For 1-3/4" Mesh Fabric, Add	182.84	
For 2-1/8" Mesh Fabric, Deduct	-91.42	
For Gate With Single Barb Wire Arm, Add	115.59	
For Gate With Double Barb Wire Arm, Add	168.13	
32 31 13 13-0460 EA 20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,528.10	112.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.96	
For 1" Mesh Fabric, Add	517.27	
For 1-1/4" Mesh Fabric, Add	332.95	
For 1-3/4" Mesh Fabric, Add	206.91	
For 2-1/8" Mesh Fabric, Deduct	-103.45	
For Gate With Single Barb Wire Arm, Add	130.80	
For Gate With Double Barb Wire Arm, Add	190.26	
32 31 13 13-0461 EA 22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,661.10	124.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-241.54	
For 1" Mesh Fabric, Add	560.38	
For 1-1/4" Mesh Fabric, Add	360.70	
For 1-3/4" Mesh Fabric, Add	224.15	
For 2-1/8" Mesh Fabric, Deduct	-112.08	
For Gate With Single Barb Wire Arm, Add	141.70	
For Gate With Double Barb Wire Arm, Add	206.12	
32 31 13 13-0462 EA 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,815.36	137.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.70	
For 1" Mesh Fabric, Add	609.46	
For 1-1/4" Mesh Fabric, Add	392.30	
For 1-3/4" Mesh Fabric, Add	243.78	
For 2-1/8" Mesh Fabric, Deduct	-121.89	
For Gate With Single Barb Wire Arm, Add	154.12	
For Gate With Double Barb Wire Arm, Add	224.17	
32 31 13 13-0463 EA 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,983.91	155.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.59	
For 1" Mesh Fabric, Add	660.25	
For 1-1/4" Mesh Fabric, Add	424.99	
For 1-3/4" Mesh Fabric, Add	264.10	
For 2-1/8" Mesh Fabric, Deduct	-132.05	
For Gate With Single Barb Wire Arm, Add	166.96	
For Gate With Double Barb Wire Arm, Add	242.85	
32 31 13 13-0464 EA 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,167.25	177.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.48	
For 1" Mesh Fabric, Add	711.04	
For 1-1/4" Mesh Fabric, Add	457.68	
For 1-3/4" Mesh Fabric, Add	284.42	
For 2-1/8" Mesh Fabric, Deduct	-142.21	
For Gate With Single Barb Wire Arm, Add	179.80	
For Gate With Double Barb Wire Arm, Add	261.53	
32 31 13 13-0465 EA 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,372.79	206.94
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-328.37	
For 1" Mesh Fabric, Add	761.82	
For 1-1/4" Mesh Fabric, Add	490.37	
For 1-3/4" Mesh Fabric, Add	304.73	
For 2-1/8" Mesh Fabric, Deduct	-152.36	
For Gate With Single Barb Wire Arm, Add	192.65	
For Gate With Double Barb Wire Arm, Add	280.21	
32 31 13 13-0466 7' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0467 EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	243.37	29.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.74	
For 1" Mesh Fabric, Add	66.68	
For 1-1/4" Mesh Fabric, Add	42.92	
For 1-3/4" Mesh Fabric, Add	26.67	
For 2-1/8" Mesh Fabric, Deduct	-13.34	
For Gate With Single Barb Wire Arm, Add	16.86	
For Gate With Double Barb Wire Arm, Add	24.53	
32 31 13 13-0468 EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	294.47	29.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.32	
For 1" Mesh Fabric, Add	88.91	
For 1-1/4" Mesh Fabric, Add	57.23	
For 1-3/4" Mesh Fabric, Add	35.56	
For 2-1/8" Mesh Fabric, Deduct	-17.78	
For Gate With Single Barb Wire Arm, Add	22.48	
For Gate With Double Barb Wire Arm, Add	32.70	
32 31 13 13-0469 EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	337.38	31.53
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.51	
For 1" Mesh Fabric, Add	105.58	
For 1-1/4" Mesh Fabric, Add	67.96	
For 1-3/4" Mesh Fabric, Add	42.23	
For 2-1/8" Mesh Fabric, Deduct	-21.12	
For Gate With Single Barb Wire Arm, Add	26.70	
For Gate With Double Barb Wire Arm, Add	38.84	



	Exterior Improvements	32
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0470 EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	396.19	38.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-52.70	
For 1" Mesh Fabric, Add	122.25	
For 1-1/4" Mesh Fabric, Add	78.69	
For 1-3/4" Mesh Fabric, Add	48.90	
For 2-1/8" Mesh Fabric, Deduct	-24.45	
For Gate With Single Barb Wire Arm, Add	30.91	
For Gate With Double Barb Wire Arm, Add	44.97	
32 31 13 13-0471 EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	454.03	44.89
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.88	
For 1" Mesh Fabric, Add	138.93	
For 1-1/4" Mesh Fabric, Add	89.42	
For 1-3/4" Mesh Fabric, Add	55.57	
For 2-1/8" Mesh Fabric, Deduct	-27.79	
For Gate With Single Barb Wire Arm, Add	35.13	
For Gate With Double Barb Wire Arm, Add	51.10	
32 31 13 13-0472 EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	512.86	51.62
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.07	
For 1" Mesh Fabric, Add	155.60	
For 1-1/4" Mesh Fabric, Add	100.16	
For 1-3/4" Mesh Fabric, Add	62.24	
For 2-1/8" Mesh Fabric, Deduct	-31.12	
For Gate With Single Barb Wire Arm, Add	39.35	
For Gate With Double Barb Wire Arm, Add	57.23	
32 31 13 13-0473 EA 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	570.70	58.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.25	
For 1" Mesh Fabric, Add	172.27	
For 1-1/4" Mesh Fabric, Add	110.89	
For 1-3/4" Mesh Fabric, Add	68.91	
For 2-1/8" Mesh Fabric, Deduct	-34.45	
For Gate With Single Barb Wire Arm, Add	43.56	
For Gate With Double Barb Wire Arm, Add	63.36	
32 31 13 13-0474 EA 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	629.53	65.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.44	
For 1" Mesh Fabric, Add	188.94	
For 1-1/4" Mesh Fabric, Add	121.62	
For 1-3/4" Mesh Fabric, Add	75.58	
For 2-1/8" Mesh Fabric, Deduct	-37.79	
For Gate With Single Barb Wire Arm, Add	47.78	
For Gate With Double Barb Wire Arm, Add	69.50	
32 31 13 13-0475 EA 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	808.36	65.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.97	
For 1" Mesh Fabric, Add	266.73	
For 1-1/4" Mesh Fabric, Add	171.69	
For 1-3/4" Mesh Fabric, Add	106.69	
For 2-1/8" Mesh Fabric, Deduct	-53.35	
For Gate With Single Barb Wire Arm, Add	67.45	
For Gate With Double Barb Wire Arm, Add	98.11	
32 31 13 13-0476 EA 12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,002.15	88.67
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.96	
For 1" Mesh Fabric, Add	320.07	
For 1-1/4" Mesh Fabric, Add	206.02	
For 1-3/4" Mesh Fabric, Add	128.03	
For 2-1/8" Mesh Fabric, Deduct	-64.01	
For Gate With Single Barb Wire Arm, Add	80.94	
For Gate With Double Barb Wire Arm, Add	117.73	
32 31 13 13-0477 EA 14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,145.28	95.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.96	
For 1" Mesh Fabric, Add	373.43	
For 1-1/4" Mesh Fabric, Add	240.37	
For 1-3/4" Mesh Fabric, Add	149.37	
For 2-1/8" Mesh Fabric, Deduct	-74.69	
For Gate With Single Barb Wire Arm, Add	94.43	
For Gate With Double Barb Wire Arm, Add	137.35	
32 31 13 13-0478 EA 16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,291.80	103.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.95	
For 1" Mesh Fabric, Add	426.77	
For 1-1/4" Mesh Fabric, Add	274.70	
For 1-3/4" Mesh Fabric, Add	170.71	
For 2-1/8" Mesh Fabric, Deduct	-85.35	
For Gate With Single Barb Wire Arm, Add	107.92	
For Gate With Double Barb Wire Arm, Add	156.97	
32 31 13 13-0479 EA 18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,442.70	112.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.95	
For 1" Mesh Fabric, Add	480.12	
For 1-1/4" Mesh Fabric, Add	309.04	
For 1-3/4" Mesh Fabric, Add	192.05	
For 2-1/8" Mesh Fabric, Deduct	-96.02	
For Gate With Single Barb Wire Arm, Add	121.41	
For Gate With Double Barb Wire Arm, Add	176.60	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0480 EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,599.22	124.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.94	
For 1" Mesh Fabric, Add	533.46	
For 1-1/4" Mesh Fabric, Add	343.38	
For 1-3/4" Mesh Fabric, Add	213.38	
For 2-1/8" Mesh Fabric, Deduct	-106.69	
For Gate With Single Barb Wire Arm, Add	134.90	
For Gate With Double Barb Wire Arm, Add	196.21	
32 31 13 13-0481 EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,763.25	137.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.93	
For 1" Mesh Fabric, Add	586.79	
For 1-1/4" Mesh Fabric, Add	377.71	
For 1-3/4" Mesh Fabric, Add	234.72	
For 2-1/8" Mesh Fabric, Deduct	-117.36	
For Gate With Single Barb Wire Arm, Add	148.38	
For Gate With Double Barb Wire Arm, Add	215.83	
32 31 13 13-0482 EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,937.70	155.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-275.93	
For 1" Mesh Fabric, Add	640.15	
For 1-1/4" Mesh Fabric, Add	412.05	
For 1-3/4" Mesh Fabric, Add	256.06	
For 2-1/8" Mesh Fabric, Deduct	-128.03	
For Gate With Single Barb Wire Arm, Add	161.88	
For Gate With Double Barb Wire Arm, Add	235.46	
32 31 13 13-0483 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,126.93	177.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.92	
For 1" Mesh Fabric, Add	693.50	
For 1-1/4" Mesh Fabric, Add	446.39	
For 1-3/4" Mesh Fabric, Add	277.40	
For 2-1/8" Mesh Fabric, Deduct	-138.70	
For Gate With Single Barb Wire Arm, Add	175.37	
For Gate With Double Barb Wire Arm, Add	255.08	
32 31 13 13-0484 EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,338.34	206.94
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-321.91	
For 1" Mesh Fabric, Add	746.84	
For 1-1/4" Mesh Fabric, Add	480.72	
For 1-3/4" Mesh Fabric, Add	298.74	
For 2-1/8" Mesh Fabric, Deduct	-149.37	
For Gate With Single Barb Wire Arm, Add	188.86	
For Gate With Double Barb Wire Arm, Add	274.70	
32 31 13 13-0485 EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,585.28	248.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.91	
For 1" Mesh Fabric, Add	800.19	
For 1-1/4" Mesh Fabric, Add	515.07	
For 1-3/4" Mesh Fabric, Add	320.08	
For 2-1/8" Mesh Fabric, Deduct	-160.04	
For Gate With Single Barb Wire Arm, Add	202.35	
For Gate With Double Barb Wire Arm, Add	294.32	
32 31 13 13-0486 8' Fence Height (32 31 13 13-0405)		
32 31 13 13-0487 EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	283.39	32.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.84	
For 1" Mesh Fabric, Add	80.82	
For 1-1/4" Mesh Fabric, Add	52.02	
For 1-3/4" Mesh Fabric, Add	32.33	
For 2-1/8" Mesh Fabric, Deduct	-16.16	
For Gate With Single Barb Wire Arm, Add	20.44	
For Gate With Double Barb Wire Arm, Add	29.73	
32 31 13 13-0488 EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	345.32	32.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.45	
For 1" Mesh Fabric, Add	107.76	
For 1-1/4" Mesh Fabric, Add	69.36	
For 1-3/4" Mesh Fabric, Add	43.11	
For 2-1/8" Mesh Fabric, Deduct	-21.55	
For Gate With Single Barb Wire Arm, Add	27.25	
For Gate With Double Barb Wire Arm, Add	39.64	
32 31 13 13-0489 EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	386.61	32.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.19	
For 1" Mesh Fabric, Add	125.72	
For 1-1/4" Mesh Fabric, Add	80.93	
For 1-3/4" Mesh Fabric, Add	50.29	
For 2-1/8" Mesh Fabric, Deduct	-25.14	
For Gate With Single Barb Wire Arm, Add	31.79	
For Gate With Double Barb Wire Arm, Add	46.24	
32 31 13 13-0490 EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	453.27	40.99
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.93	
For 1" Mesh Fabric, Add	143.68	
For 1-1/4" Mesh Fabric, Add	92.49	
For 1-3/4" Mesh Fabric, Add	57.47	
For 2-1/8" Mesh Fabric, Deduct	-28.74	
For Gate With Single Barb Wire Arm, Add	36.33	
For Gate With Double Barb Wire Arm, Add	52.85	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0491 EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	519.93	49.37
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.68	
For 1" Mesh Fabric, Add	161.65	
For 1-1/4" Mesh Fabric, Add	104.05	
For 1-3/4" Mesh Fabric, Add	64.66	
For 2-1/8" Mesh Fabric, Deduct	-32.33	
For Gate With Single Barb Wire Arm, Add	40.88	
For Gate With Double Barb Wire Arm, Add	59.46	
32 31 13 13-0492 EA 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	585.62	57.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.42	
For 1" Mesh Fabric, Add	179.61	
For 1-1/4" Mesh Fabric, Add	115.61	
For 1-3/4" Mesh Fabric, Add	71.84	
For 2-1/8" Mesh Fabric, Deduct	-35.92	
For Gate With Single Barb Wire Arm, Add	45.42	
For Gate With Double Barb Wire Arm, Add	66.06	
32 31 13 13-0493 EA 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	652.29	65.97
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.16	
For 1" Mesh Fabric, Add	197.57	
For 1-1/4" Mesh Fabric, Add	127.17	
For 1-3/4" Mesh Fabric, Add	79.03	
For 2-1/8" Mesh Fabric, Deduct	-39.51	
For Gate With Single Barb Wire Arm, Add	49.96	
For Gate With Double Barb Wire Arm, Add	72.67	
32 31 13 13-0494 EA 10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	718.93	74.46
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.90	
For 1" Mesh Fabric, Add	215.53	
For 1-1/4" Mesh Fabric, Add	138.73	
For 1-3/4" Mesh Fabric, Add	86.21	
For 2-1/8" Mesh Fabric, Deduct	-43.11	
For Gate With Single Barb Wire Arm, Add	54.50	
For Gate With Double Barb Wire Arm, Add	79.28	
32 31 13 13-0495 EA 10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,009.54	88.67
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.35	
For 1" Mesh Fabric, Add	323.29	
For 1-1/4" Mesh Fabric, Add	208.09	
For 1-3/4" Mesh Fabric, Add	129.32	
For 2-1/8" Mesh Fabric, Deduct	-64.66	
For Gate With Single Barb Wire Arm, Add	81.75	
For Gate With Double Barb Wire Arm, Add	118.91	
32 31 13 13-0496 EA 12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,178.66	95.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.22	
For 1" Mesh Fabric, Add	387.95	
For 1-1/4" Mesh Fabric, Add	249.71	
For 1-3/4" Mesh Fabric, Add	155.18	
For 2-1/8" Mesh Fabric, Deduct	-77.59	
For Gate With Single Barb Wire Arm, Add	98.10	
For Gate With Double Barb Wire Arm, Add	142.69	
32 31 13 13-0497 EA 14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,351.20	103.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.09	
For 1" Mesh Fabric, Add	452.60	
For 1-1/4" Mesh Fabric, Add	291.33	
For 1-3/4" Mesh Fabric, Add	181.04	
For 2-1/8" Mesh Fabric, Deduct	-90.52	
For Gate With Single Barb Wire Arm, Add	114.45	
For Gate With Double Barb Wire Arm, Add	166.48	
32 31 13 13-0498 EA 16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,528.09	112.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.96	
For 1" Mesh Fabric, Add	517.26	
For 1-1/4" Mesh Fabric, Add	332.95	
For 1-3/4" Mesh Fabric, Add	206.91	
For 2-1/8" Mesh Fabric, Deduct	-103.45	
For Gate With Single Barb Wire Arm, Add	130.80	
For Gate With Double Barb Wire Arm, Add	190.26	
32 31 13 13-0499 EA 18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,710.63	124.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.83	
For 1" Mesh Fabric, Add	581.92	
For 1-1/4" Mesh Fabric, Add	374.57	
For 1-3/4" Mesh Fabric, Add	232.77	
For 2-1/8" Mesh Fabric, Deduct	-116.38	
For Gate With Single Barb Wire Arm, Add	147.15	
For Gate With Double Barb Wire Arm, Add	214.04	
32 31 13 13-0500 EA 20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,900.69	137.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-278.70	
For 1" Mesh Fabric, Add	646.58	
For 1-1/4" Mesh Fabric, Add	416.19	
For 1-3/4" Mesh Fabric, Add	258.63	
For 2-1/8" Mesh Fabric, Deduct	-129.32	
For Gate With Single Barb Wire Arm, Add	163.50	
For Gate With Double Barb Wire Arm, Add	237.82	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0501	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,101.12 -306.57 711.23 457.81 284.49 -142.25 179.85 261.60	155.21
32 31 13	13-0502	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,316.34 -334.44 775.89 499.42 310.36 -155.18 196.20 285.39	177.35
32 31 13	13-0503	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,553.77 -362.31 840.55 541.04 336.22 -168.11 212.55 309.17	206.94
32 31 13	13-0504	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,826.70 -390.18 905.21 582.66 362.08 -181.04 228.90 332.95	248.32
32 31 13	13-0505	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,161.77 -418.05 969.87 624.28 387.95 -193.97 245.25 356.73	310.42
32 31 13	13-0506		10' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13	13-0507	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	323.96 -40.41 93.76 60.35 37.50 -18.75 23.71 34.48	36.11
32 31 13	13-0508	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	395.81 -53.88 125.01 80.47 50.00 -25.00 31.61 45.98	36.11
32 31 13	13-0509	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	448.48 -62.87 145.85 93.88 58.34 -29.17 36.88 53.64	37.67
32 31 13	13-0510	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	523.70 -71.85 166.68 107.29 66.67 -33.34 42.15 61.31	46.84
32 31 13	13-0511	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	597.94 -80.83 187.52 120.70 75.01 -37.50 47.42 68.97	55.52



	Exterior Improvements	32
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0512 EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	673.18	64.70
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.81	
For 1" Mesh Fabric, Add	208.36	
For 1-1/4" Mesh Fabric, Add	134.11	
For 1-3/4" Mesh Fabric, Add	83.34	
For 2-1/8" Mesh Fabric, Deduct	-41.67	
For Gate With Single Barb Wire Arm, Add	52.69	
For Gate With Double Barb Wire Arm, Add	76.64	
32 31 13 13-0513 EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	747.41	73.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
For 1" Mesh Fabric, Add	229.19	
For 1-1/4" Mesh Fabric, Add	147.53	
For 1-3/4" Mesh Fabric, Add	91.68	
For 2-1/8" Mesh Fabric, Deduct	-45.84	
For Gate With Single Barb Wire Arm, Add	57.96	
For Gate With Double Barb Wire Arm, Add	84.30	
32 31 13 13-0514 EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	822.65	82.56
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.77	
For 1" Mesh Fabric, Add	250.02	
For 1-1/4" Mesh Fabric, Add	160.94	
For 1-3/4" Mesh Fabric, Add	100.01	
For 2-1/8" Mesh Fabric, Deduct	-50.00	
For Gate With Single Barb Wire Arm, Add	63.22	
For Gate With Double Barb Wire Arm, Add	91.96	
32 31 13 13-0515 EA 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,158.08	98.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.65	
For 1" Mesh Fabric, Add	375.03	
For 1-1/4" Mesh Fabric, Add	241.40	
For 1-3/4" Mesh Fabric, Add	150.01	
For 2-1/8" Mesh Fabric, Deduct	-75.01	
For Gate With Single Barb Wire Arm, Add	94.84	
For Gate With Double Barb Wire Arm, Add	137.94	
32 31 13 13-0516 EA 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,353.16	106.04
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-193.98	
For 1" Mesh Fabric, Add	450.04	
For 1-1/4" Mesh Fabric, Add	289.68	
For 1-3/4" Mesh Fabric, Add	180.02	
For 2-1/8" Mesh Fabric, Deduct	-90.01	
For Gate With Single Barb Wire Arm, Add	113.80	
For Gate With Double Barb Wire Arm, Add	165.53	
32 31 13 13-0517 EA 14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,552.26	115.01
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.31	
For 1" Mesh Fabric, Add	525.05	
For 1-1/4" Mesh Fabric, Add	337.96	
For 1-3/4" Mesh Fabric, Add	210.02	
For 2-1/8" Mesh Fabric, Deduct	-105.01	
For Gate With Single Barb Wire Arm, Add	132.77	
For Gate With Double Barb Wire Arm, Add	193.12	
32 31 13 13-0518 EA 16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,755.91	125.38
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.64	
For 1" Mesh Fabric, Add	600.05	
For 1-1/4" Mesh Fabric, Add	386.24	
For 1-3/4" Mesh Fabric, Add	240.02	
For 2-1/8" Mesh Fabric, Deduct	-120.01	
For Gate With Single Barb Wire Arm, Add	151.74	
For Gate With Double Barb Wire Arm, Add	220.71	
32 31 13 13-0519 EA 18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,966.15	137.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-290.97	
For 1" Mesh Fabric, Add	675.05	
For 1-1/4" Mesh Fabric, Add	434.52	
For 1-3/4" Mesh Fabric, Add	270.02	
For 2-1/8" Mesh Fabric, Deduct	-135.01	
For Gate With Single Barb Wire Arm, Add	170.70	
For Gate With Double Barb Wire Arm, Add	248.30	
32 31 13 13-0520 EA 20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,184.39	153.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-323.30	
For 1" Mesh Fabric, Add	750.06	
For 1-1/4" Mesh Fabric, Add	482.80	
For 1-3/4" Mesh Fabric, Add	300.02	
For 2-1/8" Mesh Fabric, Deduct	-150.01	
For Gate With Single Barb Wire Arm, Add	189.67	
For Gate With Double Barb Wire Arm, Add	275.88	
32 31 13 13-0521 EA 22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,414.60	172.45
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-355.63	
For 1" Mesh Fabric, Add	825.07	
For 1-1/4" Mesh Fabric, Add	531.08	
For 1-3/4" Mesh Fabric, Add	330.03	
For 2-1/8" Mesh Fabric, Deduct	-165.01	
For Gate With Single Barb Wire Arm, Add	208.64	
For Gate With Double Barb Wire Arm, Add	303.47	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0522 EA 24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,660.63	196.93
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-387.96	
For 1" Mesh Fabric, Add	900.08	
For 1-1/4" Mesh Fabric, Add	579.36	
For 1-3/4" Mesh Fabric, Add	360.03	
For 2-1/8" Mesh Fabric, Deduct	-180.02	
For Gate With Single Barb Wire Arm, Add	227.61	
For Gate With Double Barb Wire Arm, Add	331.06	
32 31 13 13-0523 EA 26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,932.07	229.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-420.29	
For 1" Mesh Fabric, Add	975.08	
For 1-1/4" Mesh Fabric, Add	627.64	
For 1-3/4" Mesh Fabric, Add	390.03	
For 2-1/8" Mesh Fabric, Deduct	-195.02	
For Gate With Single Barb Wire Arm, Add	246.57	
For Gate With Double Barb Wire Arm, Add	358.65	
32 31 13 13-0524 EA 28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,241.87	275.69
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-452.62	
For 1" Mesh Fabric, Add	1,050.09	
For 1-1/4" Mesh Fabric, Add	675.92	
For 1-3/4" Mesh Fabric, Add	420.03	
For 2-1/8" Mesh Fabric, Deduct	-210.02	
For Gate With Single Barb Wire Arm, Add	265.54	
For Gate With Double Barb Wire Arm, Add	386.24	
32 31 13 13-0525 EA 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,622.19	344.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-484.95	
For 1" Mesh Fabric, Add	1,125.09	
For 1-1/4" Mesh Fabric, Add	724.20	
For 1-3/4" Mesh Fabric, Add	450.04	
For 2-1/8" Mesh Fabric, Deduct	-225.02	
For Gate With Single Barb Wire Arm, Add	284.51	
For Gate With Double Barb Wire Arm, Add	413.83	
32 31 13 13-0526 12' Fence Height (32 31 13 13-0405)		
32 31 13 13-0527 EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	421.06	40.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.36	
For 1" Mesh Fabric, Add	130.75	
For 1-1/4" Mesh Fabric, Add	84.16	
For 1-3/4" Mesh Fabric, Add	52.30	
For 2-1/8" Mesh Fabric, Deduct	-26.15	
For Gate With Single Barb Wire Arm, Add	33.06	
For Gate With Double Barb Wire Arm, Add	48.09	
32 31 13 13-0528 EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	520.98	40.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.09	
For 1" Mesh Fabric, Add	174.22	
For 1-1/4" Mesh Fabric, Add	112.14	
For 1-3/4" Mesh Fabric, Add	69.69	
For 2-1/8" Mesh Fabric, Deduct	-34.84	
For Gate With Single Barb Wire Arm, Add	44.06	
For Gate With Double Barb Wire Arm, Add	64.08	
32 31 13 13-0529 EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	599.73	41.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.03	
For 1" Mesh Fabric, Add	206.55	
For 1-1/4" Mesh Fabric, Add	132.95	
For 1-3/4" Mesh Fabric, Add	82.62	
For 2-1/8" Mesh Fabric, Deduct	-41.31	
For Gate With Single Barb Wire Arm, Add	52.23	
For Gate With Double Barb Wire Arm, Add	75.97	
32 31 13 13-0530 EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	691.92	51.62
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.64	
For 1" Mesh Fabric, Add	233.49	
For 1-1/4" Mesh Fabric, Add	150.29	
For 1-3/4" Mesh Fabric, Add	93.40	
For 2-1/8" Mesh Fabric, Deduct	-46.70	
For Gate With Single Barb Wire Arm, Add	59.04	
For Gate With Double Barb Wire Arm, Add	85.88	
32 31 13 13-0531 EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	790.99	61.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.54	
For 1" Mesh Fabric, Add	263.42	
For 1-1/4" Mesh Fabric, Add	169.56	
For 1-3/4" Mesh Fabric, Add	105.37	
For 2-1/8" Mesh Fabric, Deduct	-52.68	
For Gate With Single Barb Wire Arm, Add	66.61	
For Gate With Double Barb Wire Arm, Add	96.89	
32 31 13 13-0532 EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	889.09	71.53
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.45	
For 1" Mesh Fabric, Add	293.36	
For 1-1/4" Mesh Fabric, Add	188.83	
For 1-3/4" Mesh Fabric, Add	117.34	
For 2-1/8" Mesh Fabric, Deduct	-58.67	
For Gate With Single Barb Wire Arm, Add	74.18	
For Gate With Double Barb Wire Arm, Add	107.90	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0533 EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	988.15	81.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.35	
For 1" Mesh Fabric, Add	323.29	
For 1-1/4" Mesh Fabric, Add	208.10	
For 1-3/4" Mesh Fabric, Add	129.32	
For 2-1/8" Mesh Fabric, Deduct	-64.66	
For Gate With Single Barb Wire Arm, Add	81.75	
For Gate With Double Barb Wire Arm, Add	118.91	
32 31 13 13-0534 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,080.34	91.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-150.96	
For 1" Mesh Fabric, Add	350.24	
For 1-1/4" Mesh Fabric, Add	225.44	
For 1-3/4" Mesh Fabric, Add	140.09	
For 2-1/8" Mesh Fabric, Deduct	-70.05	
For Gate With Single Barb Wire Arm, Add	88.57	
For Gate With Double Barb Wire Arm, Add	128.82	
32 31 13 13-0535 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,535.99	109.54
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.37	
For 1" Mesh Fabric, Add	525.17	
For 1-1/4" Mesh Fabric, Add	338.04	
For 1-3/4" Mesh Fabric, Add	210.07	
For 2-1/8" Mesh Fabric, Deduct	-105.03	
For Gate With Single Barb Wire Arm, Add	132.80	
For Gate With Double Barb Wire Arm, Add	193.17	
32 31 13 13-0536 EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,841.96	117.92
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.01	
For 1" Mesh Fabric, Add	647.31	
For 1-1/4" Mesh Fabric, Add	416.66	
For 1-3/4" Mesh Fabric, Add	258.92	
For 2-1/8" Mesh Fabric, Deduct	-129.46	
For Gate With Single Barb Wire Arm, Add	163.69	
For Gate With Double Barb Wire Arm, Add	238.09	
32 31 13 13-0537 EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,121.06	127.71
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-325.77	
For 1" Mesh Fabric, Add	755.79	
For 1-1/4" Mesh Fabric, Add	486.48	
For 1-3/4" Mesh Fabric, Add	302.31	
For 2-1/8" Mesh Fabric, Deduct	-151.16	
For Gate With Single Barb Wire Arm, Add	191.12	
For Gate With Double Barb Wire Arm, Add	277.99	
32 31 13 13-0538 EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,403.58	139.25
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-372.22	
For 1" Mesh Fabric, Add	863.55	
For 1-1/4" Mesh Fabric, Add	555.85	
For 1-3/4" Mesh Fabric, Add	345.42	
For 2-1/8" Mesh Fabric, Deduct	-172.71	
For Gate With Single Barb Wire Arm, Add	218.37	
For Gate With Double Barb Wire Arm, Add	317.63	
32 31 13 13-0539 EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,689.95	153.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-418.05	
For 1" Mesh Fabric, Add	969.88	
For 1-1/4" Mesh Fabric, Add	624.29	
For 1-3/4" Mesh Fabric, Add	387.95	
For 2-1/8" Mesh Fabric, Deduct	-193.98	
For Gate With Single Barb Wire Arm, Add	245.26	
For Gate With Double Barb Wire Arm, Add	356.74	
32 31 13 13-0540 EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,988.41	170.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-464.50	
For 1" Mesh Fabric, Add	1,077.64	
For 1-1/4" Mesh Fabric, Add	693.66	
For 1-3/4" Mesh Fabric, Add	431.06	
For 2-1/8" Mesh Fabric, Deduct	-215.53	
For Gate With Single Barb Wire Arm, Add	272.51	
For Gate With Double Barb Wire Arm, Add	396.37	
32 31 13 13-0541 EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,300.50	191.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-510.95	
For 1" Mesh Fabric, Add	1,185.41	
For 1-1/4" Mesh Fabric, Add	763.02	
For 1-3/4" Mesh Fabric, Add	474.16	
For 2-1/8" Mesh Fabric, Deduct	-237.08	
For Gate With Single Barb Wire Arm, Add	299.76	
For Gate With Double Barb Wire Arm, Add	436.01	
32 31 13 13-0542 EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,630.02	218.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-557.40	
For 1" Mesh Fabric, Add	1,293.17	
For 1-1/4" Mesh Fabric, Add	832.39	
For 1-3/4" Mesh Fabric, Add	517.27	
For 2-1/8" Mesh Fabric, Deduct	-258.63	
For Gate With Single Barb Wire Arm, Add	327.01	
For Gate With Double Barb Wire Arm, Add	475.65	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0543 EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,996.03	255.54
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-605.40	
For 1" Mesh Fabric, Add	1,404.53	
For 1-1/4" Mesh Fabric, Add	904.06	
For 1-3/4" Mesh Fabric, Add	561.81	
For 2-1/8" Mesh Fabric, Deduct	-280.91	
For Gate With Single Barb Wire Arm, Add	355.17	
For Gate With Double Barb Wire Arm, Add	516.61	
32 31 13 13-0544 EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,396.40	306.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-651.85	
For 1" Mesh Fabric, Add	1,512.29	
For 1-1/4" Mesh Fabric, Add	973.43	
For 1-3/4" Mesh Fabric, Add	604.92	
For 2-1/8" Mesh Fabric, Deduct	-302.46	
For Gate With Single Barb Wire Arm, Add	382.42	
For Gate With Double Barb Wire Arm, Add	556.24	
32 31 13 13-0545 EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,875.13	383.25
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-698.30	
For 1" Mesh Fabric, Add	1,620.06	
For 1-1/4" Mesh Fabric, Add	1,042.80	
For 1-3/4" Mesh Fabric, Add	648.02	
For 2-1/8" Mesh Fabric, Deduct	-324.01	
For Gate With Single Barb Wire Arm, Add	409.67	
For Gate With Double Barb Wire Arm, Add	595.88	
32 31 13 13-0546 Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0263)</small>		
Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0642 for additional gate accessories, 32 31 13 13-0723 for gate replacement parts.		
32 31 13 13-0547 4' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0548 EA 10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,133.53	378.24
For 1" Mesh Fabric, Add	1,034.00	
For 1-1/4" Mesh Fabric, Add	665.56	
For 1-3/4" Mesh Fabric, Add	413.60	
For 2-1/8" Mesh Fabric, Deduct	-206.80	
For Gate With Barb Wire Arm, Add	261.47	
For Vinyl Coated, Add	713.10	
32 31 13 13-0549 EA 12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,765.59	456.66
For 1" Mesh Fabric, Add	1,240.79	
For 1-1/4" Mesh Fabric, Add	798.67	
For 1-3/4" Mesh Fabric, Add	496.32	
For 2-1/8" Mesh Fabric, Deduct	-248.16	
For Gate With Barb Wire Arm, Add	313.76	
For Vinyl Coated, Add	855.72	
32 31 13 13-0550 EA 14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,393.41	532.75
For 1" Mesh Fabric, Add	1,447.59	
For 1-1/4" Mesh Fabric, Add	931.78	
For 1-3/4" Mesh Fabric, Add	579.04	
For 2-1/8" Mesh Fabric, Deduct	-289.52	
For Gate With Barb Wire Arm, Add	366.06	
For Vinyl Coated, Add	998.34	
32 31 13 13-0551 EA 16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,027.84	612.33
For 1" Mesh Fabric, Add	1,654.40	
For 1-1/4" Mesh Fabric, Add	1,064.90	
For 1-3/4" Mesh Fabric, Add	661.76	
For 2-1/8" Mesh Fabric, Deduct	-330.88	
For Gate With Barb Wire Arm, Add	418.35	
For Vinyl Coated, Add	1,140.96	
32 31 13 13-0552 EA 18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,656.37	688.89
For 1" Mesh Fabric, Add	1,861.20	
For 1-1/4" Mesh Fabric, Add	1,198.01	
For 1-3/4" Mesh Fabric, Add	744.48	
For 2-1/8" Mesh Fabric, Deduct	-372.24	
For Gate With Barb Wire Arm, Add	470.65	
For Vinyl Coated, Add	1,283.58	
32 31 13 13-0553 EA 20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,270.76	758.34
For 1" Mesh Fabric, Add	2,067.99	
For 1-1/4" Mesh Fabric, Add	1,331.12	
For 1-3/4" Mesh Fabric, Add	827.20	
For 2-1/8" Mesh Fabric, Deduct	-413.60	
For Gate With Barb Wire Arm, Add	522.94	
For Vinyl Coated, Add	1,426.20	
32 31 13 13-0554 EA 24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,489.34	913.20
For 1" Mesh Fabric, Add	2,463.38	
For 1-1/4" Mesh Fabric, Add	1,585.62	
For 1-3/4" Mesh Fabric, Add	985.35	
For 2-1/8" Mesh Fabric, Deduct	-492.68	
For Gate With Barb Wire Arm, Add	622.92	
For Vinyl Coated, Add	1,698.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0555 EA 30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	10,578.47	1,723.74
For 1" Mesh Fabric, Add	3,101.99	
For 1-1/4" Mesh Fabric, Add	1,996.68	
For 1-3/4" Mesh Fabric, Add	1,240.80	
For 2-1/8" Mesh Fabric, Deduct	-620.40	
For Gate With Barb Wire Arm, Add	784.41	
For Vinyl Coated, Add	2,139.30	
32 31 13 13-0556 EA 40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	14,104.62	2,298.33
For 1" Mesh Fabric, Add	4,135.98	
For 1-1/4" Mesh Fabric, Add	2,662.24	
For 1-3/4" Mesh Fabric, Add	1,654.39	
For 2-1/8" Mesh Fabric, Deduct	-827.20	
For Gate With Barb Wire Arm, Add	1,045.88	
For Vinyl Coated, Add	2,852.40	
32 31 13 13-0557 5' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0558 EA 10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,270.20	411.68
For 1" Mesh Fabric, Add	1,064.38	
For 1-1/4" Mesh Fabric, Add	685.12	
For 1-3/4" Mesh Fabric, Add	425.75	
For 2-1/8" Mesh Fabric, Deduct	-212.88	
For Gate With Barb Wire Arm, Add	269.15	
For Vinyl Coated, Add	734.06	
32 31 13 13-0559 EA 12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,923.11	493.48
For 1" Mesh Fabric, Add	1,277.26	
For 1-1/4" Mesh Fabric, Add	822.15	
For 1-3/4" Mesh Fabric, Add	510.91	
For 2-1/8" Mesh Fabric, Deduct	-255.45	
For Gate With Barb Wire Arm, Add	322.99	
For Vinyl Coated, Add	880.87	
32 31 13 13-0560 EA 14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,576.75	575.63
For 1" Mesh Fabric, Add	1,490.14	
For 1-1/4" Mesh Fabric, Add	959.17	
For 1-3/4" Mesh Fabric, Add	596.06	
For 2-1/8" Mesh Fabric, Deduct	-298.03	
For Gate With Barb Wire Arm, Add	376.82	
For Vinyl Coated, Add	1,027.68	
32 31 13 13-0561 EA 16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,230.90	658.01
For 1" Mesh Fabric, Add	1,703.02	
For 1-1/4" Mesh Fabric, Add	1,096.20	
For 1-3/4" Mesh Fabric, Add	681.21	
For 2-1/8" Mesh Fabric, Deduct	-340.60	
For Gate With Barb Wire Arm, Add	430.65	
For Vinyl Coated, Add	1,174.50	
32 31 13 13-0562 EA 18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,884.48	740.04
For 1" Mesh Fabric, Add	1,915.89	
For 1-1/4" Mesh Fabric, Add	1,233.22	
For 1-3/4" Mesh Fabric, Add	766.36	
For 2-1/8" Mesh Fabric, Deduct	-383.18	
For Gate With Barb Wire Arm, Add	484.48	
For Vinyl Coated, Add	1,321.30	
32 31 13 13-0563 EA 20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,538.38	822.31
For 1" Mesh Fabric, Add	2,128.77	
For 1-1/4" Mesh Fabric, Add	1,370.24	
For 1-3/4" Mesh Fabric, Add	851.51	
For 2-1/8" Mesh Fabric, Deduct	-425.75	
For Gate With Barb Wire Arm, Add	538.31	
For Vinyl Coated, Add	1,468.12	
32 31 13 13-0564 EA 24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,805.21	987.89
For 1" Mesh Fabric, Add	2,535.78	
For 1-1/4" Mesh Fabric, Add	1,632.23	
For 1-3/4" Mesh Fabric, Add	1,014.31	
For 2-1/8" Mesh Fabric, Deduct	-507.16	
For Gate With Barb Wire Arm, Add	641.23	
For Vinyl Coated, Add	1,748.82	
32 31 13 13-0565 EA 30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	9,808.00	1,233.76
For 1" Mesh Fabric, Add	3,193.15	
For 1-1/4" Mesh Fabric, Add	2,055.36	
For 1-3/4" Mesh Fabric, Add	1,277.26	
For 2-1/8" Mesh Fabric, Deduct	-638.63	
For Gate With Barb Wire Arm, Add	807.46	
For Vinyl Coated, Add	2,202.17	
32 31 13 13-0566 EA 40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	13,076.76	1,644.62
For 1" Mesh Fabric, Add	4,257.54	
For 1-1/4" Mesh Fabric, Add	2,740.48	
For 1-3/4" Mesh Fabric, Add	1,703.01	
For 2-1/8" Mesh Fabric, Deduct	-851.51	
For Gate With Barb Wire Arm, Add	1,076.62	
For Vinyl Coated, Add	2,936.23	
32 31 13 13-0567 6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0568	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,460.97	482.65
		<i>For 1" Mesh Fabric, Add</i>	1,085.66	
		<i>For 1-1/4" Mesh Fabric, Add</i>	698.81	
		<i>For 1-3/4" Mesh Fabric, Add</i>	434.26	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-217.13	
		<i>For Gate With Barb Wire Arm, Add</i>	274.53	
		<i>For Vinyl Coated, Add</i>	748.73	
32 31 13 13-0569	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,149.77	577.37
		<i>For 1" Mesh Fabric, Add</i>	1,302.79	
		<i>For 1-1/4" Mesh Fabric, Add</i>	838.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	521.12	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-260.56	
		<i>For Gate With Barb Wire Arm, Add</i>	329.44	
		<i>For Vinyl Coated, Add</i>	898.48	
32 31 13 13-0570	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,841.17	673.51
		<i>For 1" Mesh Fabric, Add</i>	1,519.92	
		<i>For 1-1/4" Mesh Fabric, Add</i>	978.34	
		<i>For 1-3/4" Mesh Fabric, Add</i>	607.97	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-303.98	
		<i>For Gate With Barb Wire Arm, Add</i>	384.35	
		<i>For Vinyl Coated, Add</i>	1,048.22	
32 31 13 13-0571	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,533.01	769.88
		<i>For 1" Mesh Fabric, Add</i>	1,737.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,118.10	
		<i>For 1-3/4" Mesh Fabric, Add</i>	694.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-347.41	
		<i>For Gate With Barb Wire Arm, Add</i>	439.25	
		<i>For Vinyl Coated, Add</i>	1,197.97	
32 31 13 13-0572	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,224.43	866.01
		<i>For 1" Mesh Fabric, Add</i>	1,954.18	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,257.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	781.67	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-390.84	
		<i>For Gate With Barb Wire Arm, Add</i>	494.16	
		<i>For Vinyl Coated, Add</i>	1,347.71	
32 31 13 13-0573	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,922.33	965.40
		<i>For 1" Mesh Fabric, Add</i>	2,171.32	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,397.63	
		<i>For 1-3/4" Mesh Fabric, Add</i>	868.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-434.26	
		<i>For Gate With Barb Wire Arm, Add</i>	549.07	
		<i>For Vinyl Coated, Add</i>	1,497.46	
32 31 13 13-0574	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,255.59	1,154.87
		<i>For 1" Mesh Fabric, Add</i>	2,586.46	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,664.85	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,034.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-517.29	
		<i>For Gate With Barb Wire Arm, Add</i>	654.05	
		<i>For Vinyl Coated, Add</i>	1,783.77	
32 31 13 13-0575	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,375.12	1,443.97
		<i>For 1" Mesh Fabric, Add</i>	3,256.97	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,096.44	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,302.79	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-651.39	
		<i>For Gate With Barb Wire Arm, Add</i>	823.60	
		<i>For Vinyl Coated, Add</i>	2,246.19	
32 31 13 13-0576	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	13,831.90	1,924.40
		<i>For 1" Mesh Fabric, Add</i>	4,342.63	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,795.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,737.05	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-868.53	
		<i>For Gate With Barb Wire Arm, Add</i>	1,098.14	
		<i>For Vinyl Coated, Add</i>	2,994.92	
32 31 13 13-0577		7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0578	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,670.26	538.34
		<i>For 1" Mesh Fabric, Add</i>	1,128.20	
		<i>For 1-1/4" Mesh Fabric, Add</i>	726.20	
		<i>For 1-3/4" Mesh Fabric, Add</i>	451.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-225.64	
		<i>For Gate With Barb Wire Arm, Add</i>	285.29	
		<i>For Vinyl Coated, Add</i>	778.07	
32 31 13 13-0579	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,403.50	645.55
		<i>For 1" Mesh Fabric, Add</i>	1,353.88	
		<i>For 1-1/4" Mesh Fabric, Add</i>	871.46	
		<i>For 1-3/4" Mesh Fabric, Add</i>	541.55	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-270.78	
		<i>For Gate With Barb Wire Arm, Add</i>	342.36	
		<i>For Vinyl Coated, Add</i>	933.71	



Exterior Improvements	32	
Site Improvements	32 30	32
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0580 EA 14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,138.41	753.68
For 1" Mesh Fabric, Add	1,579.48	
For 1-1/4" Mesh Fabric, Add	1,016.67	
For 1-3/4" Mesh Fabric, Add	631.79	
For 2-1/8" Mesh Fabric, Deduct	-315.90	
For Gate With Barb Wire Arm, Add	399.41	
For Vinyl Coated, Add	1,089.29	
32 31 13 13-0581 EA 16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,871.53	860.88
For 1" Mesh Fabric, Add	1,805.12	
For 1-1/4" Mesh Fabric, Add	1,161.92	
For 1-3/4" Mesh Fabric, Add	722.05	
For 2-1/8" Mesh Fabric, Deduct	-361.02	
For Gate With Barb Wire Arm, Add	456.47	
For Vinyl Coated, Add	1,244.91	
32 31 13 13-0582 EA 18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,605.65	968.67
For 1" Mesh Fabric, Add	2,030.76	
For 1-1/4" Mesh Fabric, Add	1,307.16	
For 1-3/4" Mesh Fabric, Add	812.31	
For 2-1/8" Mesh Fabric, Deduct	-406.15	
For Gate With Barb Wire Arm, Add	513.53	
For Vinyl Coated, Add	1,400.53	
32 31 13 13-0583 EA 20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,339.03	1,075.99
For 1" Mesh Fabric, Add	2,256.41	
For 1-1/4" Mesh Fabric, Add	1,452.40	
For 1-3/4" Mesh Fabric, Add	902.56	
For 2-1/8" Mesh Fabric, Deduct	-451.28	
For Gate With Barb Wire Arm, Add	570.59	
For Vinyl Coated, Add	1,556.15	
32 31 13 13-0584 EA 24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	8,761.15	1,291.09
For 1" Mesh Fabric, Add	2,687.82	
For 1-1/4" Mesh Fabric, Add	1,730.09	
For 1-3/4" Mesh Fabric, Add	1,075.13	
For 2-1/8" Mesh Fabric, Deduct	-537.56	
For Gate With Barb Wire Arm, Add	679.68	
For Vinyl Coated, Add	1,853.67	
32 31 13 13-0585 EA 30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	11,008.51	1,613.86
For 1" Mesh Fabric, Add	3,384.60	
For 1-1/4" Mesh Fabric, Add	2,178.60	
For 1-3/4" Mesh Fabric, Add	1,353.84	
For 2-1/8" Mesh Fabric, Deduct	-676.92	
For Gate With Barb Wire Arm, Add	855.88	
For Vinyl Coated, Add	2,334.21	
32 31 13 13-0586 EA 40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	14,678.02	2,151.85
For 1" Mesh Fabric, Add	4,512.81	
For 1-1/4" Mesh Fabric, Add	2,904.80	
For 1-3/4" Mesh Fabric, Add	1,805.12	
For 2-1/8" Mesh Fabric, Deduct	-902.56	
For Gate With Barb Wire Arm, Add	1,141.17	
For Vinyl Coated, Add	3,112.28	
32 31 13 13-0587 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0588 EA 10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,836.83	583.20
For 1" Mesh Fabric, Add	1,161.63	
For 1-1/4" Mesh Fabric, Add	747.72	
For 1-3/4" Mesh Fabric, Add	464.65	
For 2-1/8" Mesh Fabric, Deduct	-232.33	
For Gate With Barb Wire Arm, Add	293.75	
For Vinyl Coated, Add	801.13	
32 31 13 13-0589 EA 12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,600.84	698.21
For 1" Mesh Fabric, Add	1,393.96	
For 1-1/4" Mesh Fabric, Add	897.26	
For 1-3/4" Mesh Fabric, Add	557.58	
For 2-1/8" Mesh Fabric, Deduct	-278.79	
For Gate With Barb Wire Arm, Add	352.50	
For Vinyl Coated, Add	961.35	
32 31 13 13-0590 EA 14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,367.71	814.62
For 1" Mesh Fabric, Add	1,626.28	
For 1-1/4" Mesh Fabric, Add	1,046.80	
For 1-3/4" Mesh Fabric, Add	650.51	
For 2-1/8" Mesh Fabric, Deduct	-325.26	
For Gate With Barb Wire Arm, Add	411.24	
For Vinyl Coated, Add	1,121.57	
32 31 13 13-0591 EA 16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,134.81	931.03
For 1" Mesh Fabric, Add	1,858.61	
For 1-1/4" Mesh Fabric, Add	1,196.34	
For 1-3/4" Mesh Fabric, Add	743.44	
For 2-1/8" Mesh Fabric, Deduct	-371.72	
For Gate With Barb Wire Arm, Add	469.99	
For Vinyl Coated, Add	1,281.80	
32 31 13 13-0592 EA 18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,900.61	1,046.97
For 1" Mesh Fabric, Add	2,090.93	
For 1-1/4" Mesh Fabric, Add	1,345.89	
For 1-3/4" Mesh Fabric, Add	836.37	
For 2-1/8" Mesh Fabric, Deduct	-418.19	
For Gate With Barb Wire Arm, Add	528.74	
For Vinyl Coated, Add	1,442.02	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0593	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,667.82	1,163.49
		<i>For 1" Mesh Fabric, Add</i>	2,323.26	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,495.43	
		<i>For 1-3/4" Mesh Fabric, Add</i>	929.30	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-464.65	
		<i>For Gate With Barb Wire Arm, Add</i>	587.49	
		<i>For Vinyl Coated, Add</i>	1,602.25	
32 31 13 13-0594	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	9,154.65	1,396.31
		<i>For 1" Mesh Fabric, Add</i>	2,767.46	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,781.35	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,106.98	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-553.49	
		<i>For Gate With Barb Wire Arm, Add</i>	699.82	
		<i>For Vinyl Coated, Add</i>	1,908.59	
32 31 13 13-0595	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,502.61	1,745.65
		<i>For 1" Mesh Fabric, Add</i>	3,484.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,243.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,393.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-696.98	
		<i>For Gate With Barb Wire Arm, Add</i>	881.24	
		<i>For Vinyl Coated, Add</i>	2,403.38	
32 31 13 13-0596	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	15,333.31	2,325.82
		<i>For 1" Mesh Fabric, Add</i>	4,646.52	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,990.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,858.61	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-929.30	
		<i>For Gate With Barb Wire Arm, Add</i>	1,174.98	
		<i>For Vinyl Coated, Add</i>	3,204.50	
32 31 13 13-0597		9' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0598	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,033.67	636.22
		<i>For 1" Mesh Fabric, Add</i>	1,201.13	
		<i>For 1-1/4" Mesh Fabric, Add</i>	773.14	
		<i>For 1-3/4" Mesh Fabric, Add</i>	480.45	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-240.23	
		<i>For Gate With Barb Wire Arm, Add</i>	303.73	
		<i>For Vinyl Coated, Add</i>	828.37	
32 31 13 13-0599	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,835.67	761.14
		<i>For 1" Mesh Fabric, Add</i>	1,441.36	
		<i>For 1-1/4" Mesh Fabric, Add</i>	927.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	576.55	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-288.27	
		<i>For Gate With Barb Wire Arm, Add</i>	364.48	
		<i>For Vinyl Coated, Add</i>	994.04	
32 31 13 13-0600	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,641.33	887.80
		<i>For 1" Mesh Fabric, Add</i>	1,681.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,082.40	
		<i>For 1-3/4" Mesh Fabric, Add</i>	672.64	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-336.32	
		<i>For Gate With Barb Wire Arm, Add</i>	425.23	
		<i>For Vinyl Coated, Add</i>	1,159.72	
32 31 13 13-0601	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,448.00	1,015.04
		<i>For 1" Mesh Fabric, Add</i>	1,921.81	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,237.03	
		<i>For 1-3/4" Mesh Fabric, Add</i>	768.73	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-384.36	
		<i>For Gate With Barb Wire Arm, Add</i>	485.98	
		<i>For Vinyl Coated, Add</i>	1,325.39	
32 31 13 13-0602	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,253.89	1,141.82
		<i>For 1" Mesh Fabric, Add</i>	2,162.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,391.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>	864.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-432.41	
		<i>For Gate With Barb Wire Arm, Add</i>	546.72	
		<i>For Vinyl Coated, Add</i>	1,491.07	
32 31 13 13-0603	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,059.74	1,268.60
		<i>For 1" Mesh Fabric, Add</i>	2,402.27	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,546.29	
		<i>For 1-3/4" Mesh Fabric, Add</i>	960.91	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-480.45	
		<i>For Gate With Barb Wire Arm, Add</i>	607.47	
		<i>For Vinyl Coated, Add</i>	1,656.74	
32 31 13 13-0604	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	9,622.73	1,522.15
		<i>For 1" Mesh Fabric, Add</i>	2,861.58	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,841.94	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,144.63	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-572.32	
		<i>For Gate With Barb Wire Arm, Add</i>	723.62	
		<i>For Vinyl Coated, Add</i>	1,973.50	
32 31 13 13-0605	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	12,088.56	1,902.49
		<i>For 1" Mesh Fabric, Add</i>	3,603.41	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,319.43	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,441.36	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-720.68	
		<i>For Gate With Barb Wire Arm, Add</i>	911.21	
		<i>For Vinyl Coated, Add</i>	2,485.11	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0606 EA 40' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	16,122.25	2,538.71
For 1" Mesh Fabric, Add	4,804.55	
For 1-1/4" Mesh Fabric, Add	3,092.58	
For 1-3/4" Mesh Fabric, Add	1,921.82	
For 2-1/8" Mesh Fabric, Deduct	-960.91	
For Gate With Barb Wire Arm, Add	1,214.94	
For Vinyl Coated, Add	3,313.48	
32 31 13 13-0607 10' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0608 EA 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,279.68	699.85
For 1" Mesh Fabric, Add	1,252.80	
For 1-1/4" Mesh Fabric, Add	806.40	
For 1-3/4" Mesh Fabric, Add	501.12	
For 2-1/8" Mesh Fabric, Deduct	-250.56	
For Gate With Barb Wire Arm, Add	316.80	
For Vinyl Coated, Add	864.00	
32 31 13 13-0609 EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	5,135.62	839.79
For 1" Mesh Fabric, Add	1,503.36	
For 1-1/4" Mesh Fabric, Add	967.68	
For 1-3/4" Mesh Fabric, Add	601.34	
For 2-1/8" Mesh Fabric, Deduct	-300.67	
For Gate With Barb Wire Arm, Add	380.16	
For Vinyl Coated, Add	1,036.80	
32 31 13 13-0610 EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	5,992.03	979.97
For 1" Mesh Fabric, Add	1,753.92	
For 1-1/4" Mesh Fabric, Add	1,128.96	
For 1-3/4" Mesh Fabric, Add	701.57	
For 2-1/8" Mesh Fabric, Deduct	-350.78	
For Gate With Barb Wire Arm, Add	443.52	
For Vinyl Coated, Add	1,209.60	
32 31 13 13-0611 EA 16' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	6,847.77	1,119.92
For 1" Mesh Fabric, Add	2,004.48	
For 1-1/4" Mesh Fabric, Add	1,290.24	
For 1-3/4" Mesh Fabric, Add	801.79	
For 2-1/8" Mesh Fabric, Deduct	-400.90	
For Gate With Barb Wire Arm, Add	506.88	
For Vinyl Coated, Add	1,382.40	
32 31 13 13-0612 EA 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	7,703.42	1,259.74
For 1" Mesh Fabric, Add	2,255.03	
For 1-1/4" Mesh Fabric, Add	1,451.51	
For 1-3/4" Mesh Fabric, Add	902.01	
For 2-1/8" Mesh Fabric, Deduct	-451.01	
For Gate With Barb Wire Arm, Add	570.24	
For Vinyl Coated, Add	1,555.19	
32 31 13 13-0613 EA 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	8,559.37	1,399.69
For 1" Mesh Fabric, Add	2,505.60	
For 1-1/4" Mesh Fabric, Add	1,612.80	
For 1-3/4" Mesh Fabric, Add	1,002.24	
For 2-1/8" Mesh Fabric, Deduct	-501.12	
For Gate With Barb Wire Arm, Add	633.60	
For Vinyl Coated, Add	1,728.00	
32 31 13 13-0614 EA 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	10,221.74	1,680.28
For 1" Mesh Fabric, Add	2,984.66	
For 1-1/4" Mesh Fabric, Add	1,921.16	
For 1-3/4" Mesh Fabric, Add	1,193.86	
For 2-1/8" Mesh Fabric, Deduct	-596.93	
For Gate With Barb Wire Arm, Add	754.74	
For Vinyl Coated, Add	2,058.38	
32 31 13 13-0615 EA 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	12,839.05	2,099.54
For 1" Mesh Fabric, Add	3,758.39	
For 1-1/4" Mesh Fabric, Add	2,419.19	
For 1-3/4" Mesh Fabric, Add	1,503.36	
For 2-1/8" Mesh Fabric, Deduct	-751.68	
For Gate With Barb Wire Arm, Add	950.40	
For Vinyl Coated, Add	2,591.99	
32 31 13 13-0616 EA 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	17,115.39	2,797.75
For 1" Mesh Fabric, Add	5,011.20	
For 1-1/4" Mesh Fabric, Add	3,225.60	
For 1-3/4" Mesh Fabric, Add	2,004.48	
For 2-1/8" Mesh Fabric, Deduct	-1,002.24	
For Gate With Barb Wire Arm, Add	1,267.20	
For Vinyl Coated, Add	3,456.00	

32 31 13 13-0617 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller (32 31 13 13-0263)

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0618 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	5,865.48	466.10
For 1" Mesh Fabric, Add	2,145.98	
For 1-1/4" Mesh Fabric, Add	1,381.32	
For 1-3/4" Mesh Fabric, Add	858.39	
For 2-1/8" Mesh Fabric, Deduct	-429.20	
For Gate With Single Barb Wire Arm, Add	542.66	
For Gate With Double Barb Wire Arm, Add	789.33	
For Aluminized Steel Gate And Post, Add	2,367.98	
For Powder Coated Gate And Post, Add	1,035.99	
For Vinyl Coated, Add	1,479.99	
32 31 13 13-0619 EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	6,434.35	582.62
For 1" Mesh Fabric, Add	2,292.06	
For 1-1/4" Mesh Fabric, Add	1,475.35	
For 1-3/4" Mesh Fabric, Add	916.83	
For 2-1/8" Mesh Fabric, Deduct	-458.41	
For Gate With Single Barb Wire Arm, Add	579.60	
For Gate With Double Barb Wire Arm, Add	843.06	
For Aluminized Steel Gate And Post, Add	2,529.17	
For Powder Coated Gate And Post, Add	1,106.51	
For Vinyl Coated, Add	1,580.73	
32 31 13 13-0620 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,007.84	699.15
For 1" Mesh Fabric, Add	2,440.15	
For 1-1/4" Mesh Fabric, Add	1,570.67	
For 1-3/4" Mesh Fabric, Add	976.06	
For 2-1/8" Mesh Fabric, Deduct	-488.03	
For Gate With Single Barb Wire Arm, Add	617.05	
For Gate With Double Barb Wire Arm, Add	897.53	
For Aluminized Steel Gate And Post, Add	2,692.58	
For Powder Coated Gate And Post, Add	1,178.01	
For Vinyl Coated, Add	1,682.87	
32 31 13 13-0621 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	8,221.87	932.19
For 1" Mesh Fabric, Add	2,765.50	
For 1-1/4" Mesh Fabric, Add	1,780.09	
For 1-3/4" Mesh Fabric, Add	1,106.20	
For 2-1/8" Mesh Fabric, Deduct	-553.10	
For Gate With Single Barb Wire Arm, Add	699.32	
For Gate With Double Barb Wire Arm, Add	1,017.20	
For Aluminized Steel Gate And Post, Add	3,051.59	
For Powder Coated Gate And Post, Add	1,335.07	
For Vinyl Coated, Add	1,907.24	
32 31 13 13-0622 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,641.56	932.19
For 1" Mesh Fabric, Add	2,513.07	
For 1-1/4" Mesh Fabric, Add	1,617.61	
For 1-3/4" Mesh Fabric, Add	1,005.23	
For 2-1/8" Mesh Fabric, Deduct	-502.61	
For Gate With Single Barb Wire Arm, Add	635.49	
For Gate With Double Barb Wire Arm, Add	924.35	
For Aluminized Steel Gate And Post, Add	2,773.04	
For Powder Coated Gate And Post, Add	1,213.21	
For Vinyl Coated, Add	1,733.15	
32 31 13 13-0623 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	8,953.26	1,223.50
For 1" Mesh Fabric, Add	2,830.22	
For 1-1/4" Mesh Fabric, Add	1,821.75	
For 1-3/4" Mesh Fabric, Add	1,132.09	
For 2-1/8" Mesh Fabric, Deduct	-566.04	
For Gate With Single Barb Wire Arm, Add	715.69	
For Gate With Double Barb Wire Arm, Add	1,041.00	
For Aluminized Steel Gate And Post, Add	3,123.00	
For Powder Coated Gate And Post, Add	1,366.31	
For Vinyl Coated, Add	1,951.88	
32 31 13 13-0624 EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	11,872.55	1,514.82
For 1" Mesh Fabric, Add	3,846.67	
For 1-1/4" Mesh Fabric, Add	2,476.02	
For 1-3/4" Mesh Fabric, Add	1,538.67	
For 2-1/8" Mesh Fabric, Deduct	-769.33	
For Gate With Single Barb Wire Arm, Add	972.72	
For Gate With Double Barb Wire Arm, Add	1,414.87	
For Aluminized Steel Gate And Post, Add	4,244.60	
For Powder Coated Gate And Post, Add	1,857.01	
For Vinyl Coated, Add	2,652.88	
32 31 13 13-0625 EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	13,371.51	1,806.13
For 1" Mesh Fabric, Add	4,245.28	
For 1-1/4" Mesh Fabric, Add	2,732.59	
For 1-3/4" Mesh Fabric, Add	1,698.11	
For 2-1/8" Mesh Fabric, Deduct	-849.06	
For Gate With Single Barb Wire Arm, Add	1,073.52	
For Gate With Double Barb Wire Arm, Add	1,561.48	
For Aluminized Steel Gate And Post, Add	4,684.44	
For Powder Coated Gate And Post, Add	2,049.44	
For Vinyl Coated, Add	2,927.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0626 EA 6' High x 36' Wide Galvanized Cantilever Sliding Gate.....	15,672.93	1,980.91
For 1" Mesh Fabric, Add	5,094.33	
For 1-1/4" Mesh Fabric, Add	3,279.11	
For 1-3/4" Mesh Fabric, Add	2,037.73	
For 2-1/8" Mesh Fabric, Deduct	-1,018.87	
For Gate With Single Barb Wire Arm, Add	1,288.22	
For Gate With Double Barb Wire Arm, Add	1,873.78	
For Aluminized Steel Gate And Post, Add	5,621.33	
For Powder Coated Gate And Post, Add	2,459.33	
For Vinyl Coated, Add	3,513.33	
32 31 13 13-0627 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	8,940.19	1,165.24
For 1" Mesh Fabric, Add	2,875.22	
For 1-1/4" Mesh Fabric, Add	1,850.72	
For 1-3/4" Mesh Fabric, Add	1,150.09	
For 2-1/8" Mesh Fabric, Deduct	-575.04	
For Gate With Single Barb Wire Arm, Add	727.07	
For Gate With Double Barb Wire Arm, Add	1,057.55	
For Aluminized Steel Gate And Post, Add	3,172.66	
For Powder Coated Gate And Post, Add	1,388.04	
For Vinyl Coated, Add	1,982.91	
32 31 13 13-0628 EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	10,588.77	1,573.08
For 1" Mesh Fabric, Add	3,237.54	
For 1-1/4" Mesh Fabric, Add	2,083.93	
For 1-3/4" Mesh Fabric, Add	1,295.01	
For 2-1/8" Mesh Fabric, Deduct	-647.51	
For Gate With Single Barb Wire Arm, Add	818.69	
For Gate With Double Barb Wire Arm, Add	1,190.82	
For Aluminized Steel Gate And Post, Add	3,572.45	
For Powder Coated Gate And Post, Add	1,562.95	
For Vinyl Coated, Add	2,232.78	
32 31 13 13-0629 EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	14,077.33	1,980.91
For 1" Mesh Fabric, Add	4,400.25	
For 1-1/4" Mesh Fabric, Add	2,832.34	
For 1-3/4" Mesh Fabric, Add	1,760.10	
For 2-1/8" Mesh Fabric, Deduct	-880.05	
For Gate With Single Barb Wire Arm, Add	1,112.71	
For Gate With Double Barb Wire Arm, Add	1,618.48	
For Aluminized Steel Gate And Post, Add	4,855.44	
For Powder Coated Gate And Post, Add	2,124.26	
For Vinyl Coated, Add	3,034.65	
32 31 13 13-0630 EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	15,823.43	2,330.48
For 1" Mesh Fabric, Add	4,855.67	
For 1-1/4" Mesh Fabric, Add	3,125.49	
For 1-3/4" Mesh Fabric, Add	1,942.27	
For 2-1/8" Mesh Fabric, Deduct	-971.13	
For Gate With Single Barb Wire Arm, Add	1,227.87	
For Gate With Double Barb Wire Arm, Add	1,785.99	
For Aluminized Steel Gate And Post, Add	5,357.98	
For Powder Coated Gate And Post, Add	2,344.12	
For Vinyl Coated, Add	3,348.74	
32 31 13 13-0631 EA 8' High x 36' Wide Galvanized Cantilever Sliding Gate.....	18,522.02	2,563.53
For 1" Mesh Fabric, Add	5,826.80	
For 1-1/4" Mesh Fabric, Add	3,750.59	
For 1-3/4" Mesh Fabric, Add	2,330.72	
For 2-1/8" Mesh Fabric, Deduct	-1,165.36	
For Gate With Single Barb Wire Arm, Add	1,473.44	
For Gate With Double Barb Wire Arm, Add	2,143.19	
For Aluminized Steel Gate And Post, Add	6,429.58	
For Powder Coated Gate And Post, Add	2,812.94	
For Vinyl Coated, Add	4,018.49	
32 31 13 13-0632 EA 10' High x 15' Wide Galvanized Cantilever Sliding Gate.....	10,232.50	1,398.29
For 1" Mesh Fabric, Add	3,234.63	
For 1-1/4" Mesh Fabric, Add	2,082.06	
For 1-3/4" Mesh Fabric, Add	1,293.85	
For 2-1/8" Mesh Fabric, Deduct	-646.93	
For Gate With Single Barb Wire Arm, Add	817.95	
For Gate With Double Barb Wire Arm, Add	1,189.75	
For Aluminized Steel Gate And Post, Add	3,569.24	
For Powder Coated Gate And Post, Add	1,561.54	
For Vinyl Coated, Add	2,230.78	
32 31 13 13-0633 EA 10' High x 20' Wide Galvanized Cantilever Sliding Gate.....	11,892.15	1,806.13
For 1" Mesh Fabric, Add	3,601.76	
For 1-1/4" Mesh Fabric, Add	2,318.37	
For 1-3/4" Mesh Fabric, Add	1,440.70	
For 2-1/8" Mesh Fabric, Deduct	-720.35	
For Gate With Single Barb Wire Arm, Add	910.79	
For Gate With Double Barb Wire Arm, Add	1,324.78	
For Aluminized Steel Gate And Post, Add	3,974.35	
For Powder Coated Gate And Post, Add	1,738.78	
For Vinyl Coated, Add	2,483.97	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0634 EA 10' High x 25' Wide Galvanized Cantilever Sliding Gate.....	15,574.82	2,097.44
For 1" Mesh Fabric, Add	4,950.28	
For 1-1/4" Mesh Fabric, Add	3,186.39	
For 1-3/4" Mesh Fabric, Add	1,980.11	
For 2-1/8" Mesh Fabric, Deduct	-990.06	
For Gate With Single Barb Wire Arm, Add	1,251.79	
For Gate With Double Barb Wire Arm, Add	1,820.79	
For Aluminized Steel Gate And Post, Add	5,462.38	
For Powder Coated Gate And Post, Add	2,389.79	
For Vinyl Coated, Add	3,413.99	
32 31 13 13-0635 EA 10' High x 30' Wide Galvanized Cantilever Sliding Gate.....	17,451.78	2,447.01
For 1" Mesh Fabric, Add	5,462.63	
For 1-1/4" Mesh Fabric, Add	3,516.17	
For 1-3/4" Mesh Fabric, Add	2,185.05	
For 2-1/8" Mesh Fabric, Deduct	-1,092.53	
For Gate With Single Barb Wire Arm, Add	1,381.35	
For Gate With Double Barb Wire Arm, Add	2,009.24	
For Aluminized Steel Gate And Post, Add	6,027.72	
For Powder Coated Gate And Post, Add	2,637.13	
For Vinyl Coated, Add	3,767.33	
32 31 13 13-0636 EA 10' High x 36' Wide Galvanized Cantilever Sliding Gate.....	20,429.43	2,680.06
For 1" Mesh Fabric, Add	6,555.15	
For 1-1/4" Mesh Fabric, Add	4,219.41	
For 1-3/4" Mesh Fabric, Add	2,622.06	
For 2-1/8" Mesh Fabric, Deduct	-1,311.03	
For Gate With Single Barb Wire Arm, Add	1,657.62	
For Gate With Double Barb Wire Arm, Add	2,411.09	
For Aluminized Steel Gate And Post, Add	7,233.27	
For Powder Coated Gate And Post, Add	3,164.56	
For Vinyl Coated, Add	4,520.79	
32 31 13 13-0637 EA 12' High x 15' Wide Galvanized Cantilever Sliding Gate.....	12,069.25	1,573.08
For 1" Mesh Fabric, Add	3,881.55	
For 1-1/4" Mesh Fabric, Add	2,498.47	
For 1-3/4" Mesh Fabric, Add	1,552.62	
For 2-1/8" Mesh Fabric, Deduct	-776.31	
For Gate With Single Barb Wire Arm, Add	981.54	
For Gate With Double Barb Wire Arm, Add	1,427.70	
For Aluminized Steel Gate And Post, Add	4,283.09	
For Powder Coated Gate And Post, Add	1,873.85	
For Vinyl Coated, Add	2,676.93	
32 31 13 13-0638 EA 12' High x 20' Wide Galvanized Cantilever Sliding Gate.....	14,009.34	1,980.91
For 1" Mesh Fabric, Add	4,370.67	
For 1-1/4" Mesh Fabric, Add	2,813.31	
For 1-3/4" Mesh Fabric, Add	1,748.27	
For 2-1/8" Mesh Fabric, Deduct	-874.13	
For Gate With Single Barb Wire Arm, Add	1,105.23	
For Gate With Double Barb Wire Arm, Add	1,607.60	
For Aluminized Steel Gate And Post, Add	4,822.81	
For Powder Coated Gate And Post, Add	2,109.98	
For Vinyl Coated, Add	3,014.26	
32 31 13 13-0639 EA 12' High x 25' Wide Galvanized Cantilever Sliding Gate.....	18,200.39	2,272.22
For 1" Mesh Fabric, Add	5,940.33	
For 1-1/4" Mesh Fabric, Add	3,823.66	
For 1-3/4" Mesh Fabric, Add	2,376.13	
For 2-1/8" Mesh Fabric, Deduct	-1,188.07	
For Gate With Single Barb Wire Arm, Add	1,502.15	
For Gate With Double Barb Wire Arm, Add	2,184.95	
For Aluminized Steel Gate And Post, Add	6,554.85	
For Powder Coated Gate And Post, Add	2,867.75	
For Vinyl Coated, Add	4,096.78	
32 31 13 13-0640 EA 12' High x 30' Wide Galvanized Cantilever Sliding Gate.....	20,196.38	2,563.53
For 1" Mesh Fabric, Add	6,555.15	
For 1-1/4" Mesh Fabric, Add	4,219.41	
For 1-3/4" Mesh Fabric, Add	2,622.06	
For 2-1/8" Mesh Fabric, Deduct	-1,311.03	
For Gate With Single Barb Wire Arm, Add	1,657.62	
For Gate With Double Barb Wire Arm, Add	2,411.09	
For Aluminized Steel Gate And Post, Add	7,233.27	
For Powder Coated Gate And Post, Add	3,164.56	
For Vinyl Coated, Add	4,520.79	
32 31 13 13-0641 EA 12' High x 36' Wide Galvanized Cantilever Sliding Gate.....	22,894.97	2,796.58
For 1" Mesh Fabric, Add	7,526.29	
For 1-1/4" Mesh Fabric, Add	4,844.51	
For 1-3/4" Mesh Fabric, Add	3,010.51	
For 2-1/8" Mesh Fabric, Deduct	-1,505.26	
For Gate With Single Barb Wire Arm, Add	1,903.20	
For Gate With Double Barb Wire Arm, Add	2,768.29	
For Aluminized Steel Gate And Post, Add	8,304.87	
For Powder Coated Gate And Post, Add	3,633.38	
For Vinyl Coated, Add	5,190.54	

32 31 13 13-0642 Gate Accessories (32 31 13 13-0263)

32 31 13 13-0643 EA Gate Center Stop, Cast Steel, Ground.....	46.54	
32 31 13 13-0644 EA Gate Latch, Malleable Galvanized Steel.....	52.12	
32 31 13 13-0645 EA Gate Keeper, Full Length, Galvanized Steel.....	242.81	
32 31 13 13-0646 EA Gate Keeper Hold-Open For Cantilever Gate.....	105.98	18.54



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0647	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	59.19	
32 31 13	13-0648	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	1,133.32	
32 31 13	13-0649	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,214.07	
32 31 13	13-0650	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,294.81	
32 31 13	13-0651	LF	Aluminum V-Groove Gate Track.....	61.50	10.27
32 31 13	13-0652	LF	Galvanized Steel V-Groove Gate Track.....	45.51	10.27
32 31 13	13-0653		Vertical-Pivot Lift Gate <small>(32 31 13 13-0263)</small> Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13	13-0654	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	22,661.50	873.93
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
32 31 13	13-0655	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	23,011.08	1,048.72
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
32 31 13	13-0656	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	23,360.65	1,223.50
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
			For Wind Bracing, Add	287.50	
32 31 13	13-0657	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	23,972.46	1,398.29
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
			For Wind Bracing, Add	317.50	
32 31 13	13-0658	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	24,571.16	1,573.08
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
			For Wind Bracing, Add	317.50	
32 31 13	13-0659	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	23,697.23	1,136.11
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
32 31 13	13-0660	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	24,046.81	1,310.89
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
32 31 13	13-0661	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	24,396.38	1,485.68
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
			For Wind Bracing, Add	287.50	
32 31 13	13-0662	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	24,890.18	1,660.47
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
			For Wind Bracing, Add	317.50	
32 31 13	13-0663	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	25,606.89	1,835.25
			For Curb Notch, Add	239.00	
			For Prewired Loop Kit, Add	245.00	
			For Wind Bracing, Add	317.50	
32 31 13	13-0664		Accessories <small>(32 31 13 13)</small>		
32 31 13	13-0665		Barbed And Concertina Wire <small>(32 31 13 13-0664)</small>		
32 31 13	13-0666		Single Strand Barbed Wire <small>(32 31 13 13-0665)</small>		
32 31 13	13-0667	LF	Galvanized Barbed Wire, Per Strand.....	1.06	0.49
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			For >500 To 2,000, Deduct	-0.10	
			For >2,000, Deduct	-0.15	
32 31 13	13-0668	LF	Vinyl Coated Barbed Wire (Fused), Per Strand	1.20	0.49
			Note: Includes clips.		
			For >500 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.16	
32 31 13	13-0669	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	11.75	7.81
32 31 13	13-0670	EA	Barbed Wire Extension Arms 6 Strands (Double Arm)	19.06	9.37
32 31 13	13-0671	EA	Barbed Wire Eye Tops (For Single Strand)	12.04	7.81
32 31 13	13-0672		Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0665)</small>		
32 31 13	13-0673	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.18	0.68
			For >500 To 1,500, Deduct	-0.44	
			For >1,500 To 5,000, Deduct	-0.88	
			For >5,000, Deduct	-1.23	
			For Ground Installation, Deduct	-0.49	
			For Double Coil (Helix), Add	4.20	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0674	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.80	0.68
		<i>For >500 To 1,500, Deduct</i>	-0.66	
		<i>For >1,500 To 5,000, Deduct</i>	-1.32	
		<i>For >5,000, Deduct</i>	-1.85	
		<i>For Ground Installation, Deduct</i>	-0.73	
		<i>For Double Coil (Helix), Add</i>	6.34	
32 31 13 13-0675	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.33	0.68
		<i>For >500 To 1,500, Deduct</i>	-0.87	
		<i>For >1,500 To 5,000, Deduct</i>	-1.74	
		<i>For >5,000, Deduct</i>	-2.46	
		<i>For Ground Installation, Deduct</i>	-0.98	
		<i>For Double Coil (Helix), Add</i>	8.38	
32 31 13 13-0676	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.02	0.68
		<i>For >500 To 1,500, Deduct</i>	-0.73	
		<i>For >1,500 To 5,000, Deduct</i>	-1.46	
		<i>For >5,000, Deduct</i>	-2.02	
		<i>For Ground Installation, Deduct</i>	-0.54	
		<i>For Double Coil (Helix), Add</i>	7.94	
32 31 13 13-0677	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.63	0.68
		<i>For >500 To 1,500, Deduct</i>	-1.10	
		<i>For >1,500 To 5,000, Deduct</i>	-2.21	
		<i>For >5,000, Deduct</i>	-3.05	
		<i>For Ground Installation, Deduct</i>	-0.81	
		<i>For Double Coil (Helix), Add</i>	12.01	
32 31 13 13-0678	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	18.01	0.68
		<i>For >500 To 1,500, Deduct</i>	-1.46	
		<i>For >1,500 To 5,000, Deduct</i>	-2.92	
		<i>For >5,000, Deduct</i>	-4.03	
		<i>For Ground Installation, Deduct</i>	-1.08	
		<i>For Double Coil (Helix), Add</i>	15.86	
32 31 13 13-0679	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	29.33	0.68
		<i>For >500 To 1,500, Deduct</i>	-2.26	
		<i>For >1,500 To 5,000, Deduct</i>	-4.52	
		<i>For >5,000, Deduct</i>	-6.11	
		<i>For Ground Installation, Deduct</i>	-0.61	
		<i>For Double Coil (Helix), Add</i>	28.11	
32 31 13 13-0680	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	44.39	0.68
		<i>For >500 To 1,500, Deduct</i>	-3.42	
		<i>For >1,500 To 5,000, Deduct</i>	-6.84	
		<i>For >5,000, Deduct</i>	-9.24	
		<i>For Ground Installation, Deduct</i>	-0.92	
		<i>For Double Coil (Helix), Add</i>	42.56	
32 31 13 13-0681	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	58.65	0.68
		<i>For >500 To 1,500, Deduct</i>	-4.52	
		<i>For >1,500 To 5,000, Deduct</i>	-9.04	
		<i>For >5,000, Deduct</i>	-12.22	
		<i>For Ground Installation, Deduct</i>	-1.22	
		<i>For Double Coil (Helix), Add</i>	56.21	
32 31 13 13-0682		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0665)</small>		
32 31 13 13-0683	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.79	0.68
		<i>For >500 To 1,500, Deduct</i>	-0.78	
		<i>For >1,500 To 5,000, Deduct</i>	-1.57	
		<i>For >5,000, Deduct</i>	-2.15	
		<i>For Ground Installation, Deduct</i>	-0.49	
		<i>For Double Coil (Helix), Add</i>	8.81	
32 31 13 13-0684	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.80	0.68
		<i>For >500 To 1,500, Deduct</i>	-1.18	
		<i>For >1,500 To 5,000, Deduct</i>	-2.37	
		<i>For >5,000, Deduct</i>	-3.25	
		<i>For Ground Installation, Deduct</i>	-0.73	
		<i>For Double Coil (Helix), Add</i>	13.34	
32 31 13 13-0685	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.56	0.68
		<i>For >500 To 1,500, Deduct</i>	-1.56	
		<i>For >1,500 To 5,000, Deduct</i>	-3.13	
		<i>For >5,000, Deduct</i>	-4.30	
		<i>For Ground Installation, Deduct</i>	-0.98	
		<i>For Double Coil (Helix), Add</i>	17.61	
32 31 13 13-0686	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.94	0.68
		<i>For >500 To 1,500, Deduct</i>	-1.02	
		<i>For >1,500 To 5,000, Deduct</i>	-2.05	
		<i>For >5,000, Deduct</i>	-2.81	
		<i>For Ground Installation, Deduct</i>	-0.54	
		<i>For Double Coil (Helix), Add</i>	11.86	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0687 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	19.57	0.68
For >500 To 1,500, Deduct	-1.55	
For >1,500 To 5,000, Deduct	-3.10	
For >5,000, Deduct	-4.24	
For Ground Installation, Deduct	-0.81	
For Double Coil (Helix), Add	17.95	
32 31 13 13-0688 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	25.85	0.68
For >500 To 1,500, Deduct	-2.05	
For >1,500 To 5,000, Deduct	-4.09	
For >5,000, Deduct	-5.60	
For Ground Installation, Deduct	-1.08	
For Double Coil (Helix), Add	23.70	
32 31 13 13-0689 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	44.15	0.68
For >500 To 1,500, Deduct	-3.37	
For >1,500 To 5,000, Deduct	-6.74	
For >5,000, Deduct	-9.07	
For Ground Installation, Deduct	-0.61	
For Double Coil (Helix), Add	42.93	
32 31 13 13-0690 LF 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	66.85	0.68
For >500 To 1,500, Deduct	-5.11	
For >1,500 To 5,000, Deduct	-10.21	
For >5,000, Deduct	-13.74	
For Ground Installation, Deduct	-0.92	
For Double Coil (Helix), Add	65.02	
32 31 13 13-0691 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	88.29	0.68
For >500 To 1,500, Deduct	-6.74	
For >1,500 To 5,000, Deduct	-13.49	
For >5,000, Deduct	-18.15	
For Ground Installation, Deduct	-1.22	
For Double Coil (Helix), Add	85.85	
32 31 13 13-0692 Grounding For Gates (32 31 13 13-0664)		
Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0693 OPNG Grounding For Gates (Per Opening)	446.41	
32 31 13 13-0694 Coiled Spring Reinforcing Wire (32 31 13 13-0664)		
32 31 13 13-0695 Galvanized Steel (32 31 13 13-0694)		
32 31 13 13-0696 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.17	0.49
32 31 13 13-0697 Vinyl Coated Steel (32 31 13 13-0694)		
32 31 13 13-0698 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.17	0.49
32 31 13 13-0699 Bending Of Fabric Around Pipe Railings (32 31 13 13-0664)		
Note: Only where specified.		
32 31 13 13-0700 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.51	
32 31 13 13-0701 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.31	
32 31 13 13-0702 Mounting Plate With Anchors Or Bolts (32 31 13 13-0664)		
Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0703 EA Mounting Plate For 1-5/8" Diameter Post	45.26	
32 31 13 13-0704 EA Mounting Plate For 2" Diameter Post	46.04	
32 31 13 13-0705 EA Mounting Plate For 2-1/2" Diameter Post	47.30	
32 31 13 13-0706 EA Mounting Plate For 3" Diameter Post	57.20	
32 31 13 13-0707 EA Mounting Plate For 4" Diameter Post	65.92	
32 31 13 13-0708 EA Mounting Plate For 6-5/8" Diameter Post	76.57	
32 31 13 13-0709 EA Mounting Plate For 8-5/8" Diameter Post	90.46	
32 31 13 13-0710 Tension Bar (32 31 13 13-0664)		
32 31 13 13-0711 EA 3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	15.93	
32 31 13 13-0712 EA 3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	16.95	
32 31 13 13-0713 EA 4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	21.02	
32 31 13 13-0714 EA 5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	24.41	
32 31 13 13-0715 EA 6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	28.91	
32 31 13 13-0716 EA 7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	33.60	
32 31 13 13-0717 EA 8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	38.01	
32 31 13 13-0718 EA 9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	45.72	
32 31 13 13-0719 EA 10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	54.74	
32 31 13 13-0720 Truss Rods (32 31 13 13-0664)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0721	LF	3/8" Diameter Truss Rods.....	2.15	0.53
32 31 13 13-0722		Fence And Gate Repair And Replacement (32 31 13 13)		
32 31 13 13-0723		Fence And Gate Parts Replacement (32 31 13 13-0722)		
32 31 13 13-0724	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	127.98	
32 31 13 13-0725	EA	Sliding Gate Roller Assembly Replacement.....	124.53	
32 31 13 13-0726	EA	Rod And Lock Gate Keeper Replacement.....	127.96	
32 31 13 13-0727	EA	Galvanized Gate Holdback Replacement.....	27.32	
32 31 13 13-0728	LF	3/8" Cross Bracing Rod Replacement.....	1.62	
32 31 13 13-0729	LF	1-5/8" Diagonal Pipe Bracing Replacement.....	2.55	
32 31 13 13-0730	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	27.77	
32 31 13 13-0731	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	31.61	
32 31 13 13-0732	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	35.59	
32 31 13 13-0733	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	53.12	
32 31 13 13-0734	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	128.91	
32 31 13 13-0735	EA	2-1/2" x 2" Off Set Gate Hinge Replacement.....	26.02	
32 31 13 13-0736	EA	3" x 2" Off Set Gate Hinge Replacement.....	27.15	
32 31 13 13-0737	EA	4" x 2" Off Set Gate Hinge Replacement.....	28.94	
32 31 13 13-0738	EA	6-5/8" x 2" Off Set Gate Hinge Replacement.....	48.05	
32 31 13 13-0739	EA	8-5/8" x 2" Off Set Gate Hinge Replacement.....	76.42	
32 31 13 13-0740	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	5.62	
32 31 13 13-0741	EA	2" Aluminum Die-Cast Post Cap Replacement.....	6.18	
32 31 13 13-0742	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	7.24	
32 31 13 13-0743	EA	3" Aluminum Die-Cast Post Cap Replacement.....	8.49	
32 31 13 13-0744	EA	2" Galvanized Post Cap Replacement.....	6.28	
32 31 13 13-0745	EA	2-1/2" Galvanized Post Cap Replacement.....	6.78	
32 31 13 13-0746	EA	3" Galvanized Post Cap Replacement.....	7.80	
32 31 13 13-0747	EA	4" Galvanized Post Cap Replacement.....	11.78	
32 31 13 13-0748	EA	6-5/8" Galvanized Post Cap Replacement.....	22.71	
32 31 13 13-0749	EA	8-5/8" Galvanized Post Cap Replacement.....	37.53	
32 31 13 13-0750	EA	1-5/8" Boulevard Clamp Replacement.....	10.39	
32 31 13 13-0751	EA	2" Boulevard Clamp Replacement.....	12.68	
32 31 13 13-0752	EA	2-1/2" Boulevard Clamp Replacement.....	14.86	
32 31 13 13-0753	EA	3" Boulevard Clamp Replacement.....	18.03	
32 31 13 13-0754	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement.....	10.17	
32 31 13 13-0755	EA	2" Gate Brace Or End Rail Clamp Replacement.....	12.37	
32 31 13 13-0756	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement.....	14.56	
32 31 13 13-0757	EA	3" Gate Brace Or End Rail Clamp Replacement.....	17.71	
32 31 13 13-0758	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.72	
32 31 13 13-0759	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.82	
32 31 13 13-0760	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.08	
32 31 13 13-0761	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.96	
32 31 13 13-0762	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.16	
32 31 13 13-0763	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.32	
32 31 13 13-0764	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.79	
32 31 13 13-0765	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	15.22	
32 31 13 13-0766		Removal And Reinstallation Of Chain Link Fences (32 31 13 13)		
		Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0767	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	19.52	
32 31 13 13-0768	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	29.28	
32 31 13 33		Chain Link Backstops (32 31 13)		
32 31 13 33-0001		Regulation Baseball Backstop (32 31 13 33)		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	12,793.14	1,907.64
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	18,514.85	2,543.52
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	23,676.24	2,967.43
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	18,181.96	1,907.64
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	26,578.23	2,543.52
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	34,317.13	2,967.43
32 31 13 33-0008		Regulation Softball Backstop (32 31 13 33)		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009		14' High Softball Backstop (32 31 13 33-0008)		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation.....	10,944.93	2,026.47
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation.....	14,809.89	2,026.47
32 31 13 33-0012		18' High Softball Backstop (32 31 13 33-0008)		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation	12,798.65		2,252.88
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation	17,473.99		2,252.88
32 31 13 33-0015		20' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation	14,525.35		2,375.35
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation	20,073.48		2,375.35
32 31 13 33-0018		22' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation	16,766.58		2,447.01
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation	23,436.74		2,447.01
32 31 13 33-0021		24' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation	19,999.90		2,796.58
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation	28,290.84		2,796.58
32 31 16		Welded Wire Fences and Gates <small>(32 31)</small>			
32 31 16 00-0001		Welded Wire Fence <small>(32 31 16)</small>			
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.			
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	9.52		1.70
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.32		1.70
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.			
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	9.36		1.70
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.07		1.70
32 31 19		Decorative Metal Fences and Gates <small>(32 31)</small> See CSI section 32 31 13 13-0001 for drilling and grouting.			
32 31 19 00-0001		Wrought Iron Fence <small>(32 31 19)</small> Note: Factory primed.			
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center <small>(32 31 19 00-0001)</small> Note: Factory primed 8 foot long panel sections.			
32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	51.08		10.74
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	9.16		
		For Verticals Up To 2" On Center, Add	9.48		
		For Verticals >2" To 2-1/2" On Center, Add	5.92		
		For Verticals >2-1/2" To 3" On Center, Add	2.37		
		For Verticals >4" To 6" On Center, Deduct	-2.66		
		For Pickets Extending Above Top Rail, Add	4.77		
		For Curved Pickets Extending Above Top Rail, Add	11.23		
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	65.61		13.67
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	11.69		
		For Verticals Up To 2" On Center, Add	12.56		
		For Verticals >2" To 2-1/2" On Center, Add	7.85		
		For Verticals >2-1/2" To 3" On Center, Add	3.14		
		For Verticals >4" To 6" On Center, Deduct	-3.53		
		For Pickets Extending Above Top Rail, Add	6.22		
		For Curved Pickets Extending Above Top Rail, Add	14.73		
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	78.18		14.25
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	13.74		
		For Verticals Up To 2" On Center, Add	15.84		
		For Verticals >2" To 2-1/2" On Center, Add	9.90		
		For Verticals >2-1/2" To 3" On Center, Add	3.96		
		For Verticals >4" To 6" On Center, Deduct	-4.45		
		For Pickets Extending Above Top Rail, Add	7.62		
		For Curved Pickets Extending Above Top Rail, Add	18.24		
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	94.68		17.18
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	16.61		
		For Verticals Up To 2" On Center, Add	19.28		
		For Verticals >2" To 2-1/2" On Center, Add	12.05		
		For Verticals >2-1/2" To 3" On Center, Add	4.82		
		For Verticals >4" To 6" On Center, Deduct	-5.42		
		For Pickets Extending Above Top Rail, Add	9.25		
		For Curved Pickets Extending Above Top Rail, Add	22.16		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0007 LF 7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	111.24	18.17
For 6' Length Fence Panels With Posts Set 6' O.C., Add	19.23	
For Verticals Up To 2" On Center, Add	23.96	
For Verticals >2" To 2-1/2" On Center, Add	14.98	
For Verticals >2-1/2" To 3" On Center, Add	5.99	
For Verticals >4" To 6" On Center, Deduct	-6.74	
For Pickets Extending Above Top Rail, Add	11.18	
For Curved Pickets Extending Above Top Rail, Add	27.06	
32 31 19 00-0008 LF 8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	127.78	19.12
For 6' Length Fence Panels With Posts Set 6' O.C., Add	21.85	
For Verticals Up To 2" On Center, Add	28.65	
For Verticals >2" To 2-1/2" On Center, Add	17.90	
For Verticals >2-1/2" To 3" On Center, Add	7.16	
For Verticals >4" To 6" On Center, Deduct	-8.06	
For Pickets Extending Above Top Rail, Add	13.10	
For Curved Pickets Extending Above Top Rail, Add	31.96	
32 31 19 00-0009 LF 10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	155.70	21.47
For 6' Length Fence Panels With Posts Set 6' O.C., Add	26.36	
For Verticals Up To 2" On Center, Add	36.08	
For Verticals >2" To 2-1/2" On Center, Add	22.55	
For Verticals >2-1/2" To 3" On Center, Add	9.02	
For Verticals >4" To 6" On Center, Deduct	-10.15	
For Pickets Extending Above Top Rail, Add	16.24	
For Curved Pickets Extending Above Top Rail, Add	39.87	
32 31 19 00-0010 LF 12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	184.19	24.39
For 6' Length Fence Panels With Posts Set 6' O.C., Add	31.04	
For Verticals Up To 2" On Center, Add	43.33	
For Verticals >2" To 2-1/2" On Center, Add	27.08	
For Verticals >2-1/2" To 3" On Center, Add	10.83	
For Verticals >4" To 6" On Center, Deduct	-12.19	
For Pickets Extending Above Top Rail, Add	19.36	
For Curved Pickets Extending Above Top Rail, Add	47.66	
32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001)		
Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim	62.99	13.08
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	82.67	16.20
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	101.11	19.52
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	122.93	23.42
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	165.60	25.96
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	200.82	28.69
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	235.37	32.59
32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim	77.08	11.71
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim	101.24	14.64
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim	123.34	17.57
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim	149.54	21.08
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim	202.36	23.42
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim	245.82	25.76
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim	288.61	29.28
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029 LF Removal And Replacement Of Wrought Iron Picket.....	19.48	
32 31 19 00-0030 LF Removal And Replacement Of Wrought Iron Post.....	29.22	
32 31 19 00-0031 EA Straighten Wrought Iron Post.....	78.07	
32 31 19 00-0032 Steel Tube Fence, Powder Coated (32 31 19)		
Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
Note: 6 foot long panel sections.		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	71.65	10.74
For Verticals Up To 2" On Center, Add	10.12	
For Verticals >2" To 2-1/2" On Center, Add	5.06	
For Verticals >3" To 4" On Center, Deduct	-5.06	
For Verticals >4" To 6" On Center, Deduct	-10.12	
For Pickets Extending Above Top Rail, Add	5.35	
For Curved Pickets Extending Above Top Rail, Add	9.42	
For Solid Pickets, Add	14.54	
For Aluminum With Satin Finish, Add	12.03	
For Third Rail, Add	3.80	
For 1" Square x 14 Gauge Pickets, Add	12.65	
For 3" Square Posts, Add	6.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0035	LF		3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	76.66	11.48
			For Verticals Up To 2" On Center, Add	10.74	
			For Verticals >2" To 2-1/2" On Center, Add	5.37	
			For Verticals >3" To 4" On Center, Deduct	-5.37	
			For Verticals >4" To 6" On Center, Deduct	-10.74	
			For Pickets Extending Above Top Rail, Add	5.71	
			For Curved Pickets Extending Above Top Rail, Add	10.05	
			For Solid Pickets, Add	15.53	
			For Aluminum With Satin Finish, Add	12.67	
			For Third Rail, Add	4.03	
			For 1" Square x 14 Gauge Pickets, Add	13.43	
			For 3" Square Posts, Add	6.71	
32 31 19 00-0036	LF		4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	81.09	12.68
			For Verticals Up To 2" On Center, Add	11.24	
			For Verticals >2" To 2-1/2" On Center, Add	5.62	
			For Verticals >3" To 4" On Center, Deduct	-5.62	
			For Verticals >4" To 6" On Center, Deduct	-11.24	
			For Pickets Extending Above Top Rail, Add	6.02	
			For Curved Pickets Extending Above Top Rail, Add	10.58	
			For Solid Pickets, Add	16.38	
			For Aluminum With Satin Finish, Add	13.14	
			For Third Rail, Add	4.22	
			For 1" Square x 14 Gauge Pickets, Add	14.06	
			For 3" Square Posts, Add	7.03	
32 31 19 00-0037	LF		5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	86.32	14.25
			For Verticals Up To 2" On Center, Add	11.53	
			For Verticals >2" To 2-1/2" On Center, Add	5.76	
			For Verticals >3" To 4" On Center, Deduct	-5.76	
			For Verticals >4" To 6" On Center, Deduct	-11.53	
			For Pickets Extending Above Top Rail, Add	6.33	
			For Curved Pickets Extending Above Top Rail, Add	11.08	
			For Solid Pickets, Add	17.27	
			For Aluminum With Satin Finish, Add	12.99	
			For Third Rail, Add	4.32	
			For 1" Square x 14 Gauge Pickets, Add	14.41	
			For 3" Square Posts, Add	7.20	
32 31 19 00-0038	LF		6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	100.13	16.10
			For Verticals Up To 2" On Center, Add	13.58	
			For Verticals >2" To 2-1/2" On Center, Add	6.79	
			For Verticals >3" To 4" On Center, Deduct	-6.79	
			For Verticals >4" To 6" On Center, Deduct	-13.58	
			For Pickets Extending Above Top Rail, Add	7.38	
			For Curved Pickets Extending Above Top Rail, Add	12.94	
			For Solid Pickets, Add	20.11	
			For Aluminum With Satin Finish, Add	15.54	
			For Third Rail, Add	5.09	
			For 1" Square x 14 Gauge Pickets, Add	16.98	
			For 3" Square Posts, Add	8.49	
32 31 19 00-0039	LF		7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	114.71	17.57
			For Verticals Up To 2" On Center, Add	15.92	
			For Verticals >2" To 2-1/2" On Center, Add	7.96	
			For Verticals >3" To 4" On Center, Deduct	-7.96	
			For Verticals >4" To 6" On Center, Deduct	-15.92	
			For Pickets Extending Above Top Rail, Add	8.52	
			For Curved Pickets Extending Above Top Rail, Add	14.97	
			For Solid Pickets, Add	23.18	
			For Aluminum With Satin Finish, Add	18.60	
			For Third Rail, Add	5.97	
			For 1" Square x 14 Gauge Pickets, Add	19.90	
			For 4" Square Posts, Add	27.85	
32 31 19 00-0040	LF		8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	129.49	19.12
			For Verticals Up To 2" On Center, Add	18.25	
			For Verticals >2" To 2-1/2" On Center, Add	9.12	
			For Verticals >3" To 4" On Center, Deduct	-9.12	
			For Verticals >4" To 6" On Center, Deduct	-18.25	
			For Pickets Extending Above Top Rail, Add	9.67	
			For Curved Pickets Extending Above Top Rail, Add	17.01	
			For Solid Pickets, Add	26.27	
			For Aluminum With Satin Finish, Add	21.63	
			For Third Rail, Add	6.84	
			For 1" Square x 14 Gauge Pickets, Add	22.81	
			For 4" Square Posts, Add	31.93	
32 31 19 00-0041	LF		9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	150.69	20.49
			For Verticals Up To 2" On Center, Add	21.94	
			For Verticals >2" To 2-1/2" On Center, Add	10.97	
			For Verticals >3" To 4" On Center, Deduct	-10.97	
			For Verticals >4" To 6" On Center, Deduct	-21.94	
			For Pickets Extending Above Top Rail, Add	11.37	
			For Curved Pickets Extending Above Top Rail, Add	20.08	
			For Solid Pickets, Add	30.83	
			For Aluminum With Satin Finish, Add	26.76	
			For Third Rail, Add	8.23	
			For 1" Square x 14 Gauge Pickets, Add	27.43	
			For 4" Square Posts, Add	38.40	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0042	LF		10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	172.09	21.96
			<i>For Verticals Up To 2" On Center, Add</i>	25.63	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	12.82	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-12.82	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-25.63	
			<i>For Pickets Extending Above Top Rail, Add</i>	13.09	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	23.16	
			<i>For Solid Pickets, Add</i>	35.43	
			<i>For Aluminum With Satin Finish, Add</i>	31.86	
			<i>For Third Rail, Add</i>	9.61	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	32.04	
			<i>For 6" Square Posts, Add</i>	44.86	
32 31 19 00-0043	LF		12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	202.81	24.39
			<i>For Verticals Up To 2" On Center, Add</i>	30.80	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	15.40	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-15.40	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-30.80	
			<i>For Pickets Extending Above Top Rail, Add</i>	15.53	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	27.53	
			<i>For Solid Pickets, Add</i>	41.97	
			<i>For Aluminum With Satin Finish, Add</i>	38.89	
			<i>For Third Rail, Add</i>	11.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	38.51	
			<i>For 6" Square Posts, Add</i>	53.91	
32 31 19 00-0044	LF		14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	217.23	26.35
			<i>For Verticals Up To 2" On Center, Add</i>	32.91	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	16.45	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-16.45	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-32.91	
			<i>For Pickets Extending Above Top Rail, Add</i>	16.62	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	29.45	
			<i>For Solid Pickets, Add</i>	44.92	
			<i>For Aluminum With Satin Finish, Add</i>	41.45	
			<i>For Third Rail, Add</i>	12.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	41.13	
			<i>For 6" Square Posts, Add</i>	57.59	
32 31 19 00-0045			Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0046			3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0047	EA		3' Wide x 3' High Steel Tube Single Swing Gate	720.46	20.79
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	157.42	
			<i>For Aluminum With Satin Finish, Add</i>	188.03	
			<i>For Third Rail, Add</i>	49.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	65.80	
32 31 19 00-0048	EA		3'-6" Wide x 3' High Steel Tube Single Swing Gate	801.84	21.76
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	175.51	
			<i>For Aluminum With Satin Finish, Add</i>	211.13	
			<i>For Third Rail, Add</i>	55.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	73.65	
32 31 19 00-0049	EA		4' Wide x 3' High Steel Tube Single Swing Gate	887.77	23.03
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	194.55	
			<i>For Aluminum With Satin Finish, Add</i>	235.16	
			<i>For Third Rail, Add</i>	61.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.85	
32 31 19 00-0050	EA		5' Wide x 3' High Steel Tube Single Swing Gate	933.67	24.69
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	204.51	
			<i>For Aluminum With Satin Finish, Add</i>	246.72	
			<i>For Third Rail, Add</i>	64.46	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.95	
32 31 19 00-0051	EA		6' Wide x 3' High Steel Tube Single Swing Gate	1,042.81	29.57
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	227.97	
			<i>For Aluminum With Satin Finish, Add</i>	272.88	
			<i>For Third Rail, Add</i>	71.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.40	
32 31 19 00-0052	EA		7' Wide x 3' High Steel Tube Single Swing Gate	1,109.16	34.45
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	241.80	
			<i>For Aluminum With Satin Finish, Add</i>	286.20	
			<i>For Third Rail, Add</i>	75.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.57	
32 31 19 00-0053	EA		8' Wide x 3' High Steel Tube Single Swing Gate	1,210.37	39.62
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	263.40	
			<i>For Aluminum With Satin Finish, Add</i>	309.54	
			<i>For Third Rail, Add</i>	81.85	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.13	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0054 EA 9' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,298.12 282.05 329.28 87.33 116.44	44.50
32 31 19 00-0055 EA 10' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,375.17 298.29 345.80 92.01 122.68	49.37
32 31 19 00-0056 EA 6' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,506.71 329.64 395.80 103.64 138.18	41.57
32 31 19 00-0057 EA 7' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,605.48 351.43 422.80 110.60 147.47	43.53
32 31 19 00-0058 EA 8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,775.56 389.11 470.31 122.77 163.70	46.15
32 31 19 00-0059 EA 9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,860.67 407.89 493.65 128.79 171.72	47.82
32 31 19 00-0060 EA 10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,929.75 423.07 512.18 133.61 178.14	49.37
32 31 19 00-0061 EA 12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,171.23 475.21 571.44 149.52 199.36	59.14
32 31 19 00-0062 EA 14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,378.83 519.72 620.55 162.90 217.19	68.90
32 31 19 00-0063 EA 16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,552.70 556.50 658.66 173.59 231.46	79.34
32 31 19 00-0064 EA 18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,697.89 586.97 689.04 182.29 243.05	89.00
32 31 19 00-0065 EA 20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,816.32 611.42 711.40 188.97 251.97	98.76
32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0067 EA 3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	832.65 182.41 220.15 57.51 76.68	19.52

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	901.06	22.74
			<i>For Solid Pickets, Add</i>	197.62	
			<i>For Aluminum With Satin Finish, Add</i>	239.58	
			<i>For Third Rail, Add</i>	62.46	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.28	
32 31	19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	971.92	24.39
			<i>For Solid Pickets, Add</i>	213.19	
			<i>For Aluminum With Satin Finish, Add</i>	258.64	
			<i>For Third Rail, Add</i>	67.40	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.87	
32 31	19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,030.30	25.96
			<i>For Solid Pickets, Add</i>	225.96	
			<i>For Aluminum With Satin Finish, Add</i>	273.96	
			<i>For Third Rail, Add</i>	71.42	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.22	
32 31	19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,110.11	31.23
			<i>For Solid Pickets, Add</i>	242.75	
			<i>For Aluminum With Satin Finish, Add</i>	290.87	
			<i>For Third Rail, Add</i>	76.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	101.64	
32 31	19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,218.45	36.40
			<i>For Solid Pickets, Add</i>	265.95	
			<i>For Aluminum With Satin Finish, Add</i>	316.35	
			<i>For Third Rail, Add</i>	83.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.92	
32 31	19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,367.80	41.57
			<i>For Solid Pickets, Add</i>	298.39	
			<i>For Aluminum With Satin Finish, Add</i>	354.13	
			<i>For Third Rail, Add</i>	93.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	124.29	
32 31	19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,513.58	46.84
			<i>For Solid Pickets, Add</i>	330.02	
			<i>For Aluminum With Satin Finish, Add</i>	390.84	
			<i>For Third Rail, Add</i>	102.98	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	137.31	
32 31	19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,652.24	52.01
			<i>For Solid Pickets, Add</i>	360.04	
			<i>For Aluminum With Satin Finish, Add</i>	425.41	
			<i>For Third Rail, Add</i>	112.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.61	
32 31	19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,665.30	43.92
			<i>For Solid Pickets, Add</i>	364.81	
			<i>For Aluminum With Satin Finish, Add</i>	440.30	
			<i>For Third Rail, Add</i>	115.02	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	153.36	
32 31	19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,802.13	45.47
			<i>For Solid Pickets, Add</i>	395.23	
			<i>For Aluminum With Satin Finish, Add</i>	479.16	
			<i>For Third Rail, Add</i>	124.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	166.55	
32 31	19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,943.85	48.79
			<i>For Solid Pickets, Add</i>	426.39	
			<i>For Aluminum With Satin Finish, Add</i>	517.28	
			<i>For Third Rail, Add</i>	134.81	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	179.75	
32 31	19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,055.72	50.36
			<i>For Solid Pickets, Add</i>	451.19	
			<i>For Aluminum With Satin Finish, Add</i>	548.65	
			<i>For Third Rail, Add</i>	142.83	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	190.45	
32 31	19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,149.76	52.01
			<i>For Solid Pickets, Add</i>	471.99	
			<i>For Aluminum With Satin Finish, Add</i>	574.67	
			<i>For Third Rail, Add</i>	149.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.36	
32 31	19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,439.55	62.36
			<i>For Solid Pickets, Add</i>	534.85	
			<i>For Aluminum With Satin Finish, Add</i>	647.55	
			<i>For Third Rail, Add</i>	168.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	225.22	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0082 EA 14' Wide x 4' High Steel Tube Double Swing Gate	2,693.68	72.80
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	589.68	
<i>For Aluminum With Satin Finish, Add</i>	709.73	
<i>For Third Rail, Add</i>	185.63	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	247.51	
32 31 19 00-0083 EA 16' Wide x 4' High Steel Tube Double Swing Gate	2,913.92	83.15
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	636.90	
<i>For Aluminum With Satin Finish, Add</i>	761.76	
<i>For Third Rail, Add</i>	199.81	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	266.41	
32 31 19 00-0084 EA 18' Wide x 4' High Steel Tube Double Swing Gate	3,103.86	93.58
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	677.29	
<i>For Aluminum With Satin Finish, Add</i>	804.69	
<i>For Third Rail, Add</i>	211.71	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	282.28	
32 31 19 00-0085 EA 20' Wide x 4' High Steel Tube Double Swing Gate	3,265.27	104.03
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	711.26	
<i>For Aluminum With Satin Finish, Add</i>	839.05	
<i>For Third Rail, Add</i>	221.47	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	295.30	
32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087 EA 3' Wide x 5' High Steel Tube Single Swing Gate	906.41	22.74
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	198.82	
<i>For Aluminum With Satin Finish, Add</i>	241.18	
<i>For Third Rail, Add</i>	62.86	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.81	
32 31 19 00-0088 EA 3'-6" Wide x 5' High Steel Tube Single Swing Gate	955.87	24.39
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	209.58	
<i>For Aluminum With Satin Finish, Add</i>	253.83	
<i>For Third Rail, Add</i>	66.20	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	88.27	
32 31 19 00-0089 EA 4' Wide x 5' High Steel Tube Single Swing Gate	1,003.55	25.96
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	219.94	
<i>For Aluminum With Satin Finish, Add</i>	265.93	
<i>For Third Rail, Add</i>	69.41	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	92.55	
32 31 19 00-0090 EA 5' Wide x 5' High Steel Tube Single Swing Gate	1,072.63	27.61
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	235.12	
<i>For Aluminum With Satin Finish, Add</i>	284.46	
<i>For Third Rail, Add</i>	74.23	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.97	
32 31 19 00-0091 EA 6' Wide x 5' High Steel Tube Single Swing Gate	1,165.89	33.18
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	254.86	
<i>For Aluminum With Satin Finish, Add</i>	304.97	
<i>For Third Rail, Add</i>	79.98	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.64	
32 31 19 00-0092 EA 7' Wide x 5' High Steel Tube Single Swing Gate	1,289.48	38.65
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	281.42	
<i>For Aluminum With Satin Finish, Add</i>	334.59	
<i>For Third Rail, Add</i>	88.00	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	117.34	
32 31 19 00-0093 EA 8' Wide x 5' High Steel Tube Single Swing Gate	1,462.18	44.50
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	318.96	
<i>For Aluminum With Satin Finish, Add</i>	378.49	
<i>For Third Rail, Add</i>	99.64	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.85	
32 31 19 00-0094 EA 9' Wide x 5' High Steel Tube Single Swing Gate	1,630.34	50.06
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	355.56	
<i>For Aluminum With Satin Finish, Add</i>	421.48	
<i>For Third Rail, Add</i>	111.00	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	148.01	
32 31 19 00-0095 EA 10' Wide x 5' High Steel Tube Single Swing Gate	1,794.93	55.52
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	391.34	
<i>For Aluminum With Satin Finish, Add</i>	463.39	
<i>For Third Rail, Add</i>	122.10	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	162.81	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,785.71	38.35
		<i>For Solid Pickets, Add</i>	393.57	
		<i>For Aluminum With Satin Finish, Add</i>	486.44	
		<i>For Third Rail, Add</i>	125.72	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.62	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,891.32	44.69
		<i>For Solid Pickets, Add</i>	415.97	
		<i>For Aluminum With Satin Finish, Add</i>	509.91	
		<i>For Third Rail, Add</i>	132.27	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	176.36	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,998.03	51.42
		<i>For Solid Pickets, Add</i>	438.53	
		<i>For Aluminum With Satin Finish, Add</i>	533.23	
		<i>For Third Rail, Add</i>	138.82	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	185.10	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,144.66	57.86
		<i>For Solid Pickets, Add</i>	470.15	
		<i>For Aluminum With Satin Finish, Add</i>	569.01	
		<i>For Third Rail, Add</i>	148.45	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	197.94	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,273.47	64.21
		<i>For Solid Pickets, Add</i>	497.76	
		<i>For Aluminum With Satin Finish, Add</i>	599.44	
		<i>For Third Rail, Add</i>	156.74	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	208.99	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,588.10	71.44
		<i>For Solid Pickets, Add</i>	567.03	
		<i>For Aluminum With Satin Finish, Add</i>	684.65	
		<i>For Third Rail, Add</i>	178.81	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	238.41	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,870.99	79.24
		<i>For Solid Pickets, Add</i>	628.99	
		<i>For Aluminum With Satin Finish, Add</i>	759.37	
		<i>For Third Rail, Add</i>	198.34	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	264.45	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,123.93	87.93
		<i>For Solid Pickets, Add</i>	684.05	
		<i>For Aluminum With Satin Finish, Add</i>	824.14	
		<i>For Third Rail, Add</i>	215.46	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	287.27	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,351.55	97.68
		<i>For Solid Pickets, Add</i>	733.17	
		<i>For Aluminum With Satin Finish, Add</i>	879.87	
		<i>For Third Rail, Add</i>	230.43	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	307.25	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,553.88	108.62
		<i>For Solid Pickets, Add</i>	776.36	
		<i>For Aluminum With Satin Finish, Add</i>	926.56	
		<i>For Third Rail, Add</i>	243.27	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	324.36	
32 31 19 00-0106		6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	943.56	24.98
		<i>For Solid Pickets, Add</i>	206.67	
		<i>For Aluminum With Satin Finish, Add</i>	249.26	
		<i>For Third Rail, Add</i>	65.13	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	86.84	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	992.05	26.35
		<i>For Solid Pickets, Add</i>	217.28	
		<i>For Aluminum With Satin Finish, Add</i>	262.04	
		<i>For Third Rail, Add</i>	68.48	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.30	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,041.23	27.81
		<i>For Solid Pickets, Add</i>	228.00	
		<i>For Aluminum With Satin Finish, Add</i>	274.73	
		<i>For Third Rail, Add</i>	71.82	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.76	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,101.67	29.57
		<i>For Solid Pickets, Add</i>	241.22	
		<i>For Aluminum With Satin Finish, Add</i>	290.54	
		<i>For Third Rail, Add</i>	75.96	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	101.29	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,236.11	35.72
		<i>For Solid Pickets, Add</i>	270.07	
		<i>For Aluminum With Satin Finish, Add</i>	322.53	
		<i>For Third Rail, Add</i>	84.66	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	112.88	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,379.47	41.96
		<i>For Solid Pickets, Add</i>	300.94	
		<i>For Aluminum With Satin Finish, Add</i>	357.20	
		<i>For Third Rail, Add</i>	94.02	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	125.36	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,539.69	47.82
		<i>For Solid Pickets, Add</i>	335.67	
		<i>For Aluminum With Satin Finish, Add</i>	397.36	
		<i>For Third Rail, Add</i>	104.72	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	139.63	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,693.77	53.96
		<i>For Solid Pickets, Add</i>	368.95	
		<i>For Aluminum With Satin Finish, Add</i>	435.23	
		<i>For Third Rail, Add</i>	114.88	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	153.18	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,881.70	60.11
		<i>For Solid Pickets, Add</i>	409.84	
		<i>For Aluminum With Satin Finish, Add</i>	483.27	
		<i>For Third Rail, Add</i>	127.59	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	170.12	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,854.92	41.38
		<i>For Solid Pickets, Add</i>	408.50	
		<i>For Aluminum With Satin Finish, Add</i>	503.34	
		<i>For Third Rail, Add</i>	130.26	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	173.68	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,964.47	48.50
		<i>For Solid Pickets, Add</i>	431.62	
		<i>For Aluminum With Satin Finish, Add</i>	527.03	
		<i>For Third Rail, Add</i>	136.95	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	182.60	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,072.95	55.23
		<i>For Solid Pickets, Add</i>	454.58	
		<i>For Aluminum With Satin Finish, Add</i>	550.88	
		<i>For Third Rail, Add</i>	143.64	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	191.52	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,203.91	62.36
		<i>For Solid Pickets, Add</i>	482.52	
		<i>For Aluminum With Satin Finish, Add</i>	580.99	
		<i>For Third Rail, Add</i>	151.93	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	202.57	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,409.76	69.48
		<i>For Solid Pickets, Add</i>	527.30	
		<i>For Aluminum With Satin Finish, Add</i>	633.56	
		<i>For Third Rail, Add</i>	165.84	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	221.12	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,826.40	77.39
		<i>For Solid Pickets, Add</i>	619.35	
		<i>For Aluminum With Satin Finish, Add</i>	748.41	
		<i>For Third Rail, Add</i>	195.39	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	260.53	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,959.14	86.46
		<i>For Solid Pickets, Add</i>	647.29	
		<i>For Aluminum With Satin Finish, Add</i>	776.64	
		<i>For Third Rail, Add</i>	203.42	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	271.23	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,249.19	96.22
		<i>For Solid Pickets, Add</i>	710.46	
		<i>For Aluminum With Satin Finish, Add</i>	851.09	
		<i>For Third Rail, Add</i>	223.08	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	297.44	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0124 EA 18' Wide x 6' High Steel Tube Double Swing Gate	3,515.70	107.05
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	768.09	
For Aluminum With Satin Finish, Add	917.04	
For Third Rail, Add	240.73	
For 1" Square x 14 Gauge Pickets, Add	320.98	
32 31 19 00-0125 EA 20' Wide x 6' High Steel Tube Double Swing Gate	3,763.32	119.45
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	821.15	
For Aluminum With Satin Finish, Add	975.38	
For Third Rail, Add	256.65	
For 1" Square x 14 Gauge Pickets, Add	342.20	
32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0127 EA 3' Wide x 7' High Steel Tube Single Swing Gate	999.64	27.03
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	218.82	
For Aluminum With Satin Finish, Add	263.31	
For Third Rail, Add	68.88	
For 1" Square x 14 Gauge Pickets, Add	91.84	
32 31 19 00-0128 EA 3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,050.29	28.49
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	229.90	
For Aluminum With Satin Finish, Add	276.58	
For Third Rail, Add	72.35	
For 1" Square x 14 Gauge Pickets, Add	96.47	
32 31 19 00-0129 EA 4' Wide x 7' High Steel Tube Single Swing Gate	1,101.15	29.96
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	241.00	
For Aluminum With Satin Finish, Add	289.81	
For Third Rail, Add	75.83	
For 1" Square x 14 Gauge Pickets, Add	101.11	
32 31 19 00-0130 EA 5' Wide x 7' High Steel Tube Single Swing Gate	1,152.10	31.53
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	252.12	
For Aluminum With Satin Finish, Add	303.03	
For Third Rail, Add	79.31	
For 1" Square x 14 Gauge Pickets, Add	105.74	
32 31 19 00-0131 EA 6' Wide x 7' High Steel Tube Single Swing Gate	1,333.08	38.35
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	291.31	
For Aluminum With Satin Finish, Add	348.11	
For Third Rail, Add	91.34	
For 1" Square x 14 Gauge Pickets, Add	121.79	
32 31 19 00-0132 EA 7' Wide x 7' High Steel Tube Single Swing Gate	1,498.81	44.89
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	327.13	
For Aluminum With Satin Finish, Add	389.05	
For Third Rail, Add	102.31	
For 1" Square x 14 Gauge Pickets, Add	136.42	
32 31 19 00-0133 EA 8' Wide x 7' High Steel Tube Single Swing Gate	1,619.17	51.62
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	352.68	
For Aluminum With Satin Finish, Add	415.93	
For Third Rail, Add	109.80	
For 1" Square x 14 Gauge Pickets, Add	146.40	
32 31 19 00-0134 EA 9' Wide x 7' High Steel Tube Single Swing Gate	1,756.38	58.16
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	382.08	
For Aluminum With Satin Finish, Add	448.31	
For Third Rail, Add	118.63	
For 1" Square x 14 Gauge Pickets, Add	158.17	
32 31 19 00-0135 EA 10' Wide x 7' High Steel Tube Single Swing Gate	1,924.88	65.00
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	418.46	
For Aluminum With Satin Finish, Add	489.63	
For Third Rail, Add	129.73	
For 1" Square x 14 Gauge Pickets, Add	172.97	
32 31 19 00-0136 EA 6' Wide x 7' High Steel Tube Double Swing Gate	1,963.37	44.30
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	432.26	
For Aluminum With Satin Finish, Add	532.01	
For Third Rail, Add	137.75	
For 1" Square x 14 Gauge Pickets, Add	183.67	
32 31 19 00-0137 EA 7' Wide x 7' High Steel Tube Double Swing Gate	2,077.55	51.82
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	456.34	
For Aluminum With Satin Finish, Add	556.61	
For Third Rail, Add	144.71	
For 1" Square x 14 Gauge Pickets, Add	192.94	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0138	EA		8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,192.83 480.59 581.04 151.66 202.22	59.73
32 31 19 00-0139	EA		9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,308.81 505.07 606.18 158.75 211.67	67.23
32 31 19 00-0140	EA		10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,600.62 569.04 683.57 178.94 238.59	75.14
32 31 19 00-0141	EA		12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,144.21 689.49 835.54 217.86 290.48	83.83
32 31 19 00-0142	EA		14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,109.01 679.40 811.94 213.05 284.06	93.98
32 31 19 00-0143	EA		16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,368.39 735.43 875.74 230.17 306.89	104.81
32 31 19 00-0144	EA		18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,678.42 802.53 952.81 250.76 334.35	117.20
32 31 19 00-0145	EA		20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,882.91 845.64 996.77 263.20 350.93	130.77
32 31 19 00-0146			8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0147	EA		3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,086.42 237.86 286.40 74.89 99.86	29.28
32 31 19 00-0148	EA		3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,139.44 249.42 300.12 78.51 104.67	30.84
32 31 19 00-0149	EA		4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,196.04 261.79 314.90 82.38 109.85	32.50
32 31 19 00-0150	EA		5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,246.49 272.30 324.98 85.33 113.77	36.21
32 31 19 00-0151	EA		6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,474.63 322.57 387.06 101.38 135.17	40.99

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,640.87	49.37
		<i>For Solid Pickets, Add</i>	358.07	
		<i>For Aluminum With Satin Finish, Add</i>	425.51	
		<i>For Third Rail, Add</i>	111.94	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.25	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,713.41	57.48
		<i>For Solid Pickets, Add</i>	372.56	
		<i>For Aluminum With Satin Finish, Add</i>	436.29	
		<i>For Third Rail, Add</i>	115.55	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	154.07	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,836.87	65.97
		<i>For Solid Pickets, Add</i>	398.44	
		<i>For Aluminum With Satin Finish, Add</i>	461.91	
		<i>For Third Rail, Add</i>	122.91	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.88	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,944.25	74.46
		<i>For Solid Pickets, Add</i>	420.70	
		<i>For Aluminum With Satin Finish, Add</i>	482.72	
		<i>For Third Rail, Add</i>	129.06	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.08	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,134.23	47.33
		<i>For Solid Pickets, Add</i>	470.06	
		<i>For Aluminum With Satin Finish, Add</i>	579.40	
		<i>For Third Rail, Add</i>	149.92	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.90	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,262.00	57.09
		<i>For Solid Pickets, Add</i>	496.71	
		<i>For Aluminum With Satin Finish, Add</i>	605.17	
		<i>For Third Rail, Add</i>	157.41	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.88	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,386.90	66.46
		<i>For Solid Pickets, Add</i>	522.80	
		<i>For Aluminum With Satin Finish, Add</i>	630.57	
		<i>For Third Rail, Add</i>	164.77	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	219.69	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,491.50	76.31
		<i>For Solid Pickets, Add</i>	544.24	
		<i>For Aluminum With Satin Finish, Add</i>	649.39	
		<i>For Third Rail, Add</i>	170.52	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	227.36	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,895.67	86.08
		<i>For Solid Pickets, Add</i>	633.09	
		<i>For Aluminum With Satin Finish, Add</i>	758.08	
		<i>For Third Rail, Add</i>	198.74	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	264.98	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,609.75	96.91
		<i>For Solid Pickets, Add</i>	791.42	
		<i>For Aluminum With Satin Finish, Add</i>	958.30	
		<i>For Third Rail, Add</i>	249.96	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	333.28	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,299.24	109.30
		<i>For Solid Pickets, Add</i>	718.90	
		<i>For Aluminum With Satin Finish, Add</i>	849.20	
		<i>For Third Rail, Add</i>	224.01	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	298.69	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,532.62	123.64
		<i>For Solid Pickets, Add</i>	768.35	
		<i>For Aluminum With Satin Finish, Add</i>	900.86	
		<i>For Third Rail, Add</i>	238.46	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	317.95	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,893.33	139.35
		<i>For Solid Pickets, Add</i>	846.13	
		<i>For Aluminum With Satin Finish, Add</i>	988.78	
		<i>For Third Rail, Add</i>	262.13	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	349.51	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,972.31	157.02
		<i>For Solid Pickets, Add</i>	860.12	
		<i>For Aluminum With Satin Finish, Add</i>	989.77	
		<i>For Third Rail, Add</i>	264.27	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	352.36	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0166 Replace Steel Tube Fence Pickets <small>(32 31 19 00-0032)</small>		
32 31 19 00-0167 LF Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket <i>For 1" Square x 14 Gauge Pickets, Add</i>	28.16	0.86
32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences <small>(32 31 19)</small>		
Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	43.92	
32 31 19 00-0170 LF Removal And Reinstallation Of Ornamental Fence, 6' Height	48.31	
32 31 19 00-0171 LF Removal And Reinstallation Of Ornamental Fence, 7' Height	52.70	
32 31 19 00-0172 LF Removal And Reinstallation Of Ornamental Fence, 8' Height	57.09	
32 31 19 00-0173 LF Removal And Reinstallation Of Ornamental Fence, 9' Height	61.48	
32 31 19 00-0174 LF Removal And Reinstallation Of Ornamental Fence, 10' Height	65.87	
32 31 19 00-0175 LF Removal And Reinstallation Of Ornamental Fence 12' Height	73.19	
32 31 23 Plastic Fences and Gates <small>(32 31)</small>		
32 31 23 00-0001 Vinyl Fence <small>(32 31 23)</small>		
32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence <small>(32 31 23 00-0001)</small>		
Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003 LF 3' High Privacy Tongue And Groove Vinyl Fence	58.11	6.35
32 31 23 00-0004 LF 4' High Privacy Tongue And Groove Vinyl Fence	65.15	7.63
32 31 23 00-0005 LF 5' High Privacy Tongue And Groove Vinyl Fence	72.78	8.89
32 31 23 00-0006 LF 6' High Privacy Tongue And Groove Vinyl Fence	80.24	10.16
32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence <small>(32 31 23 00-0001)</small>		
Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008 LF 5' High Semi-Privacy 6" Picket Vinyl Fence.....	77.89	8.89
32 31 23 00-0009 LF 6' High Semi-Privacy 6" Picket Vinyl Fence.....	85.41	10.16
32 31 23 00-0010 Picket Straight Top Vinyl Fence <small>(32 31 23 00-0001)</small>		
Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011 LF 3' High Picket Straight Top Vinyl Fence.....	53.59	6.35
32 31 23 00-0012 LF 4' High Picket Straight Top Vinyl Fence.....	60.87	7.63
32 31 23 00-0013 LF 5' High Picket Straight Top Vinyl Fence.....	69.79	8.89
32 31 23 00-0014 LF 6' High Picket Straight Top Vinyl Fence.....	77.31	10.16
32 31 23 00-0015 Picket Scalloped Top Vinyl Fence <small>(32 31 23 00-0001)</small>		
Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016 LF 3' High Picket Scalloped Top Vinyl Fence	59.39	6.35
32 31 23 00-0017 LF 4' High Picket Scalloped Top Vinyl Fence	66.85	7.63
32 31 23 00-0018 LF 5' High Picket Scalloped Top Vinyl Fence	75.38	8.89
32 31 23 00-0019 LF 6' High Picket Scalloped Top Vinyl Fence	83.08	10.16
32 31 23 00-0020 Post And Rail Vinyl Fence, Ranch Style <small>(32 31 23 00-0001)</small>		
Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021 LF 5' High, 2 Rail, Post And Rail Vinyl Fence	21.88	6.35
32 31 23 00-0022 LF 6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	28.06	7.63
32 31 23 00-0023 LF 7' High, 4 Rail, Post And Rail Vinyl Fence	32.29	8.26
32 31 23 00-0024 Post, Rails And Pickets (Traditional Style) Vinyl Fence <small>(32 31 23 00-0001)</small>		
Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025 LF 3' High Rail And Picket Vinyl Fence, 72" On Center Posts	69.53	6.98
32 31 23 00-0026 LF 4' High Rail And Picket Vinyl Fence, 72" On Center Posts	75.98	8.26
32 31 23 00-0027 LF 3' High Rail And Picket Vinyl Fence, 96" On Center Posts	65.58	6.35
32 31 23 00-0028 LF 4' High Rail And Picket Vinyl Fence, 96" On Center Posts	71.36	7.63
32 31 23 00-0029 Vinyl Gates <small>(32 31 23)</small>		
32 31 23 00-0030 Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0029)</small>		
Note: Includes hinges.		
32 31 23 00-0031 3' High Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0030)</small>		
32 31 23 00-0032 EA 3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	642.56	63.51
	14.50	
	38.50	
32 31 23 00-0033 EA 3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	681.78	66.69
	14.50	
	38.50	
32 31 23 00-0034 EA 3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	747.90	69.87
	14.50	
	38.50	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0035 EA 3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	837.94	73.04
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0036 4' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0037 EA 4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	681.78	66.69
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0038 EA 4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	706.06	69.87
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0039 EA 4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	784.14	73.04
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0040 EA 4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	918.99	76.22
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0041 5' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0042 EA 5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	706.06	69.87
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0043 EA 5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	736.33	73.04
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0044 EA 5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	844.28	76.22
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0045 EA 5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	985.11	79.40
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0047 EA 6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	742.67	76.22
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0048 EA 6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	772.93	79.40
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0049 EA 6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	931.70	82.57
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0050 EA 6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	1,027.71	82.57
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0051 Gates For Picket Fences (32 31 23 00-0029)		
Note: Includes hinges.		
32 31 23 00-0052 3' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0053 EA 3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	615.66	63.51
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0054 EA 3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	639.94	66.69
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0055 EA 3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	718.01	69.87
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0056 EA 3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	852.88	73.04
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0057 4' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0058 EA 4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	622.01	66.69
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059 EA 4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	646.29	69.87
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060 EA 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	724.37	73.04
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061 EA 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	859.22	76.22
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0062 5' High Gates For Picket Fences (32 31 23 00-0051)		



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0063 EA 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	646.29 14.50 38.50	69.87
32 31 23 00-0064 EA 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	676.56 14.50 38.50	73.04
32 31 23 00-0065 EA 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	784.51 14.50 38.50	76.22
32 31 23 00-0066 EA 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	925.34 14.50 38.50	79.40
32 31 23 00-0067 6' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0068 EA 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	682.90 14.50 38.50	76.22
32 31 23 00-0069 EA 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	713.16 14.50 38.50	79.40
32 31 23 00-0070 EA 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	871.93 14.50 38.50	82.57
32 31 23 00-0071 EA 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	967.94 14.50 38.50	85.75
32 31 23 00-0072 Gates Accessories (32 31 23 00-0029)		
32 31 23 00-0073 EA Gate Stop/Drop Rod	139.34	
32 31 23 00-0074 EA Latch Set	96.00	
32 31 23 00-0075 EA Stainless Steel Latch Set.....	139.34	
32 31 26 Wire Fences and Gates (32 31)		
32 31 26 13 Wire Fences with Steel Posts (32 31 26)		
32 31 26 13-0001 Chicken Wire (32 31 26 13) Note: Posts at 4'.		
32 31 26 13-0002 LF 4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.24	1.70
32 31 26 13-0003 LF 6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.95	1.70
32 31 26 13-0004 Wire And Screen (32 31 26 13)		
32 31 26 13-0005 Wire And Screen For Partitions And Fences (32 31 26 13-0004) Note: Excludes framing and post.		
32 31 26 13-0006 Screen Wire (32 31 26 13-0005)		
32 31 26 13-0007 LF Screen Wire, 48" Wide Rolls.....	14.74	1.28
32 31 26 13-0008 Hog Wire (32 31 26 13-0005)		
32 31 26 13-0009 SF 4" x 4" Hog Wire For Fencing	2.60	1.02
32 31 26 13-0010 SF 6" x 6" Hog Wire For Fencing	2.72	1.15
32 31 26 13-0011 Non-Climb Horse Fence (32 31 26 13-0005)		
32 31 26 13-0012 LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence	11.72	4.09
32 31 26 13-0013 LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence	15.01	5.11
32 31 26 13-0014 LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence	18.83	6.14
32 31 26 13-0015 Screen For Partitions And Ceilings (32 31 26 13-0004) Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016 SF 1" Mesh Chicken Wire	2.46	0.72
32 31 26 13-0017 Wicket Fence (32 31 26 13)		
32 31 26 13-0018 LF Steel Wicket Fence, Painted.....	83.56	5.44
32 31 29 Wood Fences and Gates (32 31) See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001 Basket Weave (32 31 29) Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post..... <i>For Fastening With Screws Instead Of Nails, Add</i>	41.64 2.44	3.39
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post..... <i>For Fastening With Screws Instead Of Nails, Add</i>	27.36 1.75	3.39

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0004 Board Fence <small>(32 31 29)</small> Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005 LF Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence.....	26.74	3.39
For 1" x 6" Boards, Deduct	-2.79	
For 1" x 3" Boards (Stockade Top), Add	3.46	
For Fastening With Screws Instead Of Nails, Add	1.73	
32 31 29 00-0006 LF Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence.....	29.78	3.39
For 1" x 6" Boards, Deduct	-3.04	
For 1" x 3" Boards (Stockade Top), Add	3.75	
For Fastening With Screws Instead Of Nails, Add	1.91	
32 31 29 00-0007 LF Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence.....	33.30	3.39
For 1" x 6" Boards, Deduct	-3.25	
For 1" x 3" Boards (Stockade Top), Add	3.96	
For Fastening With Screws Instead Of Nails, Add	2.10	
32 31 29 00-0008 LF Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence.....	35.57	3.39
For 1" x 6" Boards, Deduct	-3.42	
For 1" x 3" Boards (Stockade Top), Add	4.15	
For Fastening With Screws Instead Of Nails, Add	2.23	
32 31 29 00-0009 LF Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence.....	38.03	3.39
For 1" x 6" Boards, Deduct	-3.59	
For 1" x 3" Boards (Stockade Top), Add	4.34	
For Fastening With Screws Instead Of Nails, Add	2.37	
32 31 29 00-0010 LF Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence.....	28.61	3.39
For 1" x 6" Boards, Deduct	-2.86	
For 1" x 3" Boards (Stockade Top), Add	3.51	
For Fastening With Screws Instead Of Nails, Add	1.82	
32 31 29 00-0011 LF Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence.....	31.22	3.39
For 1" x 6" Boards, Deduct	-3.09	
For 1" x 3" Boards (Stockade Top), Add	3.79	
For Fastening With Screws Instead Of Nails, Add	1.98	
32 31 29 00-0012 LF Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence.....	33.30	3.39
For 1" x 6" Boards, Deduct	-3.25	
For 1" x 3" Boards (Stockade Top), Add	3.96	
For Fastening With Screws Instead Of Nails, Add	2.10	
32 31 29 00-0013 LF Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence.....	35.57	3.39
For 1" x 6" Boards, Deduct	-3.42	
For 1" x 3" Boards (Stockade Top), Add	4.15	
For Fastening With Screws Instead Of Nails, Add	2.23	
32 31 29 00-0014 LF Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence.....	38.03	3.39
For 1" x 6" Boards, Deduct	-3.59	
For 1" x 3" Boards (Stockade Top), Add	4.34	
For Fastening With Screws Instead Of Nails, Add	2.37	
32 31 29 00-0015 LF Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence.....	28.62	3.39
For 1" x 6" Boards, Deduct	-2.86	
For 1" x 3" Boards (Stockade Top), Add	3.51	
For Fastening With Screws Instead Of Nails, Add	1.82	
32 31 29 00-0016 LF Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence.....	37.63	3.39
For 1" x 6" Boards, Deduct	-3.35	
For 1" x 3" Boards (Stockade Top), Add	3.98	
For Fastening With Screws Instead Of Nails, Add	2.30	
32 31 29 00-0017 LF Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence.....	39.44	3.39
For 1" x 6" Boards, Deduct	-3.49	
For 1" x 3" Boards (Stockade Top), Add	4.15	
For Fastening With Screws Instead Of Nails, Add	2.41	
32 31 29 00-0018 LF Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence.....	42.44	3.39
For 1" x 6" Boards, Deduct	-3.69	
For 1" x 3" Boards (Stockade Top), Add	4.36	
For Fastening With Screws Instead Of Nails, Add	2.58	
32 31 29 00-0019 LF Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence.....	45.68	3.39
For 1" x 6" Boards, Deduct	-3.90	
For 1" x 3" Boards (Stockade Top), Add	4.57	
For Fastening With Screws Instead Of Nails, Add	2.75	
32 31 29 00-0020 Shadow Box <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine.....	57.94	3.39
For Fastening With Screws Instead Of Nails, Add	3.25	
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar.....	72.84	3.39
For Fastening With Screws Instead Of Nails, Add	4.06	
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar.....	79.39	3.39
For Fastening With Screws Instead Of Nails, Add	4.41	
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar.....	85.30	3.39
For Fastening With Screws Instead Of Nails, Add	4.73	
32 31 29 00-0025 Open Rail Fence <small>(32 31 29)</small>		
32 31 29 00-0026 Post And Rail Fence, Ranch Style <small>(32 31 29 00-0025)</small>		
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	26.80	3.39
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	20.84	3.39
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	31.80	3.39
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	22.53	3.39



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 31 29 00-0031	Split Rail Fence <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032	LF Split Rail Fence, 2 Rails, 3' High #1 Cedar	25.27	3.39
32 31 29 00-0033	LF Split Rail Fence, 2 Rails, 3' High #2 Cedar	20.78	3.39
32 31 29 00-0034	LF Split Rail Fence, 3 Rail, 4' High #1 Cedar	28.88	3.39
32 31 29 00-0035	LF Split Rail Fence, 3 Rail, 4' High #2 Cedar	23.39	3.39

32 31 29 00-0036	Picket Fence <small>(32 31 29)</small>		
32 31 29 00-0037	LF Picket Fence, 2 Rail, 3' High, Pressure Treated <i>For Fastening With Screws Instead Of Nails, Add</i>	30.63 1.94	3.39
32 31 29 00-0038	LF Picket Fence, 2 Rail, 3' High #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	28.58 1.83	3.39

32 31 29 00-0039	Wood Fence Post Accessories <small>(32 31 29)</small>		
32 31 29 00-0040	EA 3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	44.49	
32 31 29 00-0041	EA 4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	50.09	
32 31 29 00-0042	EA 6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	54.50	
32 31 29 00-0043	EA 8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	81.30	

32 31 29 00-0044	Wood Gate <small>(32 31 29)</small>		
-------------------------	--	--	--

32 31 29 00-0045	Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0044)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).			
32 31 29 00-0046	EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	446.57	142.03
32 31 29 00-0047	EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	492.88	150.56
32 31 29 00-0048	EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	550.53	164.76
32 31 29 00-0049	EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	622.83	173.28
32 31 29 00-0050	EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	695.12	181.81
32 31 29 00-0051	EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	569.98	187.49
32 31 29 00-0052	EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	619.53	196.01
32 31 29 00-0053	EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	669.07	204.53
32 31 29 00-0054	EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	751.11	213.05
32 31 29 00-0055	EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	816.91	221.58

32 31 29 00-0056	Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0044)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)			
32 31 29 00-0057	EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	650.72	105.98
32 31 29 00-0058	EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	673.18	112.34
32 31 29 00-0059	EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	707.38	122.94
32 31 29 00-0060	EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	746.11	129.29
32 31 29 00-0061	EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	794.57	135.66
32 31 29 00-0062	EA >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	767.30	139.89
32 31 29 00-0063	EA >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	796.27	146.26
32 31 29 00-0064	EA >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	841.49	152.61
32 31 29 00-0065	EA >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	886.70	158.97
32 31 29 00-0066	EA >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	931.93	165.33

32 31 29 00-0067	Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0044)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)			
32 31 29 00-0068	EA 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	699.48	105.98
32 31 29 00-0069	EA 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	728.44	112.34
32 31 29 00-0070	EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	765.89	122.94
32 31 29 00-0071	EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	811.11	129.29
32 31 29 00-0072	EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	856.32	135.66
32 31 29 00-0073	EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	832.30	139.89
32 31 29 00-0074	EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	861.27	146.26
32 31 29 00-0075	EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	906.49	152.61
32 31 29 00-0076	EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	951.70	158.97
32 31 29 00-0077	EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,013.18	165.33

32 31 29 00-0078	Pressure Treated Wood Fence Posts <small>(32 31 29)</small>		
See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0665 for barbed wire, 32 31 56 00-0017 for barbed wire.			
32 31 29 00-0079	EA 4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	42.61	14.21
32 31 29 00-0080	EA 6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	47.75	14.21
32 31 29 00-0081	EA 4' High, Pressure Treated Wood Fence Posts, Set In Concrete	75.34	27.27
32 31 29 00-0082	EA 6' High, Pressure Treated Wood Fence Posts, Set In Concrete	81.19	27.27

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 29 00-0083		Wood Utility Pole Fence <small>(32 31 29)</small>			
		Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.			
32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence.....	52.23		3.39
		Note: Includes notching post, drilling and pinned with #5 rebar.			
32 31 29 00-0085		Wood Rail Fence <small>(32 31 29)</small>			
		Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill			
32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post.....	26.91		3.39
32 31 34		Tubular Barrier Gates <small>(32 31)</small>			
32 31 34 00-0001		Tube Gate <small>(32 31 34)</small>			
		See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0642 for gate accessories.			
32 31 34 00-0002		50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate <small>(32 31 34 00-0001)</small>			
		Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.			
32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	201.39		26.35
		For 13 Gauge Tubing, Add	32.47		
		For Galvanized Finish, Add	18.50		
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	261.76		34.16
		For 13 Gauge Tubing, Add	42.11		
		For Galvanized Finish, Add	23.89		
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	353.20		43.92
		For 13 Gauge Tubing, Add	57.47		
		For Galvanized Finish, Add	33.22		
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	407.33		54.64
		For 13 Gauge Tubing, Add	64.88		
		For Galvanized Finish, Add	36.21		
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	483.23		65.00
		For 13 Gauge Tubing, Add	77.13		
		For Galvanized Finish, Add	43.21		
32 31 34 00-0008	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	527.60		73.19
		For 13 Gauge Tubing, Add	83.56		
		For Galvanized Finish, Add	46.20		
32 31 34 00-0009	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	619.48		84.41
		For 13 Gauge Tubing, Add	98.52		
		For Galvanized Finish, Add	54.86		
32 31 34 00-0010		33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <small>(32 31 34 00-0001)</small>			
		Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.			
32 31 34 00-0011	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	263.20		26.35
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	74.05		
32 31 34 00-0012	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	314.93		34.16
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	84.98		
32 31 34 00-0013	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	376.34		43.92
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	97.84		
32 31 34 00-0014	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	433.68		54.64
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	107.11		
32 31 34 00-0015	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	491.86		65.00
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	118.67		
32 31 34 00-0016	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	544.88		73.19
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	130.12		
32 31 34 00-0017	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	608.66		84.41
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	141.97		
32 31 34 00-0018	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	699.34		95.01
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	164.58		
32 31 34 00-0019	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	779.10		106.28
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	194.54		
32 31 34 00-0020		33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <small>(32 31 34 00-0001)</small>			
		Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.			
32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	284.88		26.35
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	82.72		
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	336.25		34.16
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	93.51		
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	390.79		43.92
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	103.62		
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	454.77		54.64
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	115.55		
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	507.10		65.00
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	124.77		



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0026 EA 14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	580.47 144.36	73.19
32 31 34 00-0027 EA 16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	647.30 157.43	84.41
32 31 34 00-0028 EA 18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	758.30 188.17	95.01
32 31 34 00-0029 EA 20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	832.12 215.74	106.28
32 31 34 00-0030 Tubular Steel Barrier Gate (Triangular Shape) <small>(32 31 34 00-0001)</small> Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,243.19 742.42	54.64
32 31 34 00-0032 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,432.55 796.05	65.00
32 31 34 00-0033 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,882.82 956.64	73.19
32 31 34 00-0034 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,328.66 776.30	54.64
32 31 34 00-0035 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,530.24 834.76	65.00
32 31 34 00-0036 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,980.49 995.34	73.19
32 31 34 00-0037 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing <small>(32 31 34 00-0001)</small> Note: Excludes augering holes and concrete.		
32 31 34 00-0038 EA 4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	451.70 40.15	26.35
32 31 34 00-0039 Tubular Horse Gate <small>(32 31 34 00-0001)</small> Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 34 00-0040 EA 5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	4,006.92 1,231.94	26.35
32 31 34 00-0041 Pipe Gate <small>(32 31 34)</small> Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0042 EA 20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,066.06	
32 31 34 00-0043 EA 25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,088.30	
32 31 34 00-0044 EA 30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,065.71	
32 31 41 Precast Concrete Fences <small>(32 31)</small>		
32 31 41 00-0001 Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. <small>(32 31 41)</small> Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002 LF Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.	68.53	3.39
32 31 56 Wild Life Deterrent Fence <small>(32 31)</small>		
32 31 56 00-0001 Barbed Wire Fences <small>(32 31 56)</small> Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002 Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003 Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004 EA Barbed Wire Fence Post, Galvanized Set In Concrete In Soil <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	101.99 164.79	7.81
32 31 56 00-0005 EA Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	138.12 225.13	7.81
32 31 56 00-0006 Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007 EA Barbed Wire Fence Post, Galvanized Grouted In Rock <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	100.28 162.23	7.81
32 31 56 00-0008 EA Barbed Wire Fence Post, Vinyl Coated Grouted In Rock <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	136.41 222.57	7.81
32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish <small>(32 31 56 00-0001)</small> Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010 EA 5' Studded Steel T-Post, Driven Into Earth	25.37	
32 31 56 00-0011 EA 5'-6" Studded Steel T-Post, Driven Into Earth	25.99	
32 31 56 00-0012 EA 6' Studded Steel T-Post, Driven Into Earth	27.21	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0013 EA 6'-6" Studded Steel T-Post, Driven Into Earth.....	28.43	
32 31 56 00-0014 EA 7' Studded Steel T-Post, Driven Into Earth	30.07	
32 31 56 00-0015 EA 8' Studded Steel T-Post, Driven Into Earth	33.97	
32 31 56 00-0016 EA 10' Studded Steel T-Post, Driven Into Earth	41.68	
32 31 56 00-0017 Barbed Wire (32 31 56 00-0001) Note: Per strand.		
32 31 56 00-0018 LF Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.87	0.39
32 31 56 00-0019 LF Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.01	0.39
32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts (32 31 56 00-0001) Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021 LF 4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	11.66	2.54
Note: Posts at 10' maximum.		
32 32 Retaining Walls (32 30)		
32 32 13 Cast-In-Place Concrete Retaining Wall (32 32)		
Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001 Concrete Retaining Walls (32 32 13) Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0002 LF 4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	407.41	134.62
For >3:1 Sloped Soil At Top, Add	11.75	
32 32 13 00-0003 LF 6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	509.92	165.65
For >3:1 Sloped Soil At Top, Add	15.17	
32 32 13 00-0004 LF 8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	556.86	178.68
For >3:1 Sloped Soil At Top, Add	16.96	
32 32 13 00-0005 LF 10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	714.64	220.94
For >3:1 Sloped Soil At Top, Add	23.19	
32 32 13 00-0006 LF 12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	824.20	253.78
For >3:1 Sloped Soil At Top, Add	26.91	
32 32 13 00-0007 LF 16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,188.37	372.29
For >3:1 Sloped Soil At Top, Add	37.73	
32 32 13 00-0008 LF 20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,629.02	513.98
For >3:1 Sloped Soil At Top, Add	51.08	
32 32 13 00-0009 LF 4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	448.38	147.02
For >3:1 Sloped Soil At Top, Add	13.12	
32 32 13 00-0010 LF 6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	551.08	177.15
For >3:1 Sloped Soil At Top, Add	16.73	
32 32 13 00-0011 LF 8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	585.63	184.84
For >3:1 Sloped Soil At Top, Add	18.36	
32 32 13 00-0012 LF 10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	810.76	247.71
For >3:1 Sloped Soil At Top, Add	26.79	
32 32 13 00-0013 LF 12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,024.83	318.19
For >3:1 Sloped Soil At Top, Add	33.02	
32 32 13 00-0014 LF 16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,532.67	482.31
For >3:1 Sloped Soil At Top, Add	48.29	
32 32 13 00-0015 LF 20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	2,162.93	680.81
For >3:1 Sloped Soil At Top, Add	68.11	
32 32 16 Precast Concrete Retaining Walls (32 32)		
32 32 16 00-0001 Precast Retaining Walls (32 32 16) Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002 SF 10-15' High, Tied-back, Precast Concrete Retaining Walls	96.89	14.36
32 32 16 00-0003 SF 16-20' High, Tied-back, Precast Concrete Retaining Walls	99.40	11.54
32 32 16 00-0004 SF 21-25' High, Tied-back, Precast Concrete Retaining Walls	103.01	9.62
32 32 16 00-0005 SF 26-30' High, Tied-back, Precast Concrete Retaining Walls	111.36	9.62
32 32 16 00-0006 SF >30' High, Tied-back, Precast Concrete Retaining Walls.....	117.76	8.20
32 32 23 Segmental Retaining Walls (32 32)		
32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)		
32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13) Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0003 SF Up To 4' Height "Amastone" Type Modular Retaining Wall System.....	66.99	9.05
For >3:1 Sloped Soil At Top, Add	4.16	
32 32 23 13-0004 SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System	70.67	9.52
For >3:1 Sloped Soil At Top, Add	4.39	



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	73.75 4.49	10.47
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	77.00 4.60	11.43
32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)					
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	69.55 4.37	9.05
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	73.23 4.61	9.52
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	76.31 4.71	10.47
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	79.55 4.82	11.43
32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)					
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	75.66 4.89	9.05
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	79.34 5.13	9.52
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	82.42 5.22	10.47
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	85.66 5.34	11.43
32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)					
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	66.99 4.16 0.25	9.05
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	70.67 4.39 0.25	9.52
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	73.75 4.49 0.25	10.47
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	77.00 4.60 0.25	11.43
32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)					
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	59.24 3.50	9.05
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	65.48 3.95	9.52
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	68.60 4.05	10.47
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	71.36 4.12	11.43
32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)					
Note: Includes removal of existing cap block and installation of new cap block to match.					
32 32 23 13-0028	LF		Removal And Reinstall Retaining Wall Cap Block And Pins <i>For >3:1 Sloped Soil At Top, Add</i>	33.13 1.64	
32 32 26 Metal Crib Retaining Walls (32 32)					
32 32 26 00-0001 Bin Type Retaining Wall (32 32 26)					
32 32 26 00-0002 Vertical Bin Walls (32 32 26 00-0001)					
Note: Excludes excavation and backfill.					
32 32 26 00-0003	SF		5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	74.81	
32 32 26 00-0004	SF		7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	88.70	
32 32 26 00-0005	SF		9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	103.35	
32 32 26 00-0006	SF		12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	111.69	
32 32 26 00-0007	SF		14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	124.74	
32 32 26 00-0008	SF		16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	133.08	
32 32 26 00-0009 Battered Bin Walls (32 32 26 00-0001)					
Note: Excludes excavation and backfill.					
32 32 26 00-0010	SF		5.5' Battered Bin Retain Wall, Wall Heights To 11'	66.45	
32 32 26 00-0011	SF		7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	72.00	
32 32 26 00-0012	SF		9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	81.00	
32 32 26 00-0013	SF		12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	90.72	
32 32 26 00-0014	SF		14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	106.20	
32 32 26 00-0015	SF		16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	108.97	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0016		Aluminized Steel Bin <small>(32 32 26)</small> Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin.....	50.24	5.09
		For >3:1 Sloped Soil At Top, Add	3.41	
		For Galvanized Type, Deduct	-4.01	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin.....	56.43	5.09
		For >3:1 Sloped Soil At Top, Add	3.92	
		For Galvanized Type, Deduct	-4.62	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin.....	60.24	5.57
		For >3:1 Sloped Soil At Top, Add	4.18	
		For Galvanized Type, Deduct	-4.92	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin.....	68.64	6.27
		For >3:1 Sloped Soil At Top, Add	4.77	
		For Galvanized Type, Deduct	-5.61	
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin.....	65.97	6.51
		For >3:1 Sloped Soil At Top, Add	4.51	
		For Galvanized Type, Deduct	-5.31	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin.....	73.72	6.63
		For >3:1 Sloped Soil At Top, Add	5.15	
		For Galvanized Type, Deduct	-6.06	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin.....	81.85	6.98
		For >3:1 Sloped Soil At Top, Add	5.76	
		For Galvanized Type, Deduct	-6.78	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin.....	83.78	7.34
		For >3:1 Sloped Soil At Top, Add	5.88	
		For Galvanized Type, Deduct	-6.92	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin.....	88.24	7.34
		For >3:1 Sloped Soil At Top, Add	6.25	
		For Galvanized Type, Deduct	-7.36	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin.....	92.67	7.46
		For >3:1 Sloped Soil At Top, Add	6.62	
		For Galvanized Type, Deduct	-7.79	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin.....	95.81	7.57
		For >3:1 Sloped Soil At Top, Add	6.86	
		For Galvanized Type, Deduct	-8.08	
32 32 29		Timber Retaining Walls <small>(32 32)</small>		
32 32 29 00-0001		Wood Post Retaining Walls <small>(32 32 29)</small> Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls.....	89.30	31.21
		For >3:1 Sloped Soil At Top, Add	2.29	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls.....	174.75	61.11
		For >3:1 Sloped Soil At Top, Add	4.47	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls.....	85.86	31.21
		For >3:1 Sloped Soil At Top, Add	2.00	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls.....	168.06	61.11
		For >3:1 Sloped Soil At Top, Add	3.90	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	87.72	27.27
		For >3:1 Sloped Soil At Top, Add	2.81	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	171.74	53.34
		For >3:1 Sloped Soil At Top, Add	5.52	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls.....	71.20	24.20
		For >3:1 Sloped Soil At Top, Add	1.93	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	128.73	43.81
		For >3:1 Sloped Soil At Top, Add	3.50	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls.....	236.04	74.04
		For >3:1 Sloped Soil At Top, Add	7.48	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls.....	466.09	145.12
		For >3:1 Sloped Soil At Top, Add	14.96	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls.....	232.21	74.04
		For >3:1 Sloped Soil At Top, Add	7.15	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls.....	456.53	145.12
		For >3:1 Sloped Soil At Top, Add	14.14	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	225.75	60.13
		For >3:1 Sloped Soil At Top, Add	8.96	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	448.42	118.72
		For >3:1 Sloped Soil At Top, Add	17.93	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	162.25	48.08
		For >3:1 Sloped Soil At Top, Add	5.61	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	319.16	94.08
		For >3:1 Sloped Soil At Top, Add	11.14	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls.....	583.00	160.45
		For >3:1 Sloped Soil At Top, Add	22.27	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls.....	1,090.58	299.54
		For >3:1 Sloped Soil At Top, Add	41.78	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls.....	563.88	160.45
		For >3:1 Sloped Soil At Top, Add	20.65	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls.....	1,054.24	299.54
		For >3:1 Sloped Soil At Top, Add	38.69	



Exterior Improvements	32
Site Improvements	32 30
Retaining Walls	32 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0022 LF 8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	620.36 21.26	185.10
32 32 29 00-0023 LF 8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	1,157.28 39.61	345.66
32 32 29 00-0024 LF 8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	457.00 13.41	149.61
32 32 29 00-0025 LF 8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	847.62 24.88	277.53
32 32 29 00-0026 LF 4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	171.23 4.06	61.66
32 32 29 00-0027 LF 6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	255.89 6.02	92.54
32 32 29 00-0028 LF 8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	340.44 7.97	123.32
32 32 29 00-0029 LF 4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	116.59 3.98	34.83
32 32 29 00-0030 LF 6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	169.44 5.85	50.27
32 32 29 00-0031 LF 8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	229.45 7.97	67.90

32 32 29 00-0032 Post And Board Retaining Walls (32 32 29)

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033 LF 4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	71.75 2.95	18.51
32 32 29 00-0034 LF 4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	110.11 3.98	31.65
32 32 29 00-0035 LF 6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	144.66 5.61	39.32
32 32 29 00-0036 LF 6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	202.23 7.72	55.75
32 32 29 00-0037 LF 6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	264.54 10.16	72.50
32 32 29 00-0038 LF 8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	543.23 21.79	143.47
32 32 29 00-0039 LF 8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	614.23 25.20	158.92
32 32 29 00-0040 LF 4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	72.80 2.91	19.28
32 32 29 00-0041 LF 4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	127.79 5.04	34.29
32 32 29 00-0042 LF 6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	125.60 4.96	33.63
32 32 29 00-0043 LF 6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	175.96 6.75	48.30
32 32 29 00-0044 LF 6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	273.81 10.16	77.11
32 32 29 00-0045 LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	216.98 8.37	59.25
32 32 29 00-0046 LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	561.98 22.60	148.07
32 32 29 00-0047 LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	90.88 1.67	35.59
32 32 29 00-0048 LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	131.52 2.58	50.60
32 32 29 00-0049 LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat..... <i>For >3:1 Sloped Soil At Top, Add</i>	191.41 4.47	69.44
32 32 29 00-0050 LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	336.75 8.70	117.19
32 32 29 00-0051 LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	341.53 9.10	117.19
32 32 29 00-0052 LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat..... <i>For >3:1 Sloped Soil At Top, Add</i>	320.87 8.13	112.59
32 32 29 00-0053 LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	755.13 20.16	259.02
32 32 29 00-0054 LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	90.88 1.67	35.59
32 32 29 00-0055 LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	131.52 2.58	50.60
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	191.41 4.47	69.44
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	240.64 5.77	86.41
32 32 29 00-0058 LF 6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls <i>For >3:1 Sloped Soil At Top, Add</i>	336.75 8.70	117.19
32 32 29 00-0059 LF 6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	320.87 8.13	112.59
32 32 29 00-0060 LF 8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	755.13 20.16	259.02

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 32 29 00-0061	Wood Tie Retaining Walls, Rod Connector At 4' <small>(32 32 29)</small>		
	Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062	Redwood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063	LF 2' High, 6" x 6" Wood Tie Wall <i>For >3:1 Sloped Soil At Top, Add</i>	121.80 3.90	37.89
32 32 29 00-0064	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	277.94 8.94	86.41
32 32 29 00-0065	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	416.03 13.33	129.57
32 32 29 00-0066	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	403.79 15.45	111.06
32 32 29 00-0067	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	606.77 23.25	166.58
32 32 29 00-0068	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	801.45 30.89	219.05
32 32 29 00-0069	Cedar <small>(32 32 29 00-0061)</small>		
32 32 29 00-0070	LF 2' High, 6" x 6" Wood Tie Wall <i>For >3:1 Sloped Soil At Top, Add</i>	119.88 3.74	37.89
32 32 29 00-0071	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	272.20 8.45	86.41
32 32 29 00-0072	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	408.38 12.68	129.57
32 32 29 00-0073	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	390.40 14.31	111.06
32 32 29 00-0074	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	587.64 21.62	166.58
32 32 29 00-0075	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	774.67 28.61	219.05
32 32 29 00-0076	Creosoted Wood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0077	LF 2' High, 6" x 8" Wood Tie Wall <i>For >3:1 Sloped Soil At Top, Add</i>	133.19 2.77	50.27
32 32 29 00-0078	LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	305.04 6.26	115.66
32 32 29 00-0079	LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	452.37 9.35	171.19
32 32 29 00-0080	LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	613.05 12.52	232.84
32 32 29 00-0081	LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	892.59 18.21	339.19
32 32 29 00-0082	LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	1,184.44 24.23	449.70
32 32 29 00-0083	Pressure Treated Wood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0084	LF 2' High, 6" x 6" Wood Tie Wall <i>For >3:1 Sloped Soil At Top, Add</i>	105.76 3.67	31.33
32 32 29 00-0085	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	240.41 8.37	70.97
32 32 29 00-0086	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	360.14 12.52	106.45
32 32 29 00-0087	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	390.81 11.46	128.03
32 32 29 00-0088	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	587.24 17.40	191.33
32 32 29 00-0089	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	778.46 22.92	254.42
32 32 53	Stone Retaining Walls <small>(32 32)</small>		
32 32 53 00-0001	Stone Retaining Walls <small>(32 32 53)</small>		
	Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
32 32 53 00-0002	Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
	Note: Stone at \$16.00/ton.		
32 32 53 00-0003	LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	479.26 4.29	214.34
32 32 53 00-0004	LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	565.26 4.69	254.99
32 32 53 00-0005	LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	742.15 5.49	338.79
32 32 53 00-0006	LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,142.89 7.09	529.71
32 32 53 00-0007	LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,484.56 8.39	692.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0008 LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,842.12	862.88
For >3:1 Sloped Soil At Top, Add	9.89	
32 32 53 00-0009 LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	430.05	189.77
For >3:1 Sloped Soil At Top, Add	4.29	
32 32 53 00-0010 LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	504.32	224.53
For >3:1 Sloped Soil At Top, Add	4.69	
32 32 53 00-0011 LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	652.20	293.75
For >3:1 Sloped Soil At Top, Add	5.49	
32 32 53 00-0012 LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	998.09	457.34
For >3:1 Sloped Soil At Top, Add	7.09	
32 32 53 00-0013 LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,281.46	591.40
For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0014 LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,591.60	737.67
For >3:1 Sloped Soil At Top, Add	9.89	
32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$32.00/ton.		
32 32 53 00-0016 LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set	494.54	214.34
For >3:1 Sloped Soil At Top, Add	5.59	
32 32 53 00-0017 LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set	586.41	254.99
For >3:1 Sloped Soil At Top, Add	6.49	
32 32 53 00-0018 LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set	772.70	338.79
For >3:1 Sloped Soil At Top, Add	8.09	
32 32 53 00-0019 LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,187.53	529.71
For >3:1 Sloped Soil At Top, Add	10.88	
32 32 53 00-0020 LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,545.65	692.91
For >3:1 Sloped Soil At Top, Add	13.58	
32 32 53 00-0021 LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,919.65	862.88
For >3:1 Sloped Soil At Top, Add	16.48	
32 32 53 00-0022 LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	445.33	189.77
For >3:1 Sloped Soil At Top, Add	5.59	
32 32 53 00-0023 LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	525.47	224.53
For >3:1 Sloped Soil At Top, Add	6.49	
32 32 53 00-0024 LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	682.75	293.75
For >3:1 Sloped Soil At Top, Add	8.09	
32 32 53 00-0025 LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,042.73	457.34
For >3:1 Sloped Soil At Top, Add	10.88	
32 32 53 00-0026 LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,342.55	591.40
For >3:1 Sloped Soil At Top, Add	13.58	
32 32 53 00-0027 LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,669.13	737.67
For >3:1 Sloped Soil At Top, Add	16.48	
32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$48.00/ton.		
32 32 53 00-0029 LF \$48.00/ton 3' High Stone Retaining Wall, Dry Set	510.98	214.34
For >3:1 Sloped Soil At Top, Add	6.99	
32 32 53 00-0030 LF \$48.00/ton 4' High Stone Retaining Wall, Dry Set	607.32	254.99
For >3:1 Sloped Soil At Top, Add	8.27	
32 32 53 00-0031 LF \$48.00/ton 6' High Stone Retaining Wall, Dry Set	802.06	338.79
For >3:1 Sloped Soil At Top, Add	10.58	
32 32 53 00-0032 LF \$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,232.17	529.71
For >3:1 Sloped Soil At Top, Add	14.68	
32 32 53 00-0033 LF \$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,606.73	692.91
For >3:1 Sloped Soil At Top, Add	18.77	
32 32 53 00-0034 LF \$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,998.36	862.88
For >3:1 Sloped Soil At Top, Add	23.17	
32 32 53 00-0035 LF \$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	461.77	189.77
For >3:1 Sloped Soil At Top, Add	6.99	
32 32 53 00-0036 LF \$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	546.61	224.53
For >3:1 Sloped Soil At Top, Add	8.29	
32 32 53 00-0037 LF \$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	712.11	293.75
For >3:1 Sloped Soil At Top, Add	10.58	
32 32 53 00-0038 LF \$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,087.37	457.34
For >3:1 Sloped Soil At Top, Add	14.68	
32 32 53 00-0039 LF \$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,403.63	591.40
For >3:1 Sloped Soil At Top, Add	18.77	
32 32 53 00-0040 LF \$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,747.84	737.67
For >3:1 Sloped Soil At Top, Add	23.17	
32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set	527.43	214.34
For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set	605.21	254.99
For >3:1 Sloped Soil At Top, Add	8.09	
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set	833.78	338.79
For >3:1 Sloped Soil At Top, Add	13.28	
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,279.16	529.71
For >3:1 Sloped Soil At Top, Add	18.67	
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,670.17	692.91
For >3:1 Sloped Soil At Top, Add	24.16	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	2,078.25	862.88
For >3:1 Sloped Soil At Top, Add	29.96	
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	478.22	189.77
For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	567.76	224.53
For >3:1 Sloped Soil At Top, Add	10.09	
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	743.83	293.75
For >3:1 Sloped Soil At Top, Add	13.28	
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,134.36	457.34
For >3:1 Sloped Soil At Top, Add	18.67	
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,467.07	591.40
For >3:1 Sloped Soil At Top, Add	24.16	
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,827.73	737.67
For >3:1 Sloped Soil At Top, Add	29.96	

32 33 Site Furnishings (32 30)**32 33 13 Site Bicycle Racks** (32 33)

32 33 13 00-0001 Bicycle Organizer And Rack (32 33 13)

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)

32 33 13 00-0003 Double Sided (32 33 13 00-0002)

32 33 13 00-0004 EA 5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	691.07	118.73
32 33 13 00-0005 EA 10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	1,042.21	195.06
32 33 13 00-0006 EA 20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,795.72	296.82

32 33 13 00-0007 Single Sided (32 33 13 00-0002)

32 33 13 00-0008 EA 5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	604.99	106.01
32 33 13 00-0009 EA 10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	855.44	176.39
32 33 13 00-0010 EA 20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,466.43	265.01

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)

32 33 13 00-0012 PR Anchor Set For Vertical Style Bike Rack.....	121.17	
Note: Anchoring frame to ground.		

32 33 13 00-0013 Bike Racks Ground Loop (32 33 13 00-0001)

32 33 13 00-0014 EA 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	914.62	208.02
Note: In-ground mount.		

32 33 13 00-0015 Serpentine Bike Racks (32 33 13 00-0001)

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0017 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	505.47	127.21
32 33 13 00-0018 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	687.89	137.80
32 33 13 00-0019 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	870.31	148.41
32 33 13 00-0020 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	1,075.77	159.01
32 33 13 00-0021 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	1,281.22	169.61
32 33 13 00-0022 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	1,394.55	180.21

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0024 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	572.99	127.21
32 33 13 00-0025 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	736.57	137.80
32 33 13 00-0026 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	900.15	148.41
32 33 13 00-0027 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	1,045.93	159.01
32 33 13 00-0028 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	1,209.51	169.61
32 33 13 00-0029 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,408.68	180.21

32 33 13 00-0030 Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0031 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	505.47	127.21
32 33 13 00-0032 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	687.89	137.80
32 33 13 00-0033 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated.....	870.31	148.41
32 33 13 00-0034 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated.....	1,075.77	159.01
32 33 13 00-0035 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated.....	1,281.22	169.61
32 33 13 00-0036 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	1,394.55	180.21

32 33 13 00-0037 Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0038 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	590.79	127.21
32 33 13 00-0039 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	772.16	137.80
32 33 13 00-0040 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	935.74	148.41
32 33 13 00-0041 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	1,134.92	159.01
32 33 13 00-0042 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	1,298.49	169.61



Exterior Improvements	32	32
Site Improvements	32 30	
Site Furnishings	32 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0043 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,515.46	180.21
32 33 13 00-0044 Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0045 EA 1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	959.17	127.21
32 33 13 00-0046 EA 3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,432.95	137.80
32 33 13 00-0047 EA 5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,906.74	148.41
32 33 13 00-0048 EA 7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,445.20	159.01
32 33 13 00-0049 EA 9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,983.63	169.61
32 33 13 00-0050 EA 11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,263.45	180.21
32 33 13 00-0051 Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0052 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	750.96	127.21
32 33 13 00-0053 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,662.03	137.80
32 33 13 00-0054 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,181.55	148.41
32 33 13 00-0055 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,665.48	159.01
32 33 13 00-0056 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,167.21	169.61
32 33 13 00-0057 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,686.74	180.21
32 33 13 00-0058 Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)		
Note: In-ground mount.		
32 33 13 00-0059 EA 43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	618.53	95.41
32 33 23 Site Trash and Litter Receptacles (32 33)		
32 33 23 00-0001 Steel Trash Containment (32 33 23)		
32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood (32 33 23 00-0001)		
32 33 23 00-0003 EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	534.38	50.62
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	509.56	50.62
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	509.56	50.62
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	481.64	50.62
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	534.38	50.62
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	481.64	50.62
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	664.66	50.62
32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel (32 33 23 00-0001)		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	976.84	50.62
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,055.67	50.62
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,055.67	50.62
32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames (32 33 23 00-0001)		
Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,449.83	50.62
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,562.45	50.62
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,801.76	50.62
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,632.83	50.62
32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated (32 33 23 00-0001)		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,294.98	50.62
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,407.60	50.62
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,646.91	50.62
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,492.06	50.62
32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire (32 33 23 00-0001)		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,027.52	50.62
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,140.13	50.62
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,379.44	50.62
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,224.60	50.62
32 33 23 00-0029 Litter Baskets (32 33 23)		
32 33 23 00-0030 Round Wire Litter Baskets (32 33 23 00-0029)		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket	182.40	5.15
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket	230.58	5.15
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket	312.32	5.15
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket	358.45	5.15
32 33 23 00-0035 Trash Can/Wire Basket Holder (32 33 23 00-0029)		
32 33 23 00-0036 EA Steel Post, Single Holder	254.03	41.34

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0037 EA Steel Post, Double Holder.....	346.22	41.34
32 33 23 00-0038 EA Redwood Post, Single Holder.....	148.43	41.34
32 33 23 00-0039 EA Redwood Post, Double Holder.....	175.06	41.34
32 33 23 00-0040 Litter Receptacles, Freestanding <small>(32 33 23 00-0029)</small>		
Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,469.13	21.09
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0042 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,546.68	21.09
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0043 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,800.43	31.63
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,877.98	31.63
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole.....	1,955.53	31.63
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole.....	2,033.08	31.63
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0047 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount.....	1,621.38	27.42
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0048 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount.....	1,698.93	27.42
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0049 Ash Receptacles <small>(32 33 23)</small>		
32 33 23 00-0050 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded.....	828.17	21.09
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Sand Pan, Add	110.00	
For Bowl And Funnel, Add	120.00	
32 33 23 00-0051 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	340.91	21.09
32 33 23 00-0052 Trash Receptacles <small>(32 33 23)</small>		
32 33 23 00-0053 EA Outdoor Covered Steel Receptacle With Liner.....	1,205.45	21.09
32 33 23 00-0054 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame.....	515.10	21.09
32 33 23 00-0055 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish.....	895.06	21.09
32 33 23 00-0056 EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish.....	932.73	23.20
32 33 23 00-0057 EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish.....	1,003.84	25.31
32 33 23 00-0058 EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	504.73	16.87
32 33 23 00-0059 EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber.....	602.85	16.87
32 33 23 00-0060 EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	1,160.39	21.09
32 33 23 00-0061 Trash Containers (Dumpsters) <small>(32 33 23)</small>		
32 33 23 00-0062 EA 1 CY Straight Side Trash Dumpster.....	300.04	
32 33 23 00-0063 EA 1.5 CY Straight Side Trash Dumpster.....	450.07	
32 33 23 00-0064 EA 2 CY Straight Side Trash Dumpster.....	600.09	
32 33 23 00-0065 EA 2 CY Sloped Side Trash Dumpster.....	600.09	
32 33 23 00-0066 EA 3 CY Sloped Side Trash Dumpster.....	900.13	
32 33 23 00-0067 EA 4 CY Sloped Side Trash Dumpster.....	1,200.18	
32 33 23 00-0068 EA 6 CY Sloped Side Trash Dumpster.....	1,800.27	
32 33 23 00-0069 EA 8 CY Sloped Side Trash Dumpster.....	2,400.35	
32 33 33 Site Manufactured Planters <small>(32 33)</small>		
32 33 33 00-0001 Precast Concrete Planters <small>(32 33 33)</small>		
32 33 33 00-0002 Circular Precast Concrete Planters <small>(32 33 33 00-0001)</small>		
32 33 33 00-0003 EA 24" Diameter, 17" Height, Circular Precast Concrete Planter.....	809.02	26.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0004 EA 24" Diameter, 24" Height, Circular Precast Concrete Planter	905.52	31.31
32 33 33 00-0005 EA 24" Diameter, 33" Height, Circular Precast Concrete Planter	991.58	31.31
32 33 33 00-0006 EA 30" Diameter, 17" Height, Circular Precast Concrete Planter	1,075.42	36.52
32 33 33 00-0007 EA 30" Diameter, 30" Height, Circular Precast Concrete Planter	1,301.33	46.95
32 33 33 00-0008 EA 36" Diameter, 24" Height, Circular Precast Concrete Planter	1,417.77	46.95
32 33 33 00-0009 EA 36" Diameter, 30" Height, Circular Precast Concrete Planter	1,597.80	52.17
32 33 33 00-0010 EA 48" Diameter, 17" Height, Circular Precast Concrete Planter	1,688.92	52.17
32 33 33 00-0011 EA 48" Diameter, 24" Height, Circular Precast Concrete Planter	1,879.54	65.21
32 33 33 00-0012 EA 48" Diameter, 30" Height, Circular Precast Concrete Planter	1,999.26	69.38
32 33 33 00-0013 EA 48" Diameter, 36" Height, Circular Precast Concrete Planter	2,082.50	73.03
32 33 33 00-0014 EA 60" Diameter, 17" Height, Circular Precast Concrete Planter	1,891.31	65.21
32 33 33 00-0015 EA 60" Diameter, 24" Height, Circular Precast Concrete Planter	2,079.97	73.03
32 33 33 00-0016 EA 60" Diameter, 36" Height, Circular Precast Concrete Planter	2,670.07	78.25
32 33 33 00-0017 EA 72" Diameter, 36" Height, Circular Precast Concrete Planter	3,466.13	99.12
32 33 33 00-0018 EA 84" Diameter, 36" Height, Circular Precast Concrete Planter	4,030.91	104.34
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0020 EA 36" Square, 30" Height, Square Precast Concrete Planter	1,625.78	67.82
32 33 33 00-0021 EA 42" Square, 30" Height, Square Precast Concrete Planter	1,862.94	73.03
32 33 33 00-0022 EA 60" Square, 36" Height, Square Precast Concrete Planter	2,953.88	83.47
32 33 33 00-0023 EA 72" Square, 36" Height, Square Precast Concrete Planter	3,151.63	88.68
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0025 EA 33" x 18", 20" Height, Rectangular Precast Concrete Planter	943.49	31.31
32 33 33 00-0026 EA 48" x 18", 20" Height, Rectangular Precast Concrete Planter	1,103.89	46.95
32 33 33 00-0027 EA 60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,281.39	52.17
32 33 33 00-0028 EA 72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,456.81	65.21
32 33 33 00-0029 Fiberglass Planters (32 33 33)		
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031 EA 36" Diameter, 27" High, Circular Fiberglass Planter	2,004.81	26.08
32 33 33 00-0032 EA 60" Diameter, 39" High, Circular Fiberglass Planter	3,350.52	26.08
32 33 33 00-0033 EA 36" Diameter, 24" High, Circular Fiberglass Planter	1,329.54	26.08
32 33 33 00-0034 EA 60" Diameter, 24" High, Circular Fiberglass Planter	2,641.11	26.08
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036 EA 24" Diameter, 20" High, Tapered Circular Fiberglass Planter	767.07	26.08
32 33 33 00-0037 EA 30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,134.49	26.08
32 33 33 00-0038 EA 36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,038.95	26.08
32 33 33 00-0039 EA 40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,855.65	26.08
32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0041 EA 24" Square, 21" High, Square Fiberglass Planter	1,013.96	26.08
32 33 33 00-0042 EA 24" Square, 24" High, Square Fiberglass Planter	1,036.98	26.08
32 33 33 00-0043 EA 30" Square, 12" High, Square Fiberglass Planter	1,049.16	26.08
32 33 33 00-0044 EA 30" Square, 21" High, Square Fiberglass Planter	1,193.02	26.08
32 33 33 00-0045 EA 30" Square, 24" High, Square Fiberglass Planter	1,297.82	26.08
32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0047 EA 48" x 12", 12" High, Rectangular Fiberglass Planter	1,170.23	26.08
32 33 33 00-0048 EA 48" x 12", 21" High, Rectangular Fiberglass Planter	1,256.18	26.08
32 33 33 00-0049 EA 48" x 24", 12" High, Rectangular Fiberglass Planter	1,643.24	26.08
32 33 33 00-0050 EA 48" x 24", 21" High, Rectangular Fiberglass Planter	1,815.14	26.08
32 33 33 00-0051 Timber Planters (32 33 33)		
32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)		
32 33 33 00-0053 EA 14" Square, 30" High, Square Timber Planter	601.18	50.62
32 33 33 00-0054 EA 21" Square, 30" High, Square Timber Planter	601.18	50.62
32 33 33 00-0055 EA 27" Square, 30" High, Square Timber Planter	1,160.80	50.62
32 33 33 00-0056 EA 34" Square, 30" High, Square Timber Planter	1,003.16	50.62
32 33 33 00-0057 EA 41" Square, 36" High, Square Timber Planter	1,200.21	50.62
32 33 33 00-0058 EA 54" Square, 36" High, Square Timber Planter	3,123.41	50.62
32 33 33 00-0059 EA 81" Square, 36" High, Square Timber Planter	4,707.68	50.62
32 33 33 00-0060 Rectangular Timber Planters (32 33 33 00-0051)		
32 33 33 00-0061 EA 21" x 14", 30" High, Rectangular Timber Planter	593.30	50.62
32 33 33 00-0062 EA 27" x 14", 30" High, Rectangular Timber Planter	664.24	50.62
32 33 33 00-0063 EA 27" x 21", 30" High, Rectangular Timber Planter	877.05	50.62
32 33 33 00-0064 EA 34" x 21", 30" High, Rectangular Timber Planter	971.63	50.62
32 33 33 00-0065 EA 41" x 21", 30" High, Rectangular Timber Planter	1,255.38	50.62

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0066 EA 34" x 27", 30" High, Rectangular Timber Planter	1,460.31	50.62
32 33 33 00-0067 EA 41" x 27", 30" High, Rectangular Timber Planter	1,633.72	50.62
32 33 33 00-0068 EA 54" x 27", 30" High, Rectangular Timber Planter	2,130.28	50.62
32 33 33 00-0069 EA 54" x 34", 30" High, Rectangular Timber Planter	2,406.15	50.62
32 33 33 00-0070 EA 68" x 34", 36" High, Rectangular Timber Planter	2,745.07	50.62
32 33 33 00-0071 EA 54" x 41", 36" High, Rectangular Timber Planter	2,611.08	50.62
32 33 33 00-0072 EA 68" x 41", 36" High, Rectangular Timber Planter	2,957.89	50.62
32 33 33 00-0073 EA 81" x 41", 36" High, Rectangular Timber Planter	3,312.57	50.62
32 33 43 Site Seating and Tables (32 33)		
32 33 43 53 Site Tables (32 33 43)		
32 33 43 53-0001 Picnic Tables (32 33 43 53)		
32 33 43 53-0002 Wooden Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0003 EA 6' Permanent Rectangular Redwood Table	1,081.81	63.28
32 33 43 53-0004 Portable Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0005 EA 6' Wood Table With Aluminum Frame	1,390.21	42.19
32 33 43 53-0006 EA 6' Aluminum Table And Frame	2,021.29	42.19
32 33 43 53-0007 EA 8' Aluminum Table And Frame	2,411.30	52.74
32 33 43 53-0008 EA 6' Steel Table And Frame	1,264.84	42.19
32 33 43 53-0009 EA 8' Steel Table And Frame	1,447.30	52.74
32 33 43 53-0010 Concrete Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0011 EA 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,482.67	168.75
32 33 43 53-0012 EA 96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT)	2,944.08	
Note: Standard sealer		
32 33 43 53-0013 EA 102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA)	2,953.42	
Note: Standard sealer		
32 33 43 53-0014 EA 42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC)	3,128.41	
Note: Includes table top, four benches and mounting hardware.		
32 33 43 53-0015 Plastic Picnic Tables (32 33 43 53-0001)		
Note: Manufactured from recycled plastic.		
32 33 43 53-0016 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0015)		
32 33 43 53-0017 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,468.95	63.28
32 33 43 53-0018 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,611.54	63.28
32 33 43 53-0019 Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0015)		
32 33 43 53-0020 EA 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	1,931.35	63.28
32 33 43 53-0021 EA 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,122.83	63.28
32 33 43 53-0022 Recycled Plastic Tables (32 33 43 53-0015)		
32 33 43 53-0023 EA 6' Standard "Step-Over" Table, Recycled Plastic Lumber	2,535.66	63.28
32 33 43 53-0024 EA 6' "Walk-Through" Table, Recycled Plastic Lumber	2,108.63	63.28
32 33 43 53-0025 EA 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,304.88	63.28
32 33 43 53-0026 EA 8' "Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,154.16	63.28
32 33 43 53-0027 EA 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,715.82	63.28
32 33 43 53-0028 EA 4' Youth Table, Recycled Plastic Lumber	1,072.66	50.62
32 33 53 Site Grills (32 33)		
32 33 53 00-0001 Picnic Grills (32 33 53)		
32 33 53 00-0002 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	418.90	
Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	448.79	
Note: 7 gauge with galvanized steel post.		
32 33 63 Skate Board Deterrent (32 33)		
32 33 63 00-0001 Skate Stoppers (32 33 63)		
32 33 63 00-0002 EA Aluminum Architectural Series Pieces, Skate Stopper	61.66	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
For >59 To 99, Deduct	-6.73	
For >99 To 249, Deduct	-8.48	
For >249, Deduct	-10.22	



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0003	EA		Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -7.26 <i>For >99 To 249, Deduct</i> -9.12 <i>For >249, Deduct</i> -10.98	65.43	
32 33 63 00-0004	EA		Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -4.48 <i>For >99 To 249, Deduct</i> -5.75 <i>For >249, Deduct</i> -7.01	45.59	
32 33 63 00-0005	EA		Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -3.16 <i>For >99 To 249, Deduct</i> -4.14 <i>For >249, Deduct</i> -5.12	36.13	
32 33 63 00-0006	EA		Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -3.66 <i>For >99 To 249, Deduct</i> -4.74 <i>For >249, Deduct</i> -5.83	39.67	
32 33 63 00-0007	EA		Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -3.41 <i>For >99 To 249, Deduct</i> -4.44 <i>For >249, Deduct</i> -5.47	37.88	
32 33 63 00-0008	EA		Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -3.08 <i>For >99 To 249, Deduct</i> -4.04 <i>For >249, Deduct</i> -5.00	35.55	
32 33 63 00-0009	EA		Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -5.10 <i>For >99 To 249, Deduct</i> -6.50 <i>For >249, Deduct</i> -7.89	50.00	
32 33 63 00-0010	EA		Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -11.17 <i>For >99 To 249, Deduct</i> -13.87 <i>For >249, Deduct</i> -16.57	93.37	

32 39 Manufactured Site Specialties (32 30)

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards (32 39)

32 39 13 00-0001 Metal Pipe Bollards (32 39 13)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)

32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 14.03 <i>For 304 Stainless Steel, Add</i> 111.44 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 128.20 <i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 90.02 <i>For Schedule 80, Add</i> 14.99 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 11.13	108.60	13.02
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 22.14 <i>For 304 Stainless Steel, Add</i> 175.78 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 128.20 <i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 90.02 <i>For Schedule 80, Add</i> 22.14 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 15.86	156.26	13.02
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 32.83 <i>For 304 Stainless Steel, Add</i> 260.71 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 168.24 <i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 133.28 <i>For Schedule 80, Add</i> 32.22 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 21.20	225.68	16.29
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 44.92 <i>For 304 Stainless Steel, Add</i> 356.71 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 194.28 <i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 146.30 <i>For Schedule 80, Add</i> 43.54 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 26.02	303.30	19.54

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	380.00	26.05
For Galvanized Steel, Add	55.74	
For 304 Stainless Steel, Add	442.67	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	267.40	
For Each Sleeve For Removable, Lockable Bollard, Add	201.07	
For Schedule 80, Add	54.40	
For Concrete Fill, Add Per LF Of Pipe Bollard	30.51	
32 39 23 Manufactured Concrete Bollards (32 39)		
32 39 23 00-0001 Concrete Bollards (32 39 23)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002 Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Media Blast	787.03	104.21
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Media Blast.....	787.03	104.21
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 25 Manufactured Wood Bollards (32 39)		
32 39 25 00-0001 Wood Bollards (32 39 25)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002 Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003 LF 4" x 4", Pressure Treated Wood Bollard	23.90	10.42
For Each Sleeve For Removable, Lockable Bollard, Add	88.70	
32 39 25 00-0004 LF 6" x 6", Pressure Treated Wood Bollard	27.13	10.42
For Each Sleeve For Removable, Lockable Bollard, Add	88.70	
32 39 25 00-0005 LF 8" x 8", Pressure Treated Wood Bollard	34.64	11.72
For Each Sleeve For Removable, Lockable Bollard, Add	132.08	
32 39 25 00-0006 LF 10" x 10", Pressure Treated Wood Bollard	48.72	15.63
For Each Sleeve For Removable, Lockable Bollard, Add	147.72	
32 39 25 00-0007 LF 12" x 12", Pressure Treated Wood Bollard	66.82	20.84
For Each Sleeve For Removable, Lockable Bollard, Add	204.45	
32 39 27 Manufactured Plastic Bollards (32 39)		
32 39 27 00-0001 Plastic Bollards (32 39 27)		
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002 Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003 EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard	349.27	52.10
Note: Includes anchor bolts.		
32 39 27 00-0004 EA 6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard.....	567.43	52.10
32 39 27 00-0005 Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006 EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	86.57	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0007 EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	93.51	11.99
For Reflective Tape, Add	10.29	
32 39 27 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	118.98	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe.....	118.98	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	134.10	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	118.98	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	121.14	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	118.98	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	121.14	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	170.82	10.89
For Reflective Tape, Add	10.29	
32 39 27 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	121.16	11.99
For Reflective Tape, Add	10.29	
32 39 27 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	155.72	11.99
For Reflective Tape, Add	10.29	
32 39 27 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	177.76	11.99
For Reflective Tape, Add	10.29	
32 39 27 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	149.27	13.08
For Reflective Tape, Add	10.29	
32 39 27 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	162.23	13.08
For Reflective Tape, Add	10.29	
32 39 27 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe.....	162.23	13.08
For Reflective Tape, Add	10.29	



Exterior Improvements	32	32
Site Improvements	32 30	
Manufactured Site Specialties	32 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe <i>For Reflective Tape, Add</i>	220.57 10.29	13.08
32 39 29 Manufactured Stone Bollards (32 39)		
32 39 29 00-0001 Stone Bollards (32 39 29) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)		
32 39 29 00-0003 EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,244.57	130.26
32 39 29 00-0004 EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,581.38	182.36
32 39 29 00-0005 EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	786.53	130.26
32 39 29 00-0006 EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,138.79	104.21
32 39 29 00-0007 EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,684.50	104.21
32 80 Irrigation (32)		
32 84 Planting Irrigation (32 80)		
32 84 13 Drip Irrigation (32 84)		
32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)		
32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)		
32 84 13 00-0003 EA 1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	63.24	15.31
32 84 13 00-0004 EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	98.09	15.31
32 84 13 00-0005 EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	95.66	15.31
32 84 13 00-0006 EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS)	128.40	15.31
32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)		
32 84 13 00-0008 EA 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	197.60	15.31
32 84 13 00-0009 EA 1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	199.40	15.31
32 84 13 00-0010 EA 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	78.46	15.31
32 84 13 00-0011 EA 1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	79.90	15.31
32 84 13 00-0012 EA 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	214.37	15.31
32 84 13 00-0013 EA 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	100.13	15.31
32 84 13 00-0014 EA 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	111.42	15.31
32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)		
32 84 13 00-0016 EA 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	77.00	15.31
32 84 13 00-0017 EA 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	77.00	15.31
32 84 13 00-0018 EA 3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	77.00	15.31
32 84 13 00-0019 EA 1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	88.86	15.31
32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001) Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021 LF 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	5.66	2.14
32 84 13 00-0022 LF 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	5.23	2.45
32 84 13 00-0023 LF 1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100) <i>For Shallow Trenching And Backfill By Hand, Add</i>	4.52 8.80	2.14
32 84 13 00-0024 LF 1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100) <i>For Shallow Trenching And Backfill By Hand, Add</i>	5.33 9.54	2.45
32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)		
32 84 13 00-0026 EA 1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	4.05	
32 84 13 00-0027 EA 1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	4.09	
32 84 13 00-0028 EA 1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	4.15	
32 84 13 00-0029 EA 1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	4.37	
32 84 13 00-0030 EA 1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	4.01	
32 84 13 00-0031 EA 17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP) <i>For Compression Fitting, Add</i>	4.26 0.43	
32 84 13 00-0032 EA 17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW) <i>For Compression Fitting, Add</i>	4.38 0.55	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0033 EA 17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	4.44	
<i>For Compression Fitting, Add</i>	0.61	
32 84 13 00-0034 EA 17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	4.48	
<i>For Compression Fitting, Add</i>	0.65	
32 84 13 00-0035 EA 17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	4.74	
<i>For Compression Fitting, Add</i>	0.91	
32 84 13 00-0036 EA 1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	5.03	
32 84 13 00-0037 EA 12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.48	
32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)		
32 84 13 00-0039 EA 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	8.32	
32 84 13 00-0040 EA 5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	9.47	
32 84 13 00-0041 EA 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	19.64	
32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)		
32 84 13 00-0043 EA Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	32.41	13.78
32 84 13 00-0044 EA Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	32.47	13.78
32 84 13 00-0045 EA 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	35.66	13.78
32 84 13 00-0046 EA 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	36.00	13.78
32 84 13 00-0047 EA 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)	52.00	18.07
Note: Includes nozzle.		
32 84 13 00-0048 EA 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL)	56.10	18.07
Note: Includes nozzle.		
32 84 13 00-0049 EA 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL)	56.61	18.07
Note: Includes nozzle.		
32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)		
Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051 LF 0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	5.97	2.68
32 84 23 Underground Sprinklers (32 84)		
32 84 23 00-0001 Sprinkler Heads (32 84 23)		
32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)		
Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	45.91	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0004 EA 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	43.58	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0005 EA 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	52.21	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0006 EA 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	59.43	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0007 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	46.83	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0008 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	58.97	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0009 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	64.82	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	50.29	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	61.36	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	66.81	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	51.67	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	68.66	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	74.04	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016 EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	39.05	16.91
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0017 EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	44.45	16.91
32 84 23 00-0018 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)		
Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0020	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC) <i>For Non-Potable Cover, Add</i>	62.97 2.00	16.91
32 84 23 00-0021	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM) <i>For Non-Potable Cover, Add</i>	64.89 2.00	16.91
32 84 23 00-0022			3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small> Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	58.36 2.00 9.00	16.91
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	79.11 2.00 9.00	16.91
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	62.20 2.00 9.00	16.91
32 84 23 00-0026	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	82.19 2.00 9.00	16.91
32 84 23 00-0027	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	63.74 2.00 9.00	16.91
32 84 23 00-0028	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	66.81 2.00 9.00	16.91
32 84 23 00-0029	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	86.80 2.00 9.00	16.91
32 84 23 00-0030	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	99.10 2.00 9.00	16.91
32 84 23 00-0031	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS) <i>For Non-Potable Cover, Add</i>	66.43 2.00	16.91
32 84 23 00-0032	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR) <i>For Non-Potable Cover, Add</i>	78.73 2.00	16.91
32 84 23 00-0033			1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i> <i>For Stainless Steel Riser And High Speed Rotor, Add</i>	107.94 2.00 9.00 56.58	16.91
32 84 23 00-0035			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005) <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	152.52 2.00 9.00	16.91
32 84 23 00-0037			Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small> Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08) <i>For Non-Potable Cover, Add</i>	86.42 2.00	16.91
32 84 23 00-0039	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	67.97	16.91
32 84 23 00-0040	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	129.43	16.91
32 84 23 00-0041			Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0042			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0041)</small> Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	193.55	70.49
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	193.55	70.49
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	213.69	80.36
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	195.08	70.49

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0041) Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	195.08	70.49
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	215.99	80.36
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	217.53	80.36
32 84 23 00-0051		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0041) Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	318.07	70.49
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	371.88	70.49
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	441.06	70.49
32 84 23 00-0055		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	452.95	79.23
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	506.76	79.23
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	575.94	79.23
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	529.82	79.23
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	583.63	79.23
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	652.81	79.23
32 84 23 00-0063		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	471.11	70.49
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	718.49	70.49
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	740.85	70.49
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,734.86	95.16
32 84 23 00-0068		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	436.27	79.23
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	509.84	79.23
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	589.70	79.23
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	694.86	79.23
32 84 23 00-0073		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	574.55	79.23
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	868.04	79.23
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	893.20	79.23
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,851.95	79.23
32 84 23 00-0078		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	582.92	70.49



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0080	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	830.29	70.49
32 84 23 00-0081	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	852.65	70.49
32 84 23 00-0082	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,846.67	95.16
32 84 23 00-0083			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0041)		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.					
32 84 23 00-0084	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	551.58	79.23
32 84 23 00-0085	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	625.14	79.23
32 84 23 00-0086	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	705.01	79.23
32 84 23 00-0087	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	810.16	79.23
32 84 23 00-0088			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) (32 84 23 00-0041)		
Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.					
32 84 23 00-0089	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	686.35	79.23
32 84 23 00-0090	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	979.85	79.23
32 84 23 00-0091	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	1,005.01	79.23
32 84 23 00-0092	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,963.76	79.23
32 84 23 00-0093			Other Electric Remote Control Valves/Accessories (32 84 23 00-0041)		
32 84 23 00-0094	EA		Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	171.69	
32 84 23 00-0095			Remote Control Valve Assemblies (32 84 23 00-0041)		
Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.					
32 84 23 00-0096	EA		1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	653.73	176.23
32 84 23 00-0097	EA		1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	707.53	176.23
32 84 23 00-0098	EA		2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	776.72	176.23
32 84 23 00-0099	EA		1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	730.59	176.23
Note: Purple components for use with recycled water					
32 84 23 00-0100	EA		1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	784.40	176.23
Note: Purple components for use with recycled water					
32 84 23 00-0101	EA		2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	853.58	176.23
Note: Purple components for use with recycled water					
32 84 23 00-0102	EA		1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	752.35	176.23
Note: Purple components for use with recycled water					
32 84 23 00-0103	EA		1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	905.78	176.23
Note: Purple components for use with recycled water					
32 84 23 00-0104	EA		2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	1,010.93	176.23
Note: Purple components for use with recycled water					
32 84 23 00-0105			Irrigation Valve Boxes (32 84 23)		
Note: Includes lid.					
32 84 23 00-0106	EA		6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	118.80	50.75
32 84 23 00-0107	EA		7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	136.96	50.75
32 84 23 00-0108	EA		10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	179.69	66.82
32 84 23 00-0109	EA		21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	290.94	97.56
32 84 23 00-0110	EA		21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	296.07	97.56
32 84 23 00-0111	EA		26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	332.86	97.56
32 84 23 00-0112	EA		26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	337.24	97.56
32 84 23 00-0113	EA		33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	547.52	97.56
32 84 23 00-0114	EA		40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	819.86	97.56
32 84 23 00-0115	EA		Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid.....	441.25	126.46
For 12" Extension, Add				97.08	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0116 EA Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid <i>For 12" Extension, Add</i>	708.80 97.08	126.46
32 84 23 00-0117 EA 12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	237.62	84.59
32 84 23 00-0118 EA 15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	335.17	97.56
32 84 23 00-0119 EA 10" Round Irrigation Valve Box With Lid (Carson 910-10).....	185.89	66.82
32 84 23 00-0120 Irrigation Controllers <small>(32 84 23)</small> See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0121 Irrigation Controllers <small>(32 84 23 00-0120)</small>		
32 84 23 00-0122 Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0121)</small>		
32 84 23 00-0123 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0122)</small>		
32 84 23 00-0124 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0123)</small>		
32 84 23 00-0125 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0124)</small>		
32 84 23 00-0126 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	418.81	33.75
32 84 23 00-0127 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	584.19	33.75
32 84 23 00-0128 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	749.57	33.75
32 84 23 00-0129 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	914.96	33.75
32 84 23 00-0130 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,046.59	33.75
32 84 23 00-0131 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,216.19	33.75
32 84 23 00-0132 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,385.80	33.75
32 84 23 00-0133 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0124)</small>		
32 84 23 00-0134 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	497.44	33.75
32 84 23 00-0135 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	662.82	33.75
32 84 23 00-0136 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	828.20	33.75
32 84 23 00-0137 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	993.59	33.75
32 84 23 00-0138 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,125.22	33.75
32 84 23 00-0139 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,294.82	33.75
32 84 23 00-0140 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,464.43	33.75
32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0123)</small>		
32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) <small>(32 84 23 00-0141)</small>		
32 84 23 00-0143 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	691.94	33.75
32 84 23 00-0144 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	857.32	33.75
32 84 23 00-0145 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,022.71	33.75
32 84 23 00-0146 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,188.09	33.75
32 84 23 00-0147 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,319.73	33.75
32 84 23 00-0148 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,489.33	33.75
32 84 23 00-0149 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,658.93	33.75
32 84 23 00-0150 EA CALTRAN 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	857.32	33.75
32 84 23 00-0151 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0141)</small>		
32 84 23 00-0152 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	750.86	33.75
32 84 23 00-0153 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	916.24	33.75
32 84 23 00-0154 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,081.63	33.75
32 84 23 00-0155 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,247.01	33.75
32 84 23 00-0156 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,378.64	33.75
32 84 23 00-0157 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,548.25	33.75
32 84 23 00-0158 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,717.85	33.75
32 84 23 00-0159 Accessories For ESP-ME/MEI Irrigation Controllers <small>(32 84 23 00-0123)</small>		
32 84 23 00-0160 EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22- stations.	169.60	
32 84 23 00-0161 EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22- stations.	322.80	
32 84 23 00-0162 EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	489.74	
32 84 23 00-0163 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) <small>(32 84 23 00-0122)</small>		



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 84 23 00-0164	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0163)		
32 84 23 00-0165	EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,010.31	33.75
32 84 23 00-0166	EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,219.72	33.75
32 84 23 00-0167	EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,432.94	33.75
32 84 23 00-0168	EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,642.34	33.75
32 84 23 00-0169	EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,855.56	33.75
32 84 23 00-0170	EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,064.96	33.75
32 84 23 00-0171	EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,278.18	33.75
32 84 23 00-0172	EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,487.59	33.75
32 84 23 00-0173	EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,700.80	33.75
32 84 23 00-0174	EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,910.20	33.75
32 84 23 00-0175	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0163)		
32 84 23 00-0176	EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,029.72	33.75
32 84 23 00-0177	EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,239.11	33.75
32 84 23 00-0178	EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,452.34	33.75
32 84 23 00-0179	EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,661.74	33.75
32 84 23 00-0180	EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,874.96	33.75
32 84 23 00-0181	EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,084.37	33.75
32 84 23 00-0182	EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,297.58	33.75
32 84 23 00-0183	EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,506.99	33.75
32 84 23 00-0184	EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,720.21	33.75
32 84 23 00-0185	EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,929.61	33.75
32 84 23 00-0186	EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	3,142.82	33.75
32 84 23 00-0187	Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0163)		
32 84 23 00-0188	EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	780.32	
32 84 23 00-0189	EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM).....	1,818.04	
	Note: Excludes concrete foundation.		
32 84 23 00-0190	EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	1,743.20	
32 84 23 00-0191	EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	3,877.27	
	Note: Excludes concrete foundation.		
32 84 23 00-0192	EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	209.40	
	Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0193	EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	422.62	
	Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0194	EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	658.25	
	Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0195	EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	248.64	
32 84 23 00-0196	Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0122)		
32 84 23 00-0197	Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0196)		
32 84 23 00-0198	EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	501.66	33.75
32 84 23 00-0199	EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	602.13	33.75
32 84 23 00-0200	EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	738.28	33.75
32 84 23 00-0201	Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0196)		
32 84 23 00-0202	EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	667.34	
32 84 23 00-0203	EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	122.27	25.31
32 84 23 00-0204	Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0122)		
32 84 23 00-0205	EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDDBEX).....	164.17	25.31
32 84 23 00-0206	EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	346.07	25.31
32 84 23 00-0207	EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	368.95	25.31
32 84 23 00-0208	EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	567.25	25.31
32 84 23 00-0209	Two-Wire Decoder Systems (32 84 23 00-0120)		
32 84 23 00-0210	Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0211	Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0210)		
	Note: Includes water resistant cabinet.		
32 84 23 00-0212	EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,019.02	33.75

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0213 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,200.71	33.75
32 84 23 00-0214 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	5,382.39	33.75
32 84 23 00-0215 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0210)		
32 84 23 00-0216 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	363.07	33.75
32 84 23 00-0217 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	463.84	33.75
32 84 23 00-0218 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	698.52	33.75
32 84 23 00-0219 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	860.17	33.75
32 84 23 00-0220 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,438.82	33.75
32 84 23 00-0221 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0210)		
32 84 23 00-0222 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	2,224.78	
32 84 23 00-0223 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,181.69	
32 84 23 00-0224 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	273.42	29.53
32 84 23 00-0225 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,295.13	33.75
32 84 23 00-0226 Calsense Controllers (32 84 23 00-0120)		
32 84 23 00-0227 Irrigation Controllers (32 84 23 00-0226)		
32 84 23 00-0228 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,771.55	84.38
32 84 23 00-0229 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,579.53	94.92
32 84 23 00-0230 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	4,920.18	105.46
32 84 23 00-0231 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,416.53	105.46
32 84 23 00-0232 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,406.12	116.01
32 84 23 00-0233 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	7,737.78	116.01
32 84 23 00-0234 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	8,763.66	126.56
32 84 23 00-0235 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	9,816.89	126.56
32 84 23 00-0236 EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,835.76	42.19
32 84 23 00-0237 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,184.93	42.19
32 84 23 00-0238 Irrigation Controller Accessories (32 84 23 00-0226)		
32 84 23 00-0239 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	116.22	
32 84 23 00-0240 EA Spare Lock For Enclosures (Calsense PAD)	125.90	
32 84 23 00-0241 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	146.99	10.55
32 84 23 00-0242 EA Transformer For Irrigation Controllers (Calsense TR-1)	205.44	42.19
32 84 23 00-0243 EA AC Line Protection For Irrigation Controllers (Calsense TP-110)	580.73	42.19
32 84 23 00-0244 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	774.42	42.19
<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	353.56	
32 84 23 00-0245 Sensors For Irrigation Controllers (32 84 23 00-0226)		
32 84 23 00-0246 Flow Sensors (32 84 23 00-0245)		
32 84 23 00-0247 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,361.38	63.28
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-982.00	
32 84 23 00-0248 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,409.80	63.28
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,030.42	
32 84 23 00-0249 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,458.23	63.28
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,078.85	
32 84 23 00-0250 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,609.37	84.38
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,229.68	
32 84 23 00-0251 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,730.43	84.38
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,350.74	
32 84 23 00-0252 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,778.85	84.38
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,399.16	
32 84 23 00-0253 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,093.61	84.38
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,585.74	
32 84 23 00-0254 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)	1,633.95	42.19
<i>Note: For 4" and larger pipe. Excludes pipe saddle.</i>		
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,126.07	
32 84 23 00-0255 Moisture Sensors (32 84 23 00-0245)		
32 84 23 00-0256 EA Soil Moisture Sensor (Calsense 1000-S)	571.73	31.64
32 84 23 00-0257 Weather Sensors (32 84 23 00-0245)		
32 84 23 00-0258 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,560.95	84.38
32 84 23 00-0259 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,778.11	168.75
32 84 23 00-0260 EA ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,582.27	126.56
32 84 23 00-0261 Weather Sensor Accessories (32 84 23 00-0245)		
32 84 23 00-0262 EA Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,052.86	
32 84 23 00-0263 EA Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	1,997.14	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0264	EA		Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	1,052.86	42.19
32 84 23 00-0265	EA		Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	2,451.29	42.19
32 84 23 00-0266 Antennas For Irrigation Controllers (32 84 23 00-0226)					
Note: Excludes antenna cable.					
32 84 23 00-0267	EA		Local Radio Dome Antenna (Calsense LR-DOME).....	544.41	42.19
32 84 23 00-0268	EA		Local Radio Stick Antenna (Calsense LR-STICK).....	798.64	42.19
32 84 23 00-0269	EA		Local Radio Yagi Antenna (Calsense LR-YAGI).....	883.01	84.38
32 84 23 00-0270	EA		Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	544.41	42.19
32 84 23 00-0271	EA		Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE).....	544.41	42.19
32 84 23 00-0272	EA		GPRS Stubby Antenna (Calsense GR-STUBBY).....	544.41	42.19
32 84 23 00-0273	EA		GPRS Stick Antenna (Calsense GR-STICK).....	798.64	42.19
32 84 23 00-0274	EA		Spread Spectrum Dome Antenna (Calsense SR-DOME).....	544.41	42.19
32 84 23 00-0275	EA		Spread Spectrum Stick Antenna (Calsense SR-STICK).....	798.64	42.19
32 84 23 00-0276	EA		Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	883.01	84.38
32 84 23 00-0277	EA		Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	544.41	42.19
32 84 23 00-0278	EA		Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE).....	544.41	42.19
32 84 23 00-0279	EA		Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	544.41	42.19
32 84 23 00-0280	EA		WiFi Stubby Antenna (Calsense WEN-STUBBY).....	544.41	42.19
32 84 23 00-0281	LF		Antenna Cable With End Connectors (Calsense LMR-400-DB).....	15.05	0.50
32 84 23 00-0282	EA		Surge Protection Device For Antenna (Calsense ANT-PROT).....	550.64	21.09
32 84 23 00-0283	EA		5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	895.49	42.19
32 84 23 00-0284	EA		3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM).....	786.89	
32 84 23 00-0285	EA		Local Radio Frequency Filter (Calsense LR-FILTER).....	1,113.76	
32 84 23 00-0286	EA		Spread Spectrum Frequency Filter (Calsense SR-FILTER).....	823.21	
32 84 23 00-0287 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0226)					
32 84 23 00-0288	EA		15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	489.74	63.28
32 84 23 00-0289	EA		Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX).....	1,201.43	105.46
32 84 23 00-0290	EA		Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP).....	1,355.52	42.19
Note: Includes GFI and receptacle.					
32 84 23 00-0291	EA		Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1).....	1,624.96	31.64
Note: Includes factory installed transient protection board and AC line protection.					
32 84 23 00-0292	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	5,113.15	31.64
Note: Includes factory installed transient protection board and AC line protection.					
32 84 23 00-0293	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	5,777.34	31.64
Note: Includes factory installed transient protection board, AC line protection and dome antenna.					
32 84 23 00-0294	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D).....	8,377.38	63.28
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.					
32 84 23 00-0295	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R).....	8,781.84	63.28
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.					
32 84 23 00-0296	EA		Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM).....	285.22	
32 84 23 00-0297	EA		Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	922.81	
32 84 23 00-0298 Central Computer For Irrigation Control Systems (32 84 23 00-0226)					
32 84 23 00-0299	EA		Central Computer For Irrigation Control Systems (Calsense COMP-2).....	6,445.56	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.					
32 84 23 00-0300	EA		Command Center Water Management Software For Central Computer (Calsense COMM-1).....	11,420.04	
32 84 23 00-0301	EA		Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	2,188.26	
Note: Package price for up to 5 users. Includes remote communication through internet connection.					
32 84 23 00-0302	EA		>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10).....	4,317.45	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.					
32 84 23 00-0303	EA		Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2).....	6,954.55	
32 84 23 00-0304	EA		GPRS Radio For Use At Central Computer (Calsense DTR-G).....	4,160.08	
32 84 23 00-0305 Data Access Service (32 84 23 00-0226)					
32 84 23 00-0306	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN).....	35.22	
Note: For communication between GPRS unit and up to 2 controllers.					
32 84 23 00-0307	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR).....	385.19	
Note: For communication between GPRS unit and up to 2 controllers.					
32 84 23 00-0308	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR).....	1,650.82	
Note: For communication between GPRS unit and up to 2 controllers.					
32 84 23 00-0309	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....	143.07	
Note: For communication between GPRS unit and multiple controllers.					
32 84 23 00-0310	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	1,540.77	
Note: For communication between GPRS unit and multiple controllers.					
32 84 23 00-0311	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	6,603.30	
Note: For communication between GPRS unit and multiple controllers.					
32 84 23 00-0312 Communication Options For Irrigation Controllers (32 84 23 00-0226)					
32 84 23 00-0313	EA		FCC License Fee (Calsense).....	229.28	
32 84 23 00-0314	EA		P.C.I.A. And/or A.P.C.O. Fee (Calsense).....	449.39	
Note: Per frequency or frequency pair.					
32 84 23 00-0315	EA		Hardware Communication Option For Irrigation Controllers (Calsense M).....	1,276.64	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.					

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0316 EA Phone Line Communication Option For Irrigation Controllers (Calsense R).....	1,342.67	
32 84 23 00-0317 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	1,342.67	
32 84 23 00-0318 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	2,751.38	
32 84 23 00-0319 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	3,499.75	
32 84 23 00-0320 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	3,499.75	
32 84 23 00-0321 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	3,499.75	
32 84 23 00-0322 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM).....	11,225.61	
32 84 23 00-0323 EA Communication Hub For Irrigation Controllers (Calsense HUB).....	4,317.83	
Note: Accepts up to two communication options. Excludes communication options.		
32 84 23 00-0324 Retrofit Options For Irrigation Controllers (32 84 23 00-0226)		
32 84 23 00-0325 Weather Retrofits For Irrigation Controllers (32 84 23 00-0324)		
32 84 23 00-0326 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO).....	1,702.19	
32 84 23 00-0327 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO).....	1,702.19	
32 84 23 00-0328 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO).....	1,702.19	
32 84 23 00-0329 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO).....	1,702.19	
32 84 23 00-0330 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0324)		
32 84 23 00-0331 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO).....	1,790.23	
32 84 23 00-0332 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	2,120.40	
32 84 23 00-0333 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....	3,408.04	
32 84 23 00-0334 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0324)		
32 84 23 00-0335 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	2,010.34	
32 84 23 00-0336 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	4,255.46	
32 84 23 00-0337 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	5,532.10	
32 84 23 00-0338 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0324)		
32 84 23 00-0339 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	2,010.34	
32 84 23 00-0340 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	4,255.46	
32 84 23 00-0341 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	5,532.10	
32 84 23 00-0342 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0324)		
32 84 23 00-0343 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	2,010.34	
32 84 23 00-0344 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	2,120.40	
32 84 23 00-0345 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	3,408.04	
32 84 23 00-0346 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0324)		
32 84 23 00-0347 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	2,010.34	
32 84 23 00-0348 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	4,255.46	
32 84 23 00-0349 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO).....	5,532.10	
32 84 23 00-0350 Radio Remote Units For Irrigation Controllers (32 84 23 00-0226)		
32 84 23 00-0351 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	2,021.35	
32 84 23 00-0352 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe).....	435.82	
Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.		
32 84 23 00-0353 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG).....	187.09	
32 84 23 00-0354 EA Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	329.24	
32 84 23 00-0355 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT).....	208.18	10.55
Note: Excludes antenna cable.		
32 84 23 00-0356 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP).....	406.28	10.55
Note: Excludes antenna cable.		
32 84 23 00-0357 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome).....	439.30	10.55
Note: Excludes antenna cable.		
32 84 23 00-0358 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0120)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0359 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	4,715.19	189.84
32 84 23 00-0360 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	4,972.55	200.39



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0361 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	6,925.82	210.93
32 84 23 00-0362 LEIT Controllers (32 84 23 00-0120)		
32 84 23 00-0363 LEIT X Series Irrigation Controller (32 84 23 00-0362)		
32 84 23 00-0364 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,444.43	33.75
32 84 23 00-0365 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,877.90	33.75
32 84 23 00-0366 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,578.74	33.75
32 84 23 00-0367 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,279.58	33.75
32 84 23 00-0368 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,772.11	33.75
32 84 23 00-0369 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,264.65	33.75
32 84 23 00-0370 LEIT X Series Irrigation Controller Assembly (32 84 23 00-0362)		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0371 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,004.62	176.96
32 84 23 00-0372 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,438.09	176.96
32 84 23 00-0373 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,138.93	176.96
32 84 23 00-0374 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,839.76	176.96
32 84 23 00-0375 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,332.29	176.96
32 84 23 00-0376 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,824.84	176.96
32 84 23 00-0377 Enclosure For LEIT Controller Assembly (32 84 23 00-0362)		
Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0378 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch	3,397.78	244.70
Note: For LEIT Controller		
32 84 23 00-0379 Hunter Controllers (32 84 23 00-0120)		
32 84 23 00-0380 Hunter XC Hybrid Controller (32 84 23 00-0379)		
Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0381 EA 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	720.65	84.38
32 84 23 00-0382 EA 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	917.42	105.46
32 84 23 00-0383 DC Latching Solenoid (32 84 23 00-0120)		
32 84 23 00-0384 EA DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers	39.03	
Note: As per manufacture of valve.		
32 84 23 00-0385 EA DC Solenoid For LEIT Controllers (DIG S-305DC)	62.49	
32 84 23 00-0386 Irrigation Controller Enclosure Cabinet (32 84 23 00-0120)		
Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0387 EA 35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,183.60	463.68
32 84 23 00-0388 EA 35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,433.91	505.83
32 84 23 00-0389 EA 35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,798.30	547.99
32 84 23 00-0390 EA 35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet	3,183.63	463.68
32 84 23 00-0391 EA 35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,433.91	505.83
32 84 23 00-0392 EA 35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,798.30	547.99
32 84 23 00-0393 EA 35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	3,980.95	463.68
32 84 23 00-0394 EA 35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,330.90	505.83
32 84 23 00-0395 EA 35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,695.28	547.99
32 84 23 00-0396 Irrigation Valves (32 84 23)		
32 84 23 00-0397 Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0396)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0398 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	870.91	58.19
32 84 23 00-0399 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,034.36	71.05
32 84 23 00-0400 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,550.68	82.69
32 84 23 00-0401 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,642.98	94.94
32 84 23 00-0402 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,976.09	122.50
32 84 23 00-0403 Brass Quick-Coupling Irrigation Valves (32 84 23 00-0396)		
32 84 23 00-0404 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	211.18	50.75
For Valve Key, Add		
	56.50	
32 84 23 00-0405 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	217.71	50.75
For Locking Cover, Add		
	25.00	
For Valve Key, Add		
	56.50	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0406	EA	1"	1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	289.59	50.75
			<i>For Valve Key, Add</i>	144.51	
32 84 23 00-0407	EA	1"	2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	315.72	50.75
			<i>For Valve Key, Add</i>	144.51	
32 84 23 00-0408	EA	1"	1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	303.42	50.75
32 84 23 00-0409	EA	1"	2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	315.72	50.75
32 84 23 00-0410			Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0396)		
			Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0411	EA	3/4"	Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	311.04	42.87
32 84 23 00-0412	EA	1"	Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	440.00	49.00
32 84 23 00-0413	EA	1-1/4"	Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	784.32	56.66
32 84 23 00-0414	EA	1-1/2"	Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	954.10	62.79
32 84 23 00-0415	EA	2"	Anti-Siphon Pressure Type Vacuum Breaker.....	967.60	76.57
32 84 23 00-0416			Aluminum Cam And Groove Adapter (32 84 23 00-0396)		
32 84 23 00-0417	EA	1-1/2"	Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread.....	52.52	
32 84 23 00-0418	EA	2"	Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread.....	55.42	
32 84 23 00-0419	EA	1-1/2"	Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread.....	53.78	
32 84 23 00-0420	EA	2"	Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread.....	57.77	
32 84 23 00-0421			Irrigation Piping (32 84 23)		
32 84 23 00-0422			Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0421)		
			Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0423			Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0422)		
32 84 23 00-0424	LF	1/2"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.46	1.41
			<i>For >1,000, Deduct</i>	-0.22	
32 84 23 00-0425	LF	3/4"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.50	1.76
			<i>For >1,000, Deduct</i>	-0.28	
32 84 23 00-0426	LF	1"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	6.79	2.11
			<i>For >1,000, Deduct</i>	-0.34	
32 84 23 00-0427	LF	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	9.17	2.67
			<i>For >1,000, Deduct</i>	-0.46	
32 84 23 00-0428	LF	2"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	11.65	3.36
			<i>For >1,000, Deduct</i>	-0.58	
32 84 23 00-0429	LF	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	15.38	3.92
			<i>For >1,000, Deduct</i>	-0.77	
32 84 23 00-0430	LF	3"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	20.94	5.64
			<i>For >1,000, Deduct</i>	-1.05	
32 84 23 00-0431	LF	4"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	27.82	7.05
			<i>For >1,000, Deduct</i>	-1.39	
32 84 23 00-0432	LF	6"	Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	41.22	8.81
			<i>For >1,000, Deduct</i>	-2.06	
32 84 23 00-0433			Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0422)		
32 84 23 00-0434	LF	3/4"	Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.05	1.76
			<i>For >1,000, Deduct</i>	-0.25	
32 84 23 00-0435	LF	1"	Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	6.05	2.11
			<i>For >1,000, Deduct</i>	-0.30	
32 84 23 00-0436	LF	1-1/2"	Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	8.65	2.67
			<i>For >1,000, Deduct</i>	-0.43	
32 84 23 00-0437	LF	2"	Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	11.22	3.36
			<i>For >1,000, Deduct</i>	-0.56	
32 84 23 00-0438	LF	2-1/2"	Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	14.72	3.92
			<i>For >1,000, Deduct</i>	-0.74	
32 84 23 00-0439	LF	3"	Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	20.69	5.64
			<i>For >1,000, Deduct</i>	-1.03	
32 84 23 00-0440	LF	4"	Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	29.21	7.05
			<i>For >1,000, Deduct</i>	-1.46	
32 84 23 00-0441	LF	6"	Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	49.99	8.81
			<i>For >1,000, Deduct</i>	-2.50	
32 84 23 00-0442			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0422)		
32 84 23 00-0443	LF	3/4"	Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.42	1.76
			<i>For >1,000, Deduct</i>	-0.27	
32 84 23 00-0444	LF	1"	Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	6.55	2.11
			<i>For >1,000, Deduct</i>	-0.33	
32 84 23 00-0445	LF	1-1/2"	Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	9.62	2.67
			<i>For >1,000, Deduct</i>	-0.48	
32 84 23 00-0446	LF	2"	Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	12.83	3.36
			<i>For >1,000, Deduct</i>	-0.64	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0447 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	17.30 -0.87	3.92
32 84 23 00-0448 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	20.94 -1.05	5.64
32 84 23 00-0449 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	27.82 -1.39	7.05
32 84 23 00-0450 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	42.08 -2.10	8.81
32 84 23 00-0451 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted <small>(32 84 23 00-0451)</small> Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
32 84 23 00-0452 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0451)</small>		
32 84 23 00-0453 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.65 -0.38	1.76
32 84 23 00-0454 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	8.96 -0.45	2.11
32 84 23 00-0455 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.33 -0.57	2.67
32 84 23 00-0456 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	13.81 -0.69	3.36
32 84 23 00-0457 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.54 -0.88	3.92
32 84 23 00-0458 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.11 -1.16	5.64
32 84 23 00-0459 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	29.97 -1.50	7.05
32 84 23 00-0460 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	43.37 -2.17	8.81
32 84 23 00-0461 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0451)</small>		
32 84 23 00-0462 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.92 -0.40	1.76
32 84 23 00-0463 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.22 -0.46	2.11
32 84 23 00-0464 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.59 -0.58	2.67
32 84 23 00-0465 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.07 -0.70	3.36
32 84 23 00-0466 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.79 -0.89	3.92
32 84 23 00-0467 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.36 -1.17	5.64
32 84 23 00-0468 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	30.23 -1.51	7.05
32 84 23 00-0469 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	43.64 -2.18	8.81
32 84 23 00-0470 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0451)</small>		
32 84 23 00-0471 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	8.18 -0.41	1.76
32 84 23 00-0472 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.48 -0.47	2.11
32 84 23 00-0473 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.85 -0.59	2.67
32 84 23 00-0474 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.34 -0.72	3.36
32 84 23 00-0475 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	18.06 -0.90	3.92
32 84 23 00-0476 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.63 -1.18	5.64
32 84 23 00-0477 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	30.50 -1.53	7.05
32 84 23 00-0478 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	43.90 -2.20	8.81
32 84 23 00-0479 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0451)</small>		
32 84 23 00-0480 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.42 -0.37	1.76
32 84 23 00-0481 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	8.57 -0.43	2.11
32 84 23 00-0482 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.36 -0.57	2.67

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0483	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	14.58	3.36
			<i>For >1,000, Deduct</i>	-0.73	
32 84 23 00-0484	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	18.81	3.92
			<i>For >1,000, Deduct</i>	-0.94	
32 84 23 00-0485	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	22.85	5.64
			<i>For >1,000, Deduct</i>	-1.14	
32 84 23 00-0486	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	31.36	7.05
			<i>For >1,000, Deduct</i>	-1.57	
32 84 23 00-0487	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	52.14	8.81
			<i>For >1,000, Deduct</i>	-2.61	
32 84 23 00-0488			Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0481)</small>		
32 84 23 00-0489	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.69	1.76
			<i>For >1,000, Deduct</i>	-0.38	
32 84 23 00-0490	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	8.83	2.11
			<i>For >1,000, Deduct</i>	-0.44	
32 84 23 00-0491	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.62	2.67
			<i>For >1,000, Deduct</i>	-0.58	
32 84 23 00-0492	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	14.84	3.36
			<i>For >1,000, Deduct</i>	-0.74	
32 84 23 00-0493	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	19.06	3.92
			<i>For >1,000, Deduct</i>	-0.95	
32 84 23 00-0494	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	23.10	5.64
			<i>For >1,000, Deduct</i>	-1.16	
32 84 23 00-0495	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	31.62	7.05
			<i>For >1,000, Deduct</i>	-1.58	
32 84 23 00-0496	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	52.41	8.81
			<i>For >1,000, Deduct</i>	-2.62	
32 84 23 00-0497			Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0481)</small>		
32 84 23 00-0498	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	7.95	1.76
			<i>For >1,000, Deduct</i>	-0.40	
32 84 23 00-0499	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.09	2.11
			<i>For >1,000, Deduct</i>	-0.45	
32 84 23 00-0500	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.88	2.67
			<i>For >1,000, Deduct</i>	-0.59	
32 84 23 00-0501	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	15.11	3.36
			<i>For >1,000, Deduct</i>	-0.76	
32 84 23 00-0502	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	19.33	3.92
			<i>For >1,000, Deduct</i>	-0.97	
32 84 23 00-0503	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	23.37	5.64
			<i>For >1,000, Deduct</i>	-1.17	
32 84 23 00-0504	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	31.89	7.05
			<i>For >1,000, Deduct</i>	-1.59	
32 84 23 00-0505	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	52.67	8.81
			<i>For >1,000, Deduct</i>	-2.63	
32 84 23 00-0506			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0481)</small>		
32 84 23 00-0507	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.58	1.76
			<i>For >1,000, Deduct</i>	-0.38	
32 84 23 00-0508	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	8.72	2.11
			<i>For >1,000, Deduct</i>	-0.44	
32 84 23 00-0509	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.78	2.67
			<i>For >1,000, Deduct</i>	-0.59	
32 84 23 00-0510	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	14.99	3.36
			<i>For >1,000, Deduct</i>	-0.75	
32 84 23 00-0511	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	19.46	3.92
			<i>For >1,000, Deduct</i>	-0.97	
32 84 23 00-0512	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	23.11	5.64
			<i>For >1,000, Deduct</i>	-1.16	
32 84 23 00-0513	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.97	7.05
			<i>For >1,000, Deduct</i>	-1.50	
32 84 23 00-0514	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	44.23	8.81
			<i>For >1,000, Deduct</i>	-2.21	



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

32 84 23 00-0515			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0451)</small>		
32 84 23 00-0516	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.85	1.76
			<i>For >1,000, Deduct</i>	-0.39	
32 84 23 00-0517	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	8.98	2.11
			<i>For >1,000, Deduct</i>	-0.45	
32 84 23 00-0518	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.04	2.67
			<i>For >1,000, Deduct</i>	-0.60	
32 84 23 00-0519	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	15.25	3.36
			<i>For >1,000, Deduct</i>	-0.76	
32 84 23 00-0520	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	19.71	3.92
			<i>For >1,000, Deduct</i>	-0.99	
32 84 23 00-0521	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	23.36	5.64
			<i>For >1,000, Deduct</i>	-1.17	
32 84 23 00-0522	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	30.23	7.05
			<i>For >1,000, Deduct</i>	-1.51	
32 84 23 00-0523	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	44.50	8.81
			<i>For >1,000, Deduct</i>	-2.23	
32 84 23 00-0524			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0451)</small>		
32 84 23 00-0525	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.11	1.76
			<i>For >1,000, Deduct</i>	-0.41	
32 84 23 00-0526	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.24	2.11
			<i>For >1,000, Deduct</i>	-0.46	
32 84 23 00-0527	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.30	2.67
			<i>For >1,000, Deduct</i>	-0.62	
32 84 23 00-0528	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	15.52	3.36
			<i>For >1,000, Deduct</i>	-0.78	
32 84 23 00-0529	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	19.98	3.92
			<i>For >1,000, Deduct</i>	-1.00	
32 84 23 00-0530	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	23.63	5.64
			<i>For >1,000, Deduct</i>	-1.18	
32 84 23 00-0531	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	30.50	7.05
			<i>For >1,000, Deduct</i>	-1.53	
32 84 23 00-0532	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	44.76	8.81
			<i>For >1,000, Deduct</i>	-2.24	
32 84 23 00-0533			Irrigation Riser Piping With Fittings <small>(32 84 23 00-0421)</small>		
32 84 23 00-0534	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV	21.83	4.23
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0535	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV	23.93	5.29
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0536	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV	23.69	4.94
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0537	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV	26.25	6.16
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0538	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I	46.55	7.40
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0539	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I	50.19	9.25
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0540	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I	55.08	9.51
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0541	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I	59.77	11.90
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0542	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I	63.62	11.63
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0543	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I	69.36	14.54
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0544			Irrigation Crossover Piping With Fittings <small>(32 84 23 00-0421)</small>		
			Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0588 for irrigation wiring.		
32 84 23 00-0545			Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench <small>(32 84 23 00-0544)</small>		
32 84 23 00-0546	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	59.87	
			<i>For >1,000, Deduct</i>	-2.99	
32 84 23 00-0547	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	86.30	
			<i>For >1,000, Deduct</i>	-4.32	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0548 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	120.87	
<i>For >1,000, Deduct</i>	-6.04	
32 84 23 00-0549 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	161.07	
<i>For >1,000, Deduct</i>	-8.05	
32 84 23 00-0550 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench <small>(32 84 23 00-0544)</small>		
32 84 23 00-0551 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	60.66	
<i>For >1,000, Deduct</i>	-3.03	
32 84 23 00-0552 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	87.18	
<i>For >1,000, Deduct</i>	-4.36	
32 84 23 00-0553 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	121.83	
<i>For >1,000, Deduct</i>	-6.09	
32 84 23 00-0554 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	162.11	
<i>For >1,000, Deduct</i>	-8.11	
32 84 23 00-0555 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench <small>(32 84 23 00-0544)</small>		
32 84 23 00-0556 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation.....	61.44	
<i>For >1,000, Deduct</i>	-3.07	
32 84 23 00-0557 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	88.05	
<i>For >1,000, Deduct</i>	-4.40	
32 84 23 00-0558 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	122.79	
<i>For >1,000, Deduct</i>	-6.14	
32 84 23 00-0559 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	163.16	
<i>For >1,000, Deduct</i>	-8.16	
32 84 23 00-0560 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore <small>(32 84 23 00-0544)</small>		
32 84 23 00-0561 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	115.04	
<i>For >1,000, Deduct</i>	-5.75	
32 84 23 00-0562 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	152.64	
<i>For >1,000, Deduct</i>	-7.63	
32 84 23 00-0563 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	192.70	
<i>For >1,000, Deduct</i>	-9.64	
32 84 23 00-0564 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	238.40	
<i>For >1,000, Deduct</i>	-11.92	
32 84 23 00-0565 Below Ground Cam Adapter Assembly <small>(32 84 23 00-0421)</small>		
Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0566 EA Below Ground Cam Adapter Assembly.....	888.88	
Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0567 Above Ground Cam Adapter Assembly <small>(32 84 23 00-0421)</small>		
Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0568 EA Above Ground Cam Adapter Assembly	557.59	
Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0569 Thrust Block <small>(32 84 23 00-0421)</small>		
32 84 23 00-0570 EA Thrust Block For 1-1/2" Pipe Size And Smaller.....	40.48	
32 84 23 00-0571 EA Thrust Block For 2" Pipe	70.41	
32 84 23 00-0572 EA Thrust Block For 3" And 4" Pipe	100.36	
32 84 23 00-0573 EA Thrust Block For 6" Pipe	160.75	
32 84 23 00-0574 EA Thrust Block For 8" Pipe	231.07	
32 84 23 00-0575 Irrigation Swing Joints <small>(32 84 23)</small>		
32 84 23 00-0576 EA 3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	80.51	28.06
32 84 23 00-0577 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	91.57	31.32
32 84 23 00-0578 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	122.32	31.32
32 84 23 00-0579 EA 1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	58.79	36.57
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0580 EA 3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	78.52	48.78
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0581 EA 1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	98.50	59.82
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0582 EA 1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type II	83.69	37.14
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0583 EA 3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	110.63	49.27
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0584 EA 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	135.93	60.43
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0585 EA 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	47.14	22.74
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0586 EA 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	62.98	30.33
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0587 EA 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	74.58	37.60
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0588 Irrigation Control Wire (32 84 23)		
Note: Excludes excavation and backfill.		
32 84 23 00-0589 18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0588)		
32 84 23 00-0590 CLF 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	62.66	21.15
32 84 23 00-0591 CLF 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	81.02	24.67
32 84 23 00-0592 CLF 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	93.16	28.20
32 84 23 00-0593 CLF 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	106.44	31.72
32 84 23 00-0594 CLF 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	120.82	35.25
32 84 23 00-0595 CLF 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	143.17	38.77
32 84 23 00-0596 CLF 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	164.63	42.29
32 84 23 00-0597 CLF 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	178.83	45.81
32 84 23 00-0598 CLF 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	196.00	49.34
32 84 23 00-0599 CLF 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	215.52	52.86
32 84 23 00-0600 CLF 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	223.68	56.39
32 84 23 00-0601 CLF 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	232.98	59.91
32 84 23 00-0602 CLF 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	245.89	63.44
32 84 23 00-0603 16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0588)		
32 84 23 00-0604 CLF 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	65.67	21.15
32 84 23 00-0605 14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0588)		
32 84 23 00-0606 CLF 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	65.67	21.15
32 84 23 00-0607 12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0588)		
32 84 23 00-0608 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	85.57	21.15
32 84 23 00-0609 10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0588)		
32 84 23 00-0610 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	110.78	21.15
32 84 23 00-0611 Root Watering Systems (32 84 23)		
Note: Includes swing assembly.		
32 84 23 00-0612 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	129.74	28.20
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0613 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	139.91	28.20
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0614 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	129.74	28.20
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0615 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	139.91	28.20
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0616 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	139.91	28.20
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0617 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	112.60	24.67
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0618 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	122.36	24.67
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0619 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	112.60	24.67
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0620 EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	122.36	24.67
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0621 EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401).....	75.94	21.15
For Root Watering Sand Sock, Add	1.59	
32 84 23 00-0622 EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	85.24	21.15
For Root Watering Sand Sock, Add	1.59	

32 90 Planting ⁽³²⁾

32 Exterior Improvements**32 90 Planting****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation (32 90)**32 91 13 Soil Preparation** (32 91)**32 91 13 16 Mulching** (32 91 13)**32 91 13 16-0001****Mulch** (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	124.35
		<i>For >5 To 20, Deduct</i>	-9.75
		<i>For >20 To 50, Deduct</i>	-14.62
		<i>For >50, Deduct</i>	-20.84
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	339.95
		<i>For >5 To 20, Deduct</i>	-20.53
		<i>For >20 To 50, Deduct</i>	-30.79
		<i>For >50, Deduct</i>	-47.79
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	192.31
		<i>For >5 To 20, Deduct</i>	-13.15
		<i>For >20 To 50, Deduct</i>	-19.72
		<i>For >50, Deduct</i>	-29.33
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	133.81
		<i>For >5 To 20, Deduct</i>	-10.22
		<i>For >20 To 50, Deduct</i>	-15.33
		<i>For >50, Deduct</i>	-22.02
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	131.28
		<i>For >5 To 20, Deduct</i>	-10.09
		<i>For >20 To 50, Deduct</i>	-15.14
		<i>For >50, Deduct</i>	-21.70
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0007	CY	Pine Wood Chip Mulch	126.22
		<i>For >5 To 20, Deduct</i>	-9.84
		<i>For >20 To 50, Deduct</i>	-14.76
		<i>For >50, Deduct</i>	-21.07
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0008	CY	Hardwood Chip Mulch	136.34
		<i>For >5 To 20, Deduct</i>	-10.35
		<i>For >20 To 50, Deduct</i>	-15.52
		<i>For >50, Deduct</i>	-22.34
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0009	CY	Shredded Hardwood Mulch	136.34
		<i>For >5 To 20, Deduct</i>	-10.35
		<i>For >20 To 50, Deduct</i>	-15.52
		<i>For >50, Deduct</i>	-22.34
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0010	CY	Shredded Pine Mulch	113.58
		<i>For >5 To 20, Deduct</i>	-9.21
		<i>For >20 To 50, Deduct</i>	-13.81
		<i>For >50, Deduct</i>	-19.49
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0011	CY	Shredded Cedar Mulch	162.89
		<i>For >5 To 20, Deduct</i>	-11.67
		<i>For >20 To 50, Deduct</i>	-17.51
		<i>For >50, Deduct</i>	-25.66
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0012	CY	Shredded Cypress Mulch	159.10
		<i>For >5 To 20, Deduct</i>	-11.48
		<i>For >20 To 50, Deduct</i>	-17.23
		<i>For >50, Deduct</i>	-25.18
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0013	CY	Shredded Redwood Mulch	169.21
		<i>For >5 To 20, Deduct</i>	-11.99
		<i>For >20 To 50, Deduct</i>	-17.99
		<i>For >50, Deduct</i>	-26.45
		<i>For Work On Slopes >2.5:1, Add</i>	14.12
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	266.64
		<i>For >5 To 20, Deduct</i>	-17.81
		<i>For >20 To 50, Deduct</i>	-26.72
		<i>For >50, Deduct</i>	-40.05
		<i>For Work On Slopes >2.5:1, Add</i>	17.92
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	441.12
		<i>For >5 To 20, Deduct</i>	-26.54
		<i>For >20 To 50, Deduct</i>	-39.81
		<i>For >50, Deduct</i>	-61.86
		<i>For Work On Slopes >2.5:1, Add</i>	17.92



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0016 CY Shredded Recycled Tire Mulch.....	443.65	
For >5 To 20, Deduct	-26.66	
For >20 To 50, Deduct	-40.00	
For >50, Deduct	-62.18	
For Work On Slopes >2.5:1, Add	17.92	
32 91 13 16-0017 CY Shredded Colored Recycled Tire Mulch	792.63	
For >5 To 20, Deduct	-44.11	
For >20 To 50, Deduct	-66.17	
For >50, Deduct	-105.80	
For Work On Slopes >2.5:1, Add	17.92	
32 91 13 16-0018 EA Pine Straw Mulch Bale.....	12.73	
Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.47	
For Work On Slopes >2.5:1, Add	0.78	
32 91 13 16-0019 EA Wheat Straw Mulch Bale	13.32	
Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.48	
For Work On Slopes >2.5:1, Add	0.59	
32 91 13 16-0020 Compost Soil Amendment (AgriService) ^(32 91 13 16)		
Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 91 13 16-0021 CY Humic Compost (OIM)	90.87	
Note: (Agri Service or Equal)		
For Work On Slopes >2.5:1, Add	14.12	
For >100 To 1,000, Deduct	-15.13	
For >1,000, Deduct	-23.21	
32 91 13 26 Planting Beds ^(32 91 13)		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001 Plant Bed Preparation ^(32 91 13 26)		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002 SF Up To 8" Deep, Prepare And Mix Plant Bed, By Machine	1.09	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.22	
32 91 13 26-0003 SF >8" To 13" Deep, Prepare And Mix Plant Bed, By Machine.....	1.26	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.25	
32 91 13 26-0004 SF >13" To 18" Deep, Prepare And Mix Plant Bed, By Machine.....	1.49	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.30	
32 91 13 26-0005 SF Up To 8" Deep, Prepare And Mix Plant Bed By Hand	4.88	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.98	
32 91 13 26-0006 SF >8" To 13" Deep, Prepare And Mix Plant Bed By Hand.....	5.61	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.12	
32 91 13 26-0007 SF >13" To 18" Deep, Prepare And Mix Plant Bed By Hand.....	6.59	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.32	
32 91 13 26-0008 Plant Bed Preparation With Humic Compost ^(32 91 13 26)		
32 91 13 26-0009 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF).....	1.21	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.23	
For >1,000 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.58	
For >20,000, Deduct	-0.81	
32 91 13 26-0010 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF).....	1.50	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.28	
For >1,000 To 5,000, Deduct	-0.21	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 20,000, Deduct	-0.70	
For >20,000, Deduct	-0.98	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0011 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF).....	1.79	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.32	
For >1,000 To 5,000, Deduct	-0.24	
For >5,000 To 10,000, Deduct	-0.40	
For >10,000 To 20,000, Deduct	-0.81	
For >20,000, Deduct	-1.15	
32 91 13 26-0012 Planting Pit Preparation (32 91 13 26)		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013 CY Excavate Planting Pit By Hand, Sandy Soil	84.38	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	16.88	
32 91 13 26-0014 CY Excavate Planting Pit By Hand, Heavy Soil	168.75	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	33.75	
32 91 13 26-0015 CY Excavate Planting Pit By Machine, Sandy Soil	13.88	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.78	
32 91 13 26-0016 CY Excavate Planting Pit By Machine, Heavy Soil	18.06	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	3.61	
32 91 13 26-0017 CY Backfill Planting Pit By Hand With Topsoil From Stockpile	74.98	
For Work On Slopes >2.5:1, Add	15.00	
32 91 13 26-0018 CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	187.11	
For Work On Slopes >2.5:1, Add	13.96	
32 91 13 26-0019 CY Backfill Planting Pit By Machine, With Topsoil From Stockpile	7.42	
For Work On Slopes >2.5:1, Add	1.48	
32 91 13 26-0020 CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	137.01	
For Work On Slopes >2.5:1, Add	3.94	
32 91 13 26-0021 Weed Barrier (32 91 13 26)		
32 91 13 26-0022 SY Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier	2.32	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 26-0023 SY 4 Oz/SY Woven, Polypropylene Weed Barrier.....	3.18	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 26-0024 SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	3.55	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 33 Soil Conditioners (32 91 13)		
32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)		
32 91 13 33-0002 SY Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.43	
32 91 13 33-0003 MSF Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	40.77	
32 91 13 33-0004 MSF Fertilizer, 20 LB/MSF, Push Spreader.....	7.06	
32 91 13 33-0005 MSF Fertilizer, 20 LB/MSF, Tractor Spread	3.03	
32 91 13 33-0006 MSF Fertilizer, 20 LB/MSF, Truck Spread	5.55	
32 91 13 33-0007 SY Pelletized Lime, 1 LB/SY, Push Spreader.....	0.10	
32 91 13 33-0008 MSF Pelitized Lime, 110 LB/MSF, Tractor Spreader.....	7.73	
32 91 13 33-0009 SY Perlite, 1" Deep, Push Spreader.....	3.71	
32 91 13 33-0010 MSF Perlite, 1" Deep, Tractor Spreader.....	385.45	
32 91 13 33-0011 SY Vermiculite, Push Spreader	3.44	
32 91 13 33-0012 MSF Vermiculite, Tractor Spreader	376.52	
32 91 13 33-0013 SY Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader	0.22	
32 91 13 33-0014 MSF Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader	20.24	
32 91 13 36 Lawn Bed Preparation (32 91 13)		
32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)		
32 91 13 36-0002 MSF Rake Topsoil With Machine	86.04	
32 91 13 36-0003 MSF Rake Topsoil By Hand	67.49	
32 91 13 36-0004 MSF Screen Loam By Hand.....	44.99	
32 91 13 36-0005 SY Roll Topsoil With Machine	1.12	
32 91 13 36-0006 SY Roll Topsoil By Hand	3.01	
32 91 13 36-0007 MSF Removal Of Rocks And Debris With Machine.....	10.17	
32 91 13 36-0008 MSF Removal Of Rocks And Debris By Hand.....	31.31	
32 91 13 36-0009 MSF Root Raking And Loading, No Boulders	53.24	
For >45 to 225, Deduct	-37.27	
For >225, Deduct	-47.92	
32 91 13 36-0010 MSF Root Raking And Loading, With Boulders.....	88.74	
For >45 to 225, Deduct	-62.12	
For >225, Deduct	-79.87	
32 91 13 36-0011 MSF Up To 6" Deep Tilling Topsoil With Tractor.....	4.80	
32 91 13 36-0012 MSF >6" To 12" Deep Tilling Topsoil With Tractor	9.74	
For Work On Slopes >2.5:1, Add	1.95	
32 91 13 36-0013 SY Up To 2" Deep Tilling Topsoil With Rototiller	0.72	
32 91 13 36-0014 SY >2" To 4" Deep Tilling Topsoil With Rototiller	0.86	
32 91 13 36-0015 SY >4" To 6" Deep Tilling Topsoil With Rototiller	1.08	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0016 LF "V" Cut Soil For Edge Of Planting Beds.....	1.20	
32 91 13 36-0017 Sod Removal <small>(32 91 13 36)</small>		
32 91 13 36-0018 SY Removal Of Sod By Hand.....	5.69	
<i>For Work On Slopes >2.5:1, Add</i>	1.14	
32 91 13 36-0019 SY Removal Of Sod With Machine.....	0.65	
<i>For Work On Slopes >2.5:1, Add</i>	0.13	
32 91 13 36-0020 SY Pile Sod By Hand.....	3.37	
<i>For Work On Slopes >2.5:1, Add</i>	0.67	
32 91 13 36-0021 SY Pile Sod With Machine.....	1.22	
<i>For Work On Slopes >2.5:1, Add</i>	0.24	
32 91 19 Landscape Grading <small>(32 91)</small>		
32 91 19 13 Topsoil Placement and Grading <small>(32 91 19)</small>		
32 91 19 13-0001 Remove And Stockpile Topsoil On Site <small>(32 91 19 13)</small>		
32 91 19 13-0002 CY Removal Of Topsoil, 4" Deep Stockpile On Site.....	5.23	
32 91 19 13-0003 CY Removal Of Topsoil, 6" Deep Stockpile On Site.....	5.17	
32 91 19 13-0004 Screening Topsoil <small>(32 91 19 13)</small>		
32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	11.22	
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material.....	7.48	
32 91 19 13-0007 Spreading Topsoil From Stockpile <small>(32 91 19 13)</small>		
32 91 19 13-0008 CY Spread Topsoil By Machine From Stockpile.....	8.30	
32 91 19 13-0009 CY Spread Topsoil By Hand From Stockpile.....	64.40	
32 91 19 13-0010 Furnish And Place Imported Screened Topsoil <small>(32 91 19 13)</small>		
<i>Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.</i>		
32 91 19 13-0011 SY Furnish And Place Imported Screened Topsoil, 2" Deep.....	6.89	
<i>For Unscreened, Deduct</i>	-1.23	
32 91 19 13-0012 SY Furnish And Place Imported Screened Topsoil, 4" Deep.....	13.45	
<i>For Unscreened, Deduct</i>	-2.46	
32 91 19 13-0013 SY Furnish And Place Imported Screened Topsoil, 6" Deep.....	19.77	
<i>For Unscreened, Deduct</i>	-3.69	
32 91 19 13-0014 SY Furnish And Place Imported Screened Topsoil, 9" Deep.....	29.04	
<i>For Unscreened, Deduct</i>	-5.53	
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 12" Deep.....	38.31	
<i>For Unscreened, Deduct</i>	-7.37	
32 91 19 13-0016 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep.....	109.51	
<i>For Unscreened, Deduct</i>	-22.12	
32 91 19 13-0017 Scarify Soil For Planting Preparation <small>(32 91 19 13)</small>		
<i>Note: Ripped in multiple directions with 3" maximum clods.</i>		
32 91 19 13-0018 MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine.....	64.92	
32 91 19 13-0019 MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine.....	45.44	
32 91 19 13-0020 MSF >20,000 SF Scarify Up To 8" Soil With Machine.....	26.75	
32 92 Turf and Grasses <small>(32 90)</small>		
32 92 16 Plugging <small>(32 92)</small>		
32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep <small>(32 92 16)</small>		
<i>Note: Includes fine grade and soil preparation.</i>		
32 92 16 00-0002 6" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center.....	221.31	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center.....	33.33	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center.....	25.68	
32 92 16 00-0006 9" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center.....	169.69	
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center.....	25.95	
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center.....	19.21	
32 92 16 00-0010 12" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0011 MSF Plugging By Hand, 12" On Center.....	142.28	
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center.....	17.42	
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center.....	12.23	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 92 19 Seeding (32 92)**32 92 19 13 Mechanical Seeding** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF Common Bluegrass, Tractor Spreader	48.86
	Note: 4 LB/MSF spread rate.	
32 92 19 13-0003	MSF Tall Fescue, Tractor Spreader	38.05
	Note: 5.5 LB/MSF spread rate.	
32 92 19 13-0004	MSF Rye, Tractor Spreader	38.81
	Note: 10 LB/MSF spread rate.	
32 92 19 13-0005	MSF Shade Mix, Tractor Spreader	42.71
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
32 92 19 13-0006	MSF Turf Mix, Tractor Spreader	45.51
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
32 92 19 13-0007	MSF Slope Mix, Tractor Spreader	41.78
	Note: 6 LB/MSF spread rate.	
32 92 19 13-0008	MSF Utility Mix, Tractor Spreader	37.13
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
32 92 19 13-0009	MSF Wild Flower Mix, Tractor Spreader	28.35
	Note: 0.10 LB/MSF spread rate.	
32 92 19 13-0010	MSF Crown Vetch Mix, Tractor Spreader	97.72
	Note: 4 LB/MSF spread rate.	
32 92 19 13-0011	MSF Athletic Mix, Tractor Spreader	56.70
	Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
32 92 19 13-0012	MSF White Clover Mix, Tractor Spreader	28.26
	Note: 7 LB/MSF spread rate.	
32 92 19 13-0013	MSF Ladino Clover Mix, Tractor Spreader	31.99
	Note: 7 LB/MSF spread rate.	

32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)

32 92 19 13-0015	MSF Common Bluegrass, Hydro Or Air Seeding	98.57
	Note: 4 LB/MSF spread rate.	
	<i>For Spot Areas Up To 1, Add</i>	100.68
	<i>For >1 To 4, Add</i>	64.26
	<i>For >4 To 7.5, Add</i>	43.27
	<i>For >7.5 To 10, Add</i>	21.63
	<i>For >45, Deduct</i>	-7.71
	<i>For Tackifier, Add</i>	1.43
32 92 19 13-0016	MSF Tall Fescue, Hydro Or Air Seeding	105.10
	Note: 5.5 LB/MSF spread rate.	
	<i>For Spot Areas Up To 1, Add</i>	103.29
	<i>For >1 To 4, Add</i>	65.56
	<i>For >4 To 7.5, Add</i>	43.92
	<i>For >7.5 To 10, Add</i>	21.96
	<i>For >45, Deduct</i>	-8.04
	<i>For Tackifier, Add</i>	1.43
32 92 19 13-0017	MSF Rye, Hydro Or Air Spread	98.84
	Note: 10 LB/MSF spread rate.	
	<i>For Spot Areas Up To 1, Add</i>	100.78
	<i>For >1 To 4, Add</i>	64.31
	<i>For >4 To 7.5, Add</i>	43.29
	<i>For >7.5 To 10, Add</i>	21.65
	<i>For >45, Deduct</i>	-7.73
	<i>For Tackifier, Add</i>	1.43
32 92 19 13-0018	MSF Shade Mix, Hydro Or Air Seeding	98.57
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
	<i>For Spot Areas Up To 1, Add</i>	100.68
	<i>For >1 To 4, Add</i>	64.26
	<i>For >4 To 7.5, Add</i>	43.27
	<i>For >7.5 To 10, Add</i>	21.63
	<i>For >45, Deduct</i>	-7.71
	<i>For Tackifier, Add</i>	1.43
32 92 19 13-0019	MSF Turf Mix, Hydro Or Air Seeding	105.10
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
	<i>For Spot Areas Up To 1, Add</i>	103.29
	<i>For >1 To 4, Add</i>	65.56
	<i>For >4 To 7.5, Add</i>	43.92
	<i>For >7.5 To 10, Add</i>	21.96
	<i>For >45, Deduct</i>	-8.04
	<i>For Tackifier, Add</i>	1.43
32 92 19 13-0020	MSF Slope Mix, Hydro Or Air Seeding	102.30
	Note: 6 LB/MSF spread rate.	
	<i>For Spot Areas Up To 1, Add</i>	102.17
	<i>For >1 To 4, Add</i>	65.00
	<i>For >4 To 7.5, Add</i>	43.64
	<i>For >7.5 To 10, Add</i>	21.82
	<i>For >45, Deduct</i>	-7.90
	<i>For Tackifier, Add</i>	1.43



		Exterior Improvements	32
		Planting	32 90
		Turf and Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding	100.04	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For Spot Areas Up To 1, Add	101.26	
For >1 To 4, Add	64.55	
For >4 To 7.5, Add	43.41	
For >7.5 To 10, Add	21.71	
For >45, Deduct	-7.79	
For Tackifier, Add	1.43	
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding	92.78	
Note: 0.10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	98.36	
For >1 To 4, Add	63.10	
For >4 To 7.5, Add	42.69	
For >7.5 To 10, Add	21.34	
For >45, Deduct	-7.42	
For Tackifier, Add	1.43	
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding.....	158.24	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	124.54	
For >1 To 4, Add	76.19	
For >4 To 7.5, Add	49.23	
For >7.5 To 10, Add	24.62	
For >45, Deduct	-10.70	
For Tackifier, Add	1.43	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding	137.75	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1, Add	116.35	
For >1 To 4, Add	72.09	
For >4 To 7.5, Add	47.18	
For >7.5 To 10, Add	23.59	
For >45, Deduct	-9.67	
For Tackifier, Add	1.43	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	83.93	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	94.82	
For >1 To 4, Add	61.33	
For >4 To 7.5, Add	41.80	
For >7.5 To 10, Add	20.90	
For >45, Deduct	-6.98	
For Tackifier, Add	1.43	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	94.84	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	99.18	
For >1 To 4, Add	63.51	
For >4 To 7.5, Add	42.89	
For >7.5 To 10, Add	21.45	
For >45, Deduct	-7.53	
For Tackifier, Add	1.43	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	100.43	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	101.42	
For >1 To 4, Add	64.63	
For >4 To 7.5, Add	43.45	
For >7.5 To 10, Add	21.73	
For >45, Deduct	-7.81	
For Tackifier, Add	1.43	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium	131.93	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-7.99	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium	154.15	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-9.17	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium	176.45	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-10.36	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium	198.78	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-11.55	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium	221.22	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-12.75	
32 92 19 19 Seeding by Hand <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 19-0001 Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
Note: Excludes straw.		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	110.09	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-7.61	
For >20 To 45, Deduct	-14.58	
For >45, Deduct	-23.66	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19	19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 LB/MSF spread rate.	99.28	
			<i>For >5 To 20, Deduct</i>	-7.07	
			<i>For >20 To 45, Deduct</i>	-13.77	
			<i>For >45, Deduct</i>	-22.58	
32 92 19	19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 LB/MSF spread rate.	100.04	
			<i>For >5 To 20, Deduct</i>	-7.11	
			<i>For >20 To 45, Deduct</i>	-13.83	
			<i>For >45, Deduct</i>	-22.66	
32 92 19	19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	103.94	
			<i>For >5 To 20, Deduct</i>	-7.31	
			<i>For >20 To 45, Deduct</i>	-14.12	
			<i>For >45, Deduct</i>	-23.05	
32 92 19	19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	106.74	
			<i>For >5 To 20, Deduct</i>	-7.45	
			<i>For >20 To 45, Deduct</i>	-14.33	
			<i>For >45, Deduct</i>	-23.33	
32 92 19	19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	103.01	
			<i>For >5 To 20, Deduct</i>	-7.26	
			<i>For >20 To 45, Deduct</i>	-14.05	
			<i>For >45, Deduct</i>	-22.96	
32 92 19	19-0008	MSF	Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	98.36	
			<i>For >5 To 20, Deduct</i>	-7.03	
			<i>For >20 To 45, Deduct</i>	-13.70	
			<i>For >45, Deduct</i>	-22.49	
32 92 19	19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	89.58	
			<i>For >5 To 20, Deduct</i>	-6.59	
			<i>For >20 To 45, Deduct</i>	-13.05	
			<i>For >45, Deduct</i>	-21.61	
32 92 19	19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	158.95	
			<i>For >5 To 20, Deduct</i>	-10.06	
			<i>For >20 To 45, Deduct</i>	-18.25	
			<i>For >45, Deduct</i>	-28.55	
32 92 19	19-0011	MSF	Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	117.93	
			<i>For >5 To 20, Deduct</i>	-8.01	
			<i>For >20 To 45, Deduct</i>	-15.17	
			<i>For >45, Deduct</i>	-24.45	
32 92 19	19-0012	MSF	White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	89.49	
			<i>For >5 To 20, Deduct</i>	-6.58	
			<i>For >20 To 45, Deduct</i>	-13.04	
			<i>For >45, Deduct</i>	-21.60	
32 92 19	19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	93.22	
			<i>For >5 To 20, Deduct</i>	-6.77	
			<i>For >20 To 45, Deduct</i>	-13.32	
			<i>For >45, Deduct</i>	-21.98	
32 92 19	19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	111.87	
			<i>For >5 To 20, Deduct</i>	-7.70	
			<i>For >20 To 45, Deduct</i>	-14.72	
			<i>For >45, Deduct</i>	-23.84	
32 92 19	19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	106.74	
			<i>For >5 To 20, Deduct</i>	-7.45	
			<i>For >20 To 45, Deduct</i>	-14.33	
			<i>For >45, Deduct</i>	-23.33	
32 92 19	19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	103.01	
			<i>For >5 To 20, Deduct</i>	-7.26	
			<i>For >20 To 45, Deduct</i>	-14.05	
			<i>For >45, Deduct</i>	-22.96	
32 92 19	19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	110.47	
			<i>For >5 To 20, Deduct</i>	-7.63	
			<i>For >20 To 45, Deduct</i>	-14.61	
			<i>For >45, Deduct</i>	-23.70	
32 92 19	19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	104.87	
			<i>For >5 To 20, Deduct</i>	-7.35	
			<i>For >20 To 45, Deduct</i>	-14.19	
			<i>For >45, Deduct</i>	-23.14	
32 92 19	19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	106.74	
			<i>For >5 To 20, Deduct</i>	-7.45	
			<i>For >20 To 45, Deduct</i>	-14.33	
			<i>For >45, Deduct</i>	-23.33	



		Exterior Improvements	32
		Planting	32 90
		Turf and Grasses	32 92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

32 92 23**Sodding** (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001**Tall Fescue Sod** (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,368.71	
		<i>For Hybrid Fescue "Marathon", Add</i>	166.97	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,913.01	
		<i>For Hybrid Fescue "Marathon", Add</i>	125.76	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,617.05	
		<i>For Hybrid Fescue "Marathon", Add</i>	105.16	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,374.08	
		<i>For Hybrid Fescue "Marathon", Add</i>	84.55	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,698.50	
		<i>For Hybrid Fescue "Marathon", Add</i>	166.97	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,194.10	
		<i>For Hybrid Fescue "Marathon", Add</i>	125.76	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,810.96	
		<i>For Hybrid Fescue "Marathon", Add</i>	105.16	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,538.98	
		<i>For Hybrid Fescue "Marathon", Add</i>	84.55	

32 92 23 00-0010**Kentucky Blue Grass Sod** (32 92 23)

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,994.02	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,631.98	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,382.86	
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,186.73	
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,323.81	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,913.07	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,576.77	
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,351.63	

32 93 Plants (32 90)**32 93 13****Ground Covers** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001**Ornamental Grasses** (32 93 13)

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	32.44	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	59.97	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	108.99	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	198.37	
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	24.83	
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	33.02	
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	35.34	
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	24.77	
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	33.02	
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	79.89	
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	31.35	
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	40.63	
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	77.68	
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	29.10	
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	45.75	
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	78.29	
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	27.09	
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	68.91	
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	90.84	
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	85.76	
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	96.34	
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	158.94	
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	46.57	
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	69.69	
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	35.55	
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	49.53	

32 93 13 00-0028**Ground Covers** (32 93 13)

32 93 13 00-0029	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	28.12	
32 93 13 00-0030	EA	3" Pot Ajuga reptans - Carpet Bugle	6.75	
32 93 13 00-0031	EA	1 Quart Ajuga reptans - Carpet Bugle	11.24	
32 93 13 00-0032	EA	1 Gallon Ajuga reptans - Carpet Bugle	26.99	
32 93 13 00-0033	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	116.20	
32 93 13 00-0034	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	93.71	
32 93 13 00-0035	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	171.68	
32 93 13 00-0036	EA	1 Quart Arundo donax - Giant Reed	35.99	
32 93 13 00-0037	EA	1 Gallon Arundo donax - Giant Reed	51.73	
32 93 13 00-0038	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	11.25	
32 93 13 00-0039	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	19.49	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0040	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	39.32	
32 93 13 00-0041	EA	1 Gallon Campsis radicans - Trumpet Creeper	41.23	
32 93 13 00-0042	EA	2 Gallon Campsis radicans - Trumpet Creeper	62.23	
32 93 13 00-0043	EA	5 Gallon Campsis radicans - Trumpet Creeper	149.94	
32 93 13 00-0044	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	39.74	
32 93 13 00-0045	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	51.73	
32 93 13 00-0046	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	20.24	
32 93 13 00-0047	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	28.12	
32 93 13 00-0048	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	43.86	
32 93 13 00-0049	EA	1 Gallon Cissus antarctica - Kangaroo Vine	21.74	
32 93 13 00-0050	EA	5 Gallon Cissus antarctica - Kangaroo Vine	68.22	
32 93 13 00-0051	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	21.74	
32 93 13 00-0052	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	74.22	
32 93 13 00-0053	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	21.74	
32 93 13 00-0054	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	77.97	
32 93 13 00-0055	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	18.74	
32 93 13 00-0056	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	68.22	
32 93 13 00-0057	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	36.74	
32 93 13 00-0058	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	69.72	
32 93 13 00-0059	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	122.95	
32 93 13 00-0060	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	23.24	
32 93 13 00-0061	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	81.72	
32 93 13 00-0062	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	26.77	
32 93 13 00-0063	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	69.37	
32 93 13 00-0064	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	116.21	
32 93 13 00-0065	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	29.24	
32 93 13 00-0066	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	58.48	
32 93 13 00-0067	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	15.74	
32 93 13 00-0068	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	28.12	
32 93 13 00-0069	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	43.86	
32 93 13 00-0070	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	23.24	
32 93 13 00-0071	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	76.47	
32 93 13 00-0072	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	32.39	
32 93 13 00-0073	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	116.96	
32 93 13 00-0074	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	39.74	
32 93 13 00-0075	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	59.98	
32 93 13 00-0076	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	26.99	
32 93 13 00-0077	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	89.97	
32 93 13 00-0078	EA	2" To 3" Pot Hedera helix - English Ivy	6.75	
32 93 13 00-0079	EA	12" To 15" Runners Hedera helix - English Ivy	11.25	
32 93 13 00-0080	EA	1 Gallon Hedera helix - English Ivy	26.99	
32 93 13 00-0081	EA	50 Plant Flat Hedera helix - English Ivy	155.94	
32 93 13 00-0082	EA	3 Gallon Hibiscus, Assorted Colors	35.16	
32 93 13 00-0083	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	48.73	
32 93 13 00-0084	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	91.47	
32 93 13 00-0085	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	149.94	
32 93 13 00-0086	EA	1 Gallon Hymenocallis latifolia - Spider Lily	17.45	
32 93 13 00-0087	EA	3 Gallon Hymenocallis latifolia - Spider Lily	46.54	
32 93 13 00-0088	EA	1 Quart Hypericum perforatum - St. John's Wort	11.25	
32 93 13 00-0089	EA	1 Gallon Hypericum perforatum - St. John's Wort	26.99	
32 93 13 00-0090	EA	5 Gallon Hypericum perforatum - St. John's Wort	69.72	
32 93 13 00-0091	EA	1 Quart Iberis sempervirens - Candytuft	11.25	
32 93 13 00-0092	EA	1 Gallon Iberis sempervirens - Candytuft	26.99	
32 93 13 00-0093	EA	1 Gallon Ilex cornuta - Dwarf Holly	20.36	
32 93 13 00-0094	EA	3 Gallon Ilex cornuta - Dwarf Holly	43.64	
32 93 13 00-0095	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	26.99	
32 93 13 00-0096	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	53.98	
32 93 13 00-0097	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	93.71	
32 93 13 00-0098	EA	1 Gallon Jasminum volubile - Wax Jasmine	14.16	
32 93 13 00-0099	EA	1 Gallon Jasminum volubile - Wax Jasmine	35.16	
32 93 13 00-0100	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	17.66	
32 93 13 00-0101	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	39.32	
32 93 13 00-0102	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	65.48	
32 93 13 00-0103	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	30.51	
32 93 13 00-0104	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	30.74	
32 93 13 00-0105	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	65.97	
32 93 13 00-0106	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	97.46	
32 93 13 00-0107	EA	1 Gallon Lantana spp. Various Colors	15.91	
32 93 13 00-0108	EA	4" Pot Lantana camera - Common Lantana	6.75	
32 93 13 00-0109	EA	1 Gallon Lantana camera - Common Lantana	19.49	
32 93 13 00-0110	EA	1 Gallon Lantana sellowiana - Trailing Lantana	10.47	
32 93 13 00-0111	EA	4" Pot Lavandula angustifolia - English Lavender	9.75	
32 93 13 00-0112	EA	1 Quart Lavandula angustifolia - English Lavender	18.74	
32 93 13 00-0113	EA	1 Gallon Lavandula angustifolia - English Lavender	30.74	
32 93 13 00-0114	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	15.91	
32 93 13 00-0115	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	20.08	
32 93 13 00-0116	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	32.10	
32 93 13 00-0117	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	12.58	
32 93 13 00-0118	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	30.74	
32 93 13 00-0119	EA	2 Quart Liriope spicata - Creeping Lilyturf	19.49	
32 93 13 00-0120	EA	1 Gallon Liriope spicata - Creeping Lilyturf	35.24	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93	13 00-0121	EA	5 Gallon Liriope spicata - Creeping Lilytuft	74.22	
32 93	13 00-0122	EA	Bare Root Liriope spicata - Creeping Liriope	4.91	
32 93	13 00-0123	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	30.74	
32 93	13 00-0124	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	58.48	
32 93	13 00-0125	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	6.75	
32 93	13 00-0126	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	30.74	
32 93	13 00-0127	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	58.48	
32 93	13 00-0128	EA	2 Quart Lysimachia nummularia - Creeping Jenny	11.25	
32 93	13 00-0129	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	21.74	
32 93	13 00-0130	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	26.99	
32 93	13 00-0131	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	116.96	
32 93	13 00-0132	EA	1 Quart Moss Phlox, Creeping Phlox	11.25	
32 93	13 00-0133	EA	1 Gallon Moss Phlox, Creeping Phlox	26.99	
32 93	13 00-0134	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	14.16	
32 93	13 00-0135	EA	1 Quart Nepeta mussinii - Persian Catmint	11.25	
32 93	13 00-0136	EA	1 Gallon Nepeta mussinii - Persian Catmint	23.24	
32 93	13 00-0137	EA	4" Pot Ophiopogon Japonicus - Mondo grass	6.75	
32 93	13 00-0138	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	26.99	
32 93	13 00-0139	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	62.23	
32 93	13 00-0140	EA	2' To 3' High Oregon Holly-Grape	31.16	
32 93	13 00-0141	EA	1 Gallon Pachysandra terminalis - Pachysandra	40.59	
32 93	13 00-0142	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	14.99	
32 93	13 00-0143	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	34.19	
32 93	13 00-0144	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	93.56	
32 93	13 00-0145	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	6.75	
32 93	13 00-0146	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	35.24	
32 93	13 00-0147	EA	1 Gallon Ranunculaceae - Clematis Varieties	38.74	
32 93	13 00-0148	EA	2 Gallon Ranunculaceae - Clematis Varieties	71.64	
32 93	13 00-0149	EA	3 Gallon Rhamnus alaternus - Dwarf Indian Hawthorn	43.64	
32 93	13 00-0150	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	6.75	
32 93	13 00-0151	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	26.99	
32 93	13 00-0152	EA	2-1/4" Pot Securigera varia - Crown Vetch	4.50	
32 93	13 00-0153	EA	50 Plant Flat Securigera varia - Crown Vetch	152.19	
32 93	13 00-0154	EA	1 Quart Senecio cineraria - Dusty Miller	11.25	
32 93	13 00-0155	EA	1 Gallon Senecio cineraria - Dusty Miller	26.99	
32 93	13 00-0156	EA	1 Quart Stachys byzantina - Lamb's Ear	11.25	
32 93	13 00-0157	EA	1 Quart Stachys byzantina - Lamb's Ear	26.99	
32 93	13 00-0158	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	14.54	
32 93	13 00-0159	EA	1 Gallon Tradescantia spathacea - Rhoecol Discolor "Dwarf"	14.16	
32 93	13 00-0160	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	94.89	
32 93	13 00-0161	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	14.24	
32 93	13 00-0162	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	21.74	
32 93	13 00-0163	EA	2-1/4" Pot Vinca minor - Periwinkle	3.75	
32 93	13 00-0164	EA	4" Pot Vinca minor - Periwinkle	11.25	
32 93	13 00-0165	EA	Bare Root Vinca minor - Periwinkle	3.75	
32 93	13 00-0166	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	133.63	
32 93	13 00-0167	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	3.75	
32 93	13 00-0168	EA	4" Pot Vinca major - Variegated Greater Periwinkle	11.25	
32 93	13 00-0169	EA	Bare Root Vinca major - Variegated Greater Periwinkle	3.75	
32 93	13 00-0170	EA	1 Quart Waldsteinia ternata - Barren Strawberry	11.25	
32 93	13 00-0171	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	26.99	
32 93	13 00-0172	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	35.24	
32 93	13 00-0173	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	77.97	
32 93	13 00-0174	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	116.95	
32 93	13 00-0175	EA	Flat Hedera canariensis - Algerian Ivy	24.92	
32 93	13 00-0176	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.58	
32 93	13 00-0177	EA	Flat Gazania 'Copper King'	20.43	
32 93	13 00-0178	EA	1 Gallon Gazania 'Copper King'	6.98	
32 93	13 00-0179	EA	Flat Myoporum parvifolium - Myoporum	24.92	
32 93	13 00-0180	EA	1 Gallon Myoporum parvifolium - Myoporum	6.98	
32 93	13 00-0181	EA	5 Gallon Myoporum parvifolium - Myoporum	19.93	
32 93	13 00-0182	EA	1 Gallon Lantana montevidensis - Purple Lantana	6.98	
32 93	13 00-0183	EA	5 Gallon Lantana montevidensis - Purple Lantana	19.93	
32 93	13 00-0184	EA	Flat Carpobrotus - Ice Plant	18.94	
32 93	13 00-0185	EA	1 Gallon Carpobrotus - Ice Plant	7.97	

32 93 23 Plants and Bulbs (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93	23 00-0002	EA	2 Quart Assorted Daylilies	21.74	
32 93	23 00-0003	EA	1 Gallon Assorted Daylilies	30.74	
32 93	23 00-0004	EA	2 Gallon Assorted Daylilies	50.98	
32 93	23 00-0005	EA	1 Quart Azure Penstemon	11.24	
32 93	23 00-0006	EA	1 Gallon Azure Penstemon	28.11	
32 93	23 00-0007	EA	1 Quart Balloon Flower	11.24	
32 93	23 00-0008	EA	1 Gallon Balloon Flower	28.11	
32 93	23 00-0009	EA	1 Quart Black-eyed Susan	11.24	
32 93	23 00-0010	EA	1 Gallon Black-eyed Susan	28.11	
32 93	23 00-0011	EA	2 Gallon Black-eyed Susan	36.36	
32 93	23 00-0012	EA	1 Quart Blackberry Lily	11.24	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 93 23 00-0013	EA	1 Gallon Blackberry Lily	28.11	
32 93 23 00-0014	EA	1 Quart Blank Flower	11.24	
32 93 23 00-0015	EA	1 Gallon Blank Flower.....	25.87	
32 93 23 00-0016	EA	2 Gallon Blank Flower.....	36.36	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather.....	11.24	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	28.11	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium.....	19.12	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	32.24	
32 93 23 00-0021	EA	1 Quart Blue Plumbago.....	11.24	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	28.11	
32 93 23 00-0023	EA	1 Quart Blue Star.....	20.24	
32 93 23 00-0024	EA	1 Gallon Blue Star.....	32.24	
32 93 23 00-0025	EA	1 Quart Cardinal Flower.....	11.24	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	28.11	
32 93 23 00-0027	EA	4" Pot Columbine.....	6.75	
32 93 23 00-0028	EA	1 Quart Columbine.....	11.24	
32 93 23 00-0029	EA	1 Gallon Columbine	28.11	
32 93 23 00-0030	EA	1 Quart Common Globeflower	11.24	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	28.11	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	11.24	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	28.11	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	40.49	
32 93 23 00-0035	EA	1 Quart Diploid.....	14.25	
32 93 23 00-0036	EA	1 Gallon Diploid	32.24	
32 93 23 00-0037	EA	3 Gallon Diploid	55.48	
32 93 23 00-0038	EA	4" Pot Dune Sunflower.....	16.05	
32 93 23 00-0039	EA	1 Quart Evans Begonia.....	20.24	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	36.36	
32 93 23 00-0041	EA	1 Quart False Dragonhead	11.24	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	28.11	
32 93 23 00-0043	EA	1 Quart False Spirea	11.24	
32 93 23 00-0044	EA	1 Gallon False Spirea	36.36	
32 93 23 00-0045	EA	3 Gallon False Spirea	50.23	
32 93 23 00-0046	EA	2 Quart False Sunflower	17.99	
32 93 23 00-0047	EA	1 Gallon False Sunflower	28.11	
32 93 23 00-0048	EA	2 Gallon False Sunflower.....	36.36	
32 93 23 00-0049	EA	1 Gallon Foxglove.....	25.87	
32 93 23 00-0050	EA	2 Gallon Foxglove.....	36.36	
32 93 23 00-0051	EA	3 Gallon Foxglove.....	52.48	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	45.53	
32 93 23 00-0053	EA	1 Quart Garden Phlox.....	11.24	
32 93 23 00-0054	EA	1 Gallon Garden Phlox.....	28.11	
32 93 23 00-0055	EA	2 Quart Golden Groundsel.....	23.99	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	48.36	
32 93 23 00-0057	EA	1 Quart Golden Star.....	11.24	
32 93 23 00-0058	EA	1 Gallon Golden Star	28.11	
32 93 23 00-0059	EA	1 Quart Goldenrod	11.24	
32 93 23 00-0060	EA	1 Gallon Goldenrod.....	28.11	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	52.36	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	6.75	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	11.24	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy.....	28.11	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	9.75	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	16.12	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	25.87	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	40.11	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony.....	64.10	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	84.35	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	6.75	
32 93 23 00-0072	EA	1 Quart Japanese Anemone.....	20.24	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone.....	36.36	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	4.00	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	6.00	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	25.83	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	16.12	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy.....	32.24	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	133.63	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris.....	22.12	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris.....	41.99	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells.....	42.57	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	6.75	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	11.24	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia.....	28.11	
32 93 23 00-0086	EA	1 Quart Pincushion Flower.....	11.24	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	28.11	
32 93 23 00-0088	EA	2 Quart Plantain Lily.....	21.74	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	30.74	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	50.98	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	96.35	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	20.24	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower.....	28.11	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0094 EA 2 Gallon Purple Coneflower.....	36.36	
32 93 23 00-0095 EA 1 Quart Purple Loosestrife.....	11.24	
32 93 23 00-0096 EA 1 Gallon Purple Loosestrife.....	28.11	
32 93 23 00-0097 EA 1 Quart Rose Mallow.....	22.12	
32 93 23 00-0098 EA 2 Gallon Rose Mallow.....	40.11	
32 93 23 00-0099 EA 3 Gallon Rose Mallow.....	68.60	
32 93 23 00-0100 EA 1 Gallon Autumn Joy Sedum.....	42.86	
32 93 23 00-0101 EA 1 Quart Siberian Iris.....	19.12	
32 93 23 00-0102 EA 2 Gallon Siberian Iris.....	36.36	
32 93 23 00-0103 EA 3 Gallon Siberian Iris.....	50.23	
32 93 23 00-0104 EA 1 Quart Speedwell.....	11.24	
32 93 23 00-0105 EA 1 Gallon Speedwell.....	28.11	
32 93 23 00-0106 EA 1 Quart Tetraploid.....	28.11	
32 93 23 00-0107 EA 1 Gallon Tetraploid.....	52.48	
32 93 23 00-0108 EA 3 Gallon Tetraploid.....	71.60	
32 93 23 00-0109 EA 1 Quart Threadleaf Coreopsis.....	11.24	
32 93 23 00-0110 EA 1 Gallon Threadleaf Coreopsis.....	28.11	
32 93 23 00-0111 EA 1 Quart Torch Lily.....	11.24	
32 93 23 00-0112 EA 1 Quart Bluebeard.....	20.24	
32 93 23 00-0113 EA 1 Gallon Bluebeard.....	29.99	
32 93 23 00-0114 EA 2 Gallon Bluebeard.....	43.86	
32 93 23 00-0115	Annuals	<small>(32 93 23)</small>
32 93 23 00-0116 EA 2-1/2" Pot Annual Flowers.....	5.22	
32 93 23 00-0117 EA 3" Pot Annual Flowers.....	7.06	
32 93 23 00-0118 EA 4" Pot Annual Flowers.....	15.09	
32 93 23 00-0119 EA 5-1/2" Pot Annual Flowers.....	20.06	
32 93 23 00-0120 EA 6" Pot Annual Flowers.....	39.73	
32 93 23 00-0121 EA 8" Pot Annual Flowers.....	66.21	
32 93 23 00-0122 EA 36 Plant Flat Annual Flowers.....	86.68	
32 93 23 00-0123 EA 48 Plant Flat Annual Flowers.....	98.31	
32 93 23 00-0124	Bulbs	<small>(32 93 23)</small>
32 93 23 00-0125 EA Top Size Allium giganteum - Giant Ornamental Onion.....	18.15	
32 93 23 00-0126 EA Top Size Allium sphaerocephalum - Drumstick Ornamental Onion.....	1.05	
32 93 23 00-0127 EA Top Size Crocus Hybrid.....	1.19	
32 93 23 00-0128 EA Top Size Eranthis hyemalis - Winter Aconite.....	1.54	
32 93 23 00-0129 EA Top Size Galanthus nivalis - Snowdrops.....	1.95	
32 93 23 00-0130 EA Top Size Iris reticulata cvs - Dutch Iris.....	0.77	
32 93 23 00-0131 EA Top Size Muscari armeniacum - Grape Hyacinth.....	0.91	
32 93 23 00-0132 EA Top Size Muscari latifolium - Grape Hyacinth.....	1.05	
32 93 23 00-0133 EA Narcissus 'Carlton' - Carlton Daffodil DNI.....	6.28	
32 93 23 00-0134 EA Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	3.00	
32 93 23 00-0135 EA Narcissus 'February Gold' - February Gold Daffodil DNI.....	3.14	
32 93 23 00-0136 EA Narcissus 'Ice Follies' - Ice Follies Daffodil DNI.....	3.14	
32 93 23 00-0137 EA Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	3.28	
32 93 23 00-0138 EA Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI.....	3.49	
32 93 23 00-0139 EA Narcissus 'Pipit' - Pipit Daffodil DNI.....	3.28	
32 93 23 00-0140 EA Narcissus 'Salome' - Salome Daffodil DNI.....	3.07	
32 93 23 00-0141 EA Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI.....	3.28	
32 93 23 00-0142 EA Narcissus 'Thalia' - Thalia Daffodil DNI.....	3.28	
32 93 23 00-0143 EA Top Size Scilla siberica - Siberian Squill.....	0.98	
32 93 23 00-0144 EA Top Size Tulip 'Angelique' - Angelique Tulip.....	2.79	
32 93 23 00-0145 EA Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	2.09	
32 93 23 00-0146 EA Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	2.79	
32 93 23 00-0147 EA Top Size Tulip 'Big Smile' - Big Smile Tulip.....	2.44	
32 93 23 00-0148 EA Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	3.49	
32 93 23 00-0149 EA Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	2.65	
32 93 23 00-0150 EA Top Size Tulip 'Cardinal' - Cardinal Tulip.....	2.30	
32 93 23 00-0151 EA Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	2.58	
32 93 23 00-0152 EA Top Size Tulip clusiana - Species Tulip.....	2.58	
32 93 23 00-0153 EA Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	2.58	
32 93 23 00-0154 EA Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	2.09	
32 93 23 00-0155 EA Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	2.02	
32 93 23 00-0156 EA Top Size Tulip 'Halcro' - Halcro Tulip.....	2.09	
32 93 23 00-0157 EA Top Size Tulip 'Ivory Floradale' - Ivory Floradale Tulip.....	3.49	
32 93 23 00-0158 EA Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	2.09	
32 93 23 00-0159 EA Top Size Tulip 'Passionale' - Passionale Tulip.....	2.79	
32 93 23 00-0160 EA Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	3.00	
32 93 23 00-0161 EA Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	3.14	
32 93 23 00-0162 EA Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	2.51	
32 93 23 00-0163 EA Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	2.37	
32 93 23 00-0164 EA Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	2.58	
32 93 23 00-0165 EA Top Size Tulip 'Princes' - Princes Tulip.....	2.58	
32 93 23 00-0166 EA Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	2.02	
32 93 23 00-0167 EA Top Size Tulip saxatilis - Species Tulip.....	1.40	
32 93 23 00-0168 EA Top Size Tulip 'Shirley' - Shirley Tulip.....	2.09	
32 93 23 00-0169 EA Top Size Tulip 'Spring Green' - Spring Green Tulip.....	2.72	
32 93 23 00-0170 EA Top Size Tulip 'White Emperor' - White Emperor Tulip.....	2.09	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 93 33 Shrubs (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shrubs.

32 93 33 00-0001	Shrubs (32 93 33)	
32 93 33 00-0002	EA 1 Gallon Abelia x grandiflora - Abelia.....	16.14
32 93 33 00-0003	EA 3 Gallon Abelia x grandiflora - Abelia.....	32.87
32 93 33 00-0004	EA 5 Gallon Abelia x grandiflora - Abelia.....	63.09
32 93 33 00-0005	EA 1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	9.27
32 93 33 00-0006	EA 5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	22.92
32 93 33 00-0007	EA 15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	90.99
32 93 33 00-0008	EA 3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	92.80
32 93 33 00-0009	EA 18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	135.63
32 93 33 00-0010	EA 24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	151.33
32 93 33 00-0011	EA 30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	191.31
32 93 33 00-0012	EA 36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	212.72
32 93 33 00-0013	EA 18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	42.83
32 93 33 00-0014	EA 24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	57.11
32 93 33 00-0015	EA 30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	71.38
32 93 33 00-0016	EA 1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	9.27
32 93 33 00-0017	EA 5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	22.92
32 93 33 00-0018	EA 36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	39.42
32 93 33 00-0019	EA 42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	46.38
32 93 33 00-0020	EA 48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	55.65
32 93 33 00-0021	EA 60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	64.93
32 93 33 00-0022	EA 72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	78.84
32 93 33 00-0023	EA 36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	38.26
32 93 33 00-0024	EA 42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	40.58
32 93 33 00-0025	EA 48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	42.90
32 93 33 00-0026	EA 60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	48.69
32 93 33 00-0027	EA 36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	38.84
32 93 33 00-0028	EA 42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	41.16
32 93 33 00-0029	EA 48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	43.48
32 93 33 00-0030	EA 60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	45.80
32 93 33 00-0031	EA 1 Gallon Aspidistra elatior - Cast Iron Plant.....	7.97
32 93 33 00-0032	EA 2 Gallon Aspidistra elatior - Cast Iron Plant.....	18.43
32 93 33 00-0033	EA 1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	9.34
32 93 33 00-0034	EA 3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	20.55
32 93 33 00-0035	EA 5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	27.78
32 93 33 00-0036	EA 1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	9.27
32 93 33 00-0037	EA 5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	22.92
32 93 33 00-0038	EA 1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	9.27
32 93 33 00-0039	EA 5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	22.92
32 93 33 00-0040	EA 1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	9.96
32 93 33 00-0041	EA 2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	14.57
32 93 33 00-0042	EA 15" To 18" Berberis - Northern Bayberry.....	41.60
32 93 33 00-0043	EA 2' To 2-1/2' Berberis - Northern Bayberry.....	52.81
32 93 33 00-0044	EA 2-1/2' To 3' Berberis - Northern Bayberry.....	73.98
32 93 33 00-0045	EA 1 Gallon Berberis Buxifolia 'Nana' - Barberrry.....	10.46
32 93 33 00-0046	EA 5 Gallon Berberis Buxifolia 'Nana' - Barberrry.....	25.22
32 93 33 00-0047	EA 18" To 24" Berberis julianae - Dwarf Wintergreen Barberrry.....	44.46
32 93 33 00-0048	EA 2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberrry.....	56.92
32 93 33 00-0049	EA 2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberrry.....	72.74
32 93 33 00-0050	EA 1 Gallon Berberis thunbergii - Crimson Pygmy Barberrry.....	11.96
32 93 33 00-0051	EA 2 Gallon Berberis thunbergii - Crimson Pygmy Barberrry.....	23.54
32 93 33 00-0052	EA 3 Gallon Berberis thunbergii - Crimson Pygmy Barberrry.....	28.77
32 93 33 00-0053	EA 1 Gallon Berberis x mentorensis - Mentor Barberrry.....	11.33
32 93 33 00-0054	EA 5 Gallon Berberis x mentorensis - Mentor Barberrry.....	32.01
32 93 33 00-0055	EA 2' To 3' Berberis x mentorensis - Mentor Barberrry.....	44.46
32 93 33 00-0056	EA 3' To 4' Berberis x mentorensis - Mentor Barberrry.....	68.63
32 93 33 00-0057	EA 1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	12.95
32 93 33 00-0058	EA 5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	34.75
32 93 33 00-0059	EA 12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	36.99
32 93 33 00-0060	EA 15" To 18" Buxus microphylla japonica - Japanese Boxwood.....	47.58
32 93 33 00-0061	EA 18" To 24" Buxus microphylla japonica - Japanese Boxwood.....	63.40
32 93 33 00-0062	EA 24" To 30" Buxus microphylla japonica - Japanese Boxwood.....	95.16
32 93 33 00-0063	EA 30" To 36" Buxus microphylla japonica - Japanese Boxwood.....	132.15
32 93 33 00-0064	EA 12" To 15" Buxus sempervirens - Common Boxwood.....	36.99
32 93 33 00-0065	EA 15" To 18" Buxus sempervirens - Common Boxwood.....	47.58
32 93 33 00-0066	EA 18" To 24" Buxus sempervirens - Common Boxwood.....	63.40
32 93 33 00-0067	EA 24" To 30" Buxus sempervirens - Common Boxwood.....	95.16
32 93 33 00-0068	EA 2 Gallon Buxus Hybrid - Boxwood Cultivars.....	24.35
32 93 33 00-0069	EA 5 Gallon Buxus Hybrid - Boxwood Cultivars.....	40.58
32 93 33 00-0070	EA 5 Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	106.66
32 93 33 00-0071	EA 18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	57.97
32 93 33 00-0072	EA 24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	78.84
32 93 33 00-0073	EA 30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	106.66
32 93 33 00-0074	EA 1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	5.62
32 93 33 00-0075	EA 5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	17.29
32 93 33 00-0076	EA 15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	56.18
32 93 33 00-0077	EA 5 Gallon Calycanthus floridus - Common Sweetshrub.....	38.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0078 EA 30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub.....	34.78	
32 93 33 00-0079 EA 36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub.....	46.38	
32 93 33 00-0080 EA 1 Gallon Camellia "Sasanqua" - Camellia.....	11.53	
32 93 33 00-0081 EA 3 Gallon Camellia "Sasanqua" - Camellia.....	24.59	
32 93 33 00-0082 EA 5 Gallon Camellia "Sasanqua" - Camellia.....	40.88	
32 93 33 00-0083 EA 7 Gallon Camellia "Sasanqua" - Camellia.....	60.87	
32 93 33 00-0084 EA 15 Gallon Camellia "Sasanqua" - Camellia.....	157.94	
32 93 33 00-0085 EA 1 Gallon Camellia japonica - Camellia.....	11.53	
32 93 33 00-0086 EA 3 Gallon Camellia japonica - Camellia.....	24.59	
32 93 33 00-0087 EA 5 Gallon Camellia japonica - Camellia.....	40.88	
32 93 33 00-0088 EA 5 Gallon Ceanothus americanus - New Jersey Tea.....	38.26	
32 93 33 00-0089 EA 1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	10.46	
32 93 33 00-0090 EA 5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	27.21	
32 93 33 00-0091 EA 5 Gallon Celastrus scandens - Bittersweet.....	38.26	
32 93 33 00-0092 EA 36" Balled and Burlapped, Celastrus scandens - Bittersweet.....	32.46	
32 93 33 00-0093 EA 5 Gallon Cephalanthus occidentalis - Buttonbush.....	38.26	
32 93 33 00-0094 EA 24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	28.98	
32 93 33 00-0095 EA 30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	32.46	
32 93 33 00-0096 EA 36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	34.78	
32 93 33 00-0097 EA 18" To 24" Chaenomeles speciosa - Flowering Quince.....	33.38	
32 93 33 00-0098 EA 2' To 3' Chaenomeles speciosa - Flowering Quince.....	44.46	
32 93 33 00-0099 EA 3' To 4' Chaenomeles speciosa - Flowering Quince.....	68.63	
32 93 33 00-0100 EA 1 Gallon Cistus Hybridus - White Rockrose.....	9.27	
32 93 33 00-0101 EA 5 Gallon Cistus Hybridus - White Rockrose.....	22.92	
32 93 33 00-0102 EA 3 Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	37.10	
32 93 33 00-0103 EA 18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra.....	40.00	
32 93 33 00-0104 EA 24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra.....	44.64	
32 93 33 00-0105 EA 30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra.....	46.96	
32 93 33 00-0106 EA 36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra.....	55.07	
32 93 33 00-0107 EA 1 Gallon Coleonema Pulchellum - Confetti Bush.....	9.27	
32 93 33 00-0108 EA 5 Gallon Coleonema Pulchellum - Confetti Bush.....	22.92	
32 93 33 00-0109 EA 15 Gallon Coleonema Pulchellum - Confetti Bush.....	107.34	
32 93 33 00-0110 EA 2' To 3' Cornus mas - Cornelian Cherry.....	52.81	
32 93 33 00-0111 EA 3' To 4' Cornus mas - Cornelian Cherry.....	66.01	
32 93 33 00-0112 EA 4' To 5' Cornus mas - Cornelian Cherry.....	84.57	
32 93 33 00-0113 EA 5' To 6' Cornus mas - Cornelian Cherry.....	116.21	
32 93 33 00-0114 EA 5 Gallon Cornus alba & cvs - Tartarian Dogwood.....	34.78	
32 93 33 00-0115 EA 36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood.....	24.35	
32 93 33 00-0116 EA 48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood.....	27.83	
32 93 33 00-0117 EA 60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood.....	34.78	
32 93 33 00-0118 EA 72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood.....	41.74	
32 93 33 00-0119 EA 36" Balled and Burlapped, Cornus amomum - Silky Dogwood.....	34.78	
32 93 33 00-0120 EA 5 Gallon Cornus obliqua - Blue Fruited Dogwood.....	38.26	
32 93 33 00-0121 EA 5 Gallon Cornus racemosa - Gray Dogwood.....	38.26	
32 93 33 00-0122 EA 36" Balled and Burlapped, Cornus racemosa - Gray Dogwood.....	34.78	
32 93 33 00-0123 EA 48" Balled and Burlapped, Cornus racemosa - Gray Dogwood.....	40.58	
32 93 33 00-0124 EA 60" Balled and Burlapped, Cornus racemosa - Gray Dogwood.....	44.06	
32 93 33 00-0125 EA 72" Balled and Burlapped, Cornus racemosa - Gray Dogwood.....	53.33	
32 93 33 00-0126 EA 36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood.....	37.68	
32 93 33 00-0127 EA 48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood.....	42.32	
32 93 33 00-0128 EA 60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood.....	48.11	
32 93 33 00-0129 EA 24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	30.14	
32 93 33 00-0130 EA 30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	34.78	
32 93 33 00-0131 EA 36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	37.10	
32 93 33 00-0132 EA 48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	40.58	
32 93 33 00-0133 EA 60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	45.22	
32 93 33 00-0134 EA 5 Gallon Corylus americana - American Filbert.....	35.94	
32 93 33 00-0135 EA 30" Balled and Burlapped, Corylus americana - American Filbert.....	40.58	
32 93 33 00-0136 EA 36" Balled and Burlapped, Corylus americana - American Filbert.....	43.48	
32 93 33 00-0137 EA 48" Balled and Burlapped, Corylus americana - American Filbert.....	46.96	
32 93 33 00-0138 EA 24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	115.94	
32 93 33 00-0139 EA 30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	150.72	
32 93 33 00-0140 EA 36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	162.31	
32 93 33 00-0141 EA 42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	208.69	
32 93 33 00-0142 EA 48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	255.07	
32 93 33 00-0143 EA 60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	289.85	
32 93 33 00-0144 EA 5' To 6' Cotinus coggygia - Smoke Tree.....	110.97	
32 93 33 00-0145 EA 6' To 8' Cotinus coggygia - Smoke Tree.....	166.40	
32 93 33 00-0146 EA 8' To 10' Cotinus coggygia - Smoke Tree.....	250.97	
32 93 33 00-0147 EA 5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	28.98	
32 93 33 00-0148 EA 18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	28.98	
32 93 33 00-0149 EA 24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	30.14	
32 93 33 00-0150 EA 12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	27.77	
32 93 33 00-0151 EA 3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	30.14	
32 93 33 00-0152 EA 18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	28.98	
32 93 33 00-0153 EA 24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	30.14	
32 93 33 00-0154 EA 1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	11.96	
32 93 33 00-0155 EA 2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	36.99	
32 93 33 00-0156 EA 3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	49.94	
32 93 33 00-0157 EA 4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	84.57	
32 93 33 00-0158 EA 1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	9.27	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	22.92	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	11.96	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	23.54	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.27	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	22.92	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	90.99	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	14.41	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	36.02	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	29.56	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	32.46	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	41.74	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	48.69	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	55.65	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	46.38	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	55.65	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	64.93	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	17.39	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	41.74	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	55.65	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	22.92	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.27	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	22.92	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	90.99	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.27	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	22.92	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	90.99	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	34.63	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	47.58	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	56.92	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustifolia - Russian Olive	55.43	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.27	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	22.92	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	90.99	
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	9.97	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	20.92	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	28.77	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	8.51	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	24.53	
32 93 33 00-0197	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	33.07	
32 93 33 00-0198	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	41.33	
32 93 33 00-0199	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	56.80	
32 93 33 00-0200	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	70.13	
32 93 33 00-0201	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	82.66	
32 93 33 00-0202	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	106.66	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	30.67	
32 93 33 00-0204	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	133.33	
32 93 33 00-0205	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	52.17	
32 93 33 00-0206	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	62.03	
32 93 33 00-0207	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	81.16	
32 93 33 00-0208	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	97.39	
32 93 33 00-0209	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	120.58	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	36.99	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	43.59	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	59.54	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	71.37	
32 93 33 00-0214	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush	89.80	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	126.79	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	158.55	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	184.96	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	36.99	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	42.22	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	51.56	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	72.74	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	85.94	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	103.00	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	145.35	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	171.76	
32 93 33 00-0226	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	31.30	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	11.96	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	23.54	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	28.77	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	34.13	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	9.27	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	22.92	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	90.99	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	26.40	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	33.38	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	41.60	
32 93 33 00-0237	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	26.67	
32 93 33 00-0238	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	29.56	
32 93 33 00-0239	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	31.88	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 33 00-0240	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	27.83	
32 93 33 00-0241	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	37.10	
32 93 33 00-0242	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	27.83	
32 93 33 00-0243	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	32.46	
32 93 33 00-0244	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	38.26	
32 93 33 00-0245	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	44.06	
32 93 33 00-0246	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	51.01	
32 93 33 00-0247	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	39.42	
32 93 33 00-0248	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	55.07	
32 93 33 00-0249	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	57.97	
32 93 33 00-0250	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	60.29	
32 93 33 00-0251	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	64.93	
32 93 33 00-0252	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	78.84	
32 93 33 00-0253	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	102.03	
32 93 33 00-0254	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	115.94	
32 93 33 00-0255	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	8.59	
32 93 33 00-0256	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	22.54	
32 93 33 00-0257	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	28.77	
32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.27	
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	22.92	
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	90.99	
32 93 33 00-0261	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	81.16	
32 93 33 00-0262	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	132.17	
32 93 33 00-0263	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	166.95	
32 93 33 00-0264	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	255.07	
32 93 33 00-0265	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	289.85	
32 93 33 00-0266	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger	4.93	
32 93 33 00-0267	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger	17.33	
32 93 33 00-0268	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger	33.33	
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	12.64	
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	21.33	
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	32.27	
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	33.38	
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	28.40	
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	38.36	
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	55.42	
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	76.60	
32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea	23.54	
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea	33.13	
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	36.99	
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	42.22	
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	23.54	
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	40.58	
32 93 33 00-0283	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	44.06	
32 93 33 00-0284	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	51.01	
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	53.33	
32 93 33 00-0286	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	41.74	
32 93 33 00-0287	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	55.65	
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	24.35	
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	28.98	
32 93 33 00-0290	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	24.93	
32 93 33 00-0291	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	26.67	
32 93 33 00-0292	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.14	
32 93 33 00-0293	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	34.78	
32 93 33 00-0294	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	46.38	
32 93 33 00-0295	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	33.62	
32 93 33 00-0296	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	38.26	
32 93 33 00-0297	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	45.22	
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianum - St. John's Wort	23.54	
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	27.83	
32 93 33 00-0300	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort	30.14	
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly	11.96	
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly	23.54	
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly	33.13	
32 93 33 00-0304	EA	18" To 24" Ilex - Gulfside Sweet Holly	31.76	
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	40.23	
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	52.19	
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	63.40	
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	23.72	
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	11.96	
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	23.54	
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	34.13	
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	11.96	
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	26.16	
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	34.13	
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	26.16	
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	31.51	
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	63.40	
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	84.57	
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly	84.57	
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly	139.99	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	179.60	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	216.59	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	303.78	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	422.73	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	607.56	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	924.66	
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	1,122.70	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	1,386.87	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	84.57	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	110.97	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	68.63	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	95.16	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	110.97	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	11.21	
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	22.54	
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	79.21	
32 93 33 00-0337	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	35.94	
32 93 33 00-0338	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	40.58	
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	46.38	
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	42.90	
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	52.17	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	38.26	
32 93 33 00-0343	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	38.26	
32 93 33 00-0344	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	40.58	
32 93 33 00-0345	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	48.69	
32 93 33 00-0346	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	54.49	
32 93 33 00-0347	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	57.97	
32 93 33 00-0348	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	74.20	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	137.38	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	182.22	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	163.04	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	316.98	
32 93 33 00-0353	EA	1 Gallon Jasimnum - Jasmine	3.07	
32 93 33 00-0354	EA	3 Gallon Jasimnum - Jasmine	12.00	
32 93 33 00-0355	EA	3 Gallon Jasimnum - Orange Jasmine	9.33	
32 93 33 00-0356	EA	4' - 5' Jasimnum - Orange Jasmine	106.66	
32 93 33 00-0357	EA	6' - 7' Jasimnum - Orange Jasmine	213.33	
32 93 33 00-0358	EA	8' - 10' Jasimnum - Orange Jasmine	287.99	
32 93 33 00-0359	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	40.58	
32 93 33 00-0360	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	45.22	
32 93 33 00-0361	EA	18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	60.29	
32 93 33 00-0362	EA	24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	78.84	
32 93 33 00-0363	EA	30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	92.75	
32 93 33 00-0364	EA	36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	125.21	
32 93 33 00-0365	EA	48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	171.59	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	19.33	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	40.58	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	45.22	
32 93 33 00-0369	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	48.69	
32 93 33 00-0370	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	53.33	
32 93 33 00-0371	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	64.93	
32 93 33 00-0372	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	78.84	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	31.30	
32 93 33 00-0374	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	37.10	
32 93 33 00-0375	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	51.01	
32 93 33 00-0376	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	64.93	
32 93 33 00-0377	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	78.84	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	28.98	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	34.78	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	30.14	
32 93 33 00-0381	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	57.97	
32 93 33 00-0382	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	90.43	
32 93 33 00-0383	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	113.62	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	47.58	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	63.40	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	92.42	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	169.01	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	258.94	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	396.32	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	10.59	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	33.13	
32 93 33 00-0392	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	33.62	
32 93 33 00-0393	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	38.26	
32 93 33 00-0394	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	41.74	
32 93 33 00-0395	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	48.69	
32 93 33 00-0396	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	55.65	
32 93 33 00-0397	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	69.56	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	7.97	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	28.40	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	39.61	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	58.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0402	EA		5' To 6' Lagerstroemia indica - Crape Myrtle	92.42	
32 93 33 00-0403	EA		7' To 8' Lagerstroemia indica - Crape Myrtle	120.00	
32 93 33 00-0404	EA		9' To 10' Lagerstroemia indica - Crape Myrtle	160.00	
32 93 33 00-0405	EA		11' To 12' Lagerstroemia indica - Crape Myrtle	333.32	
32 93 33 00-0406	EA		1 Gallon Leucothoe axillaris - Coast Leucothoe	11.96	
32 93 33 00-0407	EA		2 Gallon Leucothoe axillaris - Coast Leucothoe	26.16	
32 93 33 00-0408	EA		3 Gallon Leucothoe axillaris - Coast Leucothoe	31.51	
32 93 33 00-0409	EA		1 Gallon Ligustrum lucidum - Glossy Privet	7.35	
32 93 33 00-0410	EA		5 Gallon Ligustrum lucidum - Glossy Privet	22.54	
32 93 33 00-0411	EA		15 Gallon Ligustrum lucidum - Glossy Privet	105.62	
32 93 33 00-0412	EA		1 Gallon Ligustrum sinense - Variegated Chinese Privet	7.35	
32 93 33 00-0413	EA		2 Gallon Ligustrum sinense - Variegated Chinese Privet	15.82	
32 93 33 00-0414	EA		3 Gallon Ligustrum sinense - Variegated Chinese Privet	20.55	
32 93 33 00-0415	EA		36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	34.78	
32 93 33 00-0416	EA		48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	51.01	
32 93 33 00-0417	EA		60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	64.93	
32 93 33 00-0418	EA		72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	74.20	
32 93 33 00-0419	EA		5 Gallon Lindera benzoin - Spicebush	38.26	
32 93 33 00-0420	EA		36" Balled and Burlapped, Lindera benzoin - Spicebush	32.46	
32 93 33 00-0421	EA		48" Balled and Burlapped, Lindera benzoin - Spicebush	39.42	
32 93 33 00-0422	EA		2' To 3' Lonicera fragrantissima - Winter Honeysuckle	63.40	
32 93 33 00-0423	EA		3' To 4' Lonicera fragrantissima - Winter Honeysuckle	76.60	
32 93 33 00-0424	EA		30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	34.78	
32 93 33 00-0425	EA		36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	41.74	
32 93 33 00-0426	EA		42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	46.38	
32 93 33 00-0427	EA		48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	51.01	
32 93 33 00-0428	EA		1 Gallon Myrica cerifera - Wax Myrtle	6.67	
32 93 33 00-0429	EA		4 Gallon Myrica cerifera - Wax Myrtle	21.33	
32 93 33 00-0430	EA		7 Gallon Myrica cerifera - Wax Myrtle	46.67	
32 93 33 00-0431	EA		10 Gallon Myrica cerifera - Wax Myrtle	69.33	
32 93 33 00-0432	EA		15 Gallon Myrica cerifera - Wax Myrtle	106.66	
32 93 33 00-0433	EA		45 Gallon Myrica cerifera - Wax Myrtle	319.99	
32 93 33 00-0434	EA		1' - 2' Myrica cerifera - Wax Myrtle	9.33	
32 93 33 00-0435	EA		3' - 4' Myrica cerifera - Wax Myrtle	32.00	
32 93 33 00-0436	EA		5' - 6' Myrica cerifera - Wax Myrtle	58.67	
32 93 33 00-0437	EA		7' - 8' Myrica cerifera - Wax Myrtle	80.00	
32 93 33 00-0438	EA		9' - 10' Myrica cerifera - Wax Myrtle	106.66	
32 93 33 00-0439	EA		11' - 12' Myrica cerifera - Wax Myrtle	162.66	
32 93 33 00-0440	EA		3 Gallon Myrica pensylvanica - Northern Bayberry	34.78	
32 93 33 00-0441	EA		24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	56.81	
32 93 33 00-0442	EA		30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	83.48	
32 93 33 00-0443	EA		36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	99.71	
32 93 33 00-0444	EA		48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	104.35	
32 93 33 00-0445	EA		1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.27	
32 93 33 00-0446	EA		5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	22.92	
32 93 33 00-0447	EA		15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	90.99	
32 93 33 00-0448	EA		1 Gallon Nandina domestica - Heavenly Bamboo	11.96	
32 93 33 00-0449	EA		2 Gallon Nandina domestica - Heavenly Bamboo	26.16	
32 93 33 00-0450	EA		5 Gallon Nandina domestica - Heavenly Bamboo	39.61	
32 93 33 00-0451	EA		15 Gallon Nerium oleander - Oleander	99.57	
32 93 33 00-0452	EA		24" Box Nerium oleander - Oleander	357.80	
32 93 33 00-0453	EA		1 Gallon Osmanthus fragrans - Fragrant Tea Olive	7.35	
32 93 33 00-0454	EA		3 Gallon Osmanthus fragrans - Fragrant Tea Olive	19.93	
32 93 33 00-0455	EA		1 Gallon Philadelphus - Evergreen Mockorange	10.21	
32 93 33 00-0456	EA		5 Gallon Philadelphus - Evergreen Mockorange	33.13	
32 93 33 00-0457	EA		36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	34.78	
32 93 33 00-0458	EA		42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	40.58	
32 93 33 00-0459	EA		48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	46.38	
32 93 33 00-0460	EA		1 Gallon Photinia fraseri - Red-Tipped Photinia	9.27	
32 93 33 00-0461	EA		5 Gallon Photinia fraseri - Red-Tipped Photinia	22.92	
32 93 33 00-0462	EA		15 Gallon Photinia fraseri - Red-Tipped Photinia	90.99	
32 93 33 00-0463	EA		1 Gallon Phormium tenax - New Zealand Flax	9.77	
32 93 33 00-0464	EA		5 Gallon Phormium tenax - New Zealand Flax	23.42	
32 93 33 00-0465	EA		15 Gallon Phormium tenax - New Zealand Flax	99.57	
32 93 33 00-0466	EA		24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	34.78	
32 93 33 00-0467	EA		30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	40.58	
32 93 33 00-0468	EA		36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	46.38	
32 93 33 00-0469	EA		42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	57.97	
32 93 33 00-0470	EA		48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	69.56	
32 93 33 00-0471	EA		12" To 15" Spread Pieris - Mountain Andromeda	32.01	
32 93 33 00-0472	EA		15" To 18" Spread Pieris - Mountain Andromeda	68.63	
32 93 33 00-0473	EA		12" To 15" Pieris japonica - Japanese Andromeda	41.60	
32 93 33 00-0474	EA		15" To 18" Pieris japonica - Japanese Andromeda	47.58	
32 93 33 00-0475	EA		18" To 24" Pieris japonica - Japanese Andromeda	59.54	
32 93 33 00-0476	EA		2' To 2-1/2' Pieris japonica - Japanese Andromeda	84.57	
32 93 33 00-0477	EA		2-1/2' To 3' Pieris japonica - Japanese Andromeda	100.39	
32 93 33 00-0478	EA		24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	35.69	
32 93 33 00-0479	EA		30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	45.68	
32 93 33 00-0480	EA		36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	54.96	
32 93 33 00-0481	EA		48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	70.67	
32 93 33 00-0482	EA		60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	84.95	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	-----	-------------	---------------------------	-------------------------

32 93 33 00-0483	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	124.21	
32 93 33 00-0484	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	77.09	
32 93 33 00-0485	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	92.80	
32 93 33 00-0486	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	123.49	
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	4.40	
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	11.33	
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.40	
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	11.33	
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	19.87	
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	10.64	
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	25.22	
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.27	
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	22.92	
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	90.99	
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	19.71	
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	27.83	
32 93 33 00-0499	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	20.87	
32 93 33 00-0500	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	23.19	
32 93 33 00-0501	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	33.62	
32 93 33 00-0502	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	38.84	
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	4.91	
32 93 33 00-0504	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	12.27	
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	73.16	
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	18.71	
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	23.16	
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	30.14	
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	16.72	
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	21.40	
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	34.12	
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	68.33	
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	20.55	
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	23.08	
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond	26.84	
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	18.25	
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	22.39	
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	26.84	
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	30.75	
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	7.85	
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	23.17	
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	47.58	
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	9.96	
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	33.13	
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	68.63	
32 93 33 00-0526	EA	1 Gallon Ralphialepis indica - Indian Hawthorne	7.97	
32 93 33 00-0527	EA	2 Gallon Ralphialepis indica - Indian Hawthorne	15.19	
32 93 33 00-0528	EA	5 Gallon Ralphialepis indica - Indian Hawthorne	27.03	
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	12.12	
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	34.65	
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	103.98	
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	60.78	
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	83.32	
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	108.36	
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	198.16	
32 93 33 00-0536	EA	1 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	9.87	
32 93 33 00-0537	EA	5 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	23.42	
32 93 33 00-0538	EA	15 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	99.57	
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	12.95	
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	26.16	
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	34.13	
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	39.61	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	46.33	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	58.17	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	84.57	
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	118.82	
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	14.57	
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	26.16	
32 93 33 00-0549	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	44.96	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	58.17	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	84.57	
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	124.18	
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	166.40	
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara	33.13	
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara	118.82	
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron	37.49	
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron	66.01	
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron	97.77	
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea	44.46	
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea	58.17	
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea	76.60	
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea	44.46	
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea	55.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0564 EA 2' To 3' Rhododendron - Ghent Azalea.....	89.80	
32 93 33 00-0565 EA 3' To 4' Rhododendron - Ghent Azalea.....	124.18	
32 93 33 00-0566 EA 4' To 5' Rhododendron - Ghent Azalea.....	166.40	
32 93 33 00-0567 EA 5' To 6' Rhododendron - Ghent Azalea.....	221.95	
32 93 33 00-0568 EA 1 Gallon Rhododendron - Hybrid Rhododendron.....	14.57	
32 93 33 00-0569 EA 2 Gallon Rhododendron - Hybrid Rhododendron.....	31.51	
32 93 33 00-0570 EA 3 Gallon Rhododendron - Hybrid Rhododendron.....	44.71	
32 93 33 00-0571 EA 5 Gallon Rhododendron - Hybrid Rhododendron.....	49.94	
32 93 33 00-0572 EA 15" To 18" Rhododendron - Hybrid Rhododendron.....	42.22	
32 93 33 00-0573 EA 18" To 24" Rhododendron - Hybrid Rhododendron.....	58.17	
32 93 33 00-0574 EA 24" To 30" Rhododendron - Hybrid Rhododendron.....	79.21	
32 93 33 00-0575 EA 30" To 36" Rhododendron - Hybrid Rhododendron.....	92.42	
32 93 33 00-0576 EA 36" To 42" Rhododendron - Hybrid Rhododendron.....	132.15	
32 93 33 00-0577 EA 42" To 48" Rhododendron - Hybrid Rhododendron.....	163.78	
32 93 33 00-0578 EA 15" To 18" Rhododendron - Pjm Rhododendron.....	47.58	
32 93 33 00-0579 EA 18" To 24" Rhododendron - Pjm Rhododendron.....	58.17	
32 93 33 00-0580 EA 2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	84.57	
32 93 33 00-0581 EA 2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	108.36	
32 93 33 00-0582 EA 3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	132.15	
32 93 33 00-0583 EA 12" To 15" Rhododendron - Torch Azalea.....	36.99	
32 93 33 00-0584 EA 15" To 18" Rhododendron - Torch Azalea.....	44.46	
32 93 33 00-0585 EA 18" To 24" Rhododendron - Torch Azalea.....	55.42	
32 93 33 00-0586 EA 2' To 3' Rhododendron - Torch Azalea.....	92.42	
32 93 33 00-0587 EA 3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	41.74	
32 93 33 00-0588 EA 5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	51.01	
32 93 33 00-0589 EA 18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	62.61	
32 93 33 00-0590 EA 24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	78.84	
32 93 33 00-0591 EA 30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	92.75	
32 93 33 00-0592 EA 36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	111.30	
32 93 33 00-0593 EA 1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	11.96	
32 93 33 00-0594 EA 5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	33.13	
32 93 33 00-0595 EA 2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	27.83	
32 93 33 00-0596 EA 5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	38.26	
32 93 33 00-0597 EA 18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	44.06	
32 93 33 00-0598 EA 24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	57.97	
32 93 33 00-0599 EA 36" Balled and Burlapped, Rhus glabra - Smooth Sumac.....	34.78	
32 93 33 00-0600 EA 48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	57.97	
32 93 33 00-0601 EA 72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	92.75	
32 93 33 00-0602 EA 15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	31.30	
32 93 33 00-0603 EA 18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	35.94	
32 93 33 00-0604 EA 24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	52.17	
32 93 33 00-0605 EA 30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	69.56	
32 93 33 00-0606 EA 1 Gallon Rosa hybrids & cvs - Shrub Rose.....	19.13	
32 93 33 00-0607 EA 2 Gallon Rosa hybrids & cvs - Shrub Rose.....	23.19	
32 93 33 00-0608 EA 3 Gallon Rosa hybrids & cvs - Shrub Rose.....	28.98	
32 93 33 00-0609 EA 2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	20.87	
32 93 33 00-0610 EA 3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	26.67	
32 93 33 00-0611 EA 5 Gallon Sambucus canadensis - American Elder.....	38.26	
32 93 33 00-0612 EA 1 Gallon Santolina chamaecyparissus - Lavender Cotton.....	9.27	
32 93 33 00-0613 EA 5 Gallon Santolina chamaecyparissus - Lavender Cotton.....	22.92	
32 93 33 00-0614 EA 1 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	9.27	
32 93 33 00-0615 EA 5 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	22.92	
32 93 33 00-0616 EA 2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	17.19	
32 93 33 00-0617 EA 3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	25.16	
32 93 33 00-0618 EA 1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	9.34	
32 93 33 00-0619 EA 5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	24.41	
32 93 33 00-0620 EA 5 Gallon Senna artemisioides - Feathery Cassia.....	17.29	
32 93 33 00-0621 EA 15 Gallon Senna artemisioides - Feathery Cassia.....	68.79	
32 93 33 00-0622 EA 24" Box Senna artemisioides - Feathery Cassia.....	216.09	
32 93 33 00-0623 EA 1 Gallon Skimmia japonica - Japanese Skimmia.....	11.96	
32 93 33 00-0624 EA 2 Gallon Skimmia japonica - Japanese Skimmia.....	23.79	
32 93 33 00-0625 EA 5 Gallon Skimmia japonica - Japanese Skimmia.....	38.36	
32 93 33 00-0626 EA 1 Gallon Sollya fusiformis - Bluebell Creeper.....	9.27	
32 93 33 00-0627 EA 5 Gallon Sollya fusiformis - Bluebell Creeper.....	22.92	
32 93 33 00-0628 EA 3' To 4' Spiraea - Garland Spiraea.....	55.42	
32 93 33 00-0629 EA 4' To 5' Spiraea - Garland Spiraea.....	84.57	
32 93 33 00-0630 EA 5 Gallon Spiraea - Snowmound Spiraea.....	33.13	
32 93 33 00-0631 EA 18" To 24" Spiraea - Snowmound Spiraea.....	27.15	
32 93 33 00-0632 EA 2' To 3' Spiraea - Snowmound Spiraea.....	38.36	
32 93 33 00-0633 EA 3' To 4' Spiraea - Snowmound Spiraea.....	44.47	
32 93 33 00-0634 EA 4' To 5' Spiraea - Snowmound Spiraea.....	76.60	
32 93 33 00-0635 EA 1 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	11.96	
32 93 33 00-0636 EA 2 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	23.54	
32 93 33 00-0637 EA 3 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	27.25	
32 93 33 00-0638 EA 5 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	29.56	
32 93 33 00-0639 EA 18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	30.14	
32 93 33 00-0640 EA 24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	34.78	
32 93 33 00-0641 EA 30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	39.42	
32 93 33 00-0642 EA 36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	45.80	
32 93 33 00-0643 EA 2 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	18.55	
32 93 33 00-0644 EA 5 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	27.83	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0645 EA 18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	25.51	
32 93 33 00-0646 EA 24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	30.14	
32 93 33 00-0647 EA 30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	34.78	
32 93 33 00-0648 EA 36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	39.42	
32 93 33 00-0649 EA 48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	51.01	
32 93 33 00-0650 EA 1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	11.96	
32 93 33 00-0651 EA 2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	21.45	
32 93 33 00-0652 EA 4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	27.83	
32 93 33 00-0653 EA 18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	24.35	
32 93 33 00-0654 EA 24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	29.56	
32 93 33 00-0655 EA 30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	34.78	
32 93 33 00-0656 EA 36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	39.42	
32 93 33 00-0657 EA 5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	27.83	
32 93 33 00-0658 EA 18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	27.83	
32 93 33 00-0659 EA 24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	32.46	
32 93 33 00-0660 EA 30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	44.06	
32 93 33 00-0661 EA 36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	51.01	
32 93 33 00-0662 EA 42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	60.29	
32 93 33 00-0663 EA 5 Gallon Staphylea trifolia - Bladdernut	39.14	
32 93 33 00-0664 EA 2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra	27.83	
32 93 33 00-0665 EA 5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra	30.14	
32 93 33 00-0666 EA 24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra	34.78	
32 93 33 00-0667 EA 30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra	41.74	
32 93 33 00-0668 EA 2 Gallon Symphoricarpos albus - Common Snowberry	28.98	
32 93 33 00-0669 EA 5 Gallon Symphoricarpos albus - Common Snowberry	30.72	
32 93 33 00-0670 EA 24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	51.01	
32 93 33 00-0671 EA 30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	63.77	
32 93 33 00-0672 EA 36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	74.20	
32 93 33 00-0673 EA 42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	85.79	
32 93 33 00-0674 EA 18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	51.01	
32 93 33 00-0675 EA 24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	55.65	
32 93 33 00-0676 EA 30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	63.77	
32 93 33 00-0677 EA 36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	74.20	
32 93 33 00-0678 EA 42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	85.79	
32 93 33 00-0679 EA 60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	40.58	
32 93 33 00-0680 EA 72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	44.06	
32 93 33 00-0681 EA 36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	34.78	
32 93 33 00-0682 EA 42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	39.42	
32 93 33 00-0683 EA 48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	44.06	
32 93 33 00-0684 EA 60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	51.01	
32 93 33 00-0685 EA 72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	62.61	
32 93 33 00-0686 EA 5 Gallon Syringa x chinensis & cvs - Chinese Lilac	28.98	
32 93 33 00-0687 EA 36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	33.62	
32 93 33 00-0688 EA 48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	44.06	
32 93 33 00-0689 EA 48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	184.34	
32 93 33 00-0690 EA 54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	206.37	
32 93 33 00-0691 EA 60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	227.24	
32 93 33 00-0692 EA 72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	273.62	
32 93 33 00-0693 EA 18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	48.69	
32 93 33 00-0694 EA 24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	63.77	
32 93 33 00-0695 EA 30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	74.20	
32 93 33 00-0696 EA 36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	81.16	
32 93 33 00-0697 EA 15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	48.69	
32 93 33 00-0698 EA 18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	63.77	
32 93 33 00-0699 EA 24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	75.36	
32 93 33 00-0700 EA 30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	89.27	
32 93 33 00-0701 EA 36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	134.49	
32 93 33 00-0702 EA 36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	74.20	
32 93 33 00-0703 EA 48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	99.71	
32 93 33 00-0704 EA 60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	150.72	
32 93 33 00-0705 EA 72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	220.28	
32 93 33 00-0706 EA 84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	252.75	
32 93 33 00-0707 EA 96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	293.33	
32 93 33 00-0708 EA 15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	32.46	
32 93 33 00-0709 EA 18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	45.22	
32 93 33 00-0710 EA 24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	63.77	
32 93 33 00-0711 EA 3' To 4' Viburnum dilatatum - Linden Viburnum	55.43	
32 93 33 00-0712 EA 4' To 5' Viburnum dilatatum - Linden Viburnum	84.57	
32 93 33 00-0713 EA 5' To 6' Viburnum dilatatum - Linden Viburnum	110.98	
32 93 33 00-0714 EA 1 Gallon Viburnum japonicum - Japanese Viburnum	6.73	
32 93 33 00-0715 EA 3 Gallon Viburnum japonicum - Japanese Viburnum	18.43	
32 93 33 00-0716 EA 5 Gallon Viburnum plicatum - Japanese Snowball	33.13	
32 93 33 00-0717 EA 5' To 6' Viburnum plicatum - Japanese Snowball	124.18	
32 93 33 00-0718 EA 2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	58.17	
32 93 33 00-0719 EA 3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	68.63	
32 93 33 00-0720 EA 4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	96.53	
32 93 33 00-0721 EA 30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	63.77	
32 93 33 00-0722 EA 36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	76.52	
32 93 33 00-0723 EA 24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	57.97	
32 93 33 00-0724 EA 30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	69.56	
32 93 33 00-0725 EA 36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	81.16	



Exterior Improvements		32
Planting		32 90
Plants		32 93

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 33 00-0726	EA 42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	92.75	
32 93 33 00-0727	EA 1 Gallon Viburnum davidii - David Viburnum	9.27	
32 93 33 00-0728	EA 5 Gallon Viburnum davidii - David Viburnum	22.92	
32 93 33 00-0729	EA 36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	32.46	
32 93 33 00-0730	EA 42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	34.78	
32 93 33 00-0731	EA 48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	40.58	
32 93 33 00-0732	EA 60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	46.38	
32 93 33 00-0733	EA 72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	51.01	
32 93 33 00-0734	EA 30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	31.30	
32 93 33 00-0735	EA 36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	34.78	
32 93 33 00-0736	EA 42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	44.06	
32 93 33 00-0737	EA 48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	51.01	
32 93 33 00-0738	EA 60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	69.56	
32 93 33 00-0739	EA 72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	83.48	
32 93 33 00-0740	EA 36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	34.78	
32 93 33 00-0741	EA 48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	46.38	
32 93 33 00-0742	EA 5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	57.97	
32 93 33 00-0743	EA 6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	81.16	
32 93 33 00-0744	EA 7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	115.94	
32 93 33 00-0745	EA 8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	162.31	
32 93 33 00-0746	EA 9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	208.69	
32 93 33 00-0747	EA 30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	41.74	
32 93 33 00-0748	EA 36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	46.38	
32 93 33 00-0749	EA 36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	83.48	
32 93 33 00-0750	EA 48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	127.53	
32 93 33 00-0751	EA 60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	162.31	
32 93 33 00-0752	EA 72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	197.10	
32 93 33 00-0753	EA 84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	243.47	
32 93 33 00-0754	EA 96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	289.85	
32 93 33 00-0755	EA 108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	347.82	
32 93 33 00-0756	EA 120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	405.79	
32 93 33 00-0757	EA 30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	35.36	
32 93 33 00-0758	EA 36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	38.84	
32 93 33 00-0759	EA 48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	44.06	
32 93 33 00-0760	EA 60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	51.01	
32 93 33 00-0761	EA 72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	58.55	
32 93 33 00-0762	EA 18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	33.62	
32 93 33 00-0763	EA 24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	40.58	
32 93 33 00-0764	EA 30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	48.69	
32 93 33 00-0765	EA 36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	55.65	
32 93 33 00-0766	EA 42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	67.24	
32 93 33 00-0767	EA 48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	74.20	
32 93 33 00-0768	EA 30" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum	57.97	
32 93 33 00-0769	EA 36" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum	69.56	
32 93 33 00-0770	EA 42" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum	81.16	
32 93 33 00-0771	EA 48" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum	92.75	
32 93 33 00-0772	EA 60" Balled and Burlapped, Viburnum x carcephalum & cvs - Fragrant Viburnum	104.35	
32 93 33 00-0773	EA 30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	74.20	
32 93 33 00-0774	EA 36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	83.48	
32 93 33 00-0775	EA 42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	95.07	
32 93 33 00-0776	EA 48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	108.98	
32 93 33 00-0777	EA 2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	68.63	
32 93 33 00-0778	EA 3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	84.57	
32 93 33 00-0779	EA 4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	124.18	
32 93 33 00-0780	EA 5 Gallon Weigela florida & cvs - Old Fashioned Weigela	38.26	
32 93 33 00-0781	EA 24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	34.78	
32 93 33 00-0782	EA 30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	39.42	
32 93 33 00-0783	EA 36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	44.06	
32 93 33 00-0784	EA 42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	51.01	
32 93 33 00-0785	EA 48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	57.97	
32 93 33 00-0786	EA 1 Gallon Xylosma congestum - Shiny Xylosma	7.97	
32 93 33 00-0787	EA 5 Gallon Xylosma congestum - Shiny Xylosma	22.54	
32 93 33 00-0788	EA 15 Gallon Xylosma congestum - Shiny Xylosma	99.14	
32 93 33 00-0789	EA 1 Gallon Yucca aloifolia - Spanish Bayonet	6.73	
32 93 33 00-0790	EA 3 Gallon Yucca aloifolia - Spanish Bayonet	17.81	
32 93 33 00-0791	EA 1 Gallon Yucca filamentosa - Adams Needle	9.34	
32 93 33 00-0792	EA 3 Gallon Yucca filamentosa - Adams Needle	18.18	
32 93 33 00-0793	EA 5 Gallon Yucca filamentosa - Adams Needle	28.77	
32 93 33 00-0794	EA 5 Gallon Border Forsythia - Goldenbells	32.01	
32 93 33 00-0795	EA 2' To 3' Border Forsythia - Goldenbells	26.40	
32 93 33 00-0796	EA 3' To 4' Border Forsythia - Goldenbells	33.38	
32 93 33 00-0797	EA 4' To 5' Border Forsythia - Goldenbells	41.60	
32 93 33 00-0798	EA 5' To 6' Border Forsythia - Goldenbells	49.94	
32 93 33 00-0799	EA 6' To 8' Border Forsythia - Goldenbells	68.63	
32 93 33 00-0800	EA 3' Juniperus chinensis - Columnar Chinese Juniper	68.00	
32 93 33 00-0801	EA 4' Juniperus chinensis - Columnar Chinese Juniper	93.33	
32 93 33 00-0802	EA 5' Juniperus chinensis - Columnar Chinese Juniper	146.66	
32 93 33 00-0803	EA 6' Juniperus chinensis - Columnar Chinese Juniper	170.66	
32 93 33 00-0804	EA 7' Juniperus chinensis - Columnar Chinese Juniper	223.99	
32 93 33 00-0805	EA 2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	13.33	
32 93 33 00-0806	EA 3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	18.67	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

32 93 33 00-0807	EA		5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	45.20	
32 93 33 00-0808	EA		2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	13.33	
32 93 33 00-0809	EA		3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	18.67	

32 93 43 Trees (32 93)

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6'	Clump Form Acer ginnala & cvs - Amur Maple	319.15	
32 93 43 00-0003	EA	7'	Clump Form Acer ginnala & cvs - Amur Maple	390.07	
32 93 43 00-0004	EA	8'	Clump Form Acer ginnala & cvs - Amur Maple	443.26	
32 93 43 00-0005	EA	10'	Clump Form Acer ginnala & cvs - Amur Maple	514.18	
32 93 43 00-0006	EA	12'	Clump Form Acer ginnala & cvs - Amur Maple	585.10	
32 93 43 00-0007	EA	14'	Clump Form Acer ginnala & cvs - Amur Maple	691.49	
32 93 43 00-0008	EA	1-1/2"	To 2" Caliper Acer griseum - Paperbark Maple	253.22	
32 93 43 00-0009	EA	2"	To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,134.75	
32 93 43 00-0010	EA	2-1/2"	To 3" Caliper Acer griseum - Paperbark Maple	1,418.43	
32 93 43 00-0011	EA	5'	Clump Form Acer griseum - Paperbark Maple	283.69	
32 93 43 00-0012	EA	1-1/2"	Caliper Aesculus californica - California Buckeye	709.22	
32 93 43 00-0013	EA	2"	Caliper Aesculus californica - California Buckeye	921.98	
32 93 43 00-0014	EA	2-1/2"	Caliper Aesculus californica - California Buckeye	1,063.83	
32 93 43 00-0015	EA	3"	Caliper Aesculus californica - California Buckeye	1,205.67	
32 93 43 00-0016	EA	3-1/2"	Caliper Aesculus californica - California Buckeye	1,418.43	
32 93 43 00-0017	EA	36"	Balled and Burlapped, Amelanchier arborea & cvs - Saskatoon Serviceberry	92.75	
32 93 43 00-0018	EA	48"	Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	115.94	
32 93 43 00-0019	EA	60"	Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	143.76	
32 93 43 00-0020	EA	60"	Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	115.94	
32 93 43 00-0021	EA	72"	Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	139.13	
32 93 43 00-0022	EA	7'	Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	162.31	
32 93 43 00-0023	EA	8'	Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	185.50	
32 93 43 00-0024	EA	5'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	208.69	
32 93 43 00-0025	EA	6'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	231.88	
32 93 43 00-0026	EA	7'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	266.66	
32 93 43 00-0027	EA	8'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	301.44	
32 93 43 00-0028	EA	9'	Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	347.82	
32 93 43 00-0029	EA	1-1/2"	Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	354.61	
32 93 43 00-0030	EA	2"	Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	496.45	
32 93 43 00-0031	EA	2-1/2"	Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	531.91	
32 93 43 00-0032	EA	3"	Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	620.57	
32 93 43 00-0033	EA	6'	Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	443.26	
32 93 43 00-0034	EA	7'	Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	531.91	
32 93 43 00-0035	EA	8'	Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	620.57	
32 93 43 00-0036	EA	10'	Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	709.22	
32 93 43 00-0037	EA	12'	Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	797.87	
32 93 43 00-0038	EA	14'	Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	886.52	
32 93 43 00-0039	EA	7'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	266.66	
32 93 43 00-0040	EA	8'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	313.04	
32 93 43 00-0041	EA	9'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	359.41	
32 93 43 00-0042	EA	10'	Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	394.19	
32 93 43 00-0043	EA	30"	Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	92.75	
32 93 43 00-0044	EA	48"	Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	197.10	
32 93 43 00-0045	EA	60"	Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	255.07	
32 93 43 00-0046	EA	2'	To 4' Amelemchier - Juneberry	28.23	
32 93 43 00-0047	EA	4'	To 5' Amelemchier - Juneberry	29.62	
32 93 43 00-0048	EA	5'	To 6' Amelemchier - Juneberry	35.26	
32 93 43 00-0049	EA	6'	To 8' Amelemchier - Juneberry	42.07	
32 93 43 00-0050	EA	3'	Clump Form Asimina triloba - Paw-Paw	248.23	
32 93 43 00-0051	EA	4'	Clump Form Asimina triloba - Paw-Paw	283.69	
32 93 43 00-0052	EA	5'	Clump Form Asimina triloba - Paw-Paw	390.07	
32 93 43 00-0053	EA	1-1/2"	Caliper Carpinus caroliniana - American Hornbeam Ironwood	531.91	
32 93 43 00-0054	EA	2"	Caliper Carpinus caroliniana - American Hornbeam Ironwood	620.57	
32 93 43 00-0055	EA	2-1/2"	Caliper Carpinus caroliniana - American Hornbeam Ironwood	797.87	
32 93 43 00-0056	EA	5'	Clump Form Carpinus caroliniana - American Hornbeam Ironwood	319.15	
32 93 43 00-0057	EA	6'	Clump Form Carpinus caroliniana - American Hornbeam Ironwood	390.07	
32 93 43 00-0058	EA	7'	Clump Form Carpinus caroliniana - American Hornbeam Ironwood	531.91	
32 93 43 00-0059	EA	8'	Clump Form Carpinus caroliniana - American Hornbeam Ironwood	620.57	
32 93 43 00-0060	EA	10'	Clump Form Carpinus caroliniana - American Hornbeam Ironwood	744.68	
32 93 43 00-0061	EA	12'	Clump Form Carpinus caroliniana - American Hornbeam Ironwood	904.25	
32 93 43 00-0062	EA	14'	Clump Form Carpinus caroliniana - American Hornbeam Ironwood	1,028.37	
32 93 43 00-0063	EA	6'	Cercis occidentalis - Western Redbud	198.60	
32 93 43 00-0064	EA	8'	Cercis occidentalis - Western Redbud	273.23	
32 93 43 00-0065	EA	2-1/2"	Caliper Cercis occidentalis - Western Redbud	562.76	
32 93 43 00-0066	EA	3"	Caliper Cercis occidentalis - Western Redbud	685.10	
32 93 43 00-0067	EA	15 Gallon	Cercis canadensis & cvs - Eastern Redbud	173.34	
32 93 43 00-0068	EA	20 Gallon	Cercis canadensis & cvs - Eastern Redbud	216.68	
32 93 43 00-0069	EA	6'	Clump Form Cercis canadensis & cvs - Eastern Redbud	425.53	
32 93 43 00-0070	EA	7'	Clump Form Cercis canadensis & cvs - Eastern Redbud	585.10	
32 93 43 00-0071	EA	8'	Clump Form Cercis canadensis & cvs - Eastern Redbud	744.68	
32 93 43 00-0072	EA	1-1/2"	Caliper Cercis canadensis & cvs - Eastern Redbud	407.80	



Exterior Improvements 32

Planting 32 90

Plants 32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0073 EA 2" Caliper Cercis canadensis & cvs - Eastern Redbud	478.72	
32 93 43 00-0074 EA 5' To 6' Chaenomeles - Orange Quince	112.01	
32 93 43 00-0075 EA 6' To 8' Chaenomeles - Orange Quince	140.01	
32 93 43 00-0076 EA 5' Clump Form Chionanthus virginicus - White Fringetree	354.61	
32 93 43 00-0077 EA 6' Clump Form Chionanthus virginicus - White Fringetree	443.26	
32 93 43 00-0078 EA 7' Clump Form Chionanthus virginicus - White Fringetree	567.37	
32 93 43 00-0079 EA 4' To 5' Cornus - Pink Or Red Flowering Dogwood	128.00	
32 93 43 00-0080 EA 5' To 6' Cornus - Pink Or Red Flowering Dogwood	160.01	
32 93 43 00-0081 EA 6' To 7' Cornus - Pink Or Red Flowering Dogwood	224.01	
32 93 43 00-0082 EA 7' To 8' Cornus - Pink Or Red Flowering Dogwood	288.01	
32 93 43 00-0083 EA 4' To 5' Cornus - White Flowering Dogwood	85.34	
32 93 43 00-0084 EA 5' To 6' Cornus - White Flowering Dogwood	128.00	
32 93 43 00-0085 EA 6' To 7' Cornus - White Flowering Dogwood	179.21	
32 93 43 00-0086 EA 3' To 4' Cornus kousa - Japanese Dogwood	85.34	
32 93 43 00-0087 EA 4' To 5' Cornus kousa - Japanese Dogwood	98.14	
32 93 43 00-0088 EA 5' To 6' Cornus kousa - Japanese Dogwood	128.00	
32 93 43 00-0089 EA 6' To 8' Cornus kousa - Japanese Dogwood	187.74	
32 93 43 00-0090 EA 8' To 10' Cornus kousa - Japanese Dogwood	256.01	
32 93 43 00-0091 EA 1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	407.80	
32 93 43 00-0092 EA 2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	496.45	
32 93 43 00-0093 EA 4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	195.03	
32 93 43 00-0094 EA 5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	248.23	
32 93 43 00-0095 EA 6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	283.69	
32 93 43 00-0096 EA 7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	319.15	
32 93 43 00-0097 EA 8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	390.07	
32 93 43 00-0098 EA 4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	195.03	
32 93 43 00-0099 EA 5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	248.23	
32 93 43 00-0100 EA 6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	301.42	
32 93 43 00-0101 EA 7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	354.61	
32 93 43 00-0102 EA 8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	496.45	
32 93 43 00-0103 EA 1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	443.26	
32 93 43 00-0104 EA 2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	531.91	
32 93 43 00-0105 EA 2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	620.57	
32 93 43 00-0106 EA 1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	354.61	
32 93 43 00-0107 EA 2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	443.26	
32 93 43 00-0108 EA 2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	549.64	
32 93 43 00-0109 EA 3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	620.57	
32 93 43 00-0110 EA 3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	709.22	
32 93 43 00-0111 EA 4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	797.87	
32 93 43 00-0112 EA 6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	354.61	
32 93 43 00-0113 EA 7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	425.53	
32 93 43 00-0114 EA 8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	496.45	
32 93 43 00-0115 EA 10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	620.57	
32 93 43 00-0116 EA 12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	797.87	
32 93 43 00-0117 EA 1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	283.69	
32 93 43 00-0118 EA 2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	319.15	
32 93 43 00-0119 EA 2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	354.61	
32 93 43 00-0120 EA 3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	407.80	
32 93 43 00-0121 EA 3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	531.91	
32 93 43 00-0122 EA 4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	602.83	
32 93 43 00-0123 EA 6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	248.23	
32 93 43 00-0124 EA 7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	301.42	
32 93 43 00-0125 EA 8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	354.61	
32 93 43 00-0126 EA 10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	443.26	
32 93 43 00-0127 EA 12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	549.64	
32 93 43 00-0128 EA 14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	656.03	
32 93 43 00-0129 EA 16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	762.41	
32 93 43 00-0130 EA 1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	283.69	
32 93 43 00-0131 EA 2" Caliper Crataegus viridis - Winter King Hawthorn	319.15	
32 93 43 00-0132 EA 2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	443.26	
32 93 43 00-0133 EA 3" Caliper Crataegus viridis - Winter King Hawthorn	585.10	
32 93 43 00-0134 EA 6' Clump Form Crataegus viridis - Winter King Hawthorn	265.96	
32 93 43 00-0135 EA 7' Clump Form Crataegus viridis - Winter King Hawthorn	354.61	
32 93 43 00-0136 EA 8' Clump Form Crataegus viridis - Winter King Hawthorn	443.26	
32 93 43 00-0137 EA 10' Clump Form Crataegus viridis - Winter King Hawthorn	531.91	
32 93 43 00-0138 EA 4' Clump Form Hamamelis virginiana - Common Witchhazel	177.30	
32 93 43 00-0139 EA 5' Clump Form Hamamelis virginiana - Common Witchhazel	230.50	
32 93 43 00-0140 EA 6' Clump Form Hamamelis virginiana - Common Witchhazel	283.69	
32 93 43 00-0141 EA 7' Clump Form Hamamelis virginiana - Common Witchhazel	390.07	
32 93 43 00-0142 EA 8' Clump Form Hamamelis virginiana - Common Witchhazel	531.91	
32 93 43 00-0143 EA 1 Gallon Ilex Cassine - Casine Holly (Dahoon)	10.20	
32 93 43 00-0144 EA 5 Gallon Ilex Cassine - Casine Holly (Dahoon)	32.62	
32 93 43 00-0145 EA 4' To 5' Ilex Cassine - Casine Holly (Dahoon)	56.07	
32 93 43 00-0146 EA 6' To 7' Ilex Cassine - Casine Holly (Dahoon)	107.05	
32 93 43 00-0147 EA 8' To 9' Ilex Cassine - Casine Holly (Dahoon)	142.73	
32 93 43 00-0148 EA 10' To 12' Ilex Cassine - Casine Holly (Dahoon)	183.51	
32 93 43 00-0149 EA 2' To 3' Magnolia Virginiana - Sweetbay Magnolia	67.20	
32 93 43 00-0150 EA 3' To 4' Magnolia Virginiana - Sweetbay Magnolia	100.80	
32 93 43 00-0151 EA 4' To 5' Magnolia Virginiana - Sweetbay Magnolia	126.01	
32 93 43 00-0152 EA 5' To 6' Magnolia Virginiana - Sweetbay Magnolia	156.94	
32 93 43 00-0153 EA 4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	265.96	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0154	EA 5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	354.61	
32 93 43 00-0155	EA 6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	460.99	
32 93 43 00-0156	EA 7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	514.18	
32 93 43 00-0157	EA 9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	691.49	
32 93 43 00-0158	EA 8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	620.57	
32 93 43 00-0159	EA 4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	265.96	
32 93 43 00-0160	EA 5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	354.61	
32 93 43 00-0161	EA 6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	460.99	
32 93 43 00-0162	EA 7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	514.18	
32 93 43 00-0163	EA 8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	620.57	
32 93 43 00-0164	EA 9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	691.49	
32 93 43 00-0165	EA 4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	265.96	
32 93 43 00-0166	EA 5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	354.61	
32 93 43 00-0167	EA 6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	460.99	
32 93 43 00-0168	EA 7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	514.18	
32 93 43 00-0169	EA 8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	620.57	
32 93 43 00-0170	EA 9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	691.49	
32 93 43 00-0171	EA 4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	265.96	
32 93 43 00-0172	EA 5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	354.61	
32 93 43 00-0173	EA 6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	460.99	
32 93 43 00-0174	EA 7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	514.18	
32 93 43 00-0175	EA 8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	620.57	
32 93 43 00-0176	EA 9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	691.49	
32 93 43 00-0177	EA 4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	265.96	
32 93 43 00-0178	EA 5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	354.61	
32 93 43 00-0179	EA 6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	460.99	
32 93 43 00-0180	EA 7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	514.18	
32 93 43 00-0181	EA 8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	620.57	
32 93 43 00-0182	EA 9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	691.49	
32 93 43 00-0183	EA 5 Gallon Malus - Crabapple	72.00	
32 93 43 00-0184	EA 15 Gallon Malus - Crabapple	183.61	
32 93 43 00-0185	EA 20 Gallon Malus - Crabapple	216.01	
32 93 43 00-0186	EA 1-1/2" Caliper Malus cvs - Crabapple Varieties.....	212.77	
32 93 43 00-0187	EA 2" Caliper Malus cvs - Crabapple Varieties.....	283.69	
32 93 43 00-0188	EA 2-1/2" Caliper Malus cvs - Crabapple Varieties.....	354.61	
32 93 43 00-0189	EA 3" Caliper Malus cvs - Crabapple Varieties.....	425.53	
32 93 43 00-0190	EA 3-1/2" Caliper Malus cvs - Crabapple Varieties.....	496.45	
32 93 43 00-0191	EA 4" Caliper Malus cvs - Crabapple Varieties.....	567.37	
32 93 43 00-0192	EA 6' Clump Form Malus cvs - Crabapple Varieties	319.15	
32 93 43 00-0193	EA 7' Clump Form Malus cvs - Crabapple Varieties	354.61	
32 93 43 00-0194	EA 8' Clump Form Malus cvs - Crabapple Varieties	443.26	
32 93 43 00-0195	EA 10' Clump Form Malus cvs - Crabapple Varieties	496.45	
32 93 43 00-0196	EA 12' Clump Form Malus cvs - Crabapple Varieties	638.30	
32 93 43 00-0197	EA 1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	354.61	
32 93 43 00-0198	EA 2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	443.26	
32 93 43 00-0199	EA 4' Clump Form Malus dwarf cvs - Dwarf Crabapple	265.96	
32 93 43 00-0200	EA 5' Clump Form Malus dwarf cvs - Dwarf Crabapple	336.88	
32 93 43 00-0201	EA 6' Clump Form Malus dwarf cvs - Dwarf Crabapple	407.80	
32 93 43 00-0202	EA 7' Clump Form Malus dwarf cvs - Dwarf Crabapple	460.99	
32 93 43 00-0203	EA 8' Clump Form Malus dwarf cvs - Dwarf Crabapple	514.18	
32 93 43 00-0204	EA 9' Clump Form Malus dwarf cvs - Dwarf Crabapple	567.37	
32 93 43 00-0205	EA 4' To 5' Oxydendrum arboreum - Sourwood	162.67	
32 93 43 00-0206	EA 5' To 6' Oxydendrum arboreum - Sourwood	203.34	
32 93 43 00-0207	EA 6' To 7' Oxydendrum arboreum - Sourwood	244.01	
32 93 43 00-0208	EA 7' To 8' Oxydendrum arboreum - Sourwood	284.68	
32 93 43 00-0209	EA 1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	6.05	
32 93 43 00-0210	EA 5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	25.61	
32 93 43 00-0211	EA 20 Gallon Prunus subhirtella - Flowering Cherry	349.77	
32 93 43 00-0212	EA 1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	361.56	
32 93 43 00-0213	EA 2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	451.90	
32 93 43 00-0214	EA 3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	943.07	
32 93 43 00-0215	EA 3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	726.85	
32 93 43 00-0216	EA 4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,414.61	
32 93 43 00-0217	EA 5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	90.34	
32 93 43 00-0218	EA 15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	247.46	
32 93 43 00-0219	EA 20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	322.28	
32 93 43 00-0220	EA 5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	102.13	
32 93 43 00-0221	EA 6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	196.40	
32 93 43 00-0222	EA 1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	361.56	
32 93 43 00-0223	EA 2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	432.25	
32 93 43 00-0224	EA 1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	283.00	
32 93 43 00-0225	EA 1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	236.67	
32 93 43 00-0226	EA 1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	345.66	
32 93 43 00-0227	EA 2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	412.62	
32 93 43 00-0228	EA 2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	530.45	
32 93 43 00-0229	EA 4' To 6' Prunus - Pigeon Plum	143.01	
32 93 43 00-0230	EA 8' To 10' Prunus - Pigeon Plum	486.24	
32 93 43 00-0231	EA 10' To 12' Prunus - Pigeon Plum	617.81	
32 93 43 00-0232	EA 14' To 16' Prunus - Pigeon Plum	972.48	
32 93 43 00-0233	EA 6' To 8' Prunus yedoensis - Yoshino Cherry	204.44	
32 93 43 00-0234	EA 1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	314.42	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0316	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	318.93
32 93 43 00-0317	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	896.98
32 93 43 00-0318	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	2,292.30
32 93 43 00-0319	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	27.91
32 93 43 00-0320	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	117.60
32 93 43 00-0321	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	318.93
32 93 43 00-0322	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	896.98
32 93 43 00-0323	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	2,292.30
32 93 43 00-0324	EA	1 Gallon Pittosporum undulatum - Victorian Box	11.15
32 93 43 00-0325	EA	5 Gallon Pittosporum undulatum - Victorian Box	24.01
32 93 43 00-0326	EA	15 Gallon Pittosporum undulatum - Victorian Box	135.48
32 93 43 00-0327	EA	24" Box Pittosporum undulatum - Victorian Box	325.85
32 93 43 00-0328	EA	36" Box Pittosporum undulatum - Victorian Box	943.25
32 93 43 00-0329	EA	48" Box Pittosporum undulatum - Victorian Box	2,143.75
32 93 43 00-0330	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	99.57
32 93 43 00-0331	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	358.69

32 93 43 00-0332**Deciduous Shade Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0333	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	216.65
32 93 43 00-0334	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	265.57
32 93 43 00-0335	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	345.95
32 93 43 00-0336	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	448.45
32 93 43 00-0337	EA	2' To 2-1/2' Acer palmatum - Japanese Maple.....	22.85
32 93 43 00-0338	EA	4' To 5' Acer palmatum - Japanese Maple.....	47.99
32 93 43 00-0339	EA	5' To 6' Acer palmatum - Japanese Maple.....	62.84
32 93 43 00-0340	EA	6' To 7' Acer palmatum - Japanese Maple.....	114.26
32 93 43 00-0341	EA	7' To 8' Acer palmatum - Japanese Maple.....	159.96
32 93 43 00-0342	EA	8' To 10' Acer palmatum - Japanese Maple.....	205.66
32 93 43 00-0343	EA	10' To 12' Acer palmatum - Japanese Maple.....	274.22
32 93 43 00-0344	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	116.48
32 93 43 00-0345	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	141.80
32 93 43 00-0346	EA	3" Caliper Acer platanoides & cvs - Norway Maple.....	182.32
32 93 43 00-0347	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	212.70
32 93 43 00-0348	EA	4" Caliper Acer platanoides & cvs - Norway Maple.....	227.90
32 93 43 00-0349	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	248.15
32 93 43 00-0350	EA	5" Caliper Acer platanoides & cvs - Norway Maple.....	278.54
32 93 43 00-0351	EA	2" Caliper Acer rubrum & cvs - Red Maple	111.42
32 93 43 00-0352	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	141.80
32 93 43 00-0353	EA	3" Caliper Acer rubrum & cvs - Red Maple	182.32
32 93 43 00-0354	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	222.83
32 93 43 00-0355	EA	4" Caliper Acer rubrum & cvs - Red Maple	253.22
32 93 43 00-0356	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	293.73
32 93 43 00-0357	EA	5" Caliper Acer rubrum & cvs - Red Maple	329.18
32 93 43 00-0358	EA	8' Clump Form Acer rubrum & cvs - Red Maple.....	136.74
32 93 43 00-0359	EA	10' Clump Form Acer rubrum & cvs - Red Maple.....	182.32
32 93 43 00-0360	EA	12' Clump Form Acer rubrum & cvs - Red Maple.....	212.70
32 93 43 00-0361	EA	14' Clump Form Acer rubrum & cvs - Red Maple.....	243.09
32 93 43 00-0362	EA	16' Clump Form Acer rubrum & cvs - Red Maple.....	273.47
32 93 43 00-0363	EA	18' Clump Form Acer rubrum & cvs - Red Maple.....	303.86
32 93 43 00-0364	EA	2" Caliper Acer saccharinum & cvs - Silver Maple.....	91.16
32 93 43 00-0365	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	121.54
32 93 43 00-0366	EA	3" Caliper Acer saccharinum & cvs - Silver Maple.....	151.93
32 93 43 00-0367	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	182.32
32 93 43 00-0368	EA	4" Caliper Acer saccharinum & cvs - Silver Maple.....	212.70
32 93 43 00-0369	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	243.09
32 93 43 00-0370	EA	5" Caliper Acer saccharinum & cvs - Silver Maple.....	273.47
32 93 43 00-0371	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	111.42
32 93 43 00-0372	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	146.87
32 93 43 00-0373	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	177.25
32 93 43 00-0374	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	202.57
32 93 43 00-0375	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	238.02
32 93 43 00-0376	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	273.47
32 93 43 00-0377	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	303.86
32 93 43 00-0378	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	202.57
32 93 43 00-0379	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	238.02
32 93 43 00-0380	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	278.54
32 93 43 00-0381	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	308.93
32 93 43 00-0382	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	374.76
32 93 43 00-0383	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	405.15
32 93 43 00-0384	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	126.61
32 93 43 00-0385	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	156.99
32 93 43 00-0386	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	192.45
32 93 43 00-0387	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	222.83
32 93 43 00-0388	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	243.09
32 93 43 00-0389	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	268.41
32 93 43 00-0390	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	298.80
32 93 43 00-0391	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	182.32
32 93 43 00-0392	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	241.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0393	EA		14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	280.56	
32 93 43 00-0394	EA		16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	308.93	
32 93 43 00-0395	EA		18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	374.76	
32 93 43 00-0396	EA		20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	405.15	
32 93 43 00-0397	EA		2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	177.25	
32 93 43 00-0398	EA		2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	197.51	
32 93 43 00-0399	EA		3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	222.83	
32 93 43 00-0400	EA		3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	253.22	
32 93 43 00-0401	EA		4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	303.86	
32 93 43 00-0402	EA		2" Caliper Aesculus x carnea - Red Horsechestnut.....	177.25	
32 93 43 00-0403	EA		2-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	197.51	
32 93 43 00-0404	EA		3" Caliper Aesculus x carnea - Red Horsechestnut.....	222.83	
32 93 43 00-0405	EA		3-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	253.22	
32 93 43 00-0406	EA		4" Caliper Aesculus x carnea - Red Horsechestnut.....	303.86	
32 93 43 00-0407	EA		2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	126.61	
32 93 43 00-0408	EA		2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	146.87	
32 93 43 00-0409	EA		3" Caliper Alnus glutinosa - Common Alder, Black Alder.....	167.12	
32 93 43 00-0410	EA		3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	192.45	
32 93 43 00-0411	EA		8' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	131.67	
32 93 43 00-0412	EA		10' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	162.06	
32 93 43 00-0413	EA		12' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	182.32	
32 93 43 00-0414	EA		14' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	202.57	
32 93 43 00-0415	EA		16' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	227.90	
32 93 43 00-0416	EA		18' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	253.22	
32 93 43 00-0417	EA		2" Caliper Betula nigra - River Birch.....	126.61	
32 93 43 00-0418	EA		2-1/2" Caliper Betula nigra - River Birch.....	143.37	
32 93 43 00-0419	EA		3" Caliper Betula nigra - River Birch.....	162.06	
32 93 43 00-0420	EA		3-1/2" Caliper Betula nigra - River Birch.....	202.57	
32 93 43 00-0421	EA		4" Caliper Betula nigra - River Birch.....	227.90	
32 93 43 00-0422	EA		4-1/2" Caliper Betula nigra - River Birch.....	253.22	
32 93 43 00-0423	EA		5" Caliper Betula nigra - River Birch.....	278.54	
32 93 43 00-0424	EA		8' Clump Form Betula nigra - River Birch.....	116.48	
32 93 43 00-0425	EA		10' Clump Form Betula nigra - River Birch.....	131.67	
32 93 43 00-0426	EA		12' Clump Form Betula nigra - River Birch.....	151.93	
32 93 43 00-0427	EA		14' Clump Form Betula nigra - River Birch.....	177.25	
32 93 43 00-0428	EA		16' Clump Form Betula nigra - River Birch.....	202.57	
32 93 43 00-0429	EA		12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	151.93	
32 93 43 00-0430	EA		14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	182.32	
32 93 43 00-0431	EA		16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	212.70	
32 93 43 00-0432	EA		18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	253.22	
32 93 43 00-0433	EA		20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	263.35	
32 93 43 00-0434	EA		10' - 12' Bursera Simaruba - Gumbo Limbo.....	64.06	
32 93 43 00-0435	EA		12' - 14' Bursera Simaruba - Gumbo Limbo.....	75.71	
32 93 43 00-0436	EA		14' - 16' Bursera Simaruba - Gumbo Limbo.....	104.83	
32 93 43 00-0437	EA		17' - 18' Bursera Simaruba - Gumbo Limbo.....	136.28	
32 93 43 00-0438	EA		19' - 20' Bursera Simaruba - Gumbo Limbo.....	151.42	
32 93 43 00-0439	EA		21' - 22' Bursera Simaruba - Gumbo Limbo.....	179.38	
32 93 43 00-0440	EA		2" Caliper Carpinus betulus & cvs - European Hornbeam.....	202.57	
32 93 43 00-0441	EA		2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	227.90	
32 93 43 00-0442	EA		3" Caliper Carpinus betulus & cvs - European Hornbeam.....	263.35	
32 93 43 00-0443	EA		3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	319.05	
32 93 43 00-0444	EA		6' Clump Form Carpinus betulus & cvs - European Hornbeam.....	91.16	
32 93 43 00-0445	EA		7' Clump Form Carpinus betulus & cvs - European Hornbeam.....	126.61	
32 93 43 00-0446	EA		8' Clump Form Carpinus betulus & cvs - European Hornbeam.....	156.99	
32 93 43 00-0447	EA		2" Caliper Catalpa speciosa - Western Catalpa.....	111.42	
32 93 43 00-0448	EA		2-1/2" Caliper Catalpa speciosa - Western Catalpa.....	151.93	
32 93 43 00-0449	EA		3" Caliper Catalpa speciosa - Western Catalpa.....	197.51	
32 93 43 00-0450	EA		3-1/2" Caliper Catalpa speciosa - Western Catalpa.....	238.02	
32 93 43 00-0451	EA		4" Caliper Catalpa speciosa - Western Catalpa.....	273.47	
32 93 43 00-0452	EA		2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	141.80	
32 93 43 00-0453	EA		2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	162.06	
32 93 43 00-0454	EA		3" Caliper Celtis occidentalis & cvs - Common Hackberry.....	197.51	
32 93 43 00-0455	EA		3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	232.96	
32 93 43 00-0456	EA		4" Caliper Celtis occidentalis & cvs - Common Hackberry.....	268.41	
32 93 43 00-0457	EA		4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	303.86	
32 93 43 00-0458	EA		3" Caliper Cercidiphyllum japonicum - Katsuratree.....	177.25	
32 93 43 00-0459	EA		3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree.....	202.57	
32 93 43 00-0460	EA		4" Caliper Cercidiphyllum japonicum - Katsuratree.....	238.02	
32 93 43 00-0461	EA		5" Caliper Cercidiphyllum japonicum - Katsuratree.....	283.60	
32 93 43 00-0462	EA		6' Clump Form Cercidiphyllum japonicum - Katsuratree.....	141.80	
32 93 43 00-0463	EA		7' Clump Form Cercidiphyllum japonicum - Katsuratree.....	167.12	
32 93 43 00-0464	EA		8' Clump Form Cercidiphyllum japonicum - Katsuratree.....	202.57	
32 93 43 00-0465	EA		10' Clump Form Cercidiphyllum japonicum - Katsuratree.....	253.22	
32 93 43 00-0466	EA		12' Clump Form Cercidiphyllum japonicum - Katsuratree.....	303.86	
32 93 43 00-0467	EA		2" Caliper Cladrastus lutea - American Yellowwood.....	253.22	
32 93 43 00-0468	EA		2-1/2" Caliper Cladrastus lutea - American Yellowwood.....	303.86	
32 93 43 00-0469	EA		3" Caliper Cladrastus lutea - American Yellowwood.....	354.50	
32 93 43 00-0470	EA		3-1/2" Caliper Cladrastus lutea - American Yellowwood.....	405.15	
32 93 43 00-0471	EA		2" Caliper Corylus colurna californica - Western Turkish Filbert.....	156.99	
32 93 43 00-0472	EA		2-1/2" Caliper Corylus colurna californica - Western Turkish Filbert.....	177.25	
32 93 43 00-0473	EA		3" Caliper Corylus colurna californica - Western Turkish Filbert.....	202.57	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0474	EA		3-1/2" Caliper Corylus columna californica - Western Turkish Filbert.....	232.96	
32 93 43 00-0475	EA		4" Caliper Corylus columna californica - Western Turkish Filbert.....	278.54	
32 93 43 00-0476	EA		4-1/2" Caliper Corylus columna californica - Western Turkish Filbert.....	324.12	
32 93 43 00-0477	EA		5" Caliper Corylus columna californica - Western Turkish Filbert.....	369.70	
32 93 43 00-0478	EA		8' Clump Form Corylus cornuta californica - Western Filbert.....	141.80	
32 93 43 00-0479	EA		10' Clump Form Corylus cornuta californica - Western Filbert.....	172.19	
32 93 43 00-0480	EA		12' Clump Form Corylus cornuta californica - Western Filbert.....	202.57	
32 93 43 00-0481	EA		14' Clump Form Corylus columna californica - Western Turkish Filbert.....	227.90	
32 93 43 00-0482	EA		16' Clump Form Corylus columna californica - Western Turkish Filbert.....	253.22	
32 93 43 00-0483	EA		1-1/2" Caliper Diospyros - Persimmon.....	91.16	
32 93 43 00-0484	EA		2" Caliper Diospyros - Persimmon.....	111.42	
32 93 43 00-0485	EA		2-1/2" Caliper Diospyros - Persimmon.....	141.80	
32 93 43 00-0486	EA		3" Caliper Diospyros - Persimmon.....	177.25	
32 93 43 00-0487	EA		3-1/2" Caliper Diospyros - Persimmon.....	212.70	
32 93 43 00-0488	EA		1-1/2" Caliper Fagus grandifolia - American Beech.....	202.57	
32 93 43 00-0489	EA		2" Caliper Fagus grandifolia - American Beech.....	263.35	
32 93 43 00-0490	EA		2-1/2" Caliper Fagus grandifolia - American Beech.....	334.25	
32 93 43 00-0491	EA		3" Caliper Fagus grandifolia - American Beech.....	405.15	
32 93 43 00-0492	EA		3-1/2" Caliper Fagus grandifolia - American Beech.....	481.11	
32 93 43 00-0493	EA		2" Caliper Fagus sylvatica & cvs - European Beech.....	227.90	
32 93 43 00-0494	EA		2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	273.47	
32 93 43 00-0495	EA		3" Caliper Fagus sylvatica & cvs - European Beech.....	329.18	
32 93 43 00-0496	EA		3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	364.63	
32 93 43 00-0497	EA		4" Caliper Fagus sylvatica & cvs - European Beech.....	430.47	
32 93 43 00-0498	EA		4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	557.08	
32 93 43 00-0499	EA		5" Caliper Fagus sylvatica & cvs - European Beech.....	658.37	
32 93 43 00-0500	EA		2" Caliper Fraxinus americana & cvs - White Ash.....	126.61	
32 93 43 00-0501	EA		2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	151.93	
32 93 43 00-0502	EA		3" Caliper Fraxinus americana & cvs - White Ash.....	192.45	
32 93 43 00-0503	EA		3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	232.96	
32 93 43 00-0504	EA		4" Caliper Fraxinus americana & cvs - White Ash.....	273.47	
32 93 43 00-0505	EA		4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	303.86	
32 93 43 00-0506	EA		5" Caliper Fraxinus americana & cvs - White Ash.....	354.50	
32 93 43 00-0507	EA		2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	111.42	
32 93 43 00-0508	EA		2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	131.67	
32 93 43 00-0509	EA		3" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	177.25	
32 93 43 00-0510	EA		3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	212.70	
32 93 43 00-0511	EA		4" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	253.22	
32 93 43 00-0512	EA		4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	273.47	
32 93 43 00-0513	EA		5" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	303.86	
32 93 43 00-0514	EA		1-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	151.93	
32 93 43 00-0515	EA		2" Caliper Fraxinus quadrangulata - Blue Ash.....	187.38	
32 93 43 00-0516	EA		2-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	227.90	
32 93 43 00-0517	EA		3" Caliper Fraxinus quadrangulata - Blue Ash.....	278.54	
32 93 43 00-0518	EA		3-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	329.18	
32 93 43 00-0519	EA		1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	177.25	
32 93 43 00-0520	EA		2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	197.51	
32 93 43 00-0521	EA		2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	222.83	
32 93 43 00-0522	EA		3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	248.15	
32 93 43 00-0523	EA		3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	278.54	
32 93 43 00-0524	EA		4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	303.86	
32 93 43 00-0525	EA		4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	455.79	
32 93 43 00-0526	EA		5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	506.43	
32 93 43 00-0527	EA		2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	121.54	
32 93 43 00-0528	EA		2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	151.93	
32 93 43 00-0529	EA		3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	182.32	
32 93 43 00-0530	EA		3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	212.70	
32 93 43 00-0531	EA		4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	243.09	
32 93 43 00-0532	EA		4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	273.47	
32 93 43 00-0533	EA		5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	324.12	
32 93 43 00-0534	EA		2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	156.99	
32 93 43 00-0535	EA		2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	192.45	
32 93 43 00-0536	EA		3" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	227.90	
32 93 43 00-0537	EA		3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	268.41	
32 93 43 00-0538	EA		4" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	303.86	
32 93 43 00-0539	EA		4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	339.31	
32 93 43 00-0540	EA		5" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	379.83	
32 93 43 00-0541	EA		1-1/2" Caliper Juglans cinerea - Butternut.....	121.54	
32 93 43 00-0542	EA		2" Caliper Juglans cinerea - Butternut.....	141.80	
32 93 43 00-0543	EA		2-1/2" Caliper Juglans cinerea - Butternut.....	177.25	
32 93 43 00-0544	EA		3" Caliper Juglans cinerea - Butternut.....	222.83	
32 93 43 00-0545	EA		3-1/2" Caliper Juglans cinerea - Butternut.....	273.47	
32 93 43 00-0546	EA		1-1/2" Caliper Juglans californica - California Walnut.....	121.54	
32 93 43 00-0547	EA		2" Caliper Juglans californica - California Walnut.....	141.80	
32 93 43 00-0548	EA		2-1/2" Caliper Juglans californica - California Walnut.....	177.25	
32 93 43 00-0549	EA		3" Caliper Juglans californica - California Walnut.....	222.83	
32 93 43 00-0550	EA		3-1/2" Caliper Juglans californica - California Walnut.....	273.47	
32 93 43 00-0551	EA		4" Caliper Juglans californica - California Walnut.....	329.18	
32 93 43 00-0552	EA		4-1/2" Caliper Juglans californica - California Walnut.....	379.83	
32 93 43 00-0553	EA		5" Caliper Juglans californica - California Walnut.....	430.47	
32 93 43 00-0554	EA		5 Gallon Koeleruteria Paniculata - Goldenrain Tree.....	13.71	



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-0555	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree		34.28	
32 93 43 00-0556	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree		68.55	
32 93 43 00-0557	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree		89.12	
32 93 43 00-0558	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree		65.13	
32 93 43 00-0559	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree		78.84	
32 93 43 00-0560	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree		109.69	
32 93 43 00-0561	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum		162.06	
32 93 43 00-0562	EA	2" Caliper Liquidambar styraciflua - American Sweetgum		202.57	
32 93 43 00-0563	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum		253.22	
32 93 43 00-0564	EA	3" Caliper Liquidambar styraciflua - American Sweetgum		303.86	
32 93 43 00-0565	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum		354.50	
32 93 43 00-0566	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree		162.06	
32 93 43 00-0567	EA	2" Caliper Liriodendron tulipifera - Tulip Tree		222.83	
32 93 43 00-0568	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree		263.35	
32 93 43 00-0569	EA	3" Caliper Liriodendron tulipifera - Tulip Tree		303.86	
32 93 43 00-0570	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree		344.38	
32 93 43 00-0571	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree		121.54	
32 93 43 00-0572	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree		217.77	
32 93 43 00-0573	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree		263.35	
32 93 43 00-0574	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		162.06	
32 93 43 00-0575	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		202.57	
32 93 43 00-0576	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		253.22	
32 93 43 00-0577	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		303.86	
32 93 43 00-0578	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		354.50	
32 93 43 00-0579	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		70.90	
32 93 43 00-0580	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		81.03	
32 93 43 00-0581	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		96.22	
32 93 43 00-0582	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		121.54	
32 93 43 00-0583	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		151.93	
32 93 43 00-0584	EA	2" Caliper Ostrya virginiana - American Hophornbeam		131.67	
32 93 43 00-0585	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam		167.12	
32 93 43 00-0586	EA	3" Caliper Ostrya virginiana - American Hophornbeam		202.57	
32 93 43 00-0587	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam		238.02	
32 93 43 00-0588	EA	4" Caliper Ostrya virginiana - American Hophornbeam		288.67	
32 93 43 00-0589	EA	2" Caliper Phellodendron amurense - Amur Corktree		101.29	
32 93 43 00-0590	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree		126.61	
32 93 43 00-0591	EA	3" Caliper Phellodendron amurense - Amur Corktree		151.93	
32 93 43 00-0592	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree		177.25	
32 93 43 00-0593	EA	4" Caliper Phellodendron amurense - Amur Corktree		202.57	
32 93 43 00-0594	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree		227.90	
32 93 43 00-0595	EA	5" Caliper Phellodendron amurense - Amur Corktree		253.22	
32 93 43 00-0596	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore		220.02	
32 93 43 00-0597	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore		320.03	
32 93 43 00-0598	EA	42" Box Platanus occidentalis - Buttonwood Sycamore		476.07	
32 93 43 00-0599	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore		73.62	
32 93 43 00-0600	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore		88.01	
32 93 43 00-0601	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore		120.01	
32 93 43 00-0602	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore		145.64	
32 93 43 00-0603	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood		60.57	
32 93 43 00-0604	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood		75.71	
32 93 43 00-0605	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood		133.95	
32 93 43 00-0606	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood		192.19	
32 93 43 00-0607	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree		121.54	
32 93 43 00-0608	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree		146.87	
32 93 43 00-0609	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree		177.25	
32 93 43 00-0610	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree		212.70	
32 93 43 00-0611	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree		253.22	
32 93 43 00-0612	EA	2" Caliper Populus alba & cvs - White Poplar		121.54	
32 93 43 00-0613	EA	2-1/2" Caliper Populus alba & cvs - White Poplar		141.80	
32 93 43 00-0614	EA	3" Caliper Populus alba & cvs - White Poplar		162.06	
32 93 43 00-0615	EA	3-1/2" Caliper Populus alba & cvs - White Poplar		192.45	
32 93 43 00-0616	EA	4" Caliper Populus alba & cvs - White Poplar		212.70	
32 93 43 00-0617	EA	4-1/2" Caliper Populus alba & cvs - White Poplar		243.09	
32 93 43 00-0618	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood		111.42	
32 93 43 00-0619	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood		146.87	
32 93 43 00-0620	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood		177.25	
32 93 43 00-0621	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood		212.70	
32 93 43 00-0622	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood		253.22	
32 93 43 00-0623	EA	6' To 8' Quercus acutissima - Sawtooth Oak		38.09	
32 93 43 00-0624	EA	8' To 10' Quercus acutissima - Sawtooth Oak		57.13	
32 93 43 00-0625	EA	10' To 12' Quercus acutissima - Sawtooth Oak		66.65	
32 93 43 00-0626	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak		76.17	
32 93 43 00-0627	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak		85.69	
32 93 43 00-0628	EA	2" Caliper Quercus alba - White Oak		151.93	
32 93 43 00-0629	EA	2-1/2" Caliper Quercus alba - White Oak		177.25	
32 93 43 00-0630	EA	3" Caliper Quercus alba - White Oak		222.83	
32 93 43 00-0631	EA	3-1/2" Caliper Quercus alba - White Oak		278.54	
32 93 43 00-0632	EA	4" Caliper Quercus alba - White Oak		329.18	
32 93 43 00-0633	EA	4-1/2" Caliper Quercus alba - White Oak		405.15	
32 93 43 00-0634	EA	5" Caliper Quercus alba - White Oak		481.11	
32 93 43 00-0635	EA	2" Caliper Quercus bicolor - Swamp White Oak		177.25	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0636	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	202.57	
32 93 43 00-0637	EA	3" Caliper Quercus bicolor - Swamp White Oak	232.96	
32 93 43 00-0638	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	258.28	
32 93 43 00-0639	EA	4" Caliper Quercus bicolor - Swamp White Oak	293.73	
32 93 43 00-0640	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	324.12	
32 93 43 00-0641	EA	5" Caliper Quercus bicolor - Swamp White Oak	364.63	
32 93 43 00-0642	EA	10' Clump Form Quercus bicolor - Swamp White Oak	253.22	
32 93 43 00-0643	EA	12' Clump Form Quercus bicolor - Swamp White Oak	303.86	
32 93 43 00-0644	EA	14' Clump Form Quercus bicolor - Swamp White Oak	354.50	
32 93 43 00-0645	EA	16' Clump Form Quercus bicolor - Swamp White Oak	405.15	
32 93 43 00-0646	EA	2" Caliper Quercus coccinea - Scarlet Oak	131.67	
32 93 43 00-0647	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	167.12	
32 93 43 00-0648	EA	3" Caliper Quercus coccinea - Scarlet Oak	207.64	
32 93 43 00-0649	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	253.22	
32 93 43 00-0650	EA	4" Caliper Quercus coccinea - Scarlet Oak	303.86	
32 93 43 00-0651	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	359.57	
32 93 43 00-0652	EA	5" Caliper Quercus coccinea - Scarlet Oak	420.34	
32 93 43 00-0653	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	131.67	
32 93 43 00-0654	EA	2" Caliper Quercus imbricaria - Shingle Oak	177.25	
32 93 43 00-0655	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	238.02	
32 93 43 00-0656	EA	3" Caliper Quercus imbricaria - Shingle Oak	354.50	
32 93 43 00-0657	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	481.11	
32 93 43 00-0658	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	131.67	
32 93 43 00-0659	EA	2" Caliper Quercus macrocarpa - Bur Oak	156.99	
32 93 43 00-0660	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	187.38	
32 93 43 00-0661	EA	3" Caliper Quercus macrocarpa - Bur Oak	227.90	
32 93 43 00-0662	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	278.54	
32 93 43 00-0663	EA	4" Caliper Quercus macrocarpa - Bur Oak	329.18	
32 93 43 00-0664	EA	9' Clump Form Quercus macrocarpa - Bur Oak	303.86	
32 93 43 00-0665	EA	10' Clump Form Quercus macrocarpa - Bur Oak	354.50	
32 93 43 00-0666	EA	12' Clump Form Quercus macrocarpa - Bur Oak	405.15	
32 93 43 00-0667	EA	2" Caliper Quercus palustris - Pin Oak	111.42	
32 93 43 00-0668	EA	2-1/2" Caliper Quercus palustris - Pin Oak	151.93	
32 93 43 00-0669	EA	3" Caliper Quercus palustris - Pin Oak	197.51	
32 93 43 00-0670	EA	3-1/2" Caliper Quercus palustris - Pin Oak	227.90	
32 93 43 00-0671	EA	4" Caliper Quercus palustris - Pin Oak	263.35	
32 93 43 00-0672	EA	4-1/2" Caliper Quercus palustris - Pin Oak	298.80	
32 93 43 00-0673	EA	5" Caliper Quercus palustris - Pin Oak	329.18	
32 93 43 00-0674	EA	2" Caliper Quercus robur & cvs - English Oak	131.67	
32 93 43 00-0675	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	162.06	
32 93 43 00-0676	EA	3" Caliper Quercus robur & cvs - English Oak	192.45	
32 93 43 00-0677	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	227.90	
32 93 43 00-0678	EA	4" Caliper Quercus robur & cvs - English Oak	263.35	
32 93 43 00-0679	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	303.86	
32 93 43 00-0680	EA	5" Caliper Quercus robur & cvs - English Oak	344.38	
32 93 43 00-0681	EA	2" Caliper Quercus rubra - Red Oak	151.93	
32 93 43 00-0682	EA	2-1/2" Caliper Quercus rubra - Red Oak	177.25	
32 93 43 00-0683	EA	3" Caliper Quercus rubra - Red Oak	212.70	
32 93 43 00-0684	EA	3-1/2" Caliper Quercus rubra - Red Oak	253.22	
32 93 43 00-0685	EA	4" Caliper Quercus rubra - Red Oak	303.86	
32 93 43 00-0686	EA	4-1/2" Caliper Quercus rubra - Red Oak	354.50	
32 93 43 00-0687	EA	5" Caliper Quercus rubra - Red Oak	405.15	
32 93 43 00-0688	EA	16' Clump Form Quercus rubra - Red Oak	329.18	
32 93 43 00-0689	EA	18' Clump Form Quercus rubra - Red Oak	395.02	
32 93 43 00-0690	EA	20' Clump Form Quercus rubra - Red Oak	440.60	
32 93 43 00-0691	EA	2" Caliper Quercus shumardii - Shumard Oak	172.19	
32 93 43 00-0692	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	217.77	
32 93 43 00-0693	EA	3" Caliper Quercus shumardii - Shumard Oak	253.22	
32 93 43 00-0694	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	303.86	
32 93 43 00-0695	EA	4" Caliper Quercus shumardii - Shumard Oak	354.50	
32 93 43 00-0696	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	405.15	
32 93 43 00-0697	EA	5" Caliper Quercus shumardii - Shumard Oak	455.79	
32 93 43 00-0698	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	301.64	
32 93 43 00-0699	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	406.52	
32 93 43 00-0700	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	549.79	
32 93 43 00-0701	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	733.82	
32 93 43 00-0702	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	885.25	
32 93 43 00-0703	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	978.43	
32 93 43 00-0704	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,316.22	
32 93 43 00-0705	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak	1,654.02	
32 93 43 00-0706	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	1,991.81	
32 93 43 00-0707	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,416.96	
32 93 43 00-0708	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	2,842.11	
32 93 43 00-0709	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	151.93	
32 93 43 00-0710	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	182.32	
32 93 43 00-0711	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	227.90	
32 93 43 00-0712	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	278.54	
32 93 43 00-0713	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	324.12	
32 93 43 00-0714	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	364.63	
32 93 43 00-0715	EA	2" Caliper Salix alba & cvs - White Willow	81.03	
32 93 43 00-0716	EA	2-1/2" Caliper Salix alba & cvs - White Willow	96.22	



Exterior Improvements 32

Planting 32 90

Plants 32 93

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0717 EA 3" Caliper Salix alba & cvs - White Willow	126.61	
32 93 43 00-0718 EA 3-1/2" Caliper Salix alba & cvs - White Willow	151.93	
32 93 43 00-0719 EA 4" Caliper Salix alba & cvs - White Willow	182.32	
32 93 43 00-0720 EA 4-1/2" Caliper Salix alba & cvs - White Willow	212.70	
32 93 43 00-0721 EA 5" Caliper Salix alba & cvs - White Willow	243.09	
32 93 43 00-0722 EA 24" Box Salix babylonica - Weeping Willow	128.01	
32 93 43 00-0723 EA 36" Box Salix babylonica - Weeping Willow	320.03	
32 93 43 00-0724 EA 1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	73.62	
32 93 43 00-0725 EA 2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	88.01	
32 93 43 00-0726 EA 2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	96.01	
32 93 43 00-0727 EA 5' Clump Form Sassafras albidum - Common Sassafras	96.22	
32 93 43 00-0728 EA 6' Clump Form Sassafras albidum - Common Sassafras	116.48	
32 93 43 00-0729 EA 7' Clump Form Sassafras albidum - Common Sassafras	146.87	
32 93 43 00-0730 EA 8' Clump Form Sassafras albidum - Common Sassafras	167.12	
32 93 43 00-0731 EA 10' Clump Form Sassafras albidum - Common Sassafras	187.38	
32 93 43 00-0732 EA 12' Clump Form Sassafras albidum - Common Sassafras	227.90	
32 93 43 00-0733 EA 14' Clump Form Sassafras albidum - Common Sassafras	278.54	
32 93 43 00-0734 EA 16' Clump Form Sassafras albidum - Common Sassafras	329.18	
32 93 43 00-0735 EA 1-3/4" Caliper Sophora japonica - Chinese Scholar	167.73	
32 93 43 00-0736 EA 2" Caliper Sophora japonica - Chinese Scholar	186.37	
32 93 43 00-0737 EA 2-1/2" Caliper Sophora japonica - Chinese Scholar	250.43	
32 93 43 00-0738 EA 3" Caliper Sophora japonica - Chinese Scholar	326.14	
32 93 43 00-0739 EA 3-1/2" Caliper Sophora japonica - Chinese Scholar	378.56	
32 93 43 00-0740 EA 10' To 12' Swietenia Mahagoni - Mahogany	89.69	
32 93 43 00-0741 EA 12' To 14' Swietenia Mahagoni - Mahogany	104.83	
32 93 43 00-0742 EA 14' To 16' Swietenia Mahagoni - Mahogany	139.78	
32 93 43 00-0743 EA 16' To 18' Swietenia Mahagoni - Mahogany	157.25	
32 93 43 00-0744 EA 2" Caliper Taxodium distichum - Common Bald Cypress	126.61	
32 93 43 00-0745 EA 2-1/2" Caliper Taxodium distichum - Common Bald Cypress	146.87	
32 93 43 00-0746 EA 3" Caliper Taxodium distichum - Common Bald Cypress	177.25	
32 93 43 00-0747 EA 3-1/2" Caliper Taxodium distichum - Common Bald Cypress	202.57	
32 93 43 00-0748 EA 4" Caliper Taxodium distichum - Common Bald Cypress	222.83	
32 93 43 00-0749 EA 6' Clump Form Taxodium distichum - Common Bald Cypress	111.42	
32 93 43 00-0750 EA 7' Clump Form Taxodium distichum - Common Bald Cypress	126.61	
32 93 43 00-0751 EA 8' Clump Form Taxodium distichum - Common Bald Cypress	182.32	
32 93 43 00-0752 EA 10' Clump Form Taxodium distichum - Common Bald Cypress	202.57	
32 93 43 00-0753 EA 12' Clump Form Taxodium distichum - Common Bald Cypress	227.90	
32 93 43 00-0754 EA 14' Clump Form Taxodium distichum - Common Bald Cypress	263.35	
32 93 43 00-0755 EA 16' Clump Form Taxodium distichum - Common Bald Cypress	303.86	
32 93 43 00-0756 EA 2' Thuja occidentalis - American Arborvitae	17.36	
32 93 43 00-0757 EA 2-1/2' Thuja occidentalis - American Arborvitae	18.75	
32 93 43 00-0758 EA 3' Thuja occidentalis - American Arborvitae	26.79	
32 93 43 00-0759 EA 4' Thuja occidentalis - American Arborvitae	36.81	
32 93 43 00-0760 EA 5' Thuja occidentalis - American Arborvitae	51.25	
32 93 43 00-0761 EA 6' Thuja occidentalis - American Arborvitae	71.05	
32 93 43 00-0762 EA 7' Thuja occidentalis - American Arborvitae	86.20	
32 93 43 00-0763 EA 8' Thuja occidentalis - American Arborvitae	121.14	
32 93 43 00-0764 EA 2" Caliper Tilia americana & cvs - American Linden Basswood	126.61	
32 93 43 00-0765 EA 2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	146.87	
32 93 43 00-0766 EA 3" Caliper Tilia americana & cvs - American Linden Basswood	187.38	
32 93 43 00-0767 EA 3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	217.77	
32 93 43 00-0768 EA 4" Caliper Tilia americana & cvs - American Linden Basswood	248.15	
32 93 43 00-0769 EA 4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	278.54	
32 93 43 00-0770 EA 5" Caliper Tilia americana & cvs - American Linden Basswood	303.86	
32 93 43 00-0771 EA 10' Clump Form Tilia americana & cvs - American Linden Basswood	162.06	
32 93 43 00-0772 EA 12' Clump Form Tilia americana & cvs - American Linden Basswood	177.25	
32 93 43 00-0773 EA 14' Clump Form Tilia americana & cvs - American Linden Basswood	202.57	
32 93 43 00-0774 EA 16' Clump Form Tilia americana & cvs - American Linden Basswood	232.96	
32 93 43 00-0775 EA 2" Caliper Tilia cordata & cvs - Littleleaf Linden	127.37	
32 93 43 00-0776 EA 2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	153.85	
32 93 43 00-0777 EA 3" Caliper Tilia cordata & cvs - Littleleaf Linden	177.25	
32 93 43 00-0778 EA 3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	217.77	
32 93 43 00-0779 EA 4" Caliper Tilia cordata & cvs - Littleleaf Linden	248.15	
32 93 43 00-0780 EA 4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	278.54	
32 93 43 00-0781 EA 5" Caliper Tilia cordata & cvs - Littleleaf Linden	308.93	
32 93 43 00-0782 EA 2" Caliper Tilia tomentosa & cvs - Silver Linden	141.80	
32 93 43 00-0783 EA 2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	156.99	
32 93 43 00-0784 EA 3" Caliper Tilia tomentosa & cvs - Silver Linden	172.19	
32 93 43 00-0785 EA 3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	192.45	
32 93 43 00-0786 EA 4" Caliper Tilia tomentosa & cvs - Silver Linden	222.83	
32 93 43 00-0787 EA 4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	263.35	
32 93 43 00-0788 EA 5" Caliper Tilia tomentosa & cvs - Silver Linden	344.38	
32 93 43 00-0789 EA 2" Caliper Tilia x euchlora - Crimean Linden	141.80	
32 93 43 00-0790 EA 2-1/2" Caliper Tilia x euchlora - Crimean Linden	182.32	
32 93 43 00-0791 EA 3" Caliper Tilia x euchlora - Crimean Linden	222.83	
32 93 43 00-0792 EA 3-1/2" Caliper Tilia x euchlora - Crimean Linden	253.22	
32 93 43 00-0793 EA 4" Caliper Tilia x euchlora - Crimean Linden	283.60	
32 93 43 00-0794 EA 4-1/2" Caliper Tilia x euchlora - Crimean Linden	319.05	
32 93 43 00-0795 EA 5" Caliper Tilia x euchlora - Crimean Linden	344.38	
32 93 43 00-0796 EA 2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	141.80	
32 93 43 00-0797 EA 2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	162.06	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

32 93 43 00-0798	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	177.25	
32 93 43 00-0799	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	192.45	
32 93 43 00-0800	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	212.70	
32 93 43 00-0801	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	253.22	
32 93 43 00-0802	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	298.80	
32 93 43 00-0803	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	162.06	
32 93 43 00-0804	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	177.25	
32 93 43 00-0805	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	192.45	
32 93 43 00-0806	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	212.70	
32 93 43 00-0807	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	253.22	
32 93 43 00-0808	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	298.80	
32 93 43 00-0809	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	344.38	
32 93 43 00-0810	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	162.06	
32 93 43 00-0811	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	177.25	
32 93 43 00-0812	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	192.45	
32 93 43 00-0813	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	212.70	
32 93 43 00-0814	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	253.22	
32 93 43 00-0815	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	298.80	
32 93 43 00-0816	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	344.38	
32 93 43 00-0817	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	78.38	
32 93 43 00-0818	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	96.01	
32 93 43 00-0819	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree	121.64	

32 93 43 00-0820**Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0821	EA	6' Abies balsamea - Balsam Fir	123.83	
32 93 43 00-0822	EA	7' Abies balsamea - Balsam Fir	154.79	
32 93 43 00-0823	EA	8' Abies balsamea - Balsam Fir	185.75	
32 93 43 00-0824	EA	9' Abies balsamea - Balsam Fir	247.67	
32 93 43 00-0825	EA	10' Abies balsamea - Balsam Fir	309.59	
32 93 43 00-0826	EA	12' Abies balsamea - Balsam Fir	371.50	
32 93 43 00-0827	EA	6' Abies concolor - White Fir	179.56	
32 93 43 00-0828	EA	7' Abies concolor - White Fir	204.33	
32 93 43 00-0829	EA	8' Abies concolor - White Fir	241.48	
32 93 43 00-0830	EA	9' Abies concolor - White Fir	278.63	
32 93 43 00-0831	EA	10' Abies concolor - White Fir	328.16	
32 93 43 00-0832	EA	12' Abies concolor - White Fir	402.46	
32 93 43 00-0833	EA	14' Abies concolor - White Fir	495.34	
32 93 43 00-0834	EA	16' Abies concolor - White Fir	557.26	
32 93 43 00-0835	EA	6' Abies fraseri - Frasier Fir	123.83	
32 93 43 00-0836	EA	7' Abies fraseri - Frasier Fir	154.79	
32 93 43 00-0837	EA	8' Abies fraseri - Frasier Fir	185.75	
32 93 43 00-0838	EA	9' Abies fraseri - Frasier Fir	247.67	
32 93 43 00-0839	EA	10' Abies fraseri - Frasier Fir	309.59	
32 93 43 00-0840	EA	12' Abies fraseri - Frasier Fir	371.50	
32 93 43 00-0841	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	22.30	
32 93 43 00-0842	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	35.85	
32 93 43 00-0843	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	53.27	
32 93 43 00-0844	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	71.66	
32 93 43 00-0845	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	101.74	
32 93 43 00-0846	EA	6' To 8' Cedrus deodara - Indian Cedar	92.06	
32 93 43 00-0847	EA	8' To 10' Cedrus deodara - Indian Cedar	106.59	
32 93 43 00-0848	EA	10' To 12' Cedrus deodara - Indian Cedar	145.33	
32 93 43 00-0849	EA	12' To 14' Cedrus deodara - Indian Cedar	188.91	
32 93 43 00-0850	EA	14' To 16' Cedrus deodara - Indian Cedar	242.22	
32 93 43 00-0851	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	28.78	
32 93 43 00-0852	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	43.17	
32 93 43 00-0853	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	67.14	
32 93 43 00-0854	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	115.11	
32 93 43 00-0855	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	34.88	
32 93 43 00-0856	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	54.29	
32 93 43 00-0857	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	67.80	
32 93 43 00-0858	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	96.90	
32 93 43 00-0859	EA	1 Gallon Cleyera japonica - Japanese Cleyera	3.92	
32 93 43 00-0860	EA	3 Gallon Cleyera japonica - Japanese Cleyera	9.84	
32 93 43 00-0861	EA	7 Gallon Cleyera japonica - Japanese Cleyera	28.20	
32 93 43 00-0862	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	15.83	
32 93 43 00-0863	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	63.33	
32 93 43 00-0864	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	27.71	
32 93 43 00-0865	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	35.62	
32 93 43 00-0866	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	55.41	
32 93 43 00-0867	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	134.57	
32 93 43 00-0868	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	2.89	
32 93 43 00-0869	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	12.99	
32 93 43 00-0870	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	43.30	
32 93 43 00-0871	EA	5 Gallon Cupressus sempervirens - Italian Cypress	14.90	
32 93 43 00-0872	EA	15 Gallon Cupressus sempervirens - Italian Cypress	40.98	
32 93 43 00-0873	EA	1 Gallon Illicium anisatum - Anise Tree	4.26	
32 93 43 00-0874	EA	3 Gallon Illicium anisatum - Anise Tree	9.84	



MINOR	CSU	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0875	EA		1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	4.38	
32 93 43 00-0876	EA		2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.57	
32 93 43 00-0877	EA		3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	10.62	
32 93 43 00-0878	EA		5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	12.48	
32 93 43 00-0879	EA		1 Gallon Juniperus - Blue Sargent Juniper	4.38	
32 93 43 00-0880	EA		2 Gallon Juniperus - Blue Sargent Juniper	8.57	
32 93 43 00-0881	EA		3 Gallon Juniperus - Blue Sargent Juniper	10.62	
32 93 43 00-0882	EA		5 Gallon Juniperus - Blue Sargent Juniper	12.48	
32 93 43 00-0883	EA		5 Gallon Juniperus - Compact Pfitzer Juniper	12.48	
32 93 43 00-0884	EA		15" To 18" Juniperus - Compact Pfitzer Juniper	13.50	
32 93 43 00-0885	EA		18" To 24" Juniperus - Compact Pfitzer Juniper	16.30	
32 93 43 00-0886	EA		2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	24.21	
32 93 43 00-0887	EA		2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	28.03	
32 93 43 00-0888	EA		5' To 6' Juniperus - Fairview Juniper	41.75	
32 93 43 00-0889	EA		1 Gallon Juniperus - Hollywood Juniper	5.59	
32 93 43 00-0890	EA		5 Gallon Juniperus - Hollywood Juniper	15.55	
32 93 43 00-0891	EA		15 Gallon Juniperus - Hollywood Juniper	65.93	
32 93 43 00-0892	EA		4' To 5' Juniperus - Hollywood Juniper	43.58	
32 93 43 00-0893	EA		5' To 6' Juniperus - Hollywood Juniper	56.16	
32 93 43 00-0894	EA		1 Gallon Juniperus - Parson's Juniper	4.38	
32 93 43 00-0895	EA		2 Gallon Juniperus - Parson's Juniper	8.66	
32 93 43 00-0896	EA		3 Gallon Juniperus - Parson's Juniper	10.71	
32 93 43 00-0897	EA		5 Gallon Juniperus - Parson's Juniper	12.67	
32 93 43 00-0898	EA		5 Gallon Juniperus - Skyrocket Juniper	15.65	
32 93 43 00-0899	EA		15 Gallon Juniperus - Skyrocket Juniper	66.59	
32 93 43 00-0900	EA		2' To 3' Juniperus - Skyrocket Juniper	23.47	
32 93 43 00-0901	EA		3' To 4' Juniperus - Skyrocket Juniper	33.25	
32 93 43 00-0902	EA		4' To 5' Juniperus - Skyrocket Juniper	44.05	
32 93 43 00-0903	EA		5' To 6' Juniperus - Skyrocket Juniper	56.81	
32 93 43 00-0904	EA		6' To 8' Juniperus - Skyrocket Juniper	73.38	
32 93 43 00-0905	EA		1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.38	
32 93 43 00-0906	EA		2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.62	
32 93 43 00-0907	EA		3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	10.57	
32 93 43 00-0908	EA		5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	12.53	
32 93 43 00-0909	EA		1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.38	
32 93 43 00-0910	EA		2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.62	
32 93 43 00-0911	EA		3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	10.57	
32 93 43 00-0912	EA		5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	12.53	
32 93 43 00-0913	EA		2' To 3' Juniperus virginiana - Eastern Red Cedar	23.47	
32 93 43 00-0914	EA		3' To 4' Juniperus virginiana - Eastern Red Cedar	33.25	
32 93 43 00-0915	EA		4' To 5' Juniperus virginiana - Eastern Red Cedar	44.05	
32 93 43 00-0916	EA		5' To 6' Juniperus virginiana - Eastern Red Cedar	56.81	
32 93 43 00-0917	EA		5' Picea abies & cvs - Norway Spruce	136.22	
32 93 43 00-0918	EA		6' Picea abies & cvs - Norway Spruce	154.79	
32 93 43 00-0919	EA		7' Picea abies & cvs - Norway Spruce	185.75	
32 93 43 00-0920	EA		8' Picea abies & cvs - Norway Spruce	216.71	
32 93 43 00-0921	EA		9' Picea abies & cvs - Norway Spruce	291.01	
32 93 43 00-0922	EA		10' Picea abies & cvs - Norway Spruce	352.93	
32 93 43 00-0923	EA		12' Picea abies & cvs - Norway Spruce	433.42	
32 93 43 00-0924	EA		14' Picea abies & cvs - Norway Spruce	526.30	
32 93 43 00-0925	EA		6' Picea glauca - White Spruce	130.03	
32 93 43 00-0926	EA		7' Picea glauca - White Spruce	185.75	
32 93 43 00-0927	EA		8' Picea glauca - White Spruce	216.71	
32 93 43 00-0928	EA		9' Picea glauca - White Spruce	260.05	
32 93 43 00-0929	EA		10' Picea glauca - White Spruce	309.59	
32 93 43 00-0930	EA		12' Picea glauca - White Spruce	371.50	
32 93 43 00-0931	EA		4' Picea glauca densata - Black Hills Spruce	74.30	
32 93 43 00-0932	EA		5' Picea glauca densata - Black Hills Spruce	111.45	
32 93 43 00-0933	EA		6' Picea glauca densata - Black Hills Spruce	167.18	
32 93 43 00-0934	EA		7' Picea glauca densata - Black Hills Spruce	198.14	
32 93 43 00-0935	EA		8' Picea glauca densata - Black Hills Spruce	229.09	
32 93 43 00-0936	EA		9' Picea glauca densata - Black Hills Spruce	253.86	
32 93 43 00-0937	EA		10' Picea glauca densata - Black Hills Spruce	278.63	
32 93 43 00-0938	EA		6' Picea omorika & cvs - Serbian Spruce	167.18	
32 93 43 00-0939	EA		7' Picea omorika & cvs - Serbian Spruce	185.75	
32 93 43 00-0940	EA		8' Picea omorika & cvs - Serbian Spruce	222.90	
32 93 43 00-0941	EA		9' Picea omorika & cvs - Serbian Spruce	260.05	
32 93 43 00-0942	EA		10' Picea omorika & cvs - Serbian Spruce	297.20	
32 93 43 00-0943	EA		5' Picea pungens - Colorado Green Spruce	136.22	
32 93 43 00-0944	EA		6' Picea pungens - Colorado Green Spruce	173.37	
32 93 43 00-0945	EA		7' Picea pungens - Colorado Green Spruce	204.33	
32 93 43 00-0946	EA		8' Picea pungens - Colorado Green Spruce	235.29	
32 93 43 00-0947	EA		9' Picea pungens - Colorado Green Spruce	272.44	
32 93 43 00-0948	EA		10' Picea pungens - Colorado Green Spruce	513.91	
32 93 43 00-0949	EA		12' Picea pungens - Colorado Green Spruce	371.50	
32 93 43 00-0950	EA		14' Picea pungens - Colorado Green Spruce	433.42	
32 93 43 00-0951	EA		16' Picea pungens - Colorado Green Spruce	557.26	
32 93 43 00-0952	EA		5' Picea pungens glauca & cvs - Colorado Blue Spruce	136.22	
32 93 43 00-0953	EA		6' Picea pungens glauca & cvs - Colorado Blue Spruce	185.75	
32 93 43 00-0954	EA		7' Picea pungens glauca & cvs - Colorado Blue Spruce	216.71	
32 93 43 00-0955	EA		8' Picea pungens glauca & cvs - Colorado Blue Spruce	247.67	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

32 93 43 00-0956	EA	9'	Picea pungens glauca & cvs - Colorado Blue Spruce	278.63	
32 93 43 00-0957	EA	10'	Picea pungens glauca & cvs - Colorado Blue Spruce	340.55	
32 93 43 00-0958	EA	12'	Picea pungens glauca & cvs - Colorado Blue Spruce	433.42	
32 93 43 00-0959	EA	16'	Picea pungens glauca & cvs - Colorado Blue Spruce	650.13	
32 93 43 00-0960	EA	4'	Pinus cembra - Swiss Stone Pine	105.26	
32 93 43 00-0961	EA	5'	Pinus cembra - Swiss Stone Pine	130.03	
32 93 43 00-0962	EA	6'	Pinus cembra - Swiss Stone Pine	160.99	
32 93 43 00-0963	EA	6'	Pinus flexilis & cvs - Limber Pine	154.79	
32 93 43 00-0964	EA	7'	Pinus flexilis & cvs - Limber Pine	179.56	
32 93 43 00-0965	EA	8'	Pinus flexilis & cvs - Limber Pine	222.90	
32 93 43 00-0966	EA	9'	Pinus flexilis & cvs - Limber Pine	272.44	
32 93 43 00-0967	EA	10'	Pinus flexilis & cvs - Limber Pine	309.59	
32 93 43 00-0968	EA	2	Gallon Pinus mugo - Mugho Pine	12.20	
32 93 43 00-0969	EA	3	Gallon Pinus mugo - Mugho Pine	15.27	
32 93 43 00-0970	EA	5	Gallon Pinus mugo - Mugho Pine	19.37	
32 93 43 00-0971	EA	12"	To 15" Spread Pinus mugo - Mugho Pine	14.99	
32 93 43 00-0972	EA	15"	To 18" Spread Pinus mugo - Mugho Pine	17.88	
32 93 43 00-0973	EA	18"	To 24" Spread Pinus mugo - Mugho Pine	24.21	
32 93 43 00-0974	EA	2'	To 2-1/2' Spread Pinus mugo - Mugho Pine	33.90	
32 93 43 00-0975	EA	2-1/2'	To 3' Spread Pinus mugo - Mugho Pine	43.58	
32 93 43 00-0976	EA	3'	To 3-1/2' Spread Pinus mugo - Mugho Pine	54.29	
32 93 43 00-0977	EA	3-1/2'	To 4' Spread Pinus mugo - Mugho Pine	65.93	
32 93 43 00-0978	EA	6'	Pinus nigra - Austrian Pine	154.79	
32 93 43 00-0979	EA	7'	Pinus nigra - Austrian Pine	185.75	
32 93 43 00-0980	EA	8'	Pinus nigra - Austrian Pine	241.48	
32 93 43 00-0981	EA	9'	Pinus nigra - Austrian Pine	278.63	
32 93 43 00-0982	EA	10'	Pinus nigra - Austrian Pine	328.16	
32 93 43 00-0983	EA	12'	Pinus nigra - Austrian Pine	371.50	
32 93 43 00-0984	EA	14'	Pinus nigra - Austrian Pine	414.85	
32 93 43 00-0985	EA	16'	Pinus nigra - Austrian Pine	470.57	
32 93 43 00-0986	EA	5'	Pinus peuce - Macedonian Pine	191.94	
32 93 43 00-0987	EA	6'	Pinus peuce - Macedonian Pine	241.48	
32 93 43 00-0988	EA	7'	Pinus peuce - Macedonian Pine	278.63	
32 93 43 00-0989	EA	8'	Pinus peuce - Macedonian Pine	315.78	
32 93 43 00-0990	EA	9'	Pinus peuce - Macedonian Pine	365.31	
32 93 43 00-0991	EA	2'	Pinus strobus - Pyramidal White Pine	17.15	
32 93 43 00-0992	EA	3'	Pinus strobus - Pyramidal White Pine	22.91	
32 93 43 00-0993	EA	4'	Pinus strobus - Pyramidal White Pine	25.28	
32 93 43 00-0994	EA	5'	Pinus strobus - Pyramidal White Pine	27.64	
32 93 43 00-0995	EA	6'	Pinus strobus - Pyramidal White Pine	34.44	
32 93 43 00-0996	EA	7'	Pinus strobus - Pyramidal White Pine	45.82	
32 93 43 00-0997	EA	8'	Pinus strobus - Pyramidal White Pine	62.97	
32 93 43 00-0998	EA	10'	Pinus strobus - Pyramidal White Pine	125.65	
32 93 43 00-0999	EA	12'	Pinus strobus - Pyramidal White Pine	298.60	
32 93 43 00-1000	EA	14'	Pinus strobus - Pyramidal White Pine	400.60	
32 93 43 00-1001	EA	16'	Pinus strobus - Pyramidal White Pine	481.90	
32 93 43 00-1002	EA	2'	Pinus strobus - White Pine	26.35	
32 93 43 00-1003	EA	3'	Pinus strobus - White Pine	37.60	
32 93 43 00-1004	EA	4'	Pinus strobus - White Pine	59.95	
32 93 43 00-1005	EA	5'	Pinus strobus - White Pine	85.45	
32 93 43 00-1006	EA	6'	Pinus strobus - White Pine	125.32	
32 93 43 00-1007	EA	7'	Pinus strobus - White Pine	149.53	
32 93 43 00-1008	EA	8'	Pinus strobus - White Pine	202.22	
32 93 43 00-1009	EA	10'	Pinus strobus - White Pine	272.00	
32 93 43 00-1010	EA	12'	Pinus strobus - White Pine	360.30	
32 93 43 00-1011	EA	14'	Pinus strobus - White Pine	441.47	
32 93 43 00-1012	EA	16'	Pinus strobus - White Pine	536.89	
32 93 43 00-1013	EA	3'	Pinus sylvestris - Scotch Pine	40.68	
32 93 43 00-1014	EA	4'	Pinus sylvestris - Scotch Pine	56.47	
32 93 43 00-1015	EA	5'	Pinus sylvestris - Scotch Pine	79.25	
32 93 43 00-1016	EA	6'	Pinus sylvestris - Scotch Pine	109.97	
32 93 43 00-1017	EA	7'	Pinus sylvestris - Scotch Pine	134.73	
32 93 43 00-1018	EA	8'	Pinus sylvestris - Scotch Pine	190.21	
32 93 43 00-1019	EA	9'	Pinus sylvestris - Scotch Pine	241.48	
32 93 43 00-1020	EA	10'	Pinus sylvestris - Scotch Pine	278.63	
32 93 43 00-1021	EA	12'	Pinus sylvestris - Scotch Pine	328.16	
32 93 43 00-1022	EA	14'	Pinus sylvestris - Scotch Pine	371.50	
32 93 43 00-1023	EA	16'	Pinus sylvestris - Scotch Pine	433.42	
32 93 43 00-1024	EA	5'	To 6' Pinus taeda - Loblolly Pine	17.71	
32 93 43 00-1025	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine	4.38	
32 93 43 00-1026	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine	15.55	
32 93 43 00-1027	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine	50.38	
32 93 43 00-1028	EA	2'	To 3' Pinus thunbergiana - Japanese Black Pine	21.33	
32 93 43 00-1029	EA	3'	To 4' Pinus thunbergiana - Japanese Black Pine	27.10	
32 93 43 00-1030	EA	4'	To 5' Pinus thunbergiana - Japanese Black Pine	40.70	
32 93 43 00-1031	EA	5'	To 6' Pinus thunbergiana - Japanese Black Pine	79.44	
32 93 43 00-1032	EA	6'	To 7' Pinus Thunbergiana - Japanese Black Pine	89.12	
32 93 43 00-1033	EA	7'	To 8' Pinus thunbergiana - Japanese Black Pine	111.38	
32 93 43 00-1034	EA	1	Gallon Pinus mugo - Mugho Pine	5.77	
32 93 43 00-1035	EA	1	Gallon Podocarpus - Chinese Podocarpus	2.89	
32 93 43 00-1036	EA	3	Gallon Podocarpus - Chinese Podocarpus	6.71	



Exterior Improvements 32

Planting 32 90

Plants 32 93

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1037 EA 7 Gallon Podocarpus - Chinese Podocarpus.....	19.37	
32 93 43 00-1038 EA 15 Gallon Podocarpus - Chinese Podocarpus.....	31.48	
32 93 43 00-1039 EA 4' To 5' Podocarpus - Chinese Podocarpus.....	48.43	
32 93 43 00-1040 EA 5' Pseudotsuga menziesii - Douglas Fir.....	123.83	
32 93 43 00-1041 EA 6' Pseudotsuga menziesii - Douglas Fir.....	148.60	
32 93 43 00-1042 EA 7' Pseudotsuga menziesii - Douglas Fir.....	185.75	
32 93 43 00-1043 EA 8' Pseudotsuga menziesii - Douglas Fir.....	222.90	
32 93 43 00-1044 EA 9' Pseudotsuga menziesii - Douglas Fir.....	278.63	
32 93 43 00-1045 EA 10' Pseudotsuga menziesii - Douglas Fir.....	328.16	
32 93 43 00-1046 EA 12' Pseudotsuga menziesii - Douglas Fir.....	371.50	
32 93 43 00-1047 EA 5' To 6' Sequoia sempervirens - Dawn Redwood.....	60.53	
32 93 43 00-1048 EA 6' To 8' Sequoia sempervirens - Dawn Redwood.....	81.72	
32 93 43 00-1049 EA 8' To 10' Sequoia sempervirens - Dawn Redwood.....	99.88	
32 93 43 00-1050 EA 5' To 6' Taxodium distichum & cvs - Bald Cypress.....	43.02	
32 93 43 00-1051 EA 6' To 7' Taxodium distichum & cvs - Bald Cypress.....	53.78	
32 93 43 00-1052 EA 7' To 8' Taxodium distichum & cvs - Bald Cypress.....	66.49	
32 93 43 00-1053 EA 8' To 10' Taxodium distichum & cvs - Bald Cypress.....	84.14	
32 93 43 00-1054 EA 6' Tsuga canadensis - Northern Hemlock.....	123.83	
32 93 43 00-1055 EA 7' Tsuga canadensis - Northern Hemlock.....	154.79	
32 93 43 00-1056 EA 8' Tsuga canadensis - Northern Hemlock.....	210.52	
32 93 43 00-1057 EA 9' Tsuga canadensis - Northern Hemlock.....	247.67	
32 93 43 00-1058 EA 10' Tsuga canadensis - Northern Hemlock.....	278.63	
32 93 43 00-1059 EA 12' Tsuga canadensis - Northern Hemlock.....	309.59	
32 93 43 00-1060 EA 3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....	11.67	
32 93 43 00-1061 EA 3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae.....	21.85	

32 93 43 00-1062

Palm And Subtropical Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1063 EA 4' To 5' Acacia baileyana - Bailey Acacia.....	232.96	
32 93 43 00-1064 EA 6' Acacia baileyana - Bailey Acacia.....	279.55	
32 93 43 00-1065 EA 8' Acacia baileyana - Bailey Acacia.....	326.14	
32 93 43 00-1066 EA 10' Acacia baileyana - Bailey Acacia.....	407.68	
32 93 43 00-1067 EA 6' Agonis flexuosa - Peppermint Tree.....	139.78	
32 93 43 00-1068 EA 8' Agonis flexuosa - Peppermint Tree.....	174.72	
32 93 43 00-1069 EA 10' Agonis flexuosa - Peppermint Tree.....	209.66	
32 93 43 00-1070 EA 24" Box Agonis flexuosa - Peppermint Tree.....	174.14	
32 93 43 00-1071 EA 4' To 5' Archontophoenix cunninghamiana - King Palm.....	95.29	
32 93 43 00-1072 EA 6' To 8' Archontophoenix cunninghamiana - King Palm.....	148.22	
32 93 43 00-1073 EA 8' To 10' Archontophoenix cunninghamiana - King Palm.....	190.58	
32 93 43 00-1074 EA 10' To 12' Archontophoenix cunninghamiana - King Palm.....	254.10	
32 93 43 00-1075 EA 4' To 5' Arecastrum romanzoffianum - Queen Palm.....	72.19	
32 93 43 00-1076 EA 6' To 8' Arecastrum romanzoffianum - Queen Palm.....	101.06	
32 93 43 00-1077 EA 8' To 10' Arecastrum romanzoffianum - Queen Palm.....	129.94	
32 93 43 00-1078 EA 10' To 12' Arecastrum romanzoffianum - Queen Palm.....	158.81	
32 93 43 00-1079 EA 12' To 14' Arecastrum romanzoffianum - Queen Palm.....	192.50	
32 93 43 00-1080 EA 14' To 16' Arecastrum romanzoffianum - Queen Palm.....	240.62	
32 93 43 00-1081 EA 6' Bauhinia purpurea - Purple Orchid Tree.....	519.75	
32 93 43 00-1082 EA 8' Bauhinia purpurea - Purple Orchid Tree.....	693.00	
32 93 43 00-1083 EA 10' Bauhinia purpurea - Purple Orchid Tree.....	866.25	
32 93 43 00-1084 EA 24" Box Bauhinia purpurea - Purple Orchid Tree.....	225.22	
32 93 43 00-1085 EA 6' Bauhinia variegata candida - White Orchid Tree.....	577.50	
32 93 43 00-1086 EA 8' Bauhinia variegata candida - White Orchid Tree.....	770.00	
32 93 43 00-1087 EA 10' Bauhinia variegata candida - White Orchid Tree.....	962.50	
32 93 43 00-1088 EA 4' To 5' Bauninia blakeana - Hong Kong Orchid.....	413.88	
32 93 43 00-1089 EA 6' Bauninia blakeana - Hong Kong Orchid.....	490.88	
32 93 43 00-1090 EA 8' Bauninia blakeana - Hong Kong Orchid.....	654.50	
32 93 43 00-1091 EA 10' Bauninia blakeana - Hong Kong Orchid.....	818.12	
32 93 43 00-1092 EA 6' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	314.50	
32 93 43 00-1093 EA 8' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	419.33	
32 93 43 00-1094 EA 10' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	524.16	
32 93 43 00-1095 EA 6' Callistemon viminalis - Weeping Bottle Brush.....	314.50	
32 93 43 00-1096 EA 8' Callistemon viminalis - Weeping Bottle Brush.....	419.33	
32 93 43 00-1097 EA 10' Callistemon viminalis - Weeping Bottle Brush.....	524.16	
32 93 43 00-1098 EA 12' Callistemon viminalis - Weeping Bottle Brush.....	628.99	
32 93 43 00-1099 EA 3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm.....	202.12	
32 93 43 00-1100 EA 5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm.....	317.62	
32 93 43 00-1101 EA 3' To 4' Chamaerops humilis - European Fan Palm.....	173.25	
32 93 43 00-1102 EA 5' To 6' Chamaerops humilis - European Fan Palm.....	231.00	
32 93 43 00-1103 EA 7' To 8' Chamaerops humilis - European Fan Palm.....	539.00	
32 93 43 00-1104 EA 9' To 10' Chamaerops humilis - European Fan Palm.....	924.00	
32 93 43 00-1105 EA 6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	134.75	
32 93 43 00-1106 EA 8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	269.50	
32 93 43 00-1107 EA 10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	346.50	
32 93 43 00-1108 EA 12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	481.25	
32 93 43 00-1109 EA 12' To 16' Cocos nucifera - Coconut Palm.....	405.93	
32 93 43 00-1110 EA 6' Eriobotrya deflexa - Bronze Loquat.....	519.75	
32 93 43 00-1111 EA 8' Eriobotrya deflexa - Bronze Loquat.....	693.00	
32 93 43 00-1112 EA 10' Eriobotrya deflexa - Bronze Loquat.....	866.25	
32 93 43 00-1113 EA 6' Eucalyptus erythrocorys - Red Cap Gum.....	519.75	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1114 EA 8' Eucalyptus erythrocorys - Red Cap Gum.....	693.00	
32 93 43 00-1115 EA 10' Eucalyptus erythrocorys - Red Cap Gum.....	866.25	
32 93 43 00-1116 EA 6' Eucalyptus gunnii - Cider Gum.....	519.75	
32 93 43 00-1117 EA 8' Eucalyptus gunnii - Cider Gum.....	693.00	
32 93 43 00-1118 EA 10' Eucalyptus gunnii - Cider Gum.....	866.25	
32 93 43 00-1119 EA 6' Eucalyptus leucoxylo - White Ironbark.....	519.75	
32 93 43 00-1120 EA 8' Eucalyptus leucoxylo - White Ironbark.....	693.00	
32 93 43 00-1121 EA 10' Eucalyptus leucoxylo - White Ironbark.....	866.25	
32 93 43 00-1122 EA 12' Eucalyptus leucoxylo - White Ironbark.....	1,039.50	
32 93 43 00-1123 EA 6' Eucalyptus polyanthem - Silver Dollar Gum.....	519.75	
32 93 43 00-1124 EA 8' Eucalyptus polyanthem - Silver Dollar Gum.....	693.00	
32 93 43 00-1125 EA 10' Eucalyptus polyanthem - Silver Dollar Gum.....	866.25	
32 93 43 00-1126 EA 6' Eucalyptus torquala - Coral Gum.....	519.75	
32 93 43 00-1127 EA 8' Eucalyptus torquala - Coral Gum.....	693.00	
32 93 43 00-1128 EA 10' Eucalyptus torquala - Coral Gum.....	866.25	
32 93 43 00-1129 EA 8' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	326.14	
32 93 43 00-1130 EA 10' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	442.62	
32 93 43 00-1131 EA 12' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	547.46	
32 93 43 00-1132 EA 6' Jacarandra acutifolia - Jacaranda.....	519.75	
32 93 43 00-1133 EA 8' Jacarandra acutifolia - Jacaranda.....	693.00	
32 93 43 00-1134 EA 10' Jacarandra acutifolia - Jacaranda.....	866.25	
32 93 43 00-1135 EA 24" Box Jacarandra acutifolia - Jacaranda.....	225.22	
32 93 43 00-1136 EA 6' Olea europaea - Olive "Fruitless".....	384.51	
32 93 43 00-1137 EA 8' Olea europaea - Olive "Fruitless".....	512.68	
32 93 43 00-1138 EA 10' Olea europaea - Olive "Fruitless".....	640.84	
32 93 43 00-1139 EA 12' Olea europaea - Olive "Fruitless".....	769.01	
32 93 43 00-1140 EA 24" Box Olea europaea - Olive "Fruitless".....	472.80	
32 93 43 00-1141 EA 5 Gallon Pistacia chinensis - Chinese Pistache.....	34.65	
32 93 43 00-1142 EA 15 Gallon Pistacia chinensis - Chinese Pistache.....	115.50	
32 93 43 00-1143 EA 24" Box Pistacia chinensis - Chinese Pistache.....	448.52	
32 93 43 00-1144 EA 36" Box Pistacia chinensis - Chinese Pistache.....	1,193.50	
32 93 43 00-1145 EA 48" Box Pistacia chinensis - Chinese Pistache.....	2,541.00	
32 93 43 00-1146 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	21.67	
32 93 43 00-1147 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	72.22	
32 93 43 00-1148 EA 24" Box Pyrus kawakamii - Evergreen Pear, Single.....	271.40	
32 93 43 00-1149 EA 30" Box Pyrus kawakamii - Evergreen Pear, Single.....	496.20	
32 93 43 00-1150 EA 36" Box Pyrus kawakamii - Evergreen Pear, Single.....	722.18	
32 93 43 00-1151 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	21.67	
32 93 43 00-1152 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	76.88	
32 93 43 00-1153 EA 24" Box Pyrus kawakamii - Evergreen Pear, Multi.....	279.55	
32 93 43 00-1154 EA 30" Box Pyrus kawakamii - Evergreen Pear, Multi.....	496.20	
32 93 43 00-1155 EA 36" Box Pyrus kawakamii - Evergreen Pear, Multi.....	722.18	
32 93 43 00-1156 EA 9' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	144.38	
32 93 43 00-1157 EA 11' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	240.62	
32 93 43 00-1158 EA 15' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	365.75	
32 93 43 00-1159 EA 17' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	413.88	
32 93 43 00-1160 EA 20' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	481.25	
32 93 43 00-1161 EA 4' To 5' Rhaps excelsa - Lady Palm.....	365.75	
32 93 43 00-1162 EA 6' To 7' Rhaps excelsa - Lady Palm.....	519.75	
32 93 43 00-1163 EA 8' To 9' Roystonea regia - Royal Palm.....	294.52	
32 93 43 00-1164 EA 10' To 11' Roystonea regia - Royal Palm.....	359.98	
32 93 43 00-1165 EA 12' To 13' Roystonea regia - Royal Palm.....	425.42	
32 93 43 00-1166 EA 14' To 15' Roystonea regia - Royal Palm.....	490.88	
32 93 43 00-1167 EA 16' To 17' Roystonea regia - Royal Palm.....	556.32	
32 93 43 00-1168 EA 18' To 19' Roystonea regia - Royal Palm.....	621.78	
32 93 43 00-1169 EA 20' To 21' Roystonea regia - Royal Palm.....	687.22	
32 93 43 00-1170 EA 10' To 16' Sabal palmetto - Cabbage Palm.....	148.84	
32 93 43 00-1171 EA 6' To 7' Thrinax morrisii - Key Thatch Palm.....	404.25	
32 93 43 00-1172 EA 8' To 9' Thrinax morrisii - Key Thatch Palm.....	519.75	
32 93 43 00-1173 EA 10' To 11' Thrinax morrisii - Key Thatch Palm.....	635.25	
32 93 43 00-1174 EA 1 Gallon Washingtonia robusta - Mexican Fan Palm.....	8.97	
32 93 43 00-1175 EA 5 Gallon Washingtonia robusta - Mexican Fan Palm.....	27.91	
32 93 43 00-1176 EA 15 Gallon Washingtonia robusta - Mexican Fan Palm.....	97.67	
32 93 43 00-1177 EA 24" Box Washingtonia robusta - Mexican Fan Palm.....	318.93	
32 93 43 00-1178 EA 36" Box Washingtonia robusta - Mexican Fan Palm.....	847.15	
32 93 43 00-1179 EA 6' Washingtonia robusta - Mexican Fan Palm.....	519.75	
32 93 43 00-1180 EA 8' Washingtonia robusta - Mexican Fan Palm.....	693.00	
32 93 43 00-1181 EA 10' Washingtonia robusta - Mexican Fan Palm.....	866.25	
32 93 43 00-1182 EA 12' Washingtonia robusta - Mexican Fan Palm.....	1,039.50	

32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002 EA 3" To 5" Bare Root Seedlings Tree Planting.....	1.31	
32 93 83 00-0003 EA 6" To 10" Bare Root Seedlings Tree Planting.....	2.11	
32 93 83 00-0004 EA 11" To 16" Bare Root Seedlings Tree Planting.....	2.64	
32 93 83 00-0005 EA 17" To 24" Bare Root Seedlings Tree Planting.....	4.22	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0006 EA 1 Gallon Container Tree Planting.....	21.09	
For >10 To 25, Deduct	-1.05	
For >25 To 50, Deduct	-2.64	
For >50 To 100, Deduct	-4.22	
For >100, Deduct	-6.33	
32 93 83 00-0007 EA 2 Gallon Container Tree Planting.....	29.53	
For >10 To 25, Deduct	-1.48	
For >25 To 50, Deduct	-3.69	
For >50 To 100, Deduct	-5.91	
For >100, Deduct	-8.86	
32 93 83 00-0008 EA 3 Gallon Container Tree Planting.....	37.97	
For >10 To 25, Deduct	-1.90	
For >25 To 50, Deduct	-4.75	
For >50 To 100, Deduct	-7.59	
For >100, Deduct	-11.39	
32 93 83 00-0009 EA 5 Gallon Container Tree Planting.....	63.28	
For >10 To 25, Deduct	-3.16	
For >25 To 50, Deduct	-7.91	
For >50 To 100, Deduct	-12.66	
For >100, Deduct	-18.98	
32 93 83 00-0010 EA 7 Gallon Container Tree Planting.....	84.38	
For >10 To 25, Deduct	-4.22	
For >25 To 50, Deduct	-10.55	
For >50 To 100, Deduct	-16.88	
For >100, Deduct	-25.31	
32 93 83 00-0011 EA 10 Gallon Container Tree Planting.....	109.69	
For >10 To 25, Deduct	-5.48	
For >25 To 50, Deduct	-13.71	
For >50 To 100, Deduct	-21.94	
For >100, Deduct	-32.91	
32 93 83 00-0012 EA 15 Gallon Container Tree Planting.....	156.09	
For >10 To 25, Deduct	-7.80	
For >25 To 50, Deduct	-19.51	
For >50 To 100, Deduct	-31.22	
For >100, Deduct	-46.83	
32 93 83 00-0013 EA 20 Gallon Container Tree Planting.....	257.34	
For >10 To 25, Deduct	-12.87	
For >25 To 50, Deduct	-32.17	
For >50 To 100, Deduct	-51.47	
For >100, Deduct	-77.20	
32 93 83 00-0014 EA 25 Gallon Container Tree Planting.....	333.27	
For >10 To 25, Deduct	-16.66	
For >25 To 50, Deduct	-41.66	
For >50 To 100, Deduct	-66.65	
For >100, Deduct	-99.98	
32 93 83 00-0015 EA 30 Gallon Container Tree Planting.....	400.78	
For >10 To 25, Deduct	-20.04	
For >25 To 50, Deduct	-50.10	
For >50 To 100, Deduct	-80.16	
For >100, Deduct	-120.23	
32 93 83 00-0016 EA 45 Gallon Container Tree Planting.....	497.80	
For >10 To 25, Deduct	-24.89	
For >25 To 50, Deduct	-62.23	
For >50 To 100, Deduct	-99.56	
For >100, Deduct	-149.34	
32 93 83 00-0017 EA 65 Gallon Container Tree Planting.....	590.61	
For >10 To 25, Deduct	-29.53	
For >25 To 50, Deduct	-73.83	
For >50 To 100, Deduct	-118.12	
For >100, Deduct	-177.18	
32 93 83 00-0018 EA 6' Balled And Burlapped Tree Planting.....	210.93	
For >10 To 25, Deduct	-10.55	
For >25 To 50, Deduct	-26.37	
For >50 To 100, Deduct	-42.19	
For >100, Deduct	-63.28	
32 93 83 00-0019 EA 7' Balled And Burlapped Tree Planting.....	280.96	
For >10 To 25, Deduct	-14.05	
For >25 To 50, Deduct	-35.12	
For >50 To 100, Deduct	-56.19	
For >100, Deduct	-84.29	
32 93 83 00-0020 EA 8' Balled And Burlapped Tree Planting.....	316.40	
For >10 To 25, Deduct	-15.82	
For >25 To 50, Deduct	-39.55	
For >50 To 100, Deduct	-63.28	
For >100, Deduct	-94.92	
32 93 83 00-0021 EA 10' Balled And Burlapped Tree Planting.....	369.13	
For >10 To 25, Deduct	-18.46	
For >25 To 50, Deduct	-46.14	
For >50 To 100, Deduct	-73.83	
For >100, Deduct	-110.74	
32 93 83 00-0022 EA 12' Balled And Burlapped Tree Planting.....	493.58	
For >10 To 25, Deduct	-24.68	
For >25 To 50, Deduct	-61.70	
For >50 To 100, Deduct	-98.72	
For >100, Deduct	-148.07	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0023 EA 14' Balled And Burlapped Tree Planting	565.30	
For>10 To 25, Deduct	-28.27	
For>25 To 50, Deduct	-70.66	
For>50 To 100, Deduct	-113.06	
For>100, Deduct	-169.59	
32 93 83 00-0024 EA 16' Balled And Burlapped Tree Planting	685.53	
For>10 To 25, Deduct	-34.28	
For>25 To 50, Deduct	-85.69	
For>50 To 100, Deduct	-137.11	
For>100, Deduct	-205.66	
32 93 83 00-0025 EA 18' Balled And Burlapped Tree Planting	822.64	
For>10 To 25, Deduct	-41.13	
For>25 To 50, Deduct	-102.83	
For>50 To 100, Deduct	-164.53	
For>100, Deduct	-246.79	
32 93 83 00-0026 EA 20' Balled And Burlapped Tree Planting	949.19	
For>10 To 25, Deduct	-47.46	
For>25 To 50, Deduct	-118.65	
For>50 To 100, Deduct	-189.84	
For>100, Deduct	-284.76	
32 93 83 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting	316.40	
For>10 To 25, Deduct	-15.82	
For>25 To 50, Deduct	-39.55	
For>50 To 100, Deduct	-63.28	
For>100, Deduct	-94.92	
32 93 83 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting	369.13	
For>10 To 25, Deduct	-18.46	
For>25 To 50, Deduct	-46.14	
For>50 To 100, Deduct	-73.83	
For>100, Deduct	-110.74	
32 93 83 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting	495.69	
For>10 To 25, Deduct	-24.78	
For>25 To 50, Deduct	-61.96	
For>50 To 100, Deduct	-99.14	
For>100, Deduct	-148.71	
32 93 83 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting	569.52	
For>10 To 25, Deduct	-28.48	
For>25 To 50, Deduct	-71.19	
For>50 To 100, Deduct	-113.90	
For>100, Deduct	-170.86	
32 93 83 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting	632.80	
For>10 To 25, Deduct	-31.64	
For>25 To 50, Deduct	-79.10	
For>50 To 100, Deduct	-126.56	
For>100, Deduct	-189.84	
32 93 83 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting	725.61	
For>10 To 25, Deduct	-36.28	
For>25 To 50, Deduct	-90.70	
For>50 To 100, Deduct	-145.12	
For>100, Deduct	-217.68	
32 93 83 00-0033 Planting Shrubs <small>(32 93 83)</small>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0034 EA 1 Gallon Container Shrub Planting	17.94	
For>10 To 25, Deduct	-0.90	
For>25 To 50, Deduct	-2.24	
For>50 To 100, Deduct	-3.59	
For>100, Deduct	-5.38	
32 93 83 00-0035 EA 2 Gallon Container Shrub Planting	25.31	
For>10 To 25, Deduct	-1.27	
For>25 To 50, Deduct	-3.16	
For>50 To 100, Deduct	-5.06	
For>100, Deduct	-7.59	
32 93 83 00-0036 EA 3 Gallon Container Shrub Planting	31.64	
For>10 To 25, Deduct	-1.58	
For>25 To 50, Deduct	-3.96	
For>50 To 100, Deduct	-6.33	
For>100, Deduct	-9.49	
32 93 83 00-0037 EA 4 Gallon Container Shrub Planting	42.19	
For>10 To 25, Deduct	-2.11	
For>25 To 50, Deduct	-5.27	
For>50 To 100, Deduct	-8.44	
For>100, Deduct	-12.66	
32 93 83 00-0038 EA 5 Gallon Container Shrub Planting	52.74	
For>10 To 25, Deduct	-2.64	
For>25 To 50, Deduct	-6.59	
For>50 To 100, Deduct	-10.55	
For>100, Deduct	-15.82	
32 93 83 00-0039 EA 7 Gallon Container Shrub Planting	71.72	
For>10 To 25, Deduct	-3.59	
For>25 To 50, Deduct	-8.97	
For>50 To 100, Deduct	-14.34	
For>100, Deduct	-21.52	



Exterior Improvements		32
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0040 EA 10 Gallon Container Shrub Planting	94.92	
For >10 To 25, Deduct	-4.75	
For >25 To 50, Deduct	-11.87	
For >50 To 100, Deduct	-18.98	
For >100, Deduct	-28.48	
32 93 83 00-0041 EA 15 Gallon Container Shrub Planting	130.78	
For >10 To 25, Deduct	-6.54	
For >25 To 50, Deduct	-16.35	
For >50 To 100, Deduct	-26.16	
For >100, Deduct	-39.23	
32 93 83 00-0042 EA 20 Gallon Container Shrub Planting	219.37	
For >10 To 25, Deduct	-10.97	
For >25 To 50, Deduct	-27.42	
For >50 To 100, Deduct	-43.87	
For >100, Deduct	-65.81	
32 93 83 00-0043 EA 25 Gallon Container Shrub Planting	280.96	
For >10 To 25, Deduct	-14.05	
For >25 To 50, Deduct	-35.12	
For >50 To 100, Deduct	-56.19	
For >100, Deduct	-84.29	
32 93 83 00-0044 EA 15" Balled And Burlapped Shrub Planting	59.06	
For >10 To 25, Deduct	-2.95	
For >25 To 50, Deduct	-7.38	
For >50 To 100, Deduct	-11.81	
For >100, Deduct	-17.72	
32 93 83 00-0045 EA 18" Balled And Burlapped Shrub Planting	61.17	
For >10 To 25, Deduct	-3.06	
For >25 To 50, Deduct	-7.65	
For >50 To 100, Deduct	-12.23	
For >100, Deduct	-18.35	
32 93 83 00-0046 EA 24" Balled And Burlapped Shrub Planting	67.50	
For >10 To 25, Deduct	-3.38	
For >25 To 50, Deduct	-8.44	
For >50 To 100, Deduct	-13.50	
For >100, Deduct	-20.25	
32 93 83 00-0047 EA 30" Balled And Burlapped Shrub Planting	67.50	
For >10 To 25, Deduct	-3.38	
For >25 To 50, Deduct	-8.44	
For >50 To 100, Deduct	-13.50	
For >100, Deduct	-20.25	
32 93 83 00-0048 EA 36" Balled And Burlapped Shrub Planting	73.83	
For >10 To 25, Deduct	-3.69	
For >25 To 50, Deduct	-9.23	
For >50 To 100, Deduct	-14.77	
For >100, Deduct	-22.15	
32 93 83 00-0049 EA 42" Balled And Burlapped Shrub Planting	78.04	
For >10 To 25, Deduct	-3.90	
For >25 To 50, Deduct	-9.76	
For >50 To 100, Deduct	-15.61	
For >100, Deduct	-23.41	
32 93 83 00-0050 EA 48" Balled And Burlapped Shrub Planting	84.38	
For >10 To 25, Deduct	-4.22	
For >25 To 50, Deduct	-10.55	
For >50 To 100, Deduct	-16.88	
For >100, Deduct	-25.31	
32 93 83 00-0051 EA 5' Balled And Burlapped Shrub Planting	126.56	
For >10 To 25, Deduct	-6.33	
For >25 To 50, Deduct	-15.82	
For >50 To 100, Deduct	-25.31	
For >100, Deduct	-37.97	
32 93 83 00-0052 EA 6' Balled And Burlapped Shrub Planting	179.29	
For >10 To 25, Deduct	-8.96	
For >25 To 50, Deduct	-22.41	
For >50 To 100, Deduct	-35.86	
For >100, Deduct	-53.79	
32 93 83 00-0053 EA 7' Balled And Burlapped Shrub Planting	238.35	
For >10 To 25, Deduct	-11.92	
For >25 To 50, Deduct	-29.79	
For >50 To 100, Deduct	-47.67	
For >100, Deduct	-71.51	
32 93 83 00-0054 EA 8' Balled And Burlapped Shrub Planting	270.00	
For >10 To 25, Deduct	-13.50	
For >25 To 50, Deduct	-33.75	
For >50 To 100, Deduct	-54.00	
For >100, Deduct	-81.00	
32 93 83 00-0055 EA 9' Balled And Burlapped Shrub Planting	291.09	
For >10 To 25, Deduct	-14.55	
For >25 To 50, Deduct	-36.39	
For >50 To 100, Deduct	-58.22	
For >100, Deduct	-87.33	
32 93 83 00-0056 EA 10' Balled And Burlapped Shrub Planting	316.40	
For >10 To 25, Deduct	-15.82	
For >25 To 50, Deduct	-39.55	
For >50 To 100, Deduct	-63.28	
For >100, Deduct	-94.92	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 93 83 00-0057		Planting Groundcover, Vines, Perennials, Annuals And Bulbs <small>(32 93 83)</small>			
		See CSI section 32 91 13 16-0001 for mulch.			
32 93 83 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.76		
		<i>For >10 To 25, Deduct</i>	-0.09		
		<i>For >25 To 50, Deduct</i>	-0.22		
		<i>For >50 To 100, Deduct</i>	-0.35		
		<i>For >100, Deduct</i>	-0.53		
32 93 83 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting.....	2.01		
		<i>For >10 To 25, Deduct</i>	-0.10		
		<i>For >25 To 50, Deduct</i>	-0.25		
		<i>For >50 To 100, Deduct</i>	-0.40		
		<i>For >100, Deduct</i>	-0.60		
32 93 83 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting.....	2.34		
		<i>For >10 To 25, Deduct</i>	-0.12		
		<i>For >25 To 50, Deduct</i>	-0.29		
		<i>For >50 To 100, Deduct</i>	-0.47		
		<i>For >100, Deduct</i>	-0.70		
32 93 83 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.81		
		<i>For >10 To 25, Deduct</i>	-0.14		
		<i>For >25 To 50, Deduct</i>	-0.35		
		<i>For >50 To 100, Deduct</i>	-0.56		
		<i>For >100, Deduct</i>	-0.84		
32 93 83 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting.....	3.51		
		<i>For >10 To 25, Deduct</i>	-0.18		
		<i>For >25 To 50, Deduct</i>	-0.44		
		<i>For >50 To 100, Deduct</i>	-0.70		
		<i>For >100, Deduct</i>	-1.05		
32 93 83 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting.....	5.27		
		<i>For >10 To 25, Deduct</i>	-0.26		
		<i>For >25 To 50, Deduct</i>	-0.66		
		<i>For >50 To 100, Deduct</i>	-1.05		
		<i>For >100, Deduct</i>	-1.58		
32 93 83 00-0064	EA	1 Gallon Container Groundcover And Flower Planting.....	16.87		
		<i>For >10 To 25, Deduct</i>	-0.84		
		<i>For >25 To 50, Deduct</i>	-2.11		
		<i>For >50 To 100, Deduct</i>	-3.37		
		<i>For >100, Deduct</i>	-5.06		
32 93 83 00-0065	EA	2 Gallon Container Groundcover And Flower Planting.....	23.21		
		<i>For >10 To 25, Deduct</i>	-1.16		
		<i>For >25 To 50, Deduct</i>	-2.90		
		<i>For >50 To 100, Deduct</i>	-4.64		
		<i>For >100, Deduct</i>	-6.96		
32 93 83 00-0066	EA	3 Gallon Container Groundcover And Flower Planting.....	29.53		
		<i>For >10 To 25, Deduct</i>	-1.48		
		<i>For >25 To 50, Deduct</i>	-3.69		
		<i>For >50 To 100, Deduct</i>	-5.91		
		<i>For >100, Deduct</i>	-8.86		
32 93 83 00-0067	EA	4 Gallon Container Groundcover And Flower Planting.....	37.97		
		<i>For >10 To 25, Deduct</i>	-1.90		
		<i>For >25 To 50, Deduct</i>	-4.75		
		<i>For >50 To 100, Deduct</i>	-7.59		
		<i>For >100, Deduct</i>	-11.39		
32 93 83 00-0068	EA	5 Gallon Container Groundcover And Flower Planting.....	46.40		
		<i>For >10 To 25, Deduct</i>	-2.32		
		<i>For >25 To 50, Deduct</i>	-5.80		
		<i>For >50 To 100, Deduct</i>	-9.28		
		<i>For >100, Deduct</i>	-13.92		
32 93 83 00-0069	EA	7 Gallon Container Groundcover And Flower Planting.....	63.28		
		<i>For >10 To 25, Deduct</i>	-3.16		
		<i>For >25 To 50, Deduct</i>	-7.91		
		<i>For >50 To 100, Deduct</i>	-12.66		
		<i>For >100, Deduct</i>	-18.98		
32 93 83 00-0070	EA	Bulb Planting.....	1.05		
		<i>For >10 To 25, Deduct</i>	-0.05		
		<i>For >25 To 50, Deduct</i>	-0.13		
		<i>For >50 To 100, Deduct</i>	-0.21		
		<i>For >100, Deduct</i>	-0.32		
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting.....	29.53		
		<i>For >10 To 25, Deduct</i>	-1.48		
		<i>For >25, Deduct</i>	-3.69		
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting.....	41.89		
		<i>For >10 To 25, Deduct</i>	-2.09		
		<i>For >25, Deduct</i>	-5.24		
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting.....	55.76		
		<i>For >10 To 25, Deduct</i>	-2.79		
		<i>For >25, Deduct</i>	-6.97		
32 93 83 00-0074		Tree Pits <small>(32 93 83)</small>			
		Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.			
32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit.....	156.58		
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit.....	234.83		



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0077	EA	2-1/2' x 1-1/2'	Deep Tree Pit	299.75	
32 93 83 00-0078	EA	2-1/2' x 3'	Deep Tree Pit	449.57	
32 93 83 00-0079	EA	3' x 1-3/4'	Deep Tree Pit	469.30	
32 93 83 00-0080	EA	3' x 3-1/2'	Deep Tree Pit	701.20	
32 93 83 00-0081	EA	3-1/2' x 1-3/4'	Deep Tree Pit	579.01	
32 93 83 00-0082	EA	3-1/2' x 3-1/2'	Deep Tree Pit	867.61	
32 93 83 00-0083	EA	4' x 2'	Deep Tree Pit	693.66	
32 93 83 00-0084	EA	4' x 4'	Deep Tree Pit	1,040.07	
32 93 83 00-0085	EA	4-1/2' x 2'	Deep Tree Pit	1,005.37	
32 93 83 00-0086	EA	4-1/2' x 4'	Deep Tree Pit	1,510.28	
32 93 83 00-0087	EA	5' x 2-1/4'	Deep Tree Pit	1,337.10	
32 93 83 00-0088	EA	5' x 4-1/2'	Deep Tree Pit	1,995.20	
32 93 83 00-0089	EA	6' x 2-1/2'	Deep Tree Pit	1,895.99	
32 93 83 00-0090	EA	6' x 5'	Deep Tree Pit	2,840.86	
32 93 83 00-0091	EA	7' x 3'	Deep Tree Pit	3,198.24	
32 93 83 00-0092	EA	7' x 6'	Deep Tree Pit	4,816.40	
32 93 83 00-0093	EA	8' x 3-1/4'	Deep Tree Pit	4,413.78	
32 93 83 00-0094	EA	8' x 6-1/2'	Deep Tree Pit	6,618.59	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	9.69	2.56
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	10.63	2.56
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	10.70	2.56
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	12.34	2.64
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	13.50	2.64
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	13.48	2.64
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	10.91	2.73
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	12.21	2.73
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	12.35	2.73
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	13.95	2.81
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	15.25	2.81
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	15.36	2.81
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	12.24	2.64
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	17.37	2.64

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	6" x 8" Railroad Ties	15.53	5.15
32 94 16 00-0002	LF	7" x 9" Railroad Ties	18.73	6.46
32 94 16 00-0003	LF	1" x 4" Redwood	5.39	1.82
32 94 16 00-0004	LF	2" x 4" Redwood Edging	7.42	2.73
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood	10.50	3.63
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood	13.68	4.54
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood	15.94	5.34
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine	4.18	1.82
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine	6.34	2.73
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine	9.98	3.52
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine	13.57	4.54
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine	16.58	5.34

32 94 43 Tree Grates (32 94)

32 94 43 00-0001 Tree Grates With Frames (32 94 43)

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame	1,058.67	68.05
		For >3 To 9, Deduct	-69.19	
		For >9, Deduct	-143.00	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Gate With Frame	1,226.38	68.05
		For >3 To 9, Deduct	-81.77	
		For >9, Deduct	-168.99	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Gate With Frame	1,481.42	90.74
		For >3 To 9, Deduct	-97.50	
		For >9, Deduct	-201.49	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Gate With Frame	1,846.49	90.74
		For >3 To 9, Deduct	-124.88	
		For >9, Deduct	-258.08	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Gate With Frame	2,367.94	113.42
		For >3 To 9, Deduct	-160.58	
		For >9, Deduct	-331.87	
32 94 43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Gate With Frame	2,482.36	136.10
		For >3 To 9, Deduct	-165.76	
		For >9, Deduct	-342.57	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0009 EA 60" Diameter, >350 LB Cast Iron Tree Grate With Frame	2,736.43	136.10
For>3 To 9, Deduct	-184.82	
For>9, Deduct	-381.96	
32 94 43 00-0010 EA 72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame.....	3,641.65	192.82
For>3 To 9, Deduct	-244.20	
For>9, Deduct	-504.69	
32 94 43 00-0011 EA 72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	3,789.66	192.82
For>3 To 9, Deduct	-255.30	
For>9, Deduct	-527.63	
32 94 43 00-0012 EA 72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	3,912.99	192.82
For>3 To 9, Deduct	-264.55	
For>9, Deduct	-546.74	
32 94 43 00-0013 EA 72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	4,011.66	192.82
For>3 To 9, Deduct	-271.95	
For>9, Deduct	-562.04	
32 94 43 00-0014 EA 72" Diameter, >700 LB Cast Iron Tree Grate With Frame	4,085.66	192.82
For>3 To 9, Deduct	-277.50	
For>9, Deduct	-573.51	
32 94 43 00-0015 EA 93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	4,479.32	226.84
For>3 To 9, Deduct	-301.92	
For>9, Deduct	-623.98	
32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0017 EA 30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	974.78	68.05
For>3 To 9, Deduct	-62.90	
For>9, Deduct	-130.00	
32 94 43 00-0018 EA 36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	1,184.45	68.05
For>3 To 9, Deduct	-78.63	
For>9, Deduct	-162.49	
32 94 43 00-0019 EA 48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,756.19	113.42
For>3 To 9, Deduct	-114.70	
For>9, Deduct	-237.05	
32 94 43 00-0020 EA 48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	2,076.86	113.42
For>3 To 9, Deduct	-138.75	
For>9, Deduct	-286.75	
32 94 43 00-0021 EA 48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	2,372.87	113.42
For>3 To 9, Deduct	-160.95	
For>9, Deduct	-332.63	
32 94 43 00-0022 EA 48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	2,644.21	113.42
For>3 To 9, Deduct	-181.30	
For>9, Deduct	-374.69	
32 94 43 00-0023 EA 48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	2,890.88	113.42
For>3 To 9, Deduct	-199.80	
For>9, Deduct	-412.93	
32 94 43 00-0024 EA 48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	3,112.88	113.42
For>3 To 9, Deduct	-216.45	
For>9, Deduct	-447.34	
32 94 43 00-0025 EA 60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	2,981.62	158.79
For>3 To 9, Deduct	-199.80	
For>9, Deduct	-412.93	
32 94 43 00-0026 EA 60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	3,203.62	158.79
For>3 To 9, Deduct	-216.45	
For>9, Deduct	-447.34	
32 94 43 00-0027 EA 60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	3,400.96	158.79
For>3 To 9, Deduct	-231.25	
For>9, Deduct	-477.92	
32 94 43 00-0028 EA 60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	3,573.62	158.79
For>3 To 9, Deduct	-244.20	
For>9, Deduct	-504.69	
32 94 43 00-0029 EA 60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	3,721.63	158.79
For>3 To 9, Deduct	-255.30	
For>9, Deduct	-527.63	
32 94 43 00-0030 EA 60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	3,844.96	158.79
For>3 To 9, Deduct	-264.55	
For>9, Deduct	-546.74	
32 94 43 00-0031 EA 72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	3,641.65	192.82
For>3 To 9, Deduct	-244.20	
For>9, Deduct	-504.69	
32 94 43 00-0032 EA 72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	3,789.66	192.82
For>3 To 9, Deduct	-255.30	
For>9, Deduct	-527.63	
32 94 43 00-0033 EA 72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	3,912.99	192.82
For>3 To 9, Deduct	-264.55	
For>9, Deduct	-546.74	
32 94 43 00-0034 EA 72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	4,011.66	192.82
For>3 To 9, Deduct	-271.95	
For>9, Deduct	-562.04	
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	4,085.66	192.82
For>3 To 9, Deduct	-277.50	
For>9, Deduct	-573.51	
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	4,134.99	192.82
For>3 To 9, Deduct	-281.20	
For>9, Deduct	-581.15	



		Exterior Improvements	32
		Planting	32 90
		Planting Accessories	32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	4,159.66	192.82
For >3 To 9, Deduct	-283.05	
For >9, Deduct	-584.98	
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	4,184.33	192.82
For >3 To 9, Deduct	-284.90	
For >9, Deduct	-588.80	
32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,846.49	90.74
For >3 To 9, Deduct	-124.88	
For >9, Deduct	-258.08	
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,883.49	90.74
For >3 To 9, Deduct	-127.65	
For >9, Deduct	-263.81	
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	2,301.33	113.42
For >3 To 9, Deduct	-155.59	
For >9, Deduct	-321.55	
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	2,713.27	113.42
For >3 To 9, Deduct	-186.48	
For >9, Deduct	-385.40	
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	2,890.88	113.42
For >3 To 9, Deduct	-199.80	
For >9, Deduct	-412.93	
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	3,863.66	192.82
For >3 To 9, Deduct	-260.85	
For >9, Deduct	-539.10	
32 94 49 Plant and Tree Accessories (32 94)		
32 94 49 00-0001 Tree Guying (32 94 49)		
32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)		
Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003 EA Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap.....	24.41	
32 94 49 00-0004 EA Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	42.51	
32 94 49 00-0005 EA Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	73.14	
32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)		
Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007 EA Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope.....	104.16	
32 94 49 00-0008 EA Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope.....	140.68	
32 94 49 00-0009 EA Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope.....	180.95	
32 94 49 00-0010 EA Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	232.60	
32 94 49 00-0011 Tree Wrap (32 94 49)		
32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	6.47	
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	10.82	
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	21.56	
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	33.70	
32 94 49 00-0016 Tree Guards (32 94 49)		
32 94 49 00-0017 EA 3' Preformed Plastic Tree Guard.....	14.04	
32 94 49 00-0018 EA 2' Preformed Plastic Tree Guard.....	12.03	
32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)		
Note: When no design available.		
32 94 49 00-0020 EA Stake Out Trees Or Shrubs.....	6.81	
32 94 49 00-0021 Root Barriers (32 94 49)		
32 94 49 00-0022 EA 12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	12.25	
32 94 49 00-0023 EA 18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	17.57	
32 94 49 00-0024 EA 24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	20.81	
32 94 49 00-0025 EA 36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	39.46	
32 94 49 00-0026 EA 48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	54.70	
32 96 Transplanting (32 90)		
See CSI section 32 94 49 00-0001 for guying.		
32 96 33 Shrub Transplanting (32 96)		
Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)		
Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		

32 Exterior Improvements**32 90 Planting****32 96 Transplanting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site.....	72.09	
			<i>For >25 To 50, Deduct</i>	-7.21	
			<i>For >50, Deduct</i>	-10.81	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site.....	97.53	
			<i>For >25 To 50, Deduct</i>	-9.75	
			<i>For >50, Deduct</i>	-14.63	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site.....	165.37	
			<i>For >25 To 50, Deduct</i>	-16.54	
			<i>For >50, Deduct</i>	-24.81	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site.....	254.42	
			<i>For >25 To 50, Deduct</i>	-25.44	
			<i>For >50, Deduct</i>	-38.16	

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate (32 96 43)

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0915 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA		Up To 24" Root Ball, Move Trees On Site.....	282.58	
			<i>For >5 To 10, Deduct</i>	-14.13	
			<i>For >10 To 20, Deduct</i>	-28.26	
			<i>For >20, Deduct</i>	-42.39	
32 96 43 00-0003	EA		>24" To 30" Root Ball, Move Trees On Site.....	387.54	
			<i>For >5 To 10, Deduct</i>	-19.38	
			<i>For >10 To 20, Deduct</i>	-38.75	
			<i>For >20, Deduct</i>	-58.13	
32 96 43 00-0004	EA		>30" To 36" Root Ball, Move Trees On Site.....	627.95	
			<i>For >5 To 10, Deduct</i>	-31.40	
			<i>For >10 To 20, Deduct</i>	-62.80	
			<i>For >20, Deduct</i>	-94.19	
32 96 43 00-0005	EA		>36" To 48" Root Ball, Move Trees On Site.....	1,043.36	
			<i>For >5 To 10, Deduct</i>	-52.17	
			<i>For >10 To 20, Deduct</i>	-104.34	
			<i>For >20, Deduct</i>	-156.50	
32 96 43 00-0006	EA		>48" To 60" Root Ball, Move Trees On Site.....	1,695.45	
			<i>For >5 To 10, Deduct</i>	-84.77	
			<i>For >10 To 20, Deduct</i>	-169.55	
			<i>For >20, Deduct</i>	-254.32	
32 96 43 00-0007	EA		>60" To 72" Root Ball, Move Trees On Site.....	2,187.68	
			<i>For >5 To 10, Deduct</i>	-109.38	
			<i>For >10 To 20, Deduct</i>	-218.77	
			<i>For >20, Deduct</i>	-328.15	
32 96 43 00-0008	EA		>72" To 84" Root Ball, Move Trees On Site.....	2,825.75	
			<i>For >5 To 10, Deduct</i>	-141.29	
			<i>For >10 To 20, Deduct</i>	-282.58	
			<i>For >20, Deduct</i>	-423.86	
32 96 43 00-0009	EA		>84" To 96" Root Ball, Move Trees On Site.....	3,390.91	
			<i>For >5 To 10, Deduct</i>	-169.55	
			<i>For >10 To 20, Deduct</i>	-339.09	
			<i>For >20, Deduct</i>	-508.64	
32 96 43 00-0010	EA		>96" To 120" Root Ball, Move Trees On Site.....	3,853.30	
			<i>For >5 To 10, Deduct</i>	-192.67	
			<i>For >10 To 20, Deduct</i>	-385.33	
			<i>For >20, Deduct</i>	-578.00	

END OF SECTION 32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities ⁽³³⁾

33 01 10 Operation and Maintenance of Water Utilities ^(33 01)

33 01 10 54 Cleaning of Water Utility Piping ^(33 01 10)

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	993.06
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	496.53
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.37
		<i>For >250 To 500, Deduct</i>	-0.02
		<i>For >500 To 1,000, Deduct</i>	-0.04
		<i>For >1,000 To 2,000, Deduct</i>	-0.06
		<i>For >2,000 To 5,000, Deduct</i>	-0.07
		<i>For >5,000, Deduct</i>	-0.09
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.57
		<i>For >250 To 500, Deduct</i>	-0.03
		<i>For >500 To 1,000, Deduct</i>	-0.06
		<i>For >1,000 To 2,000, Deduct</i>	-0.09
		<i>For >2,000 To 5,000, Deduct</i>	-0.11
		<i>For >5,000, Deduct</i>	-0.14
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.75
		<i>For >250 To 500, Deduct</i>	-0.04
		<i>For >500 To 1,000, Deduct</i>	-0.08
		<i>For >1,000 To 2,000, Deduct</i>	-0.11
		<i>For >2,000 To 5,000, Deduct</i>	-0.15
		<i>For >5,000, Deduct</i>	-0.19
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.87
		<i>For >250 To 500, Deduct</i>	-0.04
		<i>For >500 To 1,000, Deduct</i>	-0.09
		<i>For >1,000 To 2,000, Deduct</i>	-0.13
		<i>For >2,000 To 5,000, Deduct</i>	-0.17
		<i>For >5,000, Deduct</i>	-0.22
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.14
		<i>For >250 To 500, Deduct</i>	-0.06
		<i>For >500 To 1,000, Deduct</i>	-0.11
		<i>For >1,000 To 2,000, Deduct</i>	-0.17
		<i>For >2,000 To 5,000, Deduct</i>	-0.23
		<i>For >5,000, Deduct</i>	-0.29
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.30
		<i>For >250 To 500, Deduct</i>	-0.07
		<i>For >500 To 1,000, Deduct</i>	-0.13
		<i>For >1,000 To 2,000, Deduct</i>	-0.20
		<i>For >2,000 To 5,000, Deduct</i>	-0.26
		<i>For >5,000, Deduct</i>	-0.33
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.49
		<i>For >250 To 500, Deduct</i>	-0.07
		<i>For >500 To 1,000, Deduct</i>	-0.15
		<i>For >1,000 To 2,000, Deduct</i>	-0.22
		<i>For >2,000 To 5,000, Deduct</i>	-0.30
		<i>For >5,000, Deduct</i>	-0.37
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.76
		<i>For >250 To 500, Deduct</i>	-0.09
		<i>For >500 To 1,000, Deduct</i>	-0.18
		<i>For >1,000 To 2,000, Deduct</i>	-0.26
		<i>For >2,000 To 5,000, Deduct</i>	-0.35
		<i>For >5,000, Deduct</i>	-0.44
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.26
		<i>For >250 To 500, Deduct</i>	-0.11
		<i>For >500 To 1,000, Deduct</i>	-0.23
		<i>For >1,000 To 2,000, Deduct</i>	-0.34
		<i>For >2,000 To 5,000, Deduct</i>	-0.45
		<i>For >5,000, Deduct</i>	-0.57
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.31
		<i>For >250 To 500, Deduct</i>	-0.17
		<i>For >500 To 1,000, Deduct</i>	-0.33
		<i>For >1,000 To 2,000, Deduct</i>	-0.50
		<i>For >2,000 To 5,000, Deduct</i>	-0.66
		<i>For >5,000, Deduct</i>	-0.83
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	4.59
		<i>For >250 To 500, Deduct</i>	-0.23
		<i>For >500 To 1,000, Deduct</i>	-0.46
		<i>For >1,000 To 2,000, Deduct</i>	-0.69
		<i>For >2,000 To 5,000, Deduct</i>	-0.92
		<i>For >5,000, Deduct</i>	-1.15

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 10 71 Relining Water Utilities Pipelines (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001	Relining Underground Water Pipelines	<small>(33 01 10 71)</small>	
	Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 10 71-0002	Relining Underground Water Pipelines Set-Up And Reinsertion	<small>(33 01 10 71-0001)</small>	
33 01 10 71-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,621.72
33 01 10 71-0004	EA	Move And Reset Up At Different Access/Location	2,248.68
33 01 10 71-0005	Lining Pipe With Cement	<small>(33 01 10 71-0001)</small>	
33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	76.15
		For 3/16" Thickness, Add	1.69
		For 1/4" Thickness, Add	3.38
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	67.94
		For 3/16" Thickness, Add	1.69
		For 1/4" Thickness, Add	3.38
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	56.93
		For 3/16" Thickness, Add	1.69
		For 1/4" Thickness, Add	3.38
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	43.10
		For 3/16" Thickness, Add	1.69
		For 1/4" Thickness, Add	3.38
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	79.71
		For 3/16" Thickness, Add	2.53
		For 1/4" Thickness, Add	5.05
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	71.18
		For 3/16" Thickness, Add	2.53
		For 1/4" Thickness, Add	5.05
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	59.78
		For 3/16" Thickness, Add	2.53
		For 1/4" Thickness, Add	5.05
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	45.78
		For 3/16" Thickness, Add	2.53
		For 1/4" Thickness, Add	5.05
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	83.14
		For 3/16" Thickness, Add	3.36
		For 1/4" Thickness, Add	6.72
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	74.42
		For 3/16" Thickness, Add	3.36
		For 1/4" Thickness, Add	6.72
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	62.65
		For 3/16" Thickness, Add	3.36
		For 1/4" Thickness, Add	6.72
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	48.45
		For 3/16" Thickness, Add	3.36
		For 1/4" Thickness, Add	6.72
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	85.91
		For 3/16" Thickness, Add	4.22
		For 1/4" Thickness, Add	8.43
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	77.06
		For 3/16" Thickness, Add	4.22
		For 1/4" Thickness, Add	8.43
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	65.12
		For 3/16" Thickness, Add	4.22
		For 1/4" Thickness, Add	8.43
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	51.17
		For 3/16" Thickness, Add	4.22
		For 1/4" Thickness, Add	8.43
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	93.18
		For 3/16" Thickness, Add	5.05
		For 1/4" Thickness, Add	10.10
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	83.77
		For 3/16" Thickness, Add	5.05
		For 1/4" Thickness, Add	10.10
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	71.06
		For 3/16" Thickness, Add	5.05
		For 1/4" Thickness, Add	10.10
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	55.98
		For 3/16" Thickness, Add	5.05
		For 1/4" Thickness, Add	10.10
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	102.45
		For 1/4" Thickness, Add	5.62
		For 5/16" Thickness, Add	11.24
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	92.69
		For 1/4" Thickness, Add	5.62
		For 5/16" Thickness, Add	11.24
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	79.45
		For 1/4" Thickness, Add	5.62
		For 5/16" Thickness, Add	11.24
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	65.00
		For 1/4" Thickness, Add	5.62
		For 5/16" Thickness, Add	11.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	108.32	
For 1/4" Thickness, Add	6.74	
For 5/16" Thickness, Add	13.47	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	98.25	
For 1/4" Thickness, Add	6.74	
For 5/16" Thickness, Add	13.47	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	84.56	
For 1/4" Thickness, Add	6.74	
For 5/16" Thickness, Add	13.47	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	70.86	
For 1/4" Thickness, Add	6.74	
For 5/16" Thickness, Add	13.47	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	115.33	
For 1/4" Thickness, Add	7.86	
For 5/16" Thickness, Add	15.72	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	104.91	
For 1/4" Thickness, Add	7.86	
For 5/16" Thickness, Add	15.72	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	90.57	
For 1/4" Thickness, Add	7.86	
For 5/16" Thickness, Add	15.72	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	77.75	
For 1/4" Thickness, Add	7.86	
For 5/16" Thickness, Add	15.72	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	122.48	
For 1/4" Thickness, Add	8.99	
For 5/16" Thickness, Add	17.97	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	111.63	
For 1/4" Thickness, Add	8.99	
For 5/16" Thickness, Add	17.97	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	96.84	
For 1/4" Thickness, Add	8.99	
For 5/16" Thickness, Add	17.97	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement	84.91	
For 1/4" Thickness, Add	8.99	
For 5/16" Thickness, Add	17.97	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	132.85	
For 1/4" Thickness, Add	11.23	
For 5/16" Thickness, Add	22.46	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	121.39	
For 1/4" Thickness, Add	11.23	
For 5/16" Thickness, Add	22.46	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	105.71	
For 1/4" Thickness, Add	11.23	
For 5/16" Thickness, Add	22.46	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement	93.64	
For 1/4" Thickness, Add	11.23	
For 5/16" Thickness, Add	22.46	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	143.13	
For 1/4" Thickness, Add	13.48	
For 5/16" Thickness, Add	26.96	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	131.15	
For 1/4" Thickness, Add	13.48	
For 5/16" Thickness, Add	26.96	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	114.60	
For 1/4" Thickness, Add	13.48	
For 5/16" Thickness, Add	26.96	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement	102.40	
For 1/4" Thickness, Add	13.48	
For 5/16" Thickness, Add	26.96	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	182.99	
For 3/8" Thickness, Add	35.38	
For 7/16" Thickness, Add	53.06	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	169.93	
For 3/8" Thickness, Add	35.38	
For 7/16" Thickness, Add	53.06	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	151.95	
For 3/8" Thickness, Add	35.38	
For 7/16" Thickness, Add	53.06	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	139.38	
For 3/8" Thickness, Add	35.38	
For 7/16" Thickness, Add	53.06	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	202.52	
For 3/8" Thickness, Add	40.43	
For 7/16" Thickness, Add	60.64	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	188.55	
For 3/8" Thickness, Add	40.43	
For 7/16" Thickness, Add	60.64	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	169.21	
For 3/8" Thickness, Add	40.43	
For 7/16" Thickness, Add	60.64	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	156.39	
For 3/8" Thickness, Add	40.43	
For 7/16" Thickness, Add	60.64	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	214.89	
For 3/8" Thickness, Add	45.48	
For 7/16" Thickness, Add	68.22	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	200.63	
For 3/8" Thickness, Add	45.48	
For 7/16" Thickness, Add	68.22	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	180.83	
For 3/8" Thickness, Add	45.48	
For 7/16" Thickness, Add	68.22	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	168.51	
For 3/8" Thickness, Add	45.48	
For 7/16" Thickness, Add	68.22	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	227.28	
For 3/8" Thickness, Add	50.55	
For 7/16" Thickness, Add	75.82	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	212.76	
For 3/8" Thickness, Add	50.55	
For 7/16" Thickness, Add	75.82	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	192.59	
For 3/8" Thickness, Add	50.55	
For 7/16" Thickness, Add	75.82	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement	180.65	
For 3/8" Thickness, Add	50.55	
For 7/16" Thickness, Add	75.82	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	240.02	
For 3/8" Thickness, Add	55.60	
For 7/16" Thickness, Add	83.39	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	225.19	
For 3/8" Thickness, Add	55.60	
For 7/16" Thickness, Add	83.39	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	204.71	
For 3/8" Thickness, Add	55.60	
For 7/16" Thickness, Add	83.39	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement	193.64	
For 3/8" Thickness, Add	55.60	
For 7/16" Thickness, Add	83.39	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	253.26	
For 3/8" Thickness, Add	60.65	
For 7/16" Thickness, Add	90.97	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	238.18	
For 3/8" Thickness, Add	60.65	
For 7/16" Thickness, Add	90.97	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	217.19	
For 3/8" Thickness, Add	60.65	
For 7/16" Thickness, Add	90.97	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement	206.76	
For 3/8" Thickness, Add	60.65	
For 7/16" Thickness, Add	90.97	

33 01 30 Operation and Maintenance of Sewer Utilities (33 01)**33 01 30 11 Television Inspection Of Pipelines** (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)**33 01 30 11-0002 Video Camera Set-up** (33 01 30 11-0001)

33 01 30 11-0003 EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	965.07	
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004 EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,930.13	
Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0005 EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,895.20	
33 01 30 11-0006 EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	482.53	
33 01 30 11-0007 EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	965.07	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection (33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009 LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.45	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.25	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-0.86	
33 01 30 11-0010 LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	3.27	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 5,000, Deduct	-0.82	
For >5,000, Deduct	-1.14	
33 01 30 11-0011 LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	4.08	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.41	
For >1,000 To 5,000, Deduct	-1.02	
For >5,000, Deduct	-1.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012 LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.44	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.54	
For >1,000 To 5,000, Deduct	-1.36	
For >5,000, Deduct	-1.90	
33 01 30 11-0013 LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	7.64	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 5,000, Deduct	-1.91	
For >5,000, Deduct	-2.67	
33 01 30 11-0014 LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	10.20	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 5,000, Deduct	-2.55	
For >5,000, Deduct	-3.57	
33 01 30 11-0015 LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	14.40	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.44	
For >1,000 To 5,000, Deduct	-3.60	
For >5,000, Deduct	-5.04	
33 01 30 11-0016 LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	20.39	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.04	
For >1,000 To 5,000, Deduct	-5.10	
For >5,000, Deduct	-7.14	
33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>		
33 01 30 11-0018 LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase	3.62	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 5,000, Deduct	-0.91	
For >5,000, Deduct	-1.27	
33 01 30 11-0019 LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase	4.82	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.48	
For >1,000 To 5,000, Deduct	-1.21	
For >5,000, Deduct	-1.69	
33 01 30 11-0020 LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase	6.04	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.60	
For >1,000 To 5,000, Deduct	-1.51	
For >5,000, Deduct	-2.11	
33 01 30 11-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase	8.04	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.80	
For >1,000 To 5,000, Deduct	-2.01	
For >5,000, Deduct	-2.81	
33 01 30 11-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase	11.31	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.13	
For >1,000 To 5,000, Deduct	-2.83	
For >5,000, Deduct	-3.96	
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	15.07	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.51	
For >1,000 To 5,000, Deduct	-3.77	
For >5,000, Deduct	-5.27	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	21.29	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.13	
For >1,000 To 5,000, Deduct	-5.32	
For >5,000, Deduct	-7.45	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase	30.16	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-3.02	
For >1,000 To 5,000, Deduct	-7.54	
For >5,000, Deduct	-10.56	
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.58	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.26	
For >1,000 To 5,000, Deduct	-0.65	
For >5,000, Deduct	-0.90	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.44	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.34	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.20	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.31	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.43	
For >1,000 To 5,000, Deduct	-1.08	
For >5,000, Deduct	-1.51	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.74	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 5,000, Deduct	-1.44	
For >5,000, Deduct	-2.01	
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	8.08	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.81	
For >1,000 To 5,000, Deduct	-2.02	
For >5,000, Deduct	-2.83	
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.77	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.08	
For >1,000 To 5,000, Deduct	-2.69	
For >5,000, Deduct	-3.77	
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	15.21	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.52	
For >1,000 To 5,000, Deduct	-3.80	
For >5,000, Deduct	-5.32	
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	21.54	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.15	
For >1,000 To 5,000, Deduct	-5.39	
For >5,000, Deduct	-7.54	
33 01 30 23 Pipe Bursting (33 01 30)		
33 01 30 23-0001 Pipe Bursting (33 01 30 23)		
Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30 23-0002 Manhole Chipping (33 01 30 23-0001)		
Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 23-0003 EA 6" To 15" Diameter, Manhole Chipping.....	414.77	
33 01 30 23-0004 EA >15" To 24" Diameter, Manhole Chipping.....	486.94	
33 01 30 23-0005 EA >24" To 36" Diameter, Manhole Chipping.....	608.64	
33 01 30 23-0006 Pipe Bursting (33 01 30 23-0001)		
Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.		
33 01 30 23-0007 Pipe Bursting Equipment Set-up (33 01 30 23-0006)		
33 01 30 23-0008 EA Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	8,070.06	
33 01 30 23-0009 EA Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	12,105.10	
33 01 30 23-0010 EA Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	20,175.16	
33 01 30 23-0011 EA Move And Reset Up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	3,026.28	
33 01 30 23-0012 EA Move And Reset Up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	4,539.41	
33 01 30 23-0013 EA Move And Reset Up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	7,565.68	
33 01 30 23-0014 EA Set Up/Move Pipe Bursting Equipment For Laterals.....	2,017.52	
33 01 30 23-0015 Pneumatic Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0016 LF 4" Diameter, Pneumatic Head Pipe Bursting	27.96	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.29	
For >150 To 200, Add	1.38	
For >100 To 150, Add	2.75	
For >75 To 100, Add	4.13	
For >50 To 75, Add	5.50	
For >25 To 50, Add	7.34	
For Up To 25, Add	10.09	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.29	
For Bursting Ductile Iron Pipe, Add	7.50	
33 01 30 23-0017 LF 6" Diameter, Pneumatic Head Pipe Bursting	32.36	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.84	
For >150 To 200, Add	1.71	
For >100 To 150, Add	3.41	
For >75 To 100, Add	5.12	
For >50 To 75, Add	6.82	
For >25 To 50, Add	9.10	
For Up To 25, Add	12.51	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.84	
For Bursting Ductile Iron Pipe, Add	8.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0018 LF 8" Diameter, Pneumatic Head Pipe Bursting	36.50	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.36	
For >150 To 200, Add	2.02	
For >100 To 150, Add	4.03	
For >75 To 100, Add	6.05	
For >50 To 75, Add	8.06	
For >25 To 50, Add	10.75	
For Up To 25, Add	14.78	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.36	
For Bursting Ductile Iron Pipe, Add	10.31	
33 01 30 23-0019 LF 10" Diameter, Pneumatic Head Pipe Bursting	41.83	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.03	
For >150 To 200, Add	2.42	
For >100 To 150, Add	4.83	
For >75 To 100, Add	7.25	
For >50 To 75, Add	9.66	
For >25 To 50, Add	12.88	
For Up To 25, Add	17.72	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.03	
For Bursting Ductile Iron Pipe, Add	12.07	
33 01 30 23-0020 LF 12" Diameter, Pneumatic Head Pipe Bursting	47.98	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.80	
For >150 To 200, Add	2.88	
For >100 To 150, Add	5.75	
For >75 To 100, Add	8.63	
For >50 To 75, Add	11.51	
For >25 To 50, Add	15.34	
For Up To 25, Add	21.10	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.80	
For Bursting Ductile Iron Pipe, Add	14.10	
33 01 30 23-0021 LF 15" Diameter, Pneumatic Head Pipe Bursting	52.89	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.95	
For >150 To 200, Add	2.97	
For >100 To 150, Add	5.94	
For >75 To 100, Add	8.91	
For >50 To 75, Add	11.88	
For >25 To 50, Add	15.84	
For Up To 25, Add	21.77	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.95	
For Bursting Ductile Iron Pipe, Add	15.06	
33 01 30 23-0022 LF 18" Diameter, Pneumatic Head Pipe Bursting	59.06	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.72	
For >150 To 200, Add	3.43	
For >100 To 150, Add	6.86	
For >75 To 100, Add	10.30	
For >50 To 75, Add	13.73	
For >25 To 50, Add	18.30	
For Up To 25, Add	25.17	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.72	
For Bursting Ductile Iron Pipe, Add	17.10	
33 01 30 23-0023 LF 21"/22" Diameter, Pneumatic Head Pipe Bursting	74.40	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.81	
For >150 To 200, Add	4.08	
For >100 To 150, Add	8.17	
For >75 To 100, Add	12.25	
For >50 To 75, Add	16.33	
For >25 To 50, Add	21.78	
For Up To 25, Add	29.94	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.81	
For Bursting Ductile Iron Pipe, Add	20.96	
33 01 30 23-0024 LF 24" Diameter, Pneumatic Head Pipe Bursting	91.90	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.99	
For >150 To 200, Add	5.40	
For >100 To 150, Add	10.79	
For >75 To 100, Add	16.19	
For >50 To 75, Add	21.58	
For >25 To 50, Add	28.78	
For Up To 25, Add	39.57	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.99	
For Bursting Ductile Iron Pipe, Add	26.73	
33 01 30 23-0025 LF 30" Diameter, Pneumatic Head Pipe Bursting	101.23	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	9.33	
For >150 To 200, Add	5.60	
For >100 To 150, Add	11.19	
For >75 To 100, Add	16.79	
For >50 To 75, Add	22.39	
For >25 To 50, Add	29.85	
For Up To 25, Add	41.05	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.33	
For Bursting Ductile Iron Pipe, Add	28.62	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0026 LF 36" Diameter, Pneumatic Head Pipe Bursting	130.79	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	13.02	
For >150 To 200, Add	7.81	
For >100 To 150, Add	15.63	
For >75 To 100, Add	23.44	
For >50 To 75, Add	31.26	
For >25 To 50, Add	41.68	
For Up To 25, Add	57.30	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	13.02	
For Bursting Ductile Iron Pipe, Add	38.37	
33 01 30 23-0027 Static Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0028 LF 4" Diameter, Static Head Pipe Bursting	36.88	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.41	
For >150 To 200, Add	2.04	
For >100 To 150, Add	4.09	
For >75 To 100, Add	6.13	
For >50 To 75, Add	8.18	
For >25 To 50, Add	10.90	
For Up To 25, Add	14.99	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.41	
For Bursting Ductile Iron Pipe, Add	10.44	
33 01 30 23-0029 LF 6" Diameter, Static Head Pipe Bursting	41.32	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.96	
For >150 To 200, Add	2.38	
For >100 To 150, Add	4.76	
For >75 To 100, Add	7.13	
For >50 To 75, Add	9.51	
For >25 To 50, Add	12.68	
For Up To 25, Add	17.44	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.96	
For Bursting Ductile Iron Pipe, Add	11.90	
33 01 30 23-0030 LF 8" Diameter, Static Head Pipe Bursting	46.44	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.60	
For >150 To 200, Add	2.76	
For >100 To 150, Add	5.52	
For >75 To 100, Add	8.28	
For >50 To 75, Add	11.05	
For >25 To 50, Add	14.73	
For Up To 25, Add	20.25	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.60	
For Bursting Ductile Iron Pipe, Add	13.59	
33 01 30 23-0031 LF 10" Diameter, Static Head Pipe Bursting	53.11	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.44	
For >150 To 200, Add	3.26	
For >100 To 150, Add	6.52	
For >75 To 100, Add	9.79	
For >50 To 75, Add	13.05	
For >25 To 50, Add	17.40	
For Up To 25, Add	23.92	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.44	
For Bursting Ductile Iron Pipe, Add	15.79	
33 01 30 23-0032 LF 12" Diameter, Static Head Pipe Bursting	60.80	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.40	
For >150 To 200, Add	3.84	
For >100 To 150, Add	7.68	
For >75 To 100, Add	11.52	
For >50 To 75, Add	15.35	
For >25 To 50, Add	20.47	
For Up To 25, Add	28.15	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.40	
For Bursting Ductile Iron Pipe, Add	18.33	
33 01 30 23-0033 LF 15" Diameter, Static Head Pipe Bursting	69.45	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.02	
For >150 To 200, Add	4.21	
For >100 To 150, Add	8.42	
For >75 To 100, Add	12.63	
For >50 To 75, Add	16.85	
For >25 To 50, Add	22.46	
For Up To 25, Add	30.88	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.02	
For Bursting Ductile Iron Pipe, Add	20.52	
33 01 30 23-0034 LF 18" Diameter, Static Head Pipe Bursting	76.85	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.94	
For >150 To 200, Add	4.77	
For >100 To 150, Add	9.53	
For >75 To 100, Add	14.30	
For >50 To 75, Add	19.07	
For >25 To 50, Add	25.42	
For Up To 25, Add	34.95	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.94	
For Bursting Ductile Iron Pipe, Add	22.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0035 LF 21" / 22" Diameter, Static Head Pipe Bursting	96.05	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	9.51	
For >150 To 200, Add	5.71	
For >100 To 150, Add	11.41	
For >75 To 100, Add	17.12	
For >50 To 75, Add	22.83	
For >25 To 50, Add	30.44	
For Up To 25, Add	41.85	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.51	
For Bursting Ductile Iron Pipe, Add	28.10	
33 01 30 23-0036 LF 24" Diameter, Static Head Pipe Bursting	124.27	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	13.04	
For >150 To 200, Add	7.82	
For >100 To 150, Add	15.65	
For >75 To 100, Add	23.47	
For >50 To 75, Add	31.29	
For >25 To 50, Add	41.72	
For Up To 25, Add	57.37	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	13.04	
For Bursting Ductile Iron Pipe, Add	37.42	
33 01 30 23-0037 LF 30" Diameter, Static Head Pipe Bursting	151.24	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	15.58	
For >150 To 200, Add	9.35	
For >100 To 150, Add	18.70	
For >75 To 100, Add	28.04	
For >50 To 75, Add	37.39	
For >25 To 50, Add	49.86	
For Up To 25, Add	68.55	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	15.58	
For Bursting Ductile Iron Pipe, Add	45.12	
33 01 30 23-0038 LF 36" Diameter, Static Head Pipe Bursting	182.85	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	19.53	
For >150 To 200, Add	11.72	
For >100 To 150, Add	23.44	
For >75 To 100, Add	35.16	
For >50 To 75, Add	46.88	
For >25 To 50, Add	62.50	
For Up To 25, Add	85.94	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	19.53	
For Bursting Ductile Iron Pipe, Add	55.55	
33 01 30 23-0039 Hydraulic Head Pipe Bursting <small>(33 01 30 23-0006)</small>		
33 01 30 23-0040 LF 4" Diameter, Hydraulic Head Pipe Bursting	32.04	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.80	
For >150 To 200, Add	1.68	
For >100 To 150, Add	3.36	
For >75 To 100, Add	5.04	
For >50 To 75, Add	6.73	
For >25 To 50, Add	8.97	
For Up To 25, Add	12.33	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.80	
For Bursting Ductile Iron Pipe, Add	8.84	
33 01 30 23-0041 LF 6" Diameter, Hydraulic Head Pipe Bursting	35.97	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.29	
For >150 To 200, Add	1.98	
For >100 To 150, Add	3.95	
For >75 To 100, Add	5.93	
For >50 To 75, Add	7.91	
For >25 To 50, Add	10.54	
For Up To 25, Add	14.49	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.29	
For Bursting Ductile Iron Pipe, Add	10.14	
33 01 30 23-0042 LF 8" Diameter, Hydraulic Head Pipe Bursting	40.48	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.86	
For >150 To 200, Add	2.31	
For >100 To 150, Add	4.63	
For >75 To 100, Add	6.94	
For >50 To 75, Add	9.26	
For >25 To 50, Add	12.34	
For Up To 25, Add	16.97	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.86	
For Bursting Ductile Iron Pipe, Add	11.63	
33 01 30 23-0043 LF 10" Diameter, Hydraulic Head Pipe Bursting	46.34	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.59	
For >150 To 200, Add	2.75	
For >100 To 150, Add	5.51	
For >75 To 100, Add	8.26	
For >50 To 75, Add	11.02	
For >25 To 50, Add	14.69	
For Up To 25, Add	20.20	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.59	
For Bursting Ductile Iron Pipe, Add	13.56	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0044 LF 12" Diameter, Hydraulic Head Pipe Bursting	53.11	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.44	
For >150 To 200, Add	3.26	
For >100 To 150, Add	6.52	
For >75 To 100, Add	9.79	
For >50 To 75, Add	13.05	
For >25 To 50, Add	17.40	
For Up To 25, Add	23.92	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.44	
For Bursting Ductile Iron Pipe, Add	15.79	
33 01 30 23-0045 LF 15" Diameter, Hydraulic Head Pipe Bursting	60.48	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.90	
For >150 To 200, Add	3.54	
For >100 To 150, Add	7.08	
For >75 To 100, Add	10.62	
For >50 To 75, Add	14.15	
For >25 To 50, Add	18.87	
For Up To 25, Add	25.95	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.90	
For Bursting Ductile Iron Pipe, Add	17.56	
33 01 30 23-0046 LF 18" Diameter, Hydraulic Head Pipe Bursting	67.74	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.81	
For >150 To 200, Add	4.08	
For >100 To 150, Add	8.17	
For >75 To 100, Add	12.25	
For >50 To 75, Add	16.33	
For >25 To 50, Add	21.78	
For Up To 25, Add	29.94	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.81	
For Bursting Ductile Iron Pipe, Add	19.96	
33 01 30 23-0047 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting	85.16	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.15	
For >150 To 200, Add	4.89	
For >100 To 150, Add	9.78	
For >75 To 100, Add	14.67	
For >50 To 75, Add	19.56	
For >25 To 50, Add	26.08	
For Up To 25, Add	35.86	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.15	
For Bursting Ductile Iron Pipe, Add	24.51	
33 01 30 23-0048 LF 24" Diameter, Hydraulic Head Pipe Bursting	111.09	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	11.39	
For >150 To 200, Add	6.83	
For >100 To 150, Add	13.67	
For >75 To 100, Add	20.50	
For >50 To 75, Add	27.34	
For >25 To 50, Add	36.45	
For Up To 25, Add	50.12	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	11.39	
For Bursting Ductile Iron Pipe, Add	33.07	
33 01 30 23-0049 LF 30" Diameter, Hydraulic Head Pipe Bursting	136.47	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	13.73	
For >150 To 200, Add	8.24	
For >100 To 150, Add	16.48	
For >75 To 100, Add	24.72	
For >50 To 75, Add	32.96	
For >25 To 50, Add	43.95	
For Up To 25, Add	60.43	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	13.73	
For Bursting Ductile Iron Pipe, Add	40.25	
33 01 30 23-0050 LF 36" Diameter, Hydraulic Head Pipe Bursting	166.53	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	17.49	
For >150 To 200, Add	10.49	
For >100 To 150, Add	20.99	
For >75 To 100, Add	31.48	
For >50 To 75, Add	41.98	
For >25 To 50, Add	55.97	
For Up To 25, Add	76.96	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	17.49	
For Bursting Ductile Iron Pipe, Add	50.17	
33 01 30 23-0051 Pipe Lining <small>(33 01 30 23-0001)</small>		
33 01 30 23-0052 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0051)</small>		
Note: Per each joint.		
33 01 30 23-0053 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	130.83	
33 01 30 23-0054 EA >15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	150.10	
33 01 30 23-0055 EA >24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	179.02	
33 01 30 23-0056 High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 23-0051)</small>		
Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0057 LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.12	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.63	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.70	
<i>For White Interior Pipe, Add</i>	1.15	
<i>For Gray Interior Pipe, Add</i>	0.87	
33 01 30 23-0058 LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	6.97	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.95	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.59	
<i>For White Interior Pipe, Add</i>	1.75	
<i>For Gray Interior Pipe, Add</i>	1.32	
33 01 30 23-0059 LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	9.26	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.36	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.69	
<i>For White Interior Pipe, Add</i>	2.49	
<i>For Gray Interior Pipe, Add</i>	1.89	
33 01 30 23-0060 LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	10.48	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.57	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	4.26	
<i>For White Interior Pipe, Add</i>	2.87	
<i>For Gray Interior Pipe, Add</i>	2.18	
33 01 30 23-0061 LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	14.55	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.29	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	6.23	
<i>For White Interior Pipe, Add</i>	4.20	
<i>For Gray Interior Pipe, Add</i>	3.19	
33 01 30 23-0062 LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	21.65	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.56	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	9.68	
<i>For White Interior Pipe, Add</i>	6.53	
<i>For Gray Interior Pipe, Add</i>	4.95	
33 01 30 23-0063 LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	29.75	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.01	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	13.61	
<i>For White Interior Pipe, Add</i>	9.19	
<i>For Gray Interior Pipe, Add</i>	6.96	
33 01 30 23-0064 LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	32.60	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.52	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	14.98	
<i>For White Interior Pipe, Add</i>	10.11	
<i>For Gray Interior Pipe, Add</i>	7.66	
33 01 30 23-0065 LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	35.61	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.04	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	16.42	
<i>For White Interior Pipe, Add</i>	11.08	
<i>For Gray Interior Pipe, Add</i>	8.40	
33 01 30 23-0066 LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	46.00	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-7.89	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	21.44	
<i>For White Interior Pipe, Add</i>	14.47	
<i>For Gray Interior Pipe, Add</i>	10.96	
33 01 30 23-0067 LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	57.83	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.00	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	27.16	
<i>For White Interior Pipe, Add</i>	18.33	
<i>For Gray Interior Pipe, Add</i>	13.89	
33 01 30 23-0068 LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	71.00	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-12.34	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	33.52	
<i>For White Interior Pipe, Add</i>	22.62	
<i>For Gray Interior Pipe, Add</i>	17.14	
33 01 30 23-0069 LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	85.58	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-14.93	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	40.55	
<i>For White Interior Pipe, Add</i>	27.37	
<i>For Gray Interior Pipe, Add</i>	20.73	
33 01 30 23-0070 LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	101.60	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-17.77	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	48.28	
<i>For White Interior Pipe, Add</i>	32.58	
<i>For Gray Interior Pipe, Add</i>	24.68	
33 01 30 23-0071 LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	118.92	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-20.84	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	56.62	
<i>For White Interior Pipe, Add</i>	38.21	
<i>For Gray Interior Pipe, Add</i>	28.95	
33 01 30 23-0072 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	137.76	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-24.18	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	65.68	
<i>For White Interior Pipe, Add</i>	44.33	
<i>For Gray Interior Pipe, Add</i>	33.58	
33 01 30 23-0073 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	158.02	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-27.76	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	75.40	
<i>For White Interior Pipe, Add</i>	50.89	
<i>For Gray Interior Pipe, Add</i>	38.55	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0074 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	179.72	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-31.57	
For DR 11 Polyethylene Pipe, 160 PSI, Add	85.78	
For White Interior Pipe, Add	57.89	
For Gray Interior Pipe, Add	43.85	
33 01 30 23-0075 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	221.36	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-38.96	
For DR 11 Polyethylene Pipe, 160 PSI, Add	105.84	
For White Interior Pipe, Add	71.43	
For Gray Interior Pipe, Add	54.11	
33 01 30 23-0076 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	227.77	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-39.97	
For DR 11 Polyethylene Pipe, 160 PSI, Add	108.57	
For White Interior Pipe, Add	73.27	
For Gray Interior Pipe, Add	55.51	
33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)		
Note: Excludes earthwork excavation and backfill		
33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee (33 01 30 23-0077)		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0079 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	1,328.73	
For No Excavation, Deduct	-860.73	
33 01 30 23-0080 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,491.44	
For No Excavation, Deduct	-968.32	
33 01 30 23-0081 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee.....	1,574.30	
For No Excavation, Deduct	-1,022.11	
33 01 30 23-0082 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee.....	1,657.15	
For No Excavation, Deduct	-1,075.91	
33 01 30 23-0083 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee.....	1,797.08	
For No Excavation, Deduct	-1,129.70	
33 01 30 23-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee.....	1,678.18	
For No Excavation, Deduct	-1,075.91	
33 01 30 23-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee.....	1,764.04	
For No Excavation, Deduct	-1,129.70	
33 01 30 23-0086 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee.....	1,891.95	
For No Excavation, Deduct	-1,183.50	
33 01 30 23-0087 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee.....	2,224.11	
For No Excavation, Deduct	-1,237.29	
33 01 30 23-0088 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee.....	2,343.02	
For No Excavation, Deduct	-1,291.09	
33 01 30 23-0089 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee.....	2,858.38	
For No Excavation, Deduct	-1,344.88	
33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style (33 01 30 23-0077)		
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0091 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,844.74	
For No Excavation, Deduct	-960.63	
For Strap-On Saddle Type Instead Of Fusion Weld	-245.73	
33 01 30 23-0092 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,132.38	
For No Excavation, Deduct	-999.06	
For Strap-On Saddle Type Instead Of Fusion Weld	-229.49	
33 01 30 23-0093 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,318.34	
For No Excavation, Deduct	-1,037.49	
For Strap-On Saddle Type Instead Of Fusion Weld	-78.49	
33 01 30 23-0094 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,548.88	
For No Excavation, Deduct	-1,152.76	
For Strap-On Saddle Type Instead Of Fusion Weld	-124.60	
33 01 30 23-0095 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,940.82	
For No Excavation, Deduct	-1,229.61	
For Strap-On Saddle Type Instead Of Fusion Weld	330.40	
33 01 30 23-0096 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	8,609.31	
For No Excavation, Deduct	-1,364.10	
For Strap-On Saddle Type Instead Of Fusion Weld	336.53	
33 01 30 23-0097 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,537.54	
For No Excavation, Deduct	-1,498.59	
For Strap-On Saddle Type Instead Of Fusion Weld	681.62	
33 01 30 23-0098 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,021.78	
For No Excavation, Deduct	-1,690.72	
For Strap-On Saddle Type Instead Of Fusion Weld	469.77	
33 01 30 23-0099 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	13,381.70	
For No Excavation, Deduct	-1,998.11	
For Strap-On Saddle Type Instead Of Fusion Weld	608.58	

33 01 30 41 Cleaning of Sewers (33 01 30)**33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)**

Note: Includes flushing. Owner provided water.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0002 Pipe Line Cleaning <small>(33 01 30 41-0001)</small>		
Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion <small>(33 01 30 41-0002)</small>		
Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,364.37	
33 01 30 41-0005 EA Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,046.57	
33 01 30 41-0006 EA Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,728.75	
33 01 30 41-0007 EA Initial Set Up And Final Equipment Removal For >30" Jet Cleaning	3,638.33	
33 01 30 41-0008 EA Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning	341.10	
33 01 30 41-0009 EA Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning	511.64	
33 01 30 41-0010 EA Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning	682.19	
33 01 30 41-0011 EA Move And Reset Up At Different Access/Location For >30" Jet Cleaning	852.73	
 33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines <small>(33 01 30 41-0002)</small>		
33 01 30 41-0013 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.66	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.37	
For >1,000 To 2,000, Deduct	-0.55	
For >2,000 To 5,000, Deduct	-0.73	
For >5,000, Deduct	-0.92	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.75	
33 01 30 41-0014 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.21	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.42	
For >1,000 To 2,000, Deduct	-0.63	
For >2,000 To 5,000, Deduct	-0.84	
For >5,000, Deduct	-1.05	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.16	
33 01 30 41-0015 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.94	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.49	
For >1,000 To 2,000, Deduct	-0.74	
For >2,000 To 5,000, Deduct	-0.99	
For >5,000, Deduct	-1.24	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.71	
33 01 30 41-0016 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.11	
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.61	
For >1,000 To 2,000, Deduct	-0.92	
For >2,000 To 5,000, Deduct	-1.22	
For >5,000, Deduct	-1.53	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.58	
33 01 30 41-0017 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.93	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.04	
For >2,000 To 5,000, Deduct	-1.39	
For >5,000, Deduct	-1.73	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.20	
33 01 30 41-0018 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.01	
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.80	
For >1,000 To 2,000, Deduct	-1.20	
For >2,000 To 5,000, Deduct	-1.60	
For >5,000, Deduct	-2.00	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	6.01	
33 01 30 41-0019 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	9.63	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.96	
For >1,000 To 2,000, Deduct	-1.44	
For >2,000 To 5,000, Deduct	-1.93	
For >5,000, Deduct	-2.41	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	7.22	
33 01 30 41-0020 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.93	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-1.09	
For >1,000 To 2,000, Deduct	-1.64	
For >2,000 To 5,000, Deduct	-2.19	
For >5,000, Deduct	-2.73	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	8.20	
33 01 30 41-0021 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	12.92	
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.29	
For >1,000 To 2,000, Deduct	-1.94	
For >2,000 To 5,000, Deduct	-2.58	
For >5,000, Deduct	-3.23	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	9.69	
33 01 30 41-0022 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	16.24	
For >250 To 500, Deduct	-0.81	
For >500 To 1,000, Deduct	-1.62	
For >1,000 To 2,000, Deduct	-2.44	
For >2,000 To 5,000, Deduct	-3.25	
For >5,000, Deduct	-4.06	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	12.18	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0023 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	18.95	
For>250 To 500, Deduct	-0.95	
For>500 To 1,000, Deduct	-1.90	
For>1,000 To 2,000, Deduct	-2.84	
For>2,000 To 5,000, Deduct	-3.79	
For>5,000, Deduct	-4.74	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	14.21	
33 01 30 41-0024 Flushing Of Storm Water Pipelines <small>(33 01 30 41-0002)</small>		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0025 LF 12" To 16" Diameter Pipe Line Flushing	1.37	
For>250 To 500, Deduct	-0.07	
For>500 To 1,000, Deduct	-0.14	
For>1,000 To 2,000, Deduct	-0.21	
For>2,000 To 5,000, Deduct	-0.27	
For>5,000, Deduct	-0.34	
33 01 30 41-0026 LF >16" To 24" Diameter Pipe Line Flushing	1.57	
For>250 To 500, Deduct	-0.08	
For>500 To 1,000, Deduct	-0.16	
For>1,000 To 2,000, Deduct	-0.24	
For>2,000 To 5,000, Deduct	-0.31	
For>5,000, Deduct	-0.39	
33 01 30 41-0027 LF >24" To 30" Diameter Pipe Line Flushing	1.84	
For>250 To 500, Deduct	-0.09	
For>500 To 1,000, Deduct	-0.18	
For>1,000 To 2,000, Deduct	-0.28	
For>2,000 To 5,000, Deduct	-0.37	
For>5,000, Deduct	-0.46	
33 01 30 41-0028 LF >30" To 42" Diameter Pipe Line Flushing	2.11	
For>250 To 500, Deduct	-0.11	
For>500 To 1,000, Deduct	-0.21	
For>1,000 To 2,000, Deduct	-0.32	
For>2,000 To 5,000, Deduct	-0.42	
For>5,000, Deduct	-0.53	
33 01 30 41-0029 LF >42" To 60" Diameter Pipe Line Flushing	2.81	
For>250 To 500, Deduct	-0.14	
For>500 To 1,000, Deduct	-0.28	
For>1,000 To 2,000, Deduct	-0.42	
For>2,000 To 5,000, Deduct	-0.56	
For>5,000, Deduct	-0.70	
33 01 30 41-0030 Hydro Jet Cleaning Of Culverts <small>(33 01 30 41-0002)</small>		
33 01 30 41-0031 LF Jet Cleaning Of Culvert, 0-250 LF	16.97	
For>250 To 500, Deduct	-0.85	
For>500 To 1,000, Deduct	-1.70	
For>1,000 To 2,000, Deduct	-2.55	
For>2,000 To 5,000, Deduct	-3.39	
For>5,000, Deduct	-4.24	
33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method <small>(33 01 30 41-0001)</small>		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0033 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,191.67	
33 01 30 41-0034 EA Move And Reset Up At Different Access/Location.....	397.23	
33 01 30 41-0035 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	6.92	
For>250 To 500, Deduct	-0.33	
For>500 To 1,000, Deduct	-0.66	
For>1,000 To 2,000, Deduct	-0.99	
For>2,000 To 5,000, Deduct	-1.32	
For>5,000, Deduct	-1.66	
33 01 30 41-0036 LF 6" Diameter Pipe Line Cleaning, Mechanical Method	9.12	
For>250 To 500, Deduct	-0.43	
For>500 To 1,000, Deduct	-0.85	
For>1,000 To 2,000, Deduct	-1.28	
For>2,000 To 5,000, Deduct	-1.70	
For>5,000, Deduct	-2.13	
33 01 30 41-0037 LF 8" Diameter Pipe Line Cleaning, Mechanical Method	10.68	
For>250 To 500, Deduct	-0.50	
For>500 To 1,000, Deduct	-0.99	
For>1,000 To 2,000, Deduct	-1.49	
For>2,000 To 5,000, Deduct	-1.99	
For>5,000, Deduct	-2.48	
33 01 30 41-0038 LF 10" Diameter Pipe Line Cleaning, Mechanical Method	12.36	
For>250 To 500, Deduct	-0.57	
For>500 To 1,000, Deduct	-1.15	
For>1,000 To 2,000, Deduct	-1.72	
For>2,000 To 5,000, Deduct	-2.29	
For>5,000, Deduct	-2.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0039 LF 12" Diameter Pipe Line Cleaning, Mechanical Method	13.46	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500 To 1,000, Deduct</i>	-1.24	
<i>For >1,000 To 2,000, Deduct</i>	-1.86	
<i>For >2,000 To 5,000, Deduct</i>	-2.48	
<i>For >5,000, Deduct</i>	-3.10	
33 01 30 41-0040 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	15.53	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500 To 1,000, Deduct</i>	-1.42	
<i>For >1,000 To 2,000, Deduct</i>	-2.13	
<i>For >2,000 To 5,000, Deduct</i>	-2.84	
<i>For >5,000, Deduct</i>	-3.55	
33 01 30 41-0041 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	19.61	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500 To 1,000, Deduct</i>	-1.75	
<i>For >1,000 To 2,000, Deduct</i>	-2.63	
<i>For >2,000 To 5,000, Deduct</i>	-3.50	
<i>For >5,000, Deduct</i>	-4.38	
33 01 30 41-0042 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	22.53	
<i>For >250 To 500, Deduct</i>	-0.98	
<i>For >500 To 1,000, Deduct</i>	-1.95	
<i>For >1,000 To 2,000, Deduct</i>	-2.93	
<i>For >2,000 To 5,000, Deduct</i>	-3.91	
<i>For >5,000, Deduct</i>	-4.89	
33 01 30 41-0043 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	26.22	
<i>For >250 To 500, Deduct</i>	-1.12	
<i>For >500 To 1,000, Deduct</i>	-2.25	
<i>For >1,000 To 2,000, Deduct</i>	-3.37	
<i>For >2,000 To 5,000, Deduct</i>	-4.50	
<i>For >5,000, Deduct</i>	-5.62	
33 01 30 41-0044 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	34.27	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500 To 1,000, Deduct</i>	-2.98	
<i>For >1,000 To 2,000, Deduct</i>	-4.47	
<i>For >2,000 To 5,000, Deduct</i>	-5.96	
<i>For >5,000, Deduct</i>	-7.45	
33 01 30 41-0045 LF >60" Diameter Pipe Line Cleaning, Mechanical Method	39.08	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500 To 1,000, Deduct</i>	-3.31	
<i>For >1,000 To 2,000, Deduct</i>	-4.97	
<i>For >2,000 To 5,000, Deduct</i>	-6.62	
<i>For >5,000, Deduct</i>	-8.28	
33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0047 EA Initial Set Up And Final Equipment Removal For Auguring	1,191.67	
33 01 30 41-0048 EA Move And Reset Up At Different Location	397.23	
33 01 30 41-0049 LF Up To 4" Diameter Pipe Line Auguring/Rod Out	3.97	
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500 To 1,000, Deduct</i>	-0.40	
<i>For >1,000 To 2,000, Deduct</i>	-0.60	
<i>For >2,000 To 5,000, Deduct</i>	-0.79	
<i>For >5,000, Deduct</i>	-0.99	
33 01 30 41-0050 LF 6" Diameter Pipe Line Auguring/Rod Out	5.14	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500 To 1,000, Deduct</i>	-0.51	
<i>For >1,000 To 2,000, Deduct</i>	-0.77	
<i>For >2,000 To 5,000, Deduct</i>	-1.03	
<i>For >5,000, Deduct</i>	-1.29	
33 01 30 41-0051 LF 8" Diameter Pipe Line Auguring/Rod Out	5.95	
<i>For >250 To 500, Deduct</i>	-0.30	
<i>For >500 To 1,000, Deduct</i>	-0.60	
<i>For >1,000 To 2,000, Deduct</i>	-0.89	
<i>For >2,000 To 5,000, Deduct</i>	-1.19	
<i>For >5,000, Deduct</i>	-1.49	
33 01 30 41-0052 LF 10" Diameter Pipe Line Auguring/Rod Out	6.93	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.04	
<i>For >2,000 To 5,000, Deduct</i>	-1.39	
<i>For >5,000, Deduct</i>	-1.73	
33 01 30 41-0053 LF 12" Diameter Pipe Line Auguring/Rod Out	7.45	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500 To 1,000, Deduct</i>	-0.75	
<i>For >1,000 To 2,000, Deduct</i>	-1.12	
<i>For >2,000 To 5,000, Deduct</i>	-1.49	
<i>For >5,000, Deduct</i>	-1.86	
33 01 30 41-0054 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out	8.52	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500 To 1,000, Deduct</i>	-0.85	
<i>For >1,000 To 2,000, Deduct</i>	-1.28	
<i>For >2,000 To 5,000, Deduct</i>	-1.70	
<i>For >5,000, Deduct</i>	-2.13	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0055 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	10.45	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-1.57	
For >2,000 To 5,000, Deduct	-2.09	
For >5,000, Deduct	-2.61	
33 01 30 41-0056 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	11.68	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-1.75	
For >2,000 To 5,000, Deduct	-2.34	
For >5,000, Deduct	-2.92	
33 01 30 41-0057 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	13.54	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.35	
For >1,000 To 2,000, Deduct	-2.03	
For >2,000 To 5,000, Deduct	-2.71	
For >5,000, Deduct	-3.39	
33 01 30 41-0058 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out.....	18.62	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.86	
For >1,000 To 2,000, Deduct	-2.79	
For >2,000 To 5,000, Deduct	-3.72	
For >5,000, Deduct	-4.66	
33 01 30 41-0059 LF >60" Diameter Pipe Line Auguring/Rod Out.....	19.86	
For >250 To 500, Deduct	-0.99	
For >500 To 1,000, Deduct	-1.99	
For >1,000 To 2,000, Deduct	-2.98	
For >2,000 To 5,000, Deduct	-3.97	
For >5,000, Deduct	-4.97	

33 01 30 42 Cleaning of Manholes (33 01 30)**33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)**

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Waste Water Drain.....	62.84	
33 01 30 42-0004 EA Rod Out Sewer Catch Basin.....	125.69	
33 01 30 42-0005 EA Up To 6" Diameter Pipe, Rod Out Blockage.....	25.14	
33 01 30 42-0006 EA 8" Diameter Pipe, Rod Out Blockage.....	27.65	
33 01 30 42-0007 EA 10" Diameter Pipe, Rod Out Blockage.....	31.42	
33 01 30 42-0008 EA 12" Diameter Pipe, Rod Out Blockage.....	36.45	
33 01 30 42-0009 EA >12" To 16" Diameter Pipe, Rod Out Blockage.....	42.74	
33 01 30 42-0010 EA >16" To 24" Diameter Pipe, Rod Out Blockage.....	50.27	
33 01 30 42-0011 EA >24" To 30" Diameter Pipe, Rod Out Blockage.....	59.07	
33 01 30 42-0012 EA >30" To 42" Diameter Pipe, Rod Out Blockage.....	67.88	
33 01 30 42-0013 EA >42" To 60" Diameter Pipe, Rod Out Blockage.....	79.18	
33 01 30 42-0014 EA >60" Diameter Pipe, Rod Out Blockage.....	94.27	
33 01 30 42-0015 EA Clean Out Debris From Entrance To Inlet Structure.....	314.22	
33 01 30 42-0016 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	843.73	
For >10 To 100, Deduct	-126.56	
For >100 To 250, Deduct	-189.84	
For >250, Deduct	-253.12	
33 01 30 42-0017 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	1,012.48	
For >10 To 100, Deduct	-151.87	
For >100 To 250, Deduct	-227.81	
For >250, Deduct	-303.74	
33 01 30 42-0018 EA Clean Out Blocked Catch Basin By Hand.....	506.24	
For >10 To 100, Deduct	-75.94	
For >100 To 250, Deduct	-113.90	
For >250, Deduct	-151.87	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020 EA Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	301.10	
33 01 30 42-0021 EA Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	279.61	
33 01 30 42-0022 EA Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	258.12	
33 01 30 42-0023 EA Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	236.62	
33 01 30 42-0024 EA Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	215.13	
33 01 30 42-0025 EA Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	193.65	

33 01 30 43 Removal of Protruding Service Connection (33 01 30)**33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)**

33 01 30 43-0002 EA Trim Protruding Service Tap, 4", Robotic.....	774.74	
33 01 30 43-0003 EA Trim Protruding Service Tap, 6", Robotic.....	852.21	
33 01 30 43-0004 EA Trim Protruding Service Tap, 8", Robotic.....	929.69	



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51			Maintenance of Utilities (33 01 30)		
33 01 30 51-0001			Pipe Repair (33 01 30 51) Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.		
33 01 30 51-0002			Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001) Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA		2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	140.26	
			For Stainless Steel Nuts And Bolts, Add	20.64	
33 01 30 51-0004	EA		2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	196.48	
			For Stainless Steel Nuts And Bolts, Add	31.10	
33 01 30 51-0005	EA		2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	225.89	
			For Stainless Steel Nuts And Bolts, Add	36.63	
33 01 30 51-0006	EA		2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	256.70	
			For Stainless Steel Nuts And Bolts, Add	42.14	
33 01 30 51-0007	EA		2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	151.05	
			For Stainless Steel Nuts And Bolts, Add	22.41	
33 01 30 51-0008	EA		2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	208.62	
			For Stainless Steel Nuts And Bolts, Add	33.19	
33 01 30 51-0009	EA		2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	238.22	
			For Stainless Steel Nuts And Bolts, Add	38.59	
33 01 30 51-0010	EA		2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	274.40	
			For Stainless Steel Nuts And Bolts, Add	45.15	
33 01 30 51-0011	EA		3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	161.74	
			For Stainless Steel Nuts And Bolts, Add	24.52	
33 01 30 51-0012	EA		3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	216.71	
			For Stainless Steel Nuts And Bolts, Add	34.70	
33 01 30 51-0013	EA		3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	249.63	
			For Stainless Steel Nuts And Bolts, Add	40.68	
33 01 30 51-0014	EA		3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	289.63	
			For Stainless Steel Nuts And Bolts, Add	48.30	
33 01 30 51-0015	EA		4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	181.83	
			For Stainless Steel Nuts And Bolts, Add	27.88	
33 01 30 51-0016	EA		4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	239.01	
			For Stainless Steel Nuts And Bolts, Add	37.53	
33 01 30 51-0017	EA		4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	289.56	
			For Stainless Steel Nuts And Bolts, Add	45.68	
33 01 30 51-0018	EA		4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	348.72	
			For Stainless Steel Nuts And Bolts, Add	55.11	
33 01 30 51-0019	EA		4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	452.78	
			For Stainless Steel Nuts And Bolts, Add	74.02	
33 01 30 51-0020	EA		4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	561.95	
			For Stainless Steel Nuts And Bolts, Add	92.93	
33 01 30 51-0021	EA		4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	684.54	
			For Stainless Steel Nuts And Bolts, Add	113.99	
33 01 30 51-0022	EA		6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	213.53	
			For Stainless Steel Nuts And Bolts, Add	32.90	
33 01 30 51-0023	EA		6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	282.14	
			For Stainless Steel Nuts And Bolts, Add	44.63	
33 01 30 51-0024	EA		6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	334.54	
			For Stainless Steel Nuts And Bolts, Add	52.62	
33 01 30 51-0025	EA		6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	392.76	
			For Stainless Steel Nuts And Bolts, Add	61.15	
33 01 30 51-0026	EA		6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	537.53	
			For Stainless Steel Nuts And Bolts, Add	88.61	
33 01 30 51-0027	EA		6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	653.09	
			For Stainless Steel Nuts And Bolts, Add	108.06	
33 01 30 51-0028	EA		6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	779.93	
			For Stainless Steel Nuts And Bolts, Add	129.12	
33 01 30 51-0029	EA		8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	283.92	
			For Stainless Steel Nuts And Bolts, Add	39.36	
33 01 30 51-0030	EA		8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	367.42	
			For Stainless Steel Nuts And Bolts, Add	52.08	
33 01 30 51-0031	EA		8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	443.20	
			For Stainless Steel Nuts And Bolts, Add	63.02	
33 01 30 51-0032	EA		8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	529.55	
			For Stainless Steel Nuts And Bolts, Add	75.10	
33 01 30 51-0033	EA		8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	696.25	
			For Stainless Steel Nuts And Bolts, Add	104.04	
33 01 30 51-0034	EA		8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	832.77	
			For Stainless Steel Nuts And Bolts, Add	124.41	
33 01 30 51-0035	EA		8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	987.72	
			For Stainless Steel Nuts And Bolts, Add	146.43	
33 01 30 51-0036	EA		10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	329.52	
			For Stainless Steel Nuts And Bolts, Add	47.90	
33 01 30 51-0037	EA		10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	439.64	
			For Stainless Steel Nuts And Bolts, Add	66.26	
33 01 30 51-0038	EA		10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	518.71	
			For Stainless Steel Nuts And Bolts, Add	77.47	
33 01 30 51-0039	EA		10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	635.15	
			For Stainless Steel Nuts And Bolts, Add	95.82	
33 01 30 51-0040	EA		10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	827.32	
			For Stainless Steel Nuts And Bolts, Add	129.97	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	945.98	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	145.27	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,209.70	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	191.65	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	375.90	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	54.03	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	488.67	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	71.86	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	589.54	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	86.96	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	723.58	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	925.06	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	142.72	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,089.79	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	166.67	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,378.04	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	216.11	
33 01 30 51-0050		Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small>		
		Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	803.18	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	207.89	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,132.67	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	300.12	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,522.01	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	407.00	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,226.45	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	613.43	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	843.14	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	218.12	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,185.84	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	314.03	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,589.88	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	424.56	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,334.36	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	642.70	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	865.95	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	222.53	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,215.77	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	319.90	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,633.41	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	434.08	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,396.39	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	656.60	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	890.16	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	226.92	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,249.97	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	326.48	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,676.81	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	442.13	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,459.13	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	669.79	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	912.22	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	230.58	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,279.80	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	331.60	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,720.21	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	450.18	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,516.84	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	680.76	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	932.86	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	234.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0072 EA 17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,309.72	
For Stainless Steel Nuts And Bolts, Add	337.45	
33 01 30 51-0073 EA 17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,758.68	
For Stainless Steel Nuts And Bolts, Add	457.50	
33 01 30 51-0074 EA 17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,555.49	
For Stainless Steel Nuts And Bolts, Add	686.25	
33 01 30 51-0075 EA 18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	956.15	
For Stainless Steel Nuts And Bolts, Add	238.81	
33 01 30 51-0076 EA 18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,344.64	
For Stainless Steel Nuts And Bolts, Add	344.77	
33 01 30 51-0077 EA 18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,799.24	
For Stainless Steel Nuts And Bolts, Add	465.55	
33 01 30 51-0078 EA 18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,633.74	
For Stainless Steel Nuts And Bolts, Add	705.65	
33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling.....	112.07	
33 01 30 51-0083 EA 3/4" Copper Compression Repair Coupling.....	130.27	
33 01 30 51-0084 EA 1" Copper Compression Repair Coupling.....	153.18	
33 01 30 51-0085 EA 1-1/4" Copper Compression Repair Coupling.....	172.23	
33 01 30 51-0086 EA 1-1/2" Copper Compression Repair Coupling.....	267.47	
33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
33 01 30 51-0088 EA 1/2" Copper Compression Repair 90 Degree Elbow.....	135.23	
33 01 30 51-0089 EA 1" Copper Compression Repair 90 Degree Elbow.....	156.49	
33 01 30 51-0090 EA 1-1/2" Copper Compression Repair 90 Degree Elbow.....	320.13	
33 01 30 51-0091 EA 1" IPS x 1" CTS 90 Degree Plain End Street Elbow.....	125.48	
33 01 30 51-0092 EA 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow.....	112.92	
33 01 30 51-0093 EA 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	132.19	
33 01 30 51-0094 EA 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	163.87	
33 01 30 51-0095 Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
33 01 30 51-0096 EA 1/2" Copper Compression Repair Tee.....	249.00	
33 01 30 51-0097 EA 3/4" Copper Compression Repair Tee.....	191.29	
33 01 30 51-0098 EA 1" Copper Compression Repair Tee.....	227.35	
33 01 30 51-0099 EA 1" F x 1" M x 1" CTS Street Tee.....	186.30	
33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101 EA 3/4" M x 1/2" CTS Male Adapter.....	117.19	
33 01 30 51-0102 EA 3/4" M x 3/4" CTS Male Adapter.....	93.60	
33 01 30 51-0103 EA 1" M x 1" CTS Male Adapter.....	106.36	
33 01 30 51-0104 EA 1-1/4" M x 1" CTS Male Adapter.....	128.98	
33 01 30 51-0105 EA 1-1/4" M x 1-1/4" CTS Male Adapter.....	155.02	
33 01 30 51-0106 EA 1-1/2" M x 1" CTS Male Adapter.....	168.92	
33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
33 01 30 51-0108 EA 3/4" M x 3/4" CTS Female Adapter.....	137.60	
33 01 30 51-0109 EA 1" M x 1" CTS Female Adapter.....	145.35	
33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)		
Note: Includes gaskets.		
33 01 30 51-0112 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	81.93	
33 01 30 51-0113 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	83.28	
33 01 30 51-0114 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring.....	93.86	
33 01 30 51-0115 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	104.55	
33 01 30 51-0116 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	129.25	
33 01 30 51-0117 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring.....	157.20	
33 01 30 51-0118 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	84.16	
33 01 30 51-0119 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	85.74	
33 01 30 51-0120 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	94.23	
33 01 30 51-0121 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	105.69	
33 01 30 51-0122 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	133.00	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0123 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	158.85	
33 01 30 51-0124 EA 3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	159.97	
33 01 30 51-0125 EA 1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	187.14	
33 01 30 51-0126 EA 1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	194.91	
33 01 30 51-0127 EA 1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	219.42	
33 01 30 51-0128 EA 2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	266.97	
33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression) <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.		
33 01 30 51-0130 EA 3/4" x 1/2" Reducing Coupling (Compression).....	90.74	
33 01 30 51-0131 EA 1" x 3/4" Reducing Coupling (Compression).....	96.29	
33 01 30 51-0132 EA 1-1/4" x 3/4" Reducing Coupling (Compression).....	108.62	
33 01 30 51-0133 EA 1-1/4" x 1" Reducing Coupling (Compression).....	112.74	
33 01 30 51-0134 EA 1-1/2" x 3/4" Reducing Coupling (Compression).....	215.31	
33 01 30 51-0135 EA 1-1/2" x 1" Reducing Coupling (Compression).....	135.64	
33 01 30 51-0136 EA 1-1/2" x 1-1/4" Reducing Coupling (Compression).....	136.23	
33 01 30 51-0137 EA 2" x 3/4" Reducing Coupling (Compression).....	257.16	
33 01 30 51-0138 EA 2" x 1" Reducing Coupling (Compression).....	234.28	
33 01 30 51-0139 EA 2" x 1-1/4" Reducing Coupling (Compression).....	179.83	
33 01 30 51-0140 EA 2" x 1-1/2" Reducing Coupling (Compression).....	179.23	
33 01 30 51-0141 Steel Compression Repair Fittings, Elbows <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.		
33 01 30 51-0142 EA 1" 45 Degree Elbow (Compression).....	148.82	
33 01 30 51-0143 EA 1-1/4" 45 Degree Elbow (Compression)	155.30	
33 01 30 51-0144 EA 1-1/2" 45 Degree Elbow (Compression)	200.50	
33 01 30 51-0145 EA 2" 45 Degree Elbow (Compression).....	252.89	
33 01 30 51-0146 EA 3/4" 90 Degree Elbow (Compression).....	100.24	
33 01 30 51-0147 EA 1" 90 Degree Elbow (Compression).....	104.24	
33 01 30 51-0148 EA 1-1/4" 90 Degree Elbow (Compression)	122.01	
33 01 30 51-0149 EA 1-1/2" 90 Degree Elbow (Compression)	173.50	
33 01 30 51-0150 EA 2" 90 Degree Elbow (Compression).....	190.46	
33 01 30 51-0151 EA 3/4" Plain End 90 Degree Street Elbow (Compression).....	100.55	
33 01 30 51-0152 EA 1" Plain End 90 Degree Street Elbow (Compression).....	89.39	
33 01 30 51-0153 EA 1-1/4" Plain End 90 Degree Street Elbow (Compression).....	101.01	
33 01 30 51-0154 EA 1-1/2" Plain End 90 Degree Street Elbow (Compression).....	127.72	
33 01 30 51-0155 EA 2" Plain End 90 Degree Street Elbow (Compression).....	164.56	
33 01 30 51-0156 EA 3/4" Threaded End 90 Degree Street Elbow (Compression)	103.77	
33 01 30 51-0157 EA 1" Threaded End 90 Degree Street Elbow (Compression).....	95.44	
33 01 30 51-0158 EA 1-1/4" Threaded End 90 Degree Street Elbow (Compression).....	123.45	
33 01 30 51-0159 EA 1-1/2" Threaded End 90 Degree Street Elbow (Compression).....	149.12	
33 01 30 51-0160 EA 2" Threaded End 90 Degree Street Elbow (Compression)	210.35	
33 01 30 51-0161 Steel Compression Repair Fittings, Tees <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.		
33 01 30 51-0162 EA 3/4" Street Tee (Compression)	111.42	
33 01 30 51-0163 EA 1" Street Tee (Compression)	131.10	
33 01 30 51-0164 EA 1-1/4" Street Tee (Compression)	133.17	
33 01 30 51-0165 EA 1-1/2" Street Tee (Compression)	154.32	
33 01 30 51-0166 EA 2" Street Tee (Compression)	231.19	
33 01 30 51-0167 EA 1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression).....	132.01	
33 01 30 51-0168 EA 1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	137.85	
33 01 30 51-0169 EA 1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....	172.64	
33 01 30 51-0170 EA 1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....	199.06	
33 01 30 51-0171 EA 1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....	200.22	
33 01 30 51-0172 EA 1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....	170.15	
33 01 30 51-0173 EA 2" x 1-1/4" x 2" Reducing Street Tee (Compression)	225.48	
33 01 30 51-0174 EA 2" x 1-1/2" x 2" Reducing Street Tee (Compression).....	254.83	
33 01 30 51-0175 EA 3/4" Welding Street Tee (Compression)	199.48	
33 01 30 51-0176 EA 1" Welding Street Tee (Compression)	200.80	
33 01 30 51-0177 EA 1-1/4" Welding Street Tee (Compression)	215.77	
33 01 30 51-0178 EA 1-1/2" Welding Street Tee (Compression)	259.98	
33 01 30 51-0179 EA 2" Welding Street Tee (Compression)	349.05	
33 01 30 51-0180 EA 3/4" Regular Tee (Compression)	148.25	
33 01 30 51-0181 EA 1" Regular Tee (Compression)	256.69	
33 01 30 51-0182 EA 1-1/4" Regular Tee (Compression)	271.54	
33 01 30 51-0183 EA 1-1/2" Regular Tee (Compression)	292.69	
33 01 30 51-0184 EA 2" Regular Tee (Compression)	325.27	
33 01 30 51-0185 EA 2" x 2" x 1-1/4" Regular Reducing Tee (Compression).....	320.57	
33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.		
33 01 30 51-0187 EA 3/4" Male Adapter (Compression).....	99.96	
33 01 30 51-0188 EA 1" Male Adapter (Compression).....	111.56	
33 01 30 51-0189 EA 1-1/4" Male Adapter (Compression).....	144.89	
33 01 30 51-0190 EA 1-1/2" Male Adapter (Compression).....	164.12	
33 01 30 51-0191 EA 2" Male Adapter (Compression).....	185.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression)	144.13	
33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0194 EA 3/4" Line Caps (Compression).....	53.59	
33 01 30 51-0195 EA 1" Line Caps (Compression).....	62.39	
33 01 30 51-0196 EA 1-1/4" Line Caps (Compression).....	71.34	
33 01 30 51-0197 EA 1-1/2" Line Caps (Compression).....	84.10	
33 01 30 51-0198 EA 2" Line Caps (Compression).....	103.77	
 33 01 30 51-0199 Couplings For Steel Pipe (33 01 30 51-0079)		
Note: Includes Buna S gasket, Dresser style 38		
33 01 30 51-0200 EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	81.24	
33 01 30 51-0201 EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	100.95	
33 01 30 51-0202 EA 1" Coupling, 5" Middle Ring With Buna S Gasket.....	116.63	
33 01 30 51-0203 EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket.....	139.97	
33 01 30 51-0204 EA 2" Coupling, 4" Middle Ring With Buna S Gasket.....	173.01	
33 01 30 51-0205 EA 2" Coupling, 5" Middle Ring With Buna S Gasket.....	224.60	
33 01 30 51-0206 EA 2" Coupling, 7" Middle Ring With Buna S Gasket.....	211.76	
33 01 30 51-0207 EA 3" Coupling, 4" Middle Ring With Buna S Gasket.....	278.68	
33 01 30 51-0208 EA 3" Coupling, 5" Middle Ring With Buna S Gasket.....	286.45	
33 01 30 51-0209 EA 3" Coupling, 7" Middle Ring With Buna S Gasket.....	294.22	
33 01 30 51-0210 EA 4" Coupling, 4" Middle Ring With Buna S Gasket.....	324.86	
33 01 30 51-0211 EA 4" Coupling, 5" Middle Ring With Buna S Gasket.....	338.05	
33 01 30 51-0212 EA 4" Coupling, 7" Middle Ring With Buna S Gasket.....	354.58	
33 01 30 51-0213 EA 5" Coupling, 4" Middle Ring With Buna S Gasket.....	418.34	
33 01 30 51-0214 EA 5" Coupling, 5" Middle Ring With Buna S Gasket.....	423.55	
33 01 30 51-0215 EA 5" Coupling, 7" Middle Ring With Buna S Gasket.....	442.51	
33 01 30 51-0216 EA 6" Coupling, 4" Middle Ring With Buna S Gasket.....	448.57	
33 01 30 51-0217 EA 6" Coupling, 5" Middle Ring With Buna S Gasket.....	462.65	
33 01 30 51-0218 EA 6" Coupling, 7" Middle Ring With Buna S Gasket.....	480.64	
33 01 30 51-0219 EA 8" Coupling, 4" Middle Ring With Buna S Gasket.....	523.54	
33 01 30 51-0220 EA 8" Coupling, 5" Middle Ring With Buna S Gasket.....	544.37	
33 01 30 51-0221 EA 8" Coupling, 7" Middle Ring With Buna S Gasket.....	561.46	
33 01 30 51-0222 EA 10" Coupling, 5" Middle Ring With Buna S Gasket.....	640.50	
33 01 30 51-0223 EA 10" Coupling, 7" Middle Ring With Buna S Gasket.....	738.79	
33 01 30 51-0224 EA 12" Coupling, 5" Middle Ring With Buna S Gasket.....	727.84	
33 01 30 51-0225 EA 12" Coupling, 7" Middle Ring With Buna S Gasket.....	936.19	
33 01 30 51-0226 EA 14" Coupling, 7" Middle Ring With Buna S Gasket.....	1,079.62	
33 01 30 51-0227 EA 16" Coupling, 7" Middle Ring With Buna S Gasket.....	1,284.54	
33 01 30 51-0228 EA 18" Coupling, 7" Middle Ring With Buna S Gasket.....	1,412.31	
33 01 30 51-0229 EA 20" Coupling, 7" Middle Ring With Buna S Gasket.....	1,524.53	
33 01 30 51-0230 EA 22" Coupling, 7" Middle Ring With Buna S Gasket.....	1,897.06	
33 01 30 51-0231 EA 24" Coupling, 7" Middle Ring With Buna S Gasket.....	1,997.63	
 33 01 30 51-0232 Couplings For Steel Pipe (33 01 30 51-0079)		
Note: Includes Buna S gasket, protected, Dresser style 38.		
33 01 30 51-0233 EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	83.47	
33 01 30 51-0234 EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	100.64	
33 01 30 51-0235 EA 1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	116.49	
33 01 30 51-0236 EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	138.94	
33 01 30 51-0237 EA 2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	202.65	
33 01 30 51-0238 EA 2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	198.57	
33 01 30 51-0239 EA 2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	200.61	
33 01 30 51-0240 EA 3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	294.22	
33 01 30 51-0241 EA 3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	301.99	
33 01 30 51-0242 EA 3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	309.76	
33 01 30 51-0243 EA 4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	346.03	
33 01 30 51-0244 EA 4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	332.34	
33 01 30 51-0245 EA 4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	339.54	
33 01 30 51-0246 EA 5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	445.62	
33 01 30 51-0247 EA 5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	449.42	
33 01 30 51-0248 EA 5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	625.68	
33 01 30 51-0249 EA 6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	456.90	
33 01 30 51-0250 EA 6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	477.13	
33 01 30 51-0251 EA 6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	484.93	
33 01 30 51-0252 EA 8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	568.74	
33 01 30 51-0253 EA 8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	576.42	
33 01 30 51-0254 EA 8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	588.79	
33 01 30 51-0255 EA 10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	659.15	
33 01 30 51-0256 EA 10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	758.22	
33 01 30 51-0257 EA 12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	747.26	
33 01 30 51-0258 EA 12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	955.19	
33 01 30 51-0259 EA 14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,099.05	
33 01 30 51-0260 EA 16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,313.68	
33 01 30 51-0261 EA 18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,451.16	
33 01 30 51-0262 EA 20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,563.38	
33 01 30 51-0263 EA 22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,935.91	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0264 EA 24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....2,036.48

33 01 30 51-0265**Couplings For Steel Pipe (33 01 30 51-0079)**

Note: Includes Buna N gasket, protected, Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	97.28
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	114.70
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	132.98
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	160.37
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	202.65
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	237.34
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	248.88
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	294.22
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	301.99
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	309.76
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	346.03
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	373.73
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	384.26
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	445.62
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	449.42
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	493.91
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	456.90
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	477.13
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	484.93
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	568.74
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	576.42
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	588.79
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	659.15
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	758.22
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	747.26
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	955.19
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,099.05
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,284.54
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,451.16
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,563.38
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,935.91
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	2,036.48

33 01 30 51-0298**Couplings For Steel Pipe (33 01 30 51-0079)**

Note: Includes high temperature carded glass gasket, protected, Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	163.44
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	177.54
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	187.54
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	284.82
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	306.07
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	316.89
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	369.11
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	366.66
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	412.58
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	423.11
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	570.05
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	584.02
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	608.95
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	618.21
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	635.39
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	774.42
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	831.12
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	852.61
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	852.41
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	1,078.15
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,120.85
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,294.15
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,614.42
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,583.25
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,763.46
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,910.66
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	2,075.33

33 01 30 51-0326**Grind Offset Joint (33 01 30 51-0001)**

33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	464.84
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	619.78
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	774.74
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	929.69

33 01 30 51-0331**Pipe Plugging (33 01 30 51-0001)**

33 01 30 51-0331	EA	Pipe Plugging	
------------------	----	---------------	--

33 01 30 51-0332**Gravity Bladder Type, Temporary Pipe Plugging (33 01 30 51-0331)**

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0333 EA 3/4" Bladder Type, Temporary Pipe Plug.....	76.83	
33 01 30 51-0334 EA 1" Bladder Type, Temporary Pipe Plug.....	82.22	
33 01 30 51-0335 EA 1-1/4" Bladder Type, Temporary Pipe Plug.....	88.76	
33 01 30 51-0336 EA 1-1/2" Bladder Type, Temporary Pipe Plug.....	94.84	
33 01 30 51-0337 EA 2" Bladder Type, Temporary Pipe Plug.....	100.69	
33 01 30 51-0338 EA 2-1/2" Bladder Type, Temporary Pipe Plug.....	107.22	
33 01 30 51-0339 EA 3" Bladder Type, Temporary Pipe Plug.....	115.50	
33 01 30 51-0340 EA 4" Bladder Type, Temporary Pipe Plug.....	127.07	
33 01 30 51-0341 EA 5" Bladder Type, Temporary Pipe Plug.....	137.69	
33 01 30 51-0342 EA 6" Bladder Type, Temporary Pipe Plug.....	153.60	
33 01 30 51-0343 EA 8" Bladder Type, Temporary Pipe Plug.....	170.53	
33 01 30 51-0344 EA 10" Bladder Type, Temporary Pipe Plug.....	197.65	
33 01 30 51-0345 EA 12" Bladder Type, Temporary Pipe Plug.....	231.31	
33 01 30 51-0346 EA 14" Bladder Type, Temporary Pipe Plug.....	275.28	
33 01 30 51-0347 EA 16" Bladder Type, Temporary Pipe Plug.....	331.63	
33 01 30 51-0348 EA 18" Bladder Type, Temporary Pipe Plug.....	399.33	
33 01 30 51-0349 EA 20" Bladder Type, Temporary Pipe Plug.....	475.80	
33 01 30 51-0350 EA 24" Bladder Type, Temporary Pipe Plug.....	549.35	
33 01 30 51-0351	Hydra Stop, Hot Tapping Of Pressure Pipe <small>(33 01 30 51-0331)</small>	
	Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.	
33 01 30 51-0352 EA 2" Hydra Stop, Line Stopper.....	2,724.53	
33 01 30 51-0353 EA 2-1/2" Hydra Stop, Line Stopper.....	3,418.96	
33 01 30 51-0354 EA 3" Hydra Stop, Line Stopper.....	4,193.19	
33 01 30 51-0355 EA 4" Hydra Stop, Line Stopper.....	5,050.01	
33 01 30 51-0356 EA 5" Hydra Stop, Line Stopper.....	5,680.72	
33 01 30 51-0357 EA 6" Hydra Stop, Line Stopper.....	6,676.13	
33 01 30 51-0358 EA 8" Hydra Stop, Line Stopper.....	7,306.83	
33 01 30 51-0359 EA 10" Hydra Stop, Line Stopper.....	8,302.20	
33 01 30 51-0360 EA 12" Hydra Stop, Line Stopper.....	9,297.60	
33 01 30 51-0361 EA 14" Hydra Stop, Line Stopper.....	10,359.48	
33 01 30 51-0362 EA 16" Hydra Stop, Line Stopper.....	11,820.45	
33 01 30 51-0363 EA 18" Hydra Stop, Line Stopper.....	13,480.92	
33 01 30 51-0364 EA 20" Hydra Stop, Line Stopper.....	16,072.35	
33 01 30 51-0365	Aluminum Expansion Plugs <small>(33 01 30 51-0331)</small>	
	Note: For use with PVC, clay Or cast iron drainage pipe.	
33 01 30 51-0366 EA 3" Pipe Aluminum Expansion Plug.....	82.20	
33 01 30 51-0367 EA 4" Pipe Aluminum Expansion Plug.....	116.86	
33 01 30 51-0368 EA 5" Pipe Aluminum Expansion Plug.....	131.53	
33 01 30 51-0369 EA 6" Pipe Aluminum Expansion Plug.....	197.83	
33 01 30 51-0370 EA 8" Pipe Aluminum Expansion Plug.....	203.50	
33 01 30 51-0371 EA 10" Pipe Aluminum Expansion Plug.....	253.63	
33 01 30 51-0372 EA 12" Pipe Aluminum Expansion Plug.....	341.31	
33 01 30 51-0373 EA 14" Pipe Aluminum Expansion Plug.....	547.87	
33 01 30 51-0374 EA 15" Pipe Aluminum Expansion Plug.....	593.05	
33 01 30 51-0375	Pipe Repair Clamp, Stainless Steel, 3" Long <small>(33 01 30 51-0001)</small>	
33 01 30 51-0376 EA 1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	197.19	
33 01 30 51-0377 EA 3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	197.37	
33 01 30 51-0378 EA 1" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	197.81	
33 01 30 51-0379 EA 1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	198.25	
33 01 30 51-0380 EA 1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	198.47	
33 01 30 51-0381 EA 2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	199.13	
33 01 30 51-0382 EA 2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	199.79	
33 01 30 51-0383 EA 3" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	200.67	
33 01 30 51-0384 EA 4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	362.82	
33 01 30 51-0385 EA 6" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	365.68	
33 01 30 51-0386 EA 8" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	367.67	
33 01 30 51-0387 EA 10" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	388.62	
33 01 30 51-0388 EA 12" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	391.27	
33 01 30 51-0389 EA 14" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	393.04	
33 01 30 51-0390 EA 16" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	395.68	
33 01 30 51-0391 EA 18" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	398.33	
33 01 30 51-0392 EA 20" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	401.86	
33 01 30 51-0393 EA 24" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	408.03	
33 01 30 51-0394	Polyseal Pipe Coupler <small>(33 01 30 51-0001)</small>	
33 01 30 51-0395 EA 18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	411.62	
33 01 30 51-0396 EA 24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	465.20	
33 01 30 63	Sewer and Pipe Joint Sealing <small>(33 01 30)</small>	
33 01 30 63-0001	Joint Air Test <small>(33 01 30 63)</small>	
33 01 30 63-0002 EA 4" To 8", Joint Air Test.....	113.84	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 63-0003 EA 10" To 15", Joint Air Test	132.81	
33 01 30 63-0004 EA >15" To 21", Joint Air Test	151.78	
33 01 30 63-0005 EA >21" To 24", Joint Air Test	189.73	
33 01 30 63-0006 EA >24" To 27", Joint Air Test	227.67	
33 01 30 63-0007 EA >27" To 36", Joint Air Test	265.62	
33 01 30 63-0008 Joint Seal And Joint Air Retest (33 01 30 63)		
Note: Includes grout.		
33 01 30 63-0009 EA 4" Joint Seal And Joint Air Retest	339.42	
Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010 EA 6" Joint Seal And Joint Air Retest	377.37	
Note: Includes 1 gallon of grout.		
33 01 30 63-0011 EA 8" Joint Seal And Joint Air Retest	451.17	
Note: Includes 2 gallons of grout.		
33 01 30 63-0012 EA 10" Joint Seal And Joint Air Retest	507.06	
Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013 EA 12" Joint Seal And Joint Air Retest	562.93	
Note: Includes 3 gallons of grout.		
33 01 30 63-0014 EA 15" Joint Seal And Joint Air Retest	665.71	
Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015 EA 18" Joint Seal And Joint Air Retest	768.50	
Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016 EA 21" Joint Seal And Joint Air Retest	871.29	
Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017 EA 24" Joint Seal And Joint Air Retest	1,012.02	
Note: Includes 6 gallons of grout.		
33 01 30 63-0018 EA 27" Joint Seal And Joint Air Retest	1,152.75	
Note: Includes 6.75 gallons of grout.		
33 01 30 63-0019 EA 30" Joint Seal And Joint Air Retest	1,331.44	
Note: Includes 7.5 gallons of grout.		
33 01 30 63-0020 EA 36" Joint Seal And Joint Air Retest	1,537.02	
Note: Includes 9 gallons of grout.		
33 01 30 63-0021 GAL Extra Grout Per Joint	187.64	
Note: For extra grout per joint required over listed amount.		
33 01 30 71 Relining Sewers (33 01 30)		
33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)		
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002 Lining Pipe With Rib Loc (33 01 30 71-0001)		
33 01 30 71-0003 LF Lining 6" Pipe With Rib Loc	49.32	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-2.43	
For >2,000 To 5,000, Deduct	-3.74	
For >5,000, Deduct	-5.58	
33 01 30 71-0004 LF Lining 8" Pipe With Rib Loc	54.88	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.69	
For >2,000 To 5,000, Deduct	-4.14	
For >5,000, Deduct	-6.19	
33 01 30 71-0005 LF Lining 10" Pipe With Rib Loc	76.33	
For >500 To 1,000, Deduct	-1.83	
For >1,000 To 2,000, Deduct	-3.59	
For >2,000 To 5,000, Deduct	-5.50	
For >5,000, Deduct	-8.40	
33 01 30 71-0006 LF Lining 12" Pipe With Rib Loc	97.37	
For >500 To 1,000, Deduct	-2.28	
For >1,000 To 2,000, Deduct	-4.48	
For >2,000 To 5,000, Deduct	-6.85	
For >5,000, Deduct	-10.58	
33 01 30 71-0007 LF Lining 15" Pipe With Rib Loc	129.87	
For >500 To 1,000, Deduct	-2.98	
For >1,000 To 2,000, Deduct	-5.87	
For >2,000 To 5,000, Deduct	-8.94	
For >5,000, Deduct	-13.95	
33 01 30 71-0008 LF Lining 18" Pipe With Rib Loc	167.77	
For >500 To 1,000, Deduct	-3.79	
For >1,000 To 2,000, Deduct	-7.47	
For >2,000 To 5,000, Deduct	-11.36	
For >5,000, Deduct	-17.86	
33 01 30 71-0009 LF Lining 21" Pipe With Rib Loc	210.97	
For >500 To 1,000, Deduct	-4.69	
For >1,000 To 2,000, Deduct	-9.26	
For >2,000 To 5,000, Deduct	-14.06	
For >5,000, Deduct	-22.27	
33 01 30 71-0010 LF Lining 24" Pipe With Rib Loc	261.34	
For >500 To 1,000, Deduct	-5.74	
For >1,000 To 2,000, Deduct	-11.35	
For >2,000 To 5,000, Deduct	-17.21	
For >5,000, Deduct	-27.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0011 LF Lining 27" Pipe With Rib Loc	313.27	
For >500 To 1,000, Deduct	-6.83	
For >1,000 To 2,000, Deduct	-13.51	
For >2,000 To 5,000, Deduct	-20.48	
For >5,000, Deduct	-32.73	
33 01 30 71-0012 LF Lining 30" Pipe With Rib Loc	371.82	
For >500 To 1,000, Deduct	-8.06	
For >1,000 To 2,000, Deduct	-15.97	
For >2,000 To 5,000, Deduct	-24.18	
For >5,000, Deduct	-38.74	
33 01 30 71-0013 LF Lining 36" Pipe With Rib Loc	474.51	
For >500 To 1,000, Deduct	-10.19	
For >1,000 To 2,000, Deduct	-20.21	
For >2,000 To 5,000, Deduct	-30.58	
For >5,000, Deduct	-49.21	
33 01 30 71-0014 LF Lining 42" Pipe With Rib Loc	591.21	
For >500 To 1,000, Deduct	-12.63	
For >1,000 To 2,000, Deduct	-25.05	
For >2,000 To 5,000, Deduct	-37.88	
For >5,000, Deduct	-61.13	
33 01 30 71-0015 LF Lining 48" Pipe With Rib Loc	723.84	
For >500 To 1,000, Deduct	-15.41	
For >1,000 To 2,000, Deduct	-30.59	
For >2,000 To 5,000, Deduct	-46.24	
For >5,000, Deduct	-74.73	
33 01 30 71-0016 LF Lining 54" Pipe With Rib Loc	855.90	
For >500 To 1,000, Deduct	-18.24	
For >1,000 To 2,000, Deduct	-36.20	
For >2,000 To 5,000, Deduct	-54.73	
For >5,000, Deduct	-88.40	
33 01 30 71-0017 LF Lining 60" Pipe With Rib Loc	1,009.64	
For >500 To 1,000, Deduct	-21.73	
For >1,000 To 2,000, Deduct	-43.07	
For >2,000 To 5,000, Deduct	-65.18	
For >5,000, Deduct	-104.80	
33 01 30 71-0018 LF Lining 66" Pipe With Rib Loc	1,198.08	
For >500 To 1,000, Deduct	-26.37	
For >1,000 To 2,000, Deduct	-52.14	
For >2,000 To 5,000, Deduct	-79.11	
For >5,000, Deduct	-125.83	
33 01 30 71-0019 LF Lining 72" Pipe With Rib Loc	1,445.14	
For >500 To 1,000, Deduct	-33.12	
For >1,000 To 2,000, Deduct	-65.18	
For >2,000 To 5,000, Deduct	-99.36	
For >5,000, Deduct	-155.05	
 33 01 30 71-0020 Lining Pipe, Spray Applied With Structural Polyurethane <small>(33 01 30 71-0001)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0021 Mobilization And Setup For Spray Applied Structural Polyurethane Lining <small>(33 01 30 71-0020)</small>		
33 01 30 71-0022 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,769.49	
 33 01 30 71-0023 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0024 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	58.11	
For Up To 75, Add	12.58	
For >75 To 150, Add	5.81	
For >500 To 1,000, Deduct	-1.54	
For >1,000 To 2,000, Deduct	-2.99	
For >2,000 To 5,000, Deduct	-4.63	
For >5,000, Deduct	-6.77	
33 01 30 71-0025 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	67.81	
For Up To 75, Add	14.68	
For >75 To 150, Add	6.78	
For >500 To 1,000, Deduct	-1.80	
For >1,000 To 2,000, Deduct	-3.49	
For >2,000 To 5,000, Deduct	-5.40	
For >5,000, Deduct	-7.89	
33 01 30 71-0026 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	77.50	
For Up To 75, Add	16.77	
For >75 To 150, Add	7.75	
For >500 To 1,000, Deduct	-2.06	
For >1,000 To 2,000, Deduct	-3.99	
For >2,000 To 5,000, Deduct	-6.18	
For >5,000, Deduct	-9.02	
33 01 30 71-0027 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	87.18	
For Up To 75, Add	18.87	
For >75 To 150, Add	8.72	
For >500 To 1,000, Deduct	-2.32	
For >1,000 To 2,000, Deduct	-4.49	
For >2,000 To 5,000, Deduct	-6.95	
For >5,000, Deduct	-10.15	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0028 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	96.87	
For Up To 75, Add	20.96	
For >75 To 150, Add	9.69	
For >500 To 1,000, Deduct	-2.57	
For >1,000 To 2,000, Deduct	-4.99	
For >2,000 To 5,000, Deduct	-7.72	
For >5,000, Deduct	-11.28	
33 01 30 71-0029 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	106.56	
For Up To 75, Add	23.06	
For >75 To 150, Add	10.66	
For >500 To 1,000, Deduct	-2.83	
For >1,000 To 2,000, Deduct	-5.49	
For >2,000 To 5,000, Deduct	-8.49	
For >5,000, Deduct	-12.41	
33 01 30 71-0030 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	116.25	
For Up To 75, Add	25.16	
For >75 To 150, Add	11.63	
For >500 To 1,000, Deduct	-3.09	
For >1,000 To 2,000, Deduct	-5.99	
For >2,000 To 5,000, Deduct	-9.27	
For >5,000, Deduct	-13.53	
33 01 30 71-0031 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	125.93	
For Up To 75, Add	27.25	
For >75 To 150, Add	12.59	
For >500 To 1,000, Deduct	-3.35	
For >1,000 To 2,000, Deduct	-6.48	
For >2,000 To 5,000, Deduct	-10.04	
For >5,000, Deduct	-14.66	
33 01 30 71-0032 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	135.62	
For Up To 75, Add	29.35	
For >75 To 150, Add	13.56	
For >500 To 1,000, Deduct	-3.60	
For >1,000 To 2,000, Deduct	-6.98	
For >2,000 To 5,000, Deduct	-10.81	
For >5,000, Deduct	-15.79	
33 01 30 71-0033 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	145.30	
For Up To 75, Add	31.45	
For >75 To 150, Add	14.53	
For >500 To 1,000, Deduct	-3.86	
For >1,000 To 2,000, Deduct	-7.48	
For >2,000 To 5,000, Deduct	-11.58	
For >5,000, Deduct	-16.92	
33 01 30 71-0034 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	154.99	
For Up To 75, Add	33.54	
For >75 To 150, Add	15.50	
For >500 To 1,000, Deduct	-4.12	
For >1,000 To 2,000, Deduct	-7.98	
For >2,000 To 5,000, Deduct	-12.35	
For >5,000, Deduct	-18.04	
33 01 30 71-0035 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	164.68	
For Up To 75, Add	35.64	
For >75 To 150, Add	16.47	
For >500 To 1,000, Deduct	-4.38	
For >1,000 To 2,000, Deduct	-8.48	
For >2,000 To 5,000, Deduct	-13.13	
For >5,000, Deduct	-19.17	
33 01 30 71-0036 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	174.36	
For Up To 75, Add	37.74	
For >75 To 150, Add	17.44	
For >500 To 1,000, Deduct	-4.63	
For >1,000 To 2,000, Deduct	-8.98	
For >2,000 To 5,000, Deduct	-13.90	
For >5,000, Deduct	-20.30	
33 01 30 71-0037 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	184.06	
For Up To 75, Add	39.83	
For >75 To 150, Add	18.41	
For >500 To 1,000, Deduct	-4.89	
For >1,000 To 2,000, Deduct	-9.48	
For >2,000 To 5,000, Deduct	-14.67	
For >5,000, Deduct	-21.43	
33 01 30 71-0038 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	193.74	
For Up To 75, Add	41.93	
For >75 To 150, Add	19.37	
For >500 To 1,000, Deduct	-5.15	
For >1,000 To 2,000, Deduct	-9.98	
For >2,000 To 5,000, Deduct	-15.44	
For >5,000, Deduct	-22.56	
33 01 30 71-0039 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.16	

33 01 30 71-0040 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane (33 01 30 71-0020)

Note: Two part structural polyurethane.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0041 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	78.69	
<i>For Up To 75, Add</i>	16.74	
<i>For >75 To 150, Add</i>	7.87	
<i>For >500 To 1,000, Deduct</i>	-1.98	
<i>For >1,000 To 2,000, Deduct</i>	-3.85	
<i>For >2,000 To 5,000, Deduct</i>	-5.93	
<i>For >5,000, Deduct</i>	-8.87	
33 01 30 71-0042 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	91.79	
<i>For Up To 75, Add</i>	19.53	
<i>For >75 To 150, Add</i>	9.18	
<i>For >500 To 1,000, Deduct</i>	-2.30	
<i>For >1,000 To 2,000, Deduct</i>	-4.49	
<i>For >2,000 To 5,000, Deduct</i>	-6.91	
<i>For >5,000, Deduct</i>	-10.35	
33 01 30 71-0043 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	104.91	
<i>For Up To 75, Add</i>	22.32	
<i>For >75 To 150, Add</i>	10.49	
<i>For >500 To 1,000, Deduct</i>	-2.63	
<i>For >1,000 To 2,000, Deduct</i>	-5.13	
<i>For >2,000 To 5,000, Deduct</i>	-7.90	
<i>For >5,000, Deduct</i>	-11.83	
33 01 30 71-0044 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	118.01	
<i>For Up To 75, Add</i>	25.11	
<i>For >75 To 150, Add</i>	11.80	
<i>For >500 To 1,000, Deduct</i>	-2.96	
<i>For >1,000 To 2,000, Deduct</i>	-5.77	
<i>For >2,000 To 5,000, Deduct</i>	-8.89	
<i>For >5,000, Deduct</i>	-13.31	
33 01 30 71-0045 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	131.14	
<i>For Up To 75, Add</i>	27.90	
<i>For >75 To 150, Add</i>	13.11	
<i>For >500 To 1,000, Deduct</i>	-3.29	
<i>For >1,000 To 2,000, Deduct</i>	-6.42	
<i>For >2,000 To 5,000, Deduct</i>	-9.88	
<i>For >5,000, Deduct</i>	-14.79	
33 01 30 71-0046 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	144.24	
<i>For Up To 75, Add</i>	30.69	
<i>For >75 To 150, Add</i>	14.42	
<i>For >500 To 1,000, Deduct</i>	-3.62	
<i>For >1,000 To 2,000, Deduct</i>	-7.06	
<i>For >2,000 To 5,000, Deduct</i>	-10.86	
<i>For >5,000, Deduct</i>	-16.27	
33 01 30 71-0047 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	157.36	
<i>For Up To 75, Add</i>	33.48	
<i>For >75 To 150, Add</i>	15.74	
<i>For >500 To 1,000, Deduct</i>	-3.95	
<i>For >1,000 To 2,000, Deduct</i>	-7.70	
<i>For >2,000 To 5,000, Deduct</i>	-11.85	
<i>For >5,000, Deduct</i>	-17.75	
33 01 30 71-0048 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	170.47	
<i>For Up To 75, Add</i>	36.27	
<i>For >75 To 150, Add</i>	17.05	
<i>For >500 To 1,000, Deduct</i>	-4.28	
<i>For >1,000 To 2,000, Deduct</i>	-8.34	
<i>For >2,000 To 5,000, Deduct</i>	-12.84	
<i>For >5,000, Deduct</i>	-19.22	
33 01 30 71-0049 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	183.59	
<i>For Up To 75, Add</i>	39.06	
<i>For >75 To 150, Add</i>	18.36	
<i>For >500 To 1,000, Deduct</i>	-4.61	
<i>For >1,000 To 2,000, Deduct</i>	-8.98	
<i>For >2,000 To 5,000, Deduct</i>	-13.83	
<i>For >5,000, Deduct</i>	-20.70	
33 01 30 71-0050 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	196.70	
<i>For Up To 75, Add</i>	41.85	
<i>For >75 To 150, Add</i>	19.67	
<i>For >500 To 1,000, Deduct</i>	-4.94	
<i>For >1,000 To 2,000, Deduct</i>	-9.63	
<i>For >2,000 To 5,000, Deduct</i>	-14.82	
<i>For >5,000, Deduct</i>	-22.18	
33 01 30 71-0051 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	209.82	
<i>For Up To 75, Add</i>	44.64	
<i>For >75 To 150, Add</i>	20.98	
<i>For >500 To 1,000, Deduct</i>	-5.27	
<i>For >1,000 To 2,000, Deduct</i>	-10.27	
<i>For >2,000 To 5,000, Deduct</i>	-15.80	
<i>For >5,000, Deduct</i>	-23.66	
33 01 30 71-0052 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	222.93	
<i>For Up To 75, Add</i>	47.43	
<i>For >75 To 150, Add</i>	22.29	
<i>For >500 To 1,000, Deduct</i>	-5.60	
<i>For >1,000 To 2,000, Deduct</i>	-10.91	
<i>For >2,000 To 5,000, Deduct</i>	-16.79	
<i>For >5,000, Deduct</i>	-25.14	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0053 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	236.05	
For Up To 75, Add	50.22	
For >75 To 150, Add	23.61	
For >500 To 1,000, Deduct	-5.93	
For >1,000 To 2,000, Deduct	-11.55	
For >2,000 To 5,000, Deduct	-17.78	
For >5,000, Deduct	-26.62	
33 01 30 71-0054 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	249.15	
For Up To 75, Add	53.01	
For >75 To 150, Add	24.92	
For >500 To 1,000, Deduct	-6.26	
For >1,000 To 2,000, Deduct	-12.19	
For >2,000 To 5,000, Deduct	-18.77	
For >5,000, Deduct	-28.10	
33 01 30 71-0055 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	262.28	
For Up To 75, Add	55.81	
For >75 To 150, Add	26.23	
For >500 To 1,000, Deduct	-6.59	
For >1,000 To 2,000, Deduct	-12.84	
For >2,000 To 5,000, Deduct	-19.76	
For >5,000, Deduct	-29.58	
33 01 30 71-0056 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.35	
33 01 30 71-0057 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane (33 01 30 71-0020)		
Note: Two part structural polyurethane.		
33 01 30 71-0058 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	99.21	
For Up To 75, Add	20.90	
For >75 To 150, Add	9.92	
For >500 To 1,000, Deduct	-2.41	
For >1,000 To 2,000, Deduct	-4.71	
For >2,000 To 5,000, Deduct	-7.22	
For >5,000, Deduct	-10.98	
33 01 30 71-0059 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	115.75	
For Up To 75, Add	24.38	
For >75 To 150, Add	11.58	
For >500 To 1,000, Deduct	-2.81	
For >1,000 To 2,000, Deduct	-5.49	
For >2,000 To 5,000, Deduct	-8.43	
For >5,000, Deduct	-12.81	
33 01 30 71-0060 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	132.28	
For Up To 75, Add	27.87	
For >75 To 150, Add	13.23	
For >500 To 1,000, Deduct	-3.21	
For >1,000 To 2,000, Deduct	-6.28	
For >2,000 To 5,000, Deduct	-9.63	
For >5,000, Deduct	-14.64	
33 01 30 71-0061 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	148.83	
For Up To 75, Add	31.35	
For >75 To 150, Add	14.88	
For >500 To 1,000, Deduct	-3.61	
For >1,000 To 2,000, Deduct	-7.06	
For >2,000 To 5,000, Deduct	-10.83	
For >5,000, Deduct	-16.47	
33 01 30 71-0062 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	165.37	
For Up To 75, Add	34.84	
For >75 To 150, Add	16.54	
For >500 To 1,000, Deduct	-4.01	
For >1,000 To 2,000, Deduct	-7.85	
For >2,000 To 5,000, Deduct	-12.04	
For >5,000, Deduct	-18.30	
33 01 30 71-0063 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	181.90	
For Up To 75, Add	38.32	
For >75 To 150, Add	18.19	
For >500 To 1,000, Deduct	-4.41	
For >1,000 To 2,000, Deduct	-8.63	
For >2,000 To 5,000, Deduct	-13.24	
For >5,000, Deduct	-20.13	
33 01 30 71-0064 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	198.44	
For Up To 75, Add	41.80	
For >75 To 150, Add	19.84	
For >500 To 1,000, Deduct	-4.81	
For >1,000 To 2,000, Deduct	-9.42	
For >2,000 To 5,000, Deduct	-14.44	
For >5,000, Deduct	-21.96	
33 01 30 71-0065 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	214.97	
For Up To 75, Add	45.29	
For >75 To 150, Add	21.50	
For >500 To 1,000, Deduct	-5.22	
For >1,000 To 2,000, Deduct	-10.20	
For >2,000 To 5,000, Deduct	-15.65	
For >5,000, Deduct	-23.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0066 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	231.52	
<i>For Up To 75, Add</i>	48.77	
<i>For >75 To 150, Add</i>	23.15	
<i>For >500 To 1,000, Deduct</i>	-5.62	
<i>For >1,000 To 2,000, Deduct</i>	-10.99	
<i>For >2,000 To 5,000, Deduct</i>	-16.85	
<i>For >5,000, Deduct</i>	-25.62	
33 01 30 71-0067 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	248.04	
<i>For Up To 75, Add</i>	52.25	
<i>For >75 To 150, Add</i>	24.80	
<i>For >500 To 1,000, Deduct</i>	-6.02	
<i>For >1,000 To 2,000, Deduct</i>	-11.77	
<i>For >2,000 To 5,000, Deduct</i>	-18.05	
<i>For >5,000, Deduct</i>	-27.45	
33 01 30 71-0068 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	264.58	
<i>For Up To 75, Add</i>	55.74	
<i>For >75 To 150, Add</i>	26.46	
<i>For >500 To 1,000, Deduct</i>	-6.42	
<i>For >1,000 To 2,000, Deduct</i>	-12.56	
<i>For >2,000 To 5,000, Deduct</i>	-19.26	
<i>For >5,000, Deduct</i>	-29.28	
33 01 30 71-0069 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	281.12	
<i>For Up To 75, Add</i>	59.22	
<i>For >75 To 150, Add</i>	28.11	
<i>For >500 To 1,000, Deduct</i>	-6.82	
<i>For >1,000 To 2,000, Deduct</i>	-13.34	
<i>For >2,000 To 5,000, Deduct</i>	-20.46	
<i>For >5,000, Deduct</i>	-31.11	
33 01 30 71-0070 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	297.65	
<i>For Up To 75, Add</i>	62.70	
<i>For >75 To 150, Add</i>	29.77	
<i>For >500 To 1,000, Deduct</i>	-7.22	
<i>For >1,000 To 2,000, Deduct</i>	-14.13	
<i>For >2,000 To 5,000, Deduct</i>	-21.67	
<i>For >5,000, Deduct</i>	-32.94	
33 01 30 71-0071 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	314.20	
<i>For Up To 75, Add</i>	66.19	
<i>For >75 To 150, Add</i>	31.42	
<i>For >500 To 1,000, Deduct</i>	-7.62	
<i>For >1,000 To 2,000, Deduct</i>	-14.91	
<i>For >2,000 To 5,000, Deduct</i>	-22.87	
<i>For >5,000, Deduct</i>	-34.77	
33 01 30 71-0072 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	330.73	
<i>For Up To 75, Add</i>	69.67	
<i>For >75 To 150, Add</i>	33.07	
<i>For >500 To 1,000, Deduct</i>	-8.02	
<i>For >1,000 To 2,000, Deduct</i>	-15.70	
<i>For >2,000 To 5,000, Deduct</i>	-24.07	
<i>For >5,000, Deduct</i>	-36.60	
33 01 30 71-0073 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane	10.53	
33 01 30 71-0074 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0075 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	119.85	
<i>For Up To 75, Add</i>	25.08	
<i>For >75 To 150, Add</i>	11.99	
<i>For >500 To 1,000, Deduct</i>	-2.84	
<i>For >1,000 To 2,000, Deduct</i>	-5.57	
<i>For >2,000 To 5,000, Deduct</i>	-8.53	
<i>For >5,000, Deduct</i>	-13.10	
33 01 30 71-0076 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	139.83	
<i>For Up To 75, Add</i>	29.27	
<i>For >75 To 150, Add</i>	13.98	
<i>For >500 To 1,000, Deduct</i>	-3.32	
<i>For >1,000 To 2,000, Deduct</i>	-6.50	
<i>For >2,000 To 5,000, Deduct</i>	-9.95	
<i>For >5,000, Deduct</i>	-15.28	
33 01 30 71-0077 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	159.80	
<i>For Up To 75, Add</i>	33.44	
<i>For >75 To 150, Add</i>	15.98	
<i>For >500 To 1,000, Deduct</i>	-3.79	
<i>For >1,000 To 2,000, Deduct</i>	-7.43	
<i>For >2,000 To 5,000, Deduct</i>	-11.37	
<i>For >5,000, Deduct</i>	-17.46	
33 01 30 71-0078 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	179.77	
<i>For Up To 75, Add</i>	37.62	
<i>For >75 To 150, Add</i>	17.98	
<i>For >500 To 1,000, Deduct</i>	-4.26	
<i>For >1,000 To 2,000, Deduct</i>	-8.36	
<i>For >2,000 To 5,000, Deduct</i>	-12.79	
<i>For >5,000, Deduct</i>	-19.65	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0079 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	199.74	
For Up To 75, Add	41.80	
For >75 To 150, Add	19.97	
For >500 To 1,000, Deduct	-4.74	
For >1,000 To 2,000, Deduct	-9.29	
For >2,000 To 5,000, Deduct	-14.21	
For >5,000, Deduct	-21.83	
33 01 30 71-0080 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	219.73	
For Up To 75, Add	45.99	
For >75 To 150, Add	21.97	
For >500 To 1,000, Deduct	-5.21	
For >1,000 To 2,000, Deduct	-10.22	
For >2,000 To 5,000, Deduct	-15.63	
For >5,000, Deduct	-24.01	
33 01 30 71-0081 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	239.70	
For Up To 75, Add	50.17	
For >75 To 150, Add	23.97	
For >500 To 1,000, Deduct	-5.68	
For >1,000 To 2,000, Deduct	-11.15	
For >2,000 To 5,000, Deduct	-17.05	
For >5,000, Deduct	-26.20	
33 01 30 71-0082 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	259.68	
For Up To 75, Add	54.35	
For >75 To 150, Add	25.97	
For >500 To 1,000, Deduct	-6.16	
For >1,000 To 2,000, Deduct	-12.08	
For >2,000 To 5,000, Deduct	-18.48	
For >5,000, Deduct	-28.38	
33 01 30 71-0083 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	279.64	
For Up To 75, Add	58.53	
For >75 To 150, Add	27.96	
For >500 To 1,000, Deduct	-6.63	
For >1,000 To 2,000, Deduct	-13.00	
For >2,000 To 5,000, Deduct	-19.89	
For >5,000, Deduct	-30.56	
33 01 30 71-0084 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	299.63	
For Up To 75, Add	62.71	
For >75 To 150, Add	29.96	
For >500 To 1,000, Deduct	-7.11	
For >1,000 To 2,000, Deduct	-13.93	
For >2,000 To 5,000, Deduct	-21.32	
For >5,000, Deduct	-32.75	
33 01 30 71-0085 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	319.59	
For Up To 75, Add	66.89	
For >75 To 150, Add	31.96	
For >500 To 1,000, Deduct	-7.58	
For >1,000 To 2,000, Deduct	-14.86	
For >2,000 To 5,000, Deduct	-22.74	
For >5,000, Deduct	-34.93	
33 01 30 71-0086 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	339.57	
For Up To 75, Add	71.07	
For >75 To 150, Add	33.96	
For >500 To 1,000, Deduct	-8.05	
For >1,000 To 2,000, Deduct	-15.79	
For >2,000 To 5,000, Deduct	-24.16	
For >5,000, Deduct	-37.11	
33 01 30 71-0087 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	359.55	
For Up To 75, Add	75.25	
For >75 To 150, Add	35.96	
For >500 To 1,000, Deduct	-8.53	
For >1,000 To 2,000, Deduct	-16.72	
For >2,000 To 5,000, Deduct	-25.58	
For >5,000, Deduct	-39.29	
33 01 30 71-0088 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	379.52	
For Up To 75, Add	79.43	
For >75 To 150, Add	37.95	
For >500 To 1,000, Deduct	-9.00	
For >1,000 To 2,000, Deduct	-17.65	
For >2,000 To 5,000, Deduct	-27.00	
For >5,000, Deduct	-41.48	
33 01 30 71-0089 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	399.50	
For Up To 75, Add	83.61	
For >75 To 150, Add	39.95	
For >500 To 1,000, Deduct	-9.47	
For >1,000 To 2,000, Deduct	-18.58	
For >2,000 To 5,000, Deduct	-28.42	
For >5,000, Deduct	-43.66	
33 01 30 71-0090 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane	12.71	

33 01 30 71-0091 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0020)

Note: Two part structural polyurethane.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0092 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	140.62	
<i>For Up To 75, Add</i>	29.30	
<i>For >75 To 150, Add</i>	14.06	
<i>For >500 To 1,000, Deduct</i>	-3.28	
<i>For >1,000 To 2,000, Deduct</i>	-6.45	
<i>For >2,000 To 5,000, Deduct</i>	-9.84	
<i>For >5,000, Deduct</i>	-15.23	
33 01 30 71-0093 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	164.05	
<i>For Up To 75, Add</i>	34.18	
<i>For >75 To 150, Add</i>	16.41	
<i>For >500 To 1,000, Deduct</i>	-3.83	
<i>For >1,000 To 2,000, Deduct</i>	-7.52	
<i>For >2,000 To 5,000, Deduct</i>	-11.48	
<i>For >5,000, Deduct</i>	-17.77	
33 01 30 71-0094 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	187.49	
<i>For Up To 75, Add</i>	39.06	
<i>For >75 To 150, Add</i>	18.75	
<i>For >500 To 1,000, Deduct</i>	-4.37	
<i>For >1,000 To 2,000, Deduct</i>	-8.59	
<i>For >2,000 To 5,000, Deduct</i>	-13.12	
<i>For >5,000, Deduct</i>	-20.31	
33 01 30 71-0095 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	210.92	
<i>For Up To 75, Add</i>	43.94	
<i>For >75 To 150, Add</i>	21.09	
<i>For >500 To 1,000, Deduct</i>	-4.92	
<i>For >1,000 To 2,000, Deduct</i>	-9.67	
<i>For >2,000 To 5,000, Deduct</i>	-14.76	
<i>For >5,000, Deduct</i>	-22.85	
33 01 30 71-0096 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	234.37	
<i>For Up To 75, Add</i>	48.83	
<i>For >75 To 150, Add</i>	23.44	
<i>For >500 To 1,000, Deduct</i>	-5.47	
<i>For >1,000 To 2,000, Deduct</i>	-10.74	
<i>For >2,000 To 5,000, Deduct</i>	-16.41	
<i>For >5,000, Deduct</i>	-25.39	
33 01 30 71-0097 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	257.79	
<i>For Up To 75, Add</i>	53.71	
<i>For >75 To 150, Add</i>	25.78	
<i>For >500 To 1,000, Deduct</i>	-6.02	
<i>For >1,000 To 2,000, Deduct</i>	-11.82	
<i>For >2,000 To 5,000, Deduct</i>	-18.05	
<i>For >5,000, Deduct</i>	-27.93	
33 01 30 71-0098 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	281.22	
<i>For Up To 75, Add</i>	58.59	
<i>For >75 To 150, Add</i>	28.12	
<i>For >500 To 1,000, Deduct</i>	-6.56	
<i>For >1,000 To 2,000, Deduct</i>	-12.89	
<i>For >2,000 To 5,000, Deduct</i>	-19.69	
<i>For >5,000, Deduct</i>	-30.47	
33 01 30 71-0099 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	304.66	
<i>For Up To 75, Add</i>	63.47	
<i>For >75 To 150, Add</i>	30.47	
<i>For >500 To 1,000, Deduct</i>	-7.11	
<i>For >1,000 To 2,000, Deduct</i>	-13.96	
<i>For >2,000 To 5,000, Deduct</i>	-21.33	
<i>For >5,000, Deduct</i>	-33.01	
33 01 30 71-0100 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	328.09	
<i>For Up To 75, Add</i>	68.35	
<i>For >75 To 150, Add</i>	32.81	
<i>For >500 To 1,000, Deduct</i>	-7.66	
<i>For >1,000 To 2,000, Deduct</i>	-15.04	
<i>For >2,000 To 5,000, Deduct</i>	-22.97	
<i>For >5,000, Deduct</i>	-35.54	
33 01 30 71-0101 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	351.53	
<i>For Up To 75, Add</i>	73.24	
<i>For >75 To 150, Add</i>	35.15	
<i>For >500 To 1,000, Deduct</i>	-8.20	
<i>For >1,000 To 2,000, Deduct</i>	-16.11	
<i>For >2,000 To 5,000, Deduct</i>	-24.61	
<i>For >5,000, Deduct</i>	-38.08	
33 01 30 71-0102 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	374.96	
<i>For Up To 75, Add</i>	78.12	
<i>For >75 To 150, Add</i>	37.50	
<i>For >500 To 1,000, Deduct</i>	-8.75	
<i>For >1,000 To 2,000, Deduct</i>	-17.19	
<i>For >2,000 To 5,000, Deduct</i>	-26.25	
<i>For >5,000, Deduct</i>	-40.62	
33 01 30 71-0103 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	398.40	
<i>For Up To 75, Add</i>	83.00	
<i>For >75 To 150, Add</i>	39.84	
<i>For >500 To 1,000, Deduct</i>	-9.30	
<i>For >1,000 To 2,000, Deduct</i>	-18.26	
<i>For >2,000 To 5,000, Deduct</i>	-27.89	
<i>For >5,000, Deduct</i>	-43.16	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0104 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	421.84	
For Up To 75, Add	87.88	
For >75 To 150, Add	42.18	
For >500 To 1,000, Deduct	-9.84	
For >1,000 To 2,000, Deduct	-19.33	
For >2,000 To 5,000, Deduct	-29.53	
For >5,000, Deduct	-45.70	
33 01 30 71-0105 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	445.27	
For Up To 75, Add	92.76	
For >75 To 150, Add	44.53	
For >500 To 1,000, Deduct	-10.39	
For >1,000 To 2,000, Deduct	-20.41	
For >2,000 To 5,000, Deduct	-31.17	
For >5,000, Deduct	-48.24	
33 01 30 71-0106 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	468.70	
For Up To 75, Add	97.65	
For >75 To 150, Add	46.87	
For >500 To 1,000, Deduct	-10.94	
For >1,000 To 2,000, Deduct	-21.48	
For >2,000 To 5,000, Deduct	-32.81	
For >5,000, Deduct	-50.78	
33 01 30 71-0107 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane	14.92	
33 01 30 71-0108 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane (33 01 30 71-0020)		
Note: Two part structural polyurethane.		
33 01 30 71-0109 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	182.17	
For Up To 75, Add	37.74	
For >75 To 150, Add	18.22	
For >500 To 1,000, Deduct	-4.16	
For >1,000 To 2,000, Deduct	-8.20	
For >2,000 To 5,000, Deduct	-12.49	
For >5,000, Deduct	-19.52	
33 01 30 71-0110 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	212.54	
For Up To 75, Add	44.03	
For >75 To 150, Add	21.25	
For >500 To 1,000, Deduct	-4.86	
For >1,000 To 2,000, Deduct	-9.56	
For >2,000 To 5,000, Deduct	-14.58	
For >5,000, Deduct	-22.77	
33 01 30 71-0111 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	242.90	
For Up To 75, Add	50.32	
For >75 To 150, Add	24.29	
For >500 To 1,000, Deduct	-5.55	
For >1,000 To 2,000, Deduct	-10.93	
For >2,000 To 5,000, Deduct	-16.66	
For >5,000, Deduct	-26.03	
33 01 30 71-0112 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	273.28	
For Up To 75, Add	56.61	
For >75 To 150, Add	27.33	
For >500 To 1,000, Deduct	-6.25	
For >1,000 To 2,000, Deduct	-12.30	
For >2,000 To 5,000, Deduct	-18.74	
For >5,000, Deduct	-29.28	
33 01 30 71-0113 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	303.63	
For Up To 75, Add	62.90	
For >75 To 150, Add	30.36	
For >500 To 1,000, Deduct	-6.94	
For >1,000 To 2,000, Deduct	-13.66	
For >2,000 To 5,000, Deduct	-20.82	
For >5,000, Deduct	-32.53	
33 01 30 71-0114 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	333.99	
For Up To 75, Add	69.19	
For >75 To 150, Add	33.40	
For >500 To 1,000, Deduct	-7.63	
For >1,000 To 2,000, Deduct	-15.03	
For >2,000 To 5,000, Deduct	-22.90	
For >5,000, Deduct	-35.79	
33 01 30 71-0115 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	364.36	
For Up To 75, Add	75.48	
For >75 To 150, Add	36.44	
For >500 To 1,000, Deduct	-8.33	
For >1,000 To 2,000, Deduct	-16.40	
For >2,000 To 5,000, Deduct	-24.99	
For >5,000, Deduct	-39.04	
33 01 30 71-0116 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	394.72	
For Up To 75, Add	81.77	
For >75 To 150, Add	39.47	
For >500 To 1,000, Deduct	-9.02	
For >1,000 To 2,000, Deduct	-17.76	
For >2,000 To 5,000, Deduct	-27.07	
For >5,000, Deduct	-42.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0117 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	425.07	
<i>For Up To 75, Add</i>	88.05	
<i>For >75 To 150, Add</i>	42.51	
<i>For >500 To 1,000, Deduct</i>	-9.72	
<i>For >1,000 To 2,000, Deduct</i>	-19.13	
<i>For >2,000 To 5,000, Deduct</i>	-29.15	
<i>For >5,000, Deduct</i>	-45.54	
33 01 30 71-0118 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	455.45	
<i>For Up To 75, Add</i>	94.35	
<i>For >75 To 150, Add</i>	45.55	
<i>For >500 To 1,000, Deduct</i>	-10.41	
<i>For >1,000 To 2,000, Deduct</i>	-20.50	
<i>For >2,000 To 5,000, Deduct</i>	-31.23	
<i>For >5,000, Deduct</i>	-48.80	
33 01 30 71-0119 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	485.80	
<i>For Up To 75, Add</i>	100.63	
<i>For >75 To 150, Add</i>	48.58	
<i>For >500 To 1,000, Deduct</i>	-11.10	
<i>For >1,000 To 2,000, Deduct</i>	-21.86	
<i>For >2,000 To 5,000, Deduct</i>	-33.31	
<i>For >5,000, Deduct</i>	-52.05	
33 01 30 71-0120 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	516.17	
<i>For Up To 75, Add</i>	106.92	
<i>For >75 To 150, Add</i>	51.62	
<i>For >500 To 1,000, Deduct</i>	-11.80	
<i>For >1,000 To 2,000, Deduct</i>	-23.23	
<i>For >2,000 To 5,000, Deduct</i>	-35.40	
<i>For >5,000, Deduct</i>	-55.31	
33 01 30 71-0121 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	546.53	
<i>For Up To 75, Add</i>	113.21	
<i>For >75 To 150, Add</i>	54.65	
<i>For >500 To 1,000, Deduct</i>	-12.49	
<i>For >1,000 To 2,000, Deduct</i>	-24.60	
<i>For >2,000 To 5,000, Deduct</i>	-37.48	
<i>For >5,000, Deduct</i>	-58.56	
33 01 30 71-0122 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	576.89	
<i>For Up To 75, Add</i>	119.50	
<i>For >75 To 150, Add</i>	57.69	
<i>For >500 To 1,000, Deduct</i>	-13.19	
<i>For >1,000 To 2,000, Deduct</i>	-25.96	
<i>For >2,000 To 5,000, Deduct</i>	-39.56	
<i>For >5,000, Deduct</i>	-61.81	
33 01 30 71-0123 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	607.26	
<i>For Up To 75, Add</i>	125.79	
<i>For >75 To 150, Add</i>	60.73	
<i>For >500 To 1,000, Deduct</i>	-13.88	
<i>For >1,000 To 2,000, Deduct</i>	-27.33	
<i>For >2,000 To 5,000, Deduct</i>	-41.64	
<i>For >5,000, Deduct</i>	-65.07	
33 01 30 71-0124 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane	19.33	
33 01 30 71-0125 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0126 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	224.10	
<i>For Up To 75, Add</i>	46.27	
<i>For >75 To 150, Add</i>	22.41	
<i>For >500 To 1,000, Deduct</i>	-5.06	
<i>For >1,000 To 2,000, Deduct</i>	-9.98	
<i>For >2,000 To 5,000, Deduct</i>	-15.18	
<i>For >5,000, Deduct</i>	-23.86	
33 01 30 71-0127 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	261.45	
<i>For Up To 75, Add</i>	53.98	
<i>For >75 To 150, Add</i>	26.15	
<i>For >500 To 1,000, Deduct</i>	-5.90	
<i>For >1,000 To 2,000, Deduct</i>	-11.64	
<i>For >2,000 To 5,000, Deduct</i>	-17.71	
<i>For >5,000, Deduct</i>	-27.83	
33 01 30 71-0128 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	298.80	
<i>For Up To 75, Add</i>	61.69	
<i>For >75 To 150, Add</i>	29.88	
<i>For >500 To 1,000, Deduct</i>	-6.75	
<i>For >1,000 To 2,000, Deduct</i>	-13.30	
<i>For >2,000 To 5,000, Deduct</i>	-20.24	
<i>For >5,000, Deduct</i>	-31.81	
33 01 30 71-0129 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	336.16	
<i>For Up To 75, Add</i>	69.40	
<i>For >75 To 150, Add</i>	33.62	
<i>For >500 To 1,000, Deduct</i>	-7.59	
<i>For >1,000 To 2,000, Deduct</i>	-14.97	
<i>For >2,000 To 5,000, Deduct</i>	-22.77	
<i>For >5,000, Deduct</i>	-35.79	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0130 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	373.51	
For Up To 75, Add	77.11	
For >75 To 150, Add	37.35	
For >500 To 1,000, Deduct	-8.43	
For >1,000 To 2,000, Deduct	-16.63	
For >2,000 To 5,000, Deduct	-25.30	
For >5,000, Deduct	-39.76	
33 01 30 71-0131 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	410.86	
For Up To 75, Add	84.82	
For >75 To 150, Add	41.09	
For >500 To 1,000, Deduct	-9.28	
For >1,000 To 2,000, Deduct	-18.29	
For >2,000 To 5,000, Deduct	-27.83	
For >5,000, Deduct	-43.74	
33 01 30 71-0132 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	448.21	
For Up To 75, Add	92.54	
For >75 To 150, Add	44.82	
For >500 To 1,000, Deduct	-10.12	
For >1,000 To 2,000, Deduct	-19.95	
For >2,000 To 5,000, Deduct	-30.36	
For >5,000, Deduct	-47.71	
33 01 30 71-0133 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	485.56	
For Up To 75, Add	100.25	
For >75 To 150, Add	48.56	
For >500 To 1,000, Deduct	-10.96	
For >1,000 To 2,000, Deduct	-21.62	
For >2,000 To 5,000, Deduct	-32.89	
For >5,000, Deduct	-51.69	
33 01 30 71-0134 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	522.90	
For Up To 75, Add	107.96	
For >75 To 150, Add	52.29	
For >500 To 1,000, Deduct	-11.81	
For >1,000 To 2,000, Deduct	-23.28	
For >2,000 To 5,000, Deduct	-35.42	
For >5,000, Deduct	-55.67	
33 01 30 71-0135 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	560.26	
For Up To 75, Add	115.67	
For >75 To 150, Add	56.03	
For >500 To 1,000, Deduct	-12.65	
For >1,000 To 2,000, Deduct	-24.94	
For >2,000 To 5,000, Deduct	-37.96	
For >5,000, Deduct	-59.64	
33 01 30 71-0136 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	597.61	
For Up To 75, Add	123.38	
For >75 To 150, Add	59.76	
For >500 To 1,000, Deduct	-13.50	
For >1,000 To 2,000, Deduct	-26.60	
For >2,000 To 5,000, Deduct	-40.49	
For >5,000, Deduct	-63.62	
33 01 30 71-0137 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	634.96	
For Up To 75, Add	131.09	
For >75 To 150, Add	63.50	
For >500 To 1,000, Deduct	-14.34	
For >1,000 To 2,000, Deduct	-28.27	
For >2,000 To 5,000, Deduct	-43.02	
For >5,000, Deduct	-67.59	
33 01 30 71-0138 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	672.32	
For Up To 75, Add	138.80	
For >75 To 150, Add	67.23	
For >500 To 1,000, Deduct	-15.18	
For >1,000 To 2,000, Deduct	-29.93	
For >2,000 To 5,000, Deduct	-45.55	
For >5,000, Deduct	-71.57	
33 01 30 71-0139 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	709.67	
For Up To 75, Add	146.52	
For >75 To 150, Add	70.97	
For >500 To 1,000, Deduct	-16.03	
For >1,000 To 2,000, Deduct	-31.59	
For >2,000 To 5,000, Deduct	-48.08	
For >5,000, Deduct	-75.55	
33 01 30 71-0140 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	747.01	
For Up To 75, Add	154.22	
For >75 To 150, Add	74.70	
For >500 To 1,000, Deduct	-16.87	
For >1,000 To 2,000, Deduct	-33.26	
For >2,000 To 5,000, Deduct	-50.61	
For >5,000, Deduct	-79.52	
33 01 30 71-0141 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane	23.78	

33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,686.52	
33 01 30 72-0004 EA Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,810.86	
33 01 30 72-0005 EA Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,216.29	
33 01 30 72-0006 EA Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,621.72	
33 01 30 72-0007 EA Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	843.25	
33 01 30 72-0008 EA Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,405.43	
33 01 30 72-0009 EA Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,756.78	
33 01 30 72-0010 EA Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,248.68	
33 01 30 72-0011 EA Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	1,405.43	
33 01 30 72-0012 EA Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	3,373.02	
33 01 30 72-0013 EA Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	5,621.72	
33 01 30 72-0014 EA Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	8,432.57	
33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) <small>(33 01 30 72-0001)</small> Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0017 LF 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	23.87	
For Vinyl Ester Resin, Add	6.38	
For Epoxy Resin, Add	0.75	
For Up To >10, Add	48.84	
For >10 To 25, Add	39.18	
For >25 To 50, Add	23.96	
For >50 To 100, Add	11.98	
For >500 To 1,000, Deduct	-1.56	
For >1,000 To 2,000, Deduct	-2.53	
For >2,000 To 5,000, Deduct	-4.78	
For >5,000, Deduct	-7.73	
33 01 30 72-0018 LF 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	28.86	
For Vinyl Ester Resin, Add	9.87	
For Epoxy Resin, Add	1.16	
For Up To >10, Add	51.33	
For >10 To 25, Add	40.43	
For >25 To 50, Add	24.96	
For >50 To 100, Add	12.48	
For >500 To 1,000, Deduct	-1.81	
For >1,000 To 2,000, Deduct	-2.90	
For >2,000 To 5,000, Deduct	-5.38	
For >5,000, Deduct	-8.72	
33 01 30 72-0019 LF 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	33.86	
For Vinyl Ester Resin, Add	13.37	
For Epoxy Resin, Add	1.58	
For Up To >10, Add	53.83	
For >10 To 25, Add	41.68	
For >25 To 50, Add	25.96	
For >50 To 100, Add	12.98	
For >500 To 1,000, Deduct	-2.06	
For >1,000 To 2,000, Deduct	-3.28	
For >2,000 To 5,000, Deduct	-5.98	
For >5,000, Deduct	-9.72	
33 01 30 72-0020 LF 4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	45.25	
For Vinyl Ester Resin, Add	20.36	
For Epoxy Resin, Add	2.40	
For Up To >10, Add	63.03	
For >10 To 25, Add	47.67	
For >25 To 50, Add	30.06	
For >50 To 100, Add	15.03	
For >500 To 1,000, Deduct	-2.67	
For >1,000 To 2,000, Deduct	-4.20	
For >2,000 To 5,000, Deduct	-7.53	
For >5,000, Deduct	-12.28	
33 01 30 72-0021 LF 4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	56.64	
For Vinyl Ester Resin, Add	27.36	
For Epoxy Resin, Add	3.22	
For Up To >10, Add	72.22	
For >10 To 25, Add	53.67	
For >25 To 50, Add	34.16	
For >50 To 100, Add	17.08	
For >500 To 1,000, Deduct	-3.27	
For >1,000 To 2,000, Deduct	-5.13	
For >2,000 To 5,000, Deduct	-9.08	
For >5,000, Deduct	-14.84	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0023 LF 6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	33.17	
For Vinlyester Resin, Add	12.89	
For Epoxy Resin, Add	1.52	
For Up To >10, Add	53.49	
For >10 To 25, Add	41.50	
For >25 To 50, Add	25.82	
For >50 To 100, Add	12.91	
For >500 To 1,000, Deduct	-2.03	
For >1,000 To 2,000, Deduct	-3.23	
For >2,000 To 5,000, Deduct	-5.90	
For >5,000, Deduct	-9.59	
33 01 30 72-0024 LF 6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	39.83	
For Vinlyester Resin, Add	17.55	
For Epoxy Resin, Add	2.07	
For Up To >10, Add	56.82	
For >10 To 25, Add	43.17	
For >25 To 50, Add	27.15	
For >50 To 100, Add	13.58	
For >500 To 1,000, Deduct	-2.36	
For >1,000 To 2,000, Deduct	-3.73	
For >2,000 To 5,000, Deduct	-6.70	
For >5,000, Deduct	-10.92	
33 01 30 72-0025 LF 6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	54.55	
For Vinlyester Resin, Add	26.87	
For Epoxy Resin, Add	3.17	
For Up To >10, Add	67.68	
For >10 To 25, Add	50.00	
For >25 To 50, Add	31.92	
For >50 To 100, Add	15.96	
For >500 To 1,000, Deduct	-3.13	
For >1,000 To 2,000, Deduct	-4.90	
For >2,000 To 5,000, Deduct	-8.65	
For >5,000, Deduct	-14.14	
33 01 30 72-0026 LF 6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	69.28	
For Vinlyester Resin, Add	36.20	
For Epoxy Resin, Add	4.27	
For Up To >10, Add	78.54	
For >10 To 25, Add	56.83	
For >25 To 50, Add	36.68	
For >50 To 100, Add	18.34	
For >500 To 1,000, Deduct	-3.90	
For >1,000 To 2,000, Deduct	-6.07	
For >2,000 To 5,000, Deduct	-10.60	
For >5,000, Deduct	-17.37	
33 01 30 72-0027 LF 6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	84.16	
For Vinlyester Resin, Add	45.53	
For Epoxy Resin, Add	5.37	
For Up To >10, Add	89.88	
For >10 To 25, Add	64.06	
For >25 To 50, Add	41.69	
For >50 To 100, Add	20.84	
For >500 To 1,000, Deduct	-4.69	
For >1,000 To 2,000, Deduct	-7.27	
For >2,000 To 5,000, Deduct	-12.58	
For >5,000, Deduct	-20.66	
33 01 30 72-0028 LF 6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	99.45	
For Vinlyester Resin, Add	54.85	
For Epoxy Resin, Add	6.46	
For Up To >10, Add	102.45	
For >10 To 25, Add	72.32	
For >25 To 50, Add	47.31	
For >50 To 100, Add	23.65	
For >500 To 1,000, Deduct	-5.50	
For >1,000 To 2,000, Deduct	-8.51	
For >2,000 To 5,000, Deduct	-14.68	
For >5,000, Deduct	-24.11	
33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0030 LF 7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	45.61	
For Vinlyester Resin, Add	21.60	
For Epoxy Resin, Add	2.55	
For Up To >10, Add	59.71	
For >10 To 25, Add	44.61	
For >25 To 50, Add	28.31	
For >50 To 100, Add	14.16	
For >500 To 1,000, Deduct	-2.65	
For >1,000 To 2,000, Deduct	-4.16	
For >2,000 To 5,000, Deduct	-7.39	
For >5,000, Deduct	-12.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0031 LF 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	63.66	
For Vinylster Resin, Add	33.25	
For Epoxy Resin, Add	3.92	
For Up To >10, Add	72.23	
For >10 To 25, Add	52.28	
For >25 To 50, Add	33.74	
For >50 To 100, Add	16.87	
For >500 To 1,000, Deduct	-3.59	
For >1,000 To 2,000, Deduct	-5.58	
For >2,000 To 5,000, Deduct	-9.74	
For >5,000, Deduct	-15.96	
33 01 30 72-0032 LF 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	81.71	
For Vinylster Resin, Add	44.91	
For Epoxy Resin, Add	5.29	
For Up To >10, Add	84.76	
For >10 To 25, Add	59.94	
For >25 To 50, Add	39.17	
For >50 To 100, Add	19.59	
For >500 To 1,000, Deduct	-4.52	
For >1,000 To 2,000, Deduct	-7.01	
For >2,000 To 5,000, Deduct	-12.09	
For >5,000, Deduct	-19.85	
33 01 30 72-0033 LF 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	99.92	
For Vinylster Resin, Add	56.56	
For Epoxy Resin, Add	6.67	
For Up To >10, Add	97.76	
For >10 To 25, Add	68.00	
For >25 To 50, Add	44.84	
For >50 To 100, Add	22.42	
For >500 To 1,000, Deduct	-5.47	
For >1,000 To 2,000, Deduct	-8.45	
For >2,000 To 5,000, Deduct	-14.48	
For >5,000, Deduct	-23.81	
33 01 30 72-0034 LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	118.54	
For Vinylster Resin, Add	68.22	
For Epoxy Resin, Add	8.04	
For Up To >10, Add	112.00	
For >10 To 25, Add	77.09	
For >25 To 50, Add	51.13	
For >50 To 100, Add	25.56	
For >500 To 1,000, Deduct	-6.45	
For >1,000 To 2,000, Deduct	-9.95	
For >2,000 To 5,000, Deduct	-16.97	
For >5,000, Deduct	-27.93	
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	146.33	
For Vinylster Resin, Add	85.71	
For Epoxy Resin, Add	10.10	
For Up To >10, Add	132.89	
For >10 To 25, Add	90.34	
For >25 To 50, Add	60.32	
For >50 To 100, Add	30.16	
For >500 To 1,000, Deduct	-7.91	
For >1,000 To 2,000, Deduct	-12.17	
For >2,000 To 5,000, Deduct	-20.67	
For >5,000, Deduct	-34.04	
33 01 30 72-0036 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	174.40	
For Vinylster Resin, Add	103.19	
For Epoxy Resin, Add	12.16	
For Up To >10, Add	154.68	
For >10 To 25, Add	104.33	
For >25 To 50, Add	69.97	
For >50 To 100, Add	34.98	
For >500 To 1,000, Deduct	-9.39	
For >1,000 To 2,000, Deduct	-14.43	
For >2,000 To 5,000, Deduct	-24.44	
For >5,000, Deduct	-40.28	
33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0038 LF 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	72.57	
For Vinylster Resin, Add	39.49	
For Epoxy Resin, Add	4.65	
For Up To >10, Add	76.69	
For >10 To 25, Add	54.50	
For >25 To 50, Add	35.52	
For >50 To 100, Add	17.76	
For >500 To 1,000, Deduct	-4.03	
For >1,000 To 2,000, Deduct	-6.25	
For >2,000 To 5,000, Deduct	-10.81	
For >5,000, Deduct	-17.75	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039 LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	93.95	
For Vinlyester Resin, Add	53.47	
For Epoxy Resin, Add	6.30	
For Up To >10, Add	90.88	
For >10 To 25, Add	63.00	
For >25 To 50, Add	41.62	
For >50 To 100, Add	20.81	
For >500 To 1,000, Deduct	-5.14	
For >1,000 To 2,000, Deduct	-7.92	
For >2,000 To 5,000, Deduct	-13.56	
For >5,000, Deduct	-22.30	
33 01 30 72-0040 LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	115.50	
For Vinlyester Resin, Add	67.47	
For Epoxy Resin, Add	7.95	
For Up To >10, Add	105.55	
For >10 To 25, Add	71.90	
For >25 To 50, Add	47.96	
For >50 To 100, Add	23.98	
For >500 To 1,000, Deduct	-6.25	
For >1,000 To 2,000, Deduct	-9.62	
For >2,000 To 5,000, Deduct	-16.35	
For >5,000, Deduct	-26.92	
33 01 30 72-0041 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	137.45	
For Vinlyester Resin, Add	81.45	
For Epoxy Resin, Add	9.60	
For Up To >10, Add	121.45	
For >10 To 25, Add	81.82	
For >25 To 50, Add	54.91	
For >50 To 100, Add	27.45	
For >500 To 1,000, Deduct	-7.40	
For >1,000 To 2,000, Deduct	-11.36	
For >2,000 To 5,000, Deduct	-19.24	
For >5,000, Deduct	-31.71	
33 01 30 72-0042 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	170.22	
For Vinlyester Resin, Add	102.43	
For Epoxy Resin, Add	12.07	
For Up To >10, Add	144.84	
For >10 To 25, Add	96.31	
For >25 To 50, Add	65.10	
For >50 To 100, Add	32.55	
For >500 To 1,000, Deduct	-9.11	
For >1,000 To 2,000, Deduct	-13.96	
For >2,000 To 5,000, Deduct	-23.53	
For >5,000, Deduct	-38.82	
33 01 30 72-0043 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	203.30	
For Vinlyester Resin, Add	123.42	
For Epoxy Resin, Add	14.55	
For Up To >10, Add	169.13	
For >10 To 25, Add	111.55	
For >25 To 50, Add	75.75	
For >50 To 100, Add	37.87	
For >500 To 1,000, Deduct	-10.84	
For >1,000 To 2,000, Deduct	-16.60	
For >2,000 To 5,000, Deduct	-27.90	
For >5,000, Deduct	-46.06	
33 01 30 72-0044 LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	235.51	
For Vinlyester Resin, Add	144.40	
For Epoxy Resin, Add	17.02	
For Up To >10, Add	190.83	
For >10 To 25, Add	124.65	
For >25 To 50, Add	85.10	
For >50 To 100, Add	42.55	
For >500 To 1,000, Deduct	-12.51	
For >1,000 To 2,000, Deduct	-19.12	
For >2,000 To 5,000, Deduct	-32.06	
For >5,000, Deduct	-52.95	
33 01 30 72-0045 LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	268.16	
For Vinlyester Resin, Add	165.38	
For Epoxy Resin, Add	19.49	
For Up To >10, Add	213.83	
For >10 To 25, Add	138.82	
For >25 To 50, Add	95.10	
For >50 To 100, Add	47.55	
For >500 To 1,000, Deduct	-14.21	
For >1,000 To 2,000, Deduct	-21.71	
For >2,000 To 5,000, Deduct	-36.33	
For >5,000, Deduct	-60.01	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0047 LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	193.92	
For Vinylster Resin, Add	119.02	
For Epoxy Resin, Add	14.03	
For Up To >10, Add	156.69	
For >10 To 25, Add	102.23	
For >25 To 50, Add	69.84	
For >50 To 100, Add	34.92	
For >500 To 1,000, Deduct	-10.29	
For >1,000 To 2,000, Deduct	-15.74	
For >2,000 To 5,000, Deduct	-26.38	
For >5,000, Deduct	-43.56	
33 01 30 72-0048 LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	231.99	
For Vinylster Resin, Add	143.50	
For Epoxy Resin, Add	16.91	
For Up To >10, Add	183.47	
For >10 To 25, Add	118.73	
For >25 To 50, Add	81.49	
For >50 To 100, Add	40.74	
For >500 To 1,000, Deduct	-12.27	
For >1,000 To 2,000, Deduct	-18.75	
For >2,000 To 5,000, Deduct	-31.35	
For >5,000, Deduct	-51.80	
33 01 30 72-0049 LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	269.20	
For Vinylster Resin, Add	167.98	
For Epoxy Resin, Add	19.80	
For Up To >10, Add	207.68	
For >10 To 25, Add	133.07	
For >25 To 50, Add	91.84	
For >50 To 100, Add	45.92	
For >500 To 1,000, Deduct	-14.19	
For >1,000 To 2,000, Deduct	-21.65	
For >2,000 To 5,000, Deduct	-36.10	
For >5,000, Deduct	-59.69	
33 01 30 72-0050 LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	306.84	
For Vinylster Resin, Add	192.46	
For Epoxy Resin, Add	22.68	
For Up To >10, Add	233.17	
For >10 To 25, Add	148.49	
For >25 To 50, Add	102.84	
For >50 To 100, Add	51.42	
For >500 To 1,000, Deduct	-16.14	
For >1,000 To 2,000, Deduct	-24.61	
For >2,000 To 5,000, Deduct	-40.97	
For >5,000, Deduct	-67.75	
33 01 30 72-0051 LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	345.05	
For Vinylster Resin, Add	216.94	
For Epoxy Resin, Add	25.57	
For Up To >10, Add	260.38	
For >10 To 25, Add	165.33	
For >25 To 50, Add	114.69	
For >50 To 100, Add	57.35	
For >500 To 1,000, Deduct	-18.13	
For >1,000 To 2,000, Deduct	-27.64	
For >2,000 To 5,000, Deduct	-45.97	
For >5,000, Deduct	-76.04	
33 01 30 72-0052 LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	383.96	
For Vinylster Resin, Add	241.42	
For Epoxy Resin, Add	28.45	
For Up To >10, Add	289.66	
For >10 To 25, Add	183.90	
For >25 To 50, Add	127.58	
For >50 To 100, Add	63.79	
For >500 To 1,000, Deduct	-20.17	
For >1,000 To 2,000, Deduct	-30.75	
For >2,000 To 5,000, Deduct	-51.15	
For >5,000, Deduct	-84.61	
33 01 30 72-0053 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	458.81	
For Vinylster Resin, Add	290.37	
For Epoxy Resin, Add	34.22	
For Up To >10, Add	339.38	
For >10 To 25, Add	213.68	
For >25 To 50, Add	148.95	
For >50 To 100, Add	74.47	
For >500 To 1,000, Deduct	-24.04	
For >1,000 To 2,000, Deduct	-36.61	
For >2,000 To 5,000, Deduct	-60.78	
For >5,000, Deduct	-100.56	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	217.42	
For Vinlyester Resin, Add	135.47	
For Epoxy Resin, Add	15.97	
For Up To >10, Add	168.44	
For >10 To 25, Add	108.11	
For >25 To 50, Add	74.54	
For >50 To 100, Add	37.27	
For >500 To 1,000, Deduct	-11.47	
For >1,000 To 2,000, Deduct	-17.50	
For >2,000 To 5,000, Deduct	-29.20	
For >5,000, Deduct	-48.26	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	260.49	
For Vinlyester Resin, Add	163.45	
For Epoxy Resin, Add	19.26	
For Up To >10, Add	197.72	
For >10 To 25, Add	125.85	
For >25 To 50, Add	87.19	
For >50 To 100, Add	43.59	
For >500 To 1,000, Deduct	-13.70	
For >1,000 To 2,000, Deduct	-20.89	
For >2,000 To 5,000, Deduct	-34.77	
For >5,000, Deduct	-57.50	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	302.70	
For Vinlyester Resin, Add	191.43	
For Epoxy Resin, Add	22.56	
For Up To >10, Add	224.43	
For >10 To 25, Add	141.44	
For >25 To 50, Add	98.54	
For >50 To 100, Add	49.27	
For >500 To 1,000, Deduct	-15.87	
For >1,000 To 2,000, Deduct	-24.16	
For >2,000 To 5,000, Deduct	-40.12	
For >5,000, Deduct	-66.39	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	345.33	
For Vinlyester Resin, Add	219.40	
For Epoxy Resin, Add	25.86	
For Up To >10, Add	252.42	
For >10 To 25, Add	158.11	
For >25 To 50, Add	110.54	
For >50 To 100, Add	55.27	
For >500 To 1,000, Deduct	-18.06	
For >1,000 To 2,000, Deduct	-27.49	
For >2,000 To 5,000, Deduct	-45.59	
For >5,000, Deduct	-75.45	
33 01 30 72-0059 LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	388.54	
For Vinlyester Resin, Add	247.38	
For Epoxy Resin, Add	29.16	
For Up To >10, Add	282.12	
For >10 To 25, Add	176.20	
For >25 To 50, Add	123.39	
For >50 To 100, Add	61.70	
For >500 To 1,000, Deduct	-20.31	
For >1,000 To 2,000, Deduct	-30.90	
For >2,000 To 5,000, Deduct	-51.19	
For >5,000, Deduct	-84.74	
33 01 30 72-0060 LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	432.43	
For Vinlyester Resin, Add	275.35	
For Epoxy Resin, Add	32.45	
For Up To >10, Add	313.89	
For >10 To 25, Add	196.02	
For >25 To 50, Add	137.28	
For >50 To 100, Add	68.64	
For >500 To 1,000, Deduct	-22.60	
For >1,000 To 2,000, Deduct	-34.39	
For >2,000 To 5,000, Deduct	-56.97	
For >5,000, Deduct	-94.30	
33 01 30 72-0061 LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	517.29	
For Vinlyester Resin, Add	331.31	
For Epoxy Resin, Add	39.05	
For Up To >10, Add	368.62	
For >10 To 25, Add	228.30	
For >25 To 50, Add	160.65	
For >50 To 100, Add	80.32	
For >500 To 1,000, Deduct	-26.96	
For >1,000 To 2,000, Deduct	-41.00	
For >2,000 To 5,000, Deduct	-67.79	
For >5,000, Deduct	-112.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0062 LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	603.41	
For Vinylster Resin, Add	387.26	
For Epoxy Resin, Add	45.64	
For Up To >10, Add	427.16	
For >10 To 25, Add	263.76	
For >25 To 50, Add	185.92	
For >50 To 100, Add	92.96	
For >500 To 1,000, Deduct	-31.43	
For >1,000 To 2,000, Deduct	-47.76	
For >2,000 To 5,000, Deduct	-78.93	
For >5,000, Deduct	-130.72	
33 01 30 72-0063 LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	691.76	
For Vinylster Resin, Add	443.21	
For Epoxy Resin, Add	52.24	
For Up To >10, Add	492.38	
For >10 To 25, Add	304.79	
For >25 To 50, Add	214.53	
For >50 To 100, Add	107.27	
For >500 To 1,000, Deduct	-36.05	
For >1,000 To 2,000, Deduct	-54.81	
For >2,000 To 5,000, Deduct	-90.63	
For >5,000, Deduct	-150.07	
33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0065 LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	240.73	
For Vinylster Resin, Add	151.79	
For Epoxy Resin, Add	17.89	
For Up To >10, Add	180.09	
For >10 To 25, Add	113.94	
For >25 To 50, Add	79.20	
For >50 To 100, Add	39.60	
For >500 To 1,000, Deduct	-12.63	
For >1,000 To 2,000, Deduct	-19.25	
For >2,000 To 5,000, Deduct	-31.99	
For >5,000, Deduct	-52.92	
33 01 30 72-0066 LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	288.80	
For Vinylster Resin, Add	183.27	
For Epoxy Resin, Add	21.60	
For Up To >10, Add	211.88	
For >10 To 25, Add	132.93	
For >25 To 50, Add	92.85	
For >50 To 100, Add	46.42	
For >500 To 1,000, Deduct	-15.11	
For >1,000 To 2,000, Deduct	-23.01	
For >2,000 To 5,000, Deduct	-38.16	
For >5,000, Deduct	-63.16	
33 01 30 72-0067 LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	336.00	
For Vinylster Resin, Add	214.74	
For Epoxy Resin, Add	25.31	
For Up To >10, Add	241.08	
For >10 To 25, Add	149.77	
For >25 To 50, Add	105.20	
For >50 To 100, Add	52.60	
For >500 To 1,000, Deduct	-17.53	
For >1,000 To 2,000, Deduct	-26.66	
For >2,000 To 5,000, Deduct	-44.12	
For >5,000, Deduct	-73.05	
33 01 30 72-0068 LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	383.63	
For Vinylster Resin, Add	246.21	
For Epoxy Resin, Add	29.02	
For Up To >10, Add	271.57	
For >10 To 25, Add	167.68	
For >25 To 50, Add	118.20	
For >50 To 100, Add	59.10	
For >500 To 1,000, Deduct	-19.98	
For >1,000 To 2,000, Deduct	-30.37	
For >2,000 To 5,000, Deduct	-50.18	
For >5,000, Deduct	-83.11	
33 01 30 72-0069 LF 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	431.83	
For Vinylster Resin, Add	277.68	
For Epoxy Resin, Add	32.73	
For Up To >10, Add	303.77	
For >10 To 25, Add	187.02	
For >25 To 50, Add	132.05	
For >50 To 100, Add	66.02	
For >500 To 1,000, Deduct	-22.47	
For >1,000 To 2,000, Deduct	-34.14	
For >2,000 To 5,000, Deduct	-56.39	
For >5,000, Deduct	-93.39	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0070 LF 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	480.72	
For Vinlyester Resin, Add	309.16	
For Epoxy Resin, Add	36.44	
For Up To >10, Add	338.04	
For >10 To 25, Add	208.09	
For >25 To 50, Add	146.94	
For >50 To 100, Add	73.47	
For >500 To 1,000, Deduct	-25.01	
For >1,000 To 2,000, Deduct	-38.01	
For >2,000 To 5,000, Deduct	-62.77	
For >5,000, Deduct	-103.96	
33 01 30 72-0071 LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	575.56	
For Vinlyester Resin, Add	372.10	
For Epoxy Resin, Add	43.85	
For Up To >10, Add	397.76	
For >10 To 25, Add	242.87	
For >25 To 50, Add	172.30	
For >50 To 100, Add	86.15	
For >500 To 1,000, Deduct	-29.88	
For >1,000 To 2,000, Deduct	-45.37	
For >2,000 To 5,000, Deduct	-74.79	
For >5,000, Deduct	-123.91	
33 01 30 72-0072 LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	671.68	
For Vinlyester Resin, Add	435.05	
For Epoxy Resin, Add	51.27	
For Up To >10, Add	461.29	
For >10 To 25, Add	280.83	
For >25 To 50, Add	199.57	
For >50 To 100, Add	99.79	
For >500 To 1,000, Deduct	-34.84	
For >1,000 To 2,000, Deduct	-52.89	
For >2,000 To 5,000, Deduct	-87.13	
For >5,000, Deduct	-144.37	
33 01 30 72-0073 LF 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	770.02	
For Vinlyester Resin, Add	497.99	
For Epoxy Resin, Add	58.69	
For Up To >10, Add	531.51	
For >10 To 25, Add	324.36	
For >25 To 50, Add	230.18	
For >50 To 100, Add	115.09	
For >500 To 1,000, Deduct	-39.97	
For >1,000 To 2,000, Deduct	-60.68	
For >2,000 To 5,000, Deduct	-100.02	
For >5,000, Deduct	-165.72	
33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0075 LF 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	263.84	
For Vinlyester Resin, Add	167.97	
For Epoxy Resin, Add	19.80	
For Up To >10, Add	191.65	
For >10 To 25, Add	119.71	
For >25 To 50, Add	83.83	
For >50 To 100, Add	41.91	
For >500 To 1,000, Deduct	-13.79	
For >1,000 To 2,000, Deduct	-20.98	
For >2,000 To 5,000, Deduct	-34.77	
For >5,000, Deduct	-57.55	
33 01 30 72-0076 LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	316.90	
For Vinlyester Resin, Add	202.94	
For Epoxy Resin, Add	23.92	
For Up To >10, Add	225.93	
For >10 To 25, Add	139.95	
For >25 To 50, Add	98.47	
For >50 To 100, Add	49.23	
For >500 To 1,000, Deduct	-16.52	
For >1,000 To 2,000, Deduct	-25.12	
For >2,000 To 5,000, Deduct	-41.54	
For >5,000, Deduct	-68.78	
33 01 30 72-0077 LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	369.10	
For Vinlyester Resin, Add	237.91	
For Epoxy Resin, Add	28.04	
For Up To >10, Add	257.63	
For >10 To 25, Add	158.04	
For >25 To 50, Add	111.82	
For >50 To 100, Add	55.91	
For >500 To 1,000, Deduct	-19.19	
For >1,000 To 2,000, Deduct	-29.14	
For >2,000 To 5,000, Deduct	-48.09	
For >5,000, Deduct	-79.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0078 LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	421.72	
For Vinyl ester Resin, Add	272.87	
For Epoxy Resin, Add	32.16	
For Up To >10, Add	290.61	
For >10 To 25, Add	177.21	
For >25 To 50, Add	125.81	
For >50 To 100, Add	62.91	
For >500 To 1,000, Deduct	-21.88	
For >1,000 To 2,000, Deduct	-33.22	
For >2,000 To 5,000, Deduct	-54.75	
For >5,000, Deduct	-90.72	
33 01 30 72-0079 LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	474.92	
For Vinyl ester Resin, Add	307.85	
For Epoxy Resin, Add	36.28	
For Up To >10, Add	325.31	
For >10 To 25, Add	197.80	
For >25 To 50, Add	140.67	
For >50 To 100, Add	70.33	
For >500 To 1,000, Deduct	-24.62	
For >1,000 To 2,000, Deduct	-37.38	
For >2,000 To 5,000, Deduct	-61.56	
For >5,000, Deduct	-102.01	
33 01 30 72-0080 LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	528.81	
For Vinyl ester Resin, Add	342.82	
For Epoxy Resin, Add	40.40	
For Up To >10, Add	362.08	
For >10 To 25, Add	220.11	
For >25 To 50, Add	156.55	
For >50 To 100, Add	78.28	
For >500 To 1,000, Deduct	-27.42	
For >1,000 To 2,000, Deduct	-41.61	
For >2,000 To 5,000, Deduct	-68.54	
For >5,000, Deduct	-113.58	
33 01 30 72-0081 LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	633.64	
For Vinyl ester Resin, Add	412.76	
For Epoxy Resin, Add	48.65	
For Up To >10, Add	426.80	
For >10 To 25, Add	257.39	
For >25 To 50, Add	183.92	
For >50 To 100, Add	91.96	
For >500 To 1,000, Deduct	-32.78	
For >1,000 To 2,000, Deduct	-49.72	
For >2,000 To 5,000, Deduct	-81.76	
For >5,000, Deduct	-135.53	
33 01 30 72-0082 LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	739.75	
For Vinyl ester Resin, Add	482.70	
For Epoxy Resin, Add	56.89	
For Up To >10, Add	495.33	
For >10 To 25, Add	297.84	
For >25 To 50, Add	213.18	
For >50 To 100, Add	106.59	
For >500 To 1,000, Deduct	-38.24	
For >1,000 To 2,000, Deduct	-57.99	
For >2,000 To 5,000, Deduct	-95.29	
For >5,000, Deduct	-157.99	
33 01 30 72-0083 LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	848.08	
For Vinyl ester Resin, Add	552.64	
For Epoxy Resin, Add	65.13	
For Up To >10, Add	570.54	
For >10 To 25, Add	343.87	
For >25 To 50, Add	245.80	
For >50 To 100, Add	122.90	
For >500 To 1,000, Deduct	-43.87	
For >1,000 To 2,000, Deduct	-66.54	
For >2,000 To 5,000, Deduct	-109.39	
For >5,000, Deduct	-181.34	
33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0085 LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	344.81	
For Vinyl ester Resin, Add	222.47	
For Epoxy Resin, Add	26.22	
For Up To >10, Add	239.88	
For >10 To 25, Add	146.93	
For >25 To 50, Add	104.05	
For >50 To 100, Add	52.02	
For >500 To 1,000, Deduct	-17.92	
For >1,000 To 2,000, Deduct	-27.21	
For >2,000 To 5,000, Deduct	-44.89	
For >5,000, Deduct	-74.36	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0086 LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	402.00	
For Vinlyester Resin, Add	260.94	
For Epoxy Resin, Add	30.75	
For Up To >10, Add	274.08	
For >10 To 25, Add	166.27	
For >25 To 50, Add	118.40	
For >50 To 100, Add	59.20	
For >500 To 1,000, Deduct	-20.83	
For >1,000 To 2,000, Deduct	-31.61	
For >2,000 To 5,000, Deduct	-52.04	
For >5,000, Deduct	-86.25	
33 01 30 72-0087 LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	459.62	
For Vinlyester Resin, Add	299.40	
For Epoxy Resin, Add	35.29	
For Up To >10, Add	309.56	
For >10 To 25, Add	186.68	
For >25 To 50, Add	133.39	
For >50 To 100, Add	66.70	
For >500 To 1,000, Deduct	-23.78	
For >1,000 To 2,000, Deduct	-36.07	
For >2,000 To 5,000, Deduct	-59.30	
For >5,000, Deduct	-98.30	
33 01 30 72-0088 LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	517.82	
For Vinlyester Resin, Add	337.88	
For Epoxy Resin, Add	39.82	
For Up To >10, Add	346.76	
For >10 To 25, Add	208.52	
For >25 To 50, Add	149.25	
For >50 To 100, Add	74.62	
For >500 To 1,000, Deduct	-26.77	
For >1,000 To 2,000, Deduct	-40.59	
For >2,000 To 5,000, Deduct	-66.71	
For >5,000, Deduct	-110.59	
33 01 30 72-0089 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	576.70	
For Vinlyester Resin, Add	376.34	
For Epoxy Resin, Add	44.35	
For Up To >10, Add	386.03	
For >10 To 25, Add	232.08	
For >25 To 50, Add	166.13	
For >50 To 100, Add	83.07	
For >500 To 1,000, Deduct	-29.81	
For >1,000 To 2,000, Deduct	-45.21	
For >2,000 To 5,000, Deduct	-74.28	
For >5,000, Deduct	-123.15	
33 01 30 72-0090 LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	691.53	
For Vinlyester Resin, Add	453.28	
For Epoxy Resin, Add	53.42	
For Up To >10, Add	455.74	
For >10 To 25, Add	271.86	
For >25 To 50, Add	195.49	
For >50 To 100, Add	97.75	
For >500 To 1,000, Deduct	-35.68	
For >1,000 To 2,000, Deduct	-54.06	
For >2,000 To 5,000, Deduct	-88.70	
For >5,000, Deduct	-147.10	
33 01 30 72-0091 LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	807.62	
For Vinlyester Resin, Add	530.21	
For Epoxy Resin, Add	62.49	
For Up To >10, Add	529.26	
For >10 To 25, Add	314.81	
For >25 To 50, Add	226.76	
For >50 To 100, Add	113.38	
For >500 To 1,000, Deduct	-41.64	
For >1,000 To 2,000, Deduct	-63.08	
For >2,000 To 5,000, Deduct	-103.44	
For >5,000, Deduct	-171.56	
33 01 30 72-0092 LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	925.95	
For Vinlyester Resin, Add	607.15	
For Epoxy Resin, Add	71.56	
For Up To >10, Add	609.48	
For >10 To 25, Add	363.34	
For >25 To 50, Add	261.37	
For >50 To 100, Add	130.69	
For >500 To 1,000, Deduct	-47.76	
For >1,000 To 2,000, Deduct	-72.38	
For >2,000 To 5,000, Deduct	-118.73	
For >5,000, Deduct	-196.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0093 LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,043.31	
For Vinlyester Resin, Add	684.08	
For Epoxy Resin, Add	80.62	
For Up To >10, Add	686.78	
For >10 To 25, Add	409.44	
For >25 To 50, Add	294.53	
For >50 To 100, Add	147.26	
For >500 To 1,000, Deduct	-53.82	
For >1,000 To 2,000, Deduct	-81.55	
For >2,000 To 5,000, Deduct	-133.78	
For >5,000, Deduct	-221.87	
33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0095 LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	373.22	
For Vinlyester Resin, Add	241.87	
For Epoxy Resin, Add	28.51	
For Up To >10, Add	255.84	
For >10 To 25, Add	155.61	
For >25 To 50, Add	110.64	
For >50 To 100, Add	55.32	
For >500 To 1,000, Deduct	-19.35	
For >1,000 To 2,000, Deduct	-29.38	
For >2,000 To 5,000, Deduct	-48.39	
For >5,000, Deduct	-80.18	
33 01 30 72-0096 LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	435.56	
For Vinlyester Resin, Add	283.84	
For Epoxy Resin, Add	33.45	
For Up To >10, Add	292.98	
For >10 To 25, Add	176.57	
For >25 To 50, Add	126.22	
For >50 To 100, Add	63.11	
For >500 To 1,000, Deduct	-22.53	
For >1,000 To 2,000, Deduct	-34.17	
For >2,000 To 5,000, Deduct	-56.18	
For >5,000, Deduct	-93.13	
33 01 30 72-0097 LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	498.18	
For Vinlyester Resin, Add	325.80	
For Epoxy Resin, Add	38.40	
For Up To >10, Add	330.97	
For >10 To 25, Add	198.23	
For >25 To 50, Add	142.21	
For >50 To 100, Add	71.11	
For >500 To 1,000, Deduct	-25.73	
For >1,000 To 2,000, Deduct	-39.00	
For >2,000 To 5,000, Deduct	-64.04	
For >5,000, Deduct	-106.19	
33 01 30 72-0098 LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	561.50	
For Vinlyester Resin, Add	367.77	
For Epoxy Resin, Add	43.34	
For Up To >10, Add	371.05	
For >10 To 25, Add	221.65	
For >25 To 50, Add	159.26	
For >50 To 100, Add	79.63	
For >500 To 1,000, Deduct	-28.98	
For >1,000 To 2,000, Deduct	-43.92	
For >2,000 To 5,000, Deduct	-72.08	
For >5,000, Deduct	-119.52	
33 01 30 72-0099 LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	625.37	
For Vinlyester Resin, Add	409.72	
For Epoxy Resin, Add	48.29	
For Up To >10, Add	412.81	
For >10 To 25, Add	246.46	
For >25 To 50, Add	177.14	
For >50 To 100, Add	88.57	
For >500 To 1,000, Deduct	-32.27	
For >1,000 To 2,000, Deduct	-48.91	
For >2,000 To 5,000, Deduct	-80.25	
For >5,000, Deduct	-133.08	
33 01 30 72-0100 LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	751.32	
For Vinlyester Resin, Add	493.65	
For Epoxy Resin, Add	58.18	
For Up To >10, Add	490.91	
For >10 To 25, Add	291.56	
For >25 To 50, Add	210.19	
For >50 To 100, Add	105.10	
For >500 To 1,000, Deduct	-38.72	
For >1,000 To 2,000, Deduct	-58.65	
For >2,000 To 5,000, Deduct	-96.15	
For >5,000, Deduct	-159.48	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0101 LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	877.83	
For Vinlyester Resin, Add	577.59	
For Epoxy Resin, Add	68.07	
For Up To >10, Add	570.67	
For >10 To 25, Add	338.03	
For >25 To 50, Add	244.08	
For >50 To 100, Add	122.04	
For >500 To 1,000, Deduct	-45.21	
For >1,000 To 2,000, Deduct	-68.47	
For >2,000 To 5,000, Deduct	-112.19	
For >5,000, Deduct	-186.11	
33 01 30 72-0102 LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,006.58	
For Vinlyester Resin, Add	661.51	
For Epoxy Resin, Add	77.96	
For Up To >10, Add	657.19	
For >10 To 25, Add	390.16	
For >25 To 50, Add	281.34	
For >50 To 100, Add	140.67	
For >500 To 1,000, Deduct	-51.87	
For >1,000 To 2,000, Deduct	-78.57	
For >2,000 To 5,000, Deduct	-128.79	
For >5,000, Deduct	-213.63	
33 01 30 72-0103 LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,134.35	
For Vinlyester Resin, Add	745.44	
For Epoxy Resin, Add	87.86	
For Up To >10, Add	740.75	
For >10 To 25, Add	439.81	
For >25 To 50, Add	317.13	
For >50 To 100, Add	158.56	
For >500 To 1,000, Deduct	-58.45	
For >1,000 To 2,000, Deduct	-88.55	
For >2,000 To 5,000, Deduct	-145.15	
For >5,000, Deduct	-240.76	
33 01 30 72-0104 LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,261.97	
For Vinlyester Resin, Add	829.37	
For Epoxy Resin, Add	97.75	
For Up To >10, Add	823.89	
For >10 To 25, Add	489.10	
For >25 To 50, Add	352.70	
For >50 To 100, Add	176.35	
For >500 To 1,000, Deduct	-65.03	
For >1,000 To 2,000, Deduct	-98.51	
For >2,000 To 5,000, Deduct	-161.47	
For >5,000, Deduct	-267.83	
33 01 30 72-0105 LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,390.16	
For Vinlyester Resin, Add	913.30	
For Epoxy Resin, Add	107.64	
For Up To >10, Add	908.71	
For >10 To 25, Add	539.80	
For >25 To 50, Add	389.12	
For >50 To 100, Add	194.56	
For >500 To 1,000, Deduct	-71.64	
For >1,000 To 2,000, Deduct	-108.53	
For >2,000 To 5,000, Deduct	-177.93	
For >5,000, Deduct	-295.12	
33 01 30 72-0106 LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,517.93	
For Vinlyester Resin, Add	997.23	
For Epoxy Resin, Add	117.53	
For Up To >10, Add	992.27	
For >10 To 25, Add	589.45	
For >25 To 50, Add	424.90	
For >50 To 100, Add	212.45	
For >500 To 1,000, Deduct	-78.23	
For >1,000 To 2,000, Deduct	-118.51	
For >2,000 To 5,000, Deduct	-194.28	
For >5,000, Deduct	-322.25	
33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	401.86	
33 01 30 72-0108 LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	401.86	
For Vinlyester Resin, Add	261.14	
For Epoxy Resin, Add	30.78	
For Up To >10, Add	272.96	
For >10 To 25, Add	165.29	
For >25 To 50, Add	117.83	
For >50 To 100, Add	58.91	
For >500 To 1,000, Deduct	-20.81	
For >1,000 To 2,000, Deduct	-31.58	
For >2,000 To 5,000, Deduct	-51.97	
For >5,000, Deduct	-86.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0109 LF 19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	469.19	
For Vinlyester Resin, Add	306.59	
For Epoxy Resin, Add	36.13	
For Up To >10, Add	312.60	
For >10 To 25, Add	187.50	
For >25 To 50, Add	134.40	
For >50 To 100, Add	67.20	
For >500 To 1,000, Deduct	-24.24	
For >1,000 To 2,000, Deduct	-36.75	
For >2,000 To 5,000, Deduct	-60.36	
For >5,000, Deduct	-100.08	
33 01 30 72-0110 LF 19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	536.94	
For Vinlyester Resin, Add	352.05	
For Epoxy Resin, Add	41.49	
For Up To >10, Add	353.50	
For >10 To 25, Add	210.76	
For >25 To 50, Add	151.60	
For >50 To 100, Add	75.80	
For >500 To 1,000, Deduct	-27.70	
For >1,000 To 2,000, Deduct	-41.97	
For >2,000 To 5,000, Deduct	-68.85	
For >5,000, Deduct	-114.19	
33 01 30 72-0111 LF 19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	604.98	
For Vinlyester Resin, Add	397.52	
For Epoxy Resin, Add	46.85	
For Up To >10, Add	395.24	
For >10 To 25, Add	234.72	
For >25 To 50, Add	169.23	
For >50 To 100, Add	84.61	
For >500 To 1,000, Deduct	-31.18	
For >1,000 To 2,000, Deduct	-47.23	
For >2,000 To 5,000, Deduct	-77.42	
For >5,000, Deduct	-128.42	
33 01 30 72-0112 LF 19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	674.15	
For Vinlyester Resin, Add	442.98	
For Epoxy Resin, Add	52.21	
For Up To >10, Add	440.38	
For >10 To 25, Add	261.51	
For >25 To 50, Add	188.55	
For >50 To 100, Add	94.27	
For >500 To 1,000, Deduct	-34.74	
For >1,000 To 2,000, Deduct	-52.63	
For >2,000 To 5,000, Deduct	-86.27	
For >5,000, Deduct	-143.09	
33 01 30 72-0113 LF 19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	811.34	
For Vinlyester Resin, Add	533.90	
For Epoxy Resin, Add	62.92	
For Up To >10, Add	527.25	
For >10 To 25, Add	312.25	
For >25 To 50, Add	225.49	
For >50 To 100, Add	112.74	
For >500 To 1,000, Deduct	-41.78	
For >1,000 To 2,000, Deduct	-63.28	
For >2,000 To 5,000, Deduct	-103.68	
For >5,000, Deduct	-171.99	
33 01 30 72-0114 LF 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	948.96	
For Vinlyester Resin, Add	624.82	
For Epoxy Resin, Add	73.64	
For Up To >10, Add	615.38	
For >10 To 25, Add	364.05	
For >25 To 50, Add	263.06	
For >50 To 100, Add	131.53	
For >500 To 1,000, Deduct	-48.86	
For >1,000 To 2,000, Deduct	-73.99	
For >2,000 To 5,000, Deduct	-121.20	
For >5,000, Deduct	-201.06	
33 01 30 72-0115 LF 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,087.56	
For Vinlyester Resin, Add	715.74	
For Epoxy Resin, Add	84.36	
For Up To >10, Add	706.46	
For >10 To 25, Add	418.30	
For >25 To 50, Add	302.10	
For >50 To 100, Add	151.05	
For >500 To 1,000, Deduct	-56.00	
For >1,000 To 2,000, Deduct	-84.82	
For >2,000 To 5,000, Deduct	-138.97	
For >5,000, Deduct	-230.53	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0116 LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,225.74	
For Vinlyester Resin, Add	806.67	
For Epoxy Resin, Add	95.07	
For Up To >10, Add	796.27	
For >10 To 25, Add	471.50	
For >25 To 50, Add	340.52	
For >50 To 100, Add	170.26	
For >500 To 1,000, Deduct	-63.12	
For >1,000 To 2,000, Deduct	-95.60	
For >2,000 To 5,000, Deduct	-156.63	
For >5,000, Deduct	-259.82	
33 01 30 72-0117 LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,363.93	
For Vinlyester Resin, Add	897.59	
For Epoxy Resin, Add	105.79	
For Up To >10, Add	886.12	
For >10 To 25, Add	524.72	
For >25 To 50, Add	378.94	
For >50 To 100, Add	189.47	
For >500 To 1,000, Deduct	-70.24	
For >1,000 To 2,000, Deduct	-106.38	
For >2,000 To 5,000, Deduct	-174.29	
For >5,000, Deduct	-289.12	
33 01 30 72-0118 LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,503.79	
For Vinlyester Resin, Add	988.51	
For Epoxy Resin, Add	116.50	
For Up To >10, Add	980.97	
For >10 To 25, Add	582.12	
For >25 To 50, Add	419.88	
For >50 To 100, Add	209.94	
For >500 To 1,000, Deduct	-77.48	
For >1,000 To 2,000, Deduct	-117.37	
For >2,000 To 5,000, Deduct	-192.37	
For >5,000, Deduct	-319.08	
33 01 30 72-0119 LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,642.11	
For Vinlyester Resin, Add	1,079.43	
For Epoxy Resin, Add	127.22	
For Up To >10, Add	1,071.23	
For >10 To 25, Add	635.69	
For >25 To 50, Add	458.51	
For >50 To 100, Add	229.26	
For >500 To 1,000, Deduct	-84.61	
For >1,000 To 2,000, Deduct	-128.16	
For >2,000 To 5,000, Deduct	-210.06	
For >5,000, Deduct	-348.44	
33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0121 LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	430.15	
For Vinlyester Resin, Add	280.25	
For Epoxy Resin, Add	33.03	
For Up To >10, Add	289.55	
For >10 To 25, Add	174.57	
For >25 To 50, Add	124.76	
For >50 To 100, Add	62.38	
For >500 To 1,000, Deduct	-22.25	
For >1,000 To 2,000, Deduct	-33.75	
For >2,000 To 5,000, Deduct	-55.49	
For >5,000, Deduct	-91.99	
33 01 30 72-0122 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	502.63	
For Vinlyester Resin, Add	329.22	
For Epoxy Resin, Add	38.80	
For Up To >10, Add	332.12	
For >10 To 25, Add	198.38	
For >25 To 50, Add	142.54	
For >50 To 100, Add	71.27	
For >500 To 1,000, Deduct	-25.94	
For >1,000 To 2,000, Deduct	-39.31	
For >2,000 To 5,000, Deduct	-64.52	
For >5,000, Deduct	-106.99	
33 01 30 72-0123 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	575.52	
For Vinlyester Resin, Add	378.18	
For Epoxy Resin, Add	44.57	
For Up To >10, Add	375.94	
For >10 To 25, Add	223.24	
For >25 To 50, Add	160.96	
For >50 To 100, Add	80.48	
For >500 To 1,000, Deduct	-29.66	
For >1,000 To 2,000, Deduct	-44.93	
For >2,000 To 5,000, Deduct	-73.65	
For >5,000, Deduct	-122.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0124 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	648.27	
For Vinlyester Resin, Add	427.13	
For Epoxy Resin, Add	50.34	
For Up To >10, Add	419.34	
For >10 To 25, Add	247.75	
For >25 To 50, Add	179.16	
For >50 To 100, Add	89.58	
For >500 To 1,000, Deduct	-33.37	
For >1,000 To 2,000, Deduct	-50.52	
For >2,000 To 5,000, Deduct	-82.74	
For >5,000, Deduct	-137.27	
33 01 30 72-0125 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	722.57	
For Vinlyester Resin, Add	476.09	
For Epoxy Resin, Add	56.11	
For Up To >10, Add	467.39	
For >10 To 25, Add	276.13	
For >25 To 50, Add	199.69	
For >50 To 100, Add	99.84	
For >500 To 1,000, Deduct	-37.19	
For >1,000 To 2,000, Deduct	-56.31	
For >2,000 To 5,000, Deduct	-92.23	
For >5,000, Deduct	-153.00	
33 01 30 72-0126 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	871.17	
For Vinlyester Resin, Add	574.01	
For Epoxy Resin, Add	67.65	
For Up To >10, Add	563.49	
For >10 To 25, Add	332.90	
For >25 To 50, Add	240.74	
For >50 To 100, Add	120.37	
For >500 To 1,000, Deduct	-44.84	
For >1,000 To 2,000, Deduct	-67.90	
For >2,000 To 5,000, Deduct	-111.19	
For >5,000, Deduct	-184.47	
33 01 30 72-0127 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,019.76	
For Vinlyester Resin, Add	671.92	
For Epoxy Resin, Add	79.19	
For Up To >10, Add	659.56	
For >10 To 25, Add	389.65	
For >25 To 50, Add	281.78	
For >50 To 100, Add	140.89	
For >500 To 1,000, Deduct	-52.48	
For >1,000 To 2,000, Deduct	-79.48	
For >2,000 To 5,000, Deduct	-130.15	
For >5,000, Deduct	-215.93	
33 01 30 72-0128 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,168.36	
For Vinlyester Resin, Add	769.84	
For Epoxy Resin, Add	90.73	
For Up To >10, Add	755.66	
For >10 To 25, Add	446.42	
For >25 To 50, Add	322.84	
For >50 To 100, Add	161.42	
For >500 To 1,000, Deduct	-60.13	
For >1,000 To 2,000, Deduct	-91.06	
For >2,000 To 5,000, Deduct	-149.12	
For >5,000, Deduct	-247.39	
33 01 30 72-0129 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,316.95	
For Vinlyester Resin, Add	867.76	
For Epoxy Resin, Add	102.27	
For Up To >10, Add	851.73	
For >10 To 25, Add	503.16	
For >25 To 50, Add	363.88	
For >50 To 100, Add	181.94	
For >500 To 1,000, Deduct	-67.78	
For >1,000 To 2,000, Deduct	-102.64	
For >2,000 To 5,000, Deduct	-168.08	
For >5,000, Deduct	-278.85	
33 01 30 72-0130 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,465.54	
For Vinlyester Resin, Add	965.67	
For Epoxy Resin, Add	113.81	
For Up To >10, Add	947.80	
For >10 To 25, Add	559.91	
For >25 To 50, Add	404.92	
For >50 To 100, Add	202.46	
For >500 To 1,000, Deduct	-75.43	
For >1,000 To 2,000, Deduct	-114.22	
For >2,000 To 5,000, Deduct	-187.05	
For >5,000, Deduct	-310.31	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0131 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,617.23	
For Vinlyester Resin, Add	1,063.59	
For Epoxy Resin, Add	125.35	
For Up To >10, Add	1,053.17	
For >10 To 25, Add	624.40	
For >25 To 50, Add	450.61	
For >50 To 100, Add	225.31	
For >500 To 1,000, Deduct	-83.31	
For >1,000 To 2,000, Deduct	-126.18	
For >2,000 To 5,000, Deduct	-206.78	
For >5,000, Deduct	-343.01	
33 01 30 72-0132 LF 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,766.10	
For Vinlyester Resin, Add	1,161.50	
For Epoxy Resin, Add	136.89	
For Up To >10, Add	1,150.08	
For >10 To 25, Add	681.85	
For >25 To 50, Add	492.07	
For >50 To 100, Add	246.04	
For >500 To 1,000, Deduct	-90.98	
For >1,000 To 2,000, Deduct	-137.80	
For >2,000 To 5,000, Deduct	-225.82	
For >5,000, Deduct	-374.58	
33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0134 LF 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	458.13	
For Vinlyester Resin, Add	299.24	
For Epoxy Resin, Add	35.27	
For Up To >10, Add	305.67	
For >10 To 25, Add	183.47	
For >25 To 50, Add	131.46	
For >50 To 100, Add	65.73	
For >500 To 1,000, Deduct	-23.67	
For >1,000 To 2,000, Deduct	-35.89	
For >2,000 To 5,000, Deduct	-58.96	
For >5,000, Deduct	-97.75	
33 01 30 72-0135 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	535.59	
For Vinlyester Resin, Add	351.69	
For Epoxy Resin, Add	41.45	
For Up To >10, Add	350.72	
For >10 To 25, Add	208.53	
For >25 To 50, Add	150.24	
For >50 To 100, Add	75.12	
For >500 To 1,000, Deduct	-27.61	
For >1,000 To 2,000, Deduct	-41.83	
For >2,000 To 5,000, Deduct	-68.58	
For >5,000, Deduct	-113.75	
33 01 30 72-0136 LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	613.90	
For Vinlyester Resin, Add	404.15	
For Epoxy Resin, Add	47.63	
For Up To >10, Add	398.30	
For >10 To 25, Add	235.69	
For >25 To 50, Add	170.28	
For >50 To 100, Add	85.14	
For >500 To 1,000, Deduct	-31.61	
For >1,000 To 2,000, Deduct	-47.87	
For >2,000 To 5,000, Deduct	-78.42	
For >5,000, Deduct	-130.09	
33 01 30 72-0137 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	692.64	
For Vinlyester Resin, Add	456.61	
For Epoxy Resin, Add	53.81	
For Up To >10, Add	447.17	
For >10 To 25, Add	263.93	
For >25 To 50, Add	190.97	
For >50 To 100, Add	95.49	
For >500 To 1,000, Deduct	-35.64	
For >1,000 To 2,000, Deduct	-53.97	
For >2,000 To 5,000, Deduct	-88.36	
For >5,000, Deduct	-146.60	
33 01 30 72-0138 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	772.20	
For Vinlyester Resin, Add	509.06	
For Epoxy Resin, Add	60.00	
For Up To >10, Add	498.53	
For >10 To 25, Add	294.23	
For >25 To 50, Add	212.90	
For >50 To 100, Add	106.45	
For >500 To 1,000, Deduct	-39.73	
For >1,000 To 2,000, Deduct	-60.16	
For >2,000 To 5,000, Deduct	-98.51	
For >5,000, Deduct	-163.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0139 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	931.35	
For Vinlyester Resin, Add	613.97	
For Epoxy Resin, Add	72.36	
For Up To >10, Add	601.30	
For >10 To 25, Add	354.90	
For >25 To 50, Add	256.80	
For >50 To 100, Add	128.40	
For >500 To 1,000, Deduct	-47.92	
For >1,000 To 2,000, Deduct	-72.56	
For >2,000 To 5,000, Deduct	-118.81	
For >5,000, Deduct	-197.12	
33 01 30 72-0140 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,090.50	
For Vinlyester Resin, Add	718.88	
For Epoxy Resin, Add	84.73	
For Up To >10, Add	704.08	
For >10 To 25, Add	415.57	
For >25 To 50, Add	300.69	
For >50 To 100, Add	150.34	
For >500 To 1,000, Deduct	-56.11	
For >1,000 To 2,000, Deduct	-84.96	
For >2,000 To 5,000, Deduct	-139.12	
For >5,000, Deduct	-230.81	
33 01 30 72-0141 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,249.65	
For Vinlyester Resin, Add	823.80	
For Epoxy Resin, Add	97.09	
For Up To >10, Add	806.83	
For >10 To 25, Add	476.21	
For >25 To 50, Add	344.57	
For >50 To 100, Add	172.29	
For >500 To 1,000, Deduct	-64.30	
For >1,000 To 2,000, Deduct	-97.36	
For >2,000 To 5,000, Deduct	-159.42	
For >5,000, Deduct	-264.49	
33 01 30 72-0142 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,408.80	
For Vinlyester Resin, Add	928.70	
For Epoxy Resin, Add	109.45	
For Up To >10, Add	909.60	
For >10 To 25, Add	536.88	
For >25 To 50, Add	388.46	
For >50 To 100, Add	194.23	
For >500 To 1,000, Deduct	-72.49	
For >1,000 To 2,000, Deduct	-109.76	
For >2,000 To 5,000, Deduct	-179.73	
For >5,000, Deduct	-298.18	
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,567.94	
For Vinlyester Resin, Add	1,033.61	
For Epoxy Resin, Add	121.62	
For Up To >10, Add	1,012.35	
For >10 To 25, Add	597.52	
For >25 To 50, Add	432.34	
For >50 To 100, Add	216.17	
For >500 To 1,000, Deduct	-80.68	
For >1,000 To 2,000, Deduct	-122.16	
For >2,000 To 5,000, Deduct	-200.03	
For >5,000, Deduct	-331.86	
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,730.32	
For Vinlyester Resin, Add	1,138.52	
For Epoxy Resin, Add	134.18	
For Up To >10, Add	1,124.81	
For >10 To 25, Add	666.27	
For >25 To 50, Add	481.08	
For >50 To 100, Add	240.54	
For >500 To 1,000, Deduct	-89.11	
For >1,000 To 2,000, Deduct	-134.97	
For >2,000 To 5,000, Deduct	-221.14	
For >5,000, Deduct	-366.84	
33 01 30 72-0145 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,889.76	
For Vinlyester Resin, Add	1,243.44	
For Epoxy Resin, Add	146.55	
For Up To >10, Add	1,228.43	
For >10 To 25, Add	727.64	
For >25 To 50, Add	525.40	
For >50 To 100, Add	262.70	
For >500 To 1,000, Deduct	-97.32	
For >1,000 To 2,000, Deduct	-147.40	
For >2,000 To 5,000, Deduct	-241.52	
For >5,000, Deduct	-400.64	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0147 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	485.75	
For Vinlyester Resin, Add	318.09	
For Epoxy Resin, Add	37.49	
For Up To >10, Add	321.23	
For >10 To 25, Add	191.95	
For >25 To 50, Add	137.89	
For >50 To 100, Add	68.95	
For >500 To 1,000, Deduct	-25.07	
For >1,000 To 2,000, Deduct	-38.00	
For >2,000 To 5,000, Deduct	-62.36	
For >5,000, Deduct	-103.42	
33 01 30 72-0148 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	688.22	
For Vinlyester Resin, Add	374.05	
For Epoxy Resin, Add	44.08	
For Up To >10, Add	368.79	
For >10 To 25, Add	218.26	
For >25 To 50, Add	157.68	
For >50 To 100, Add	78.84	
For >500 To 1,000, Deduct	-29.26	
For >1,000 To 2,000, Deduct	-44.31	
For >2,000 To 5,000, Deduct	-72.59	
For >5,000, Deduct	-120.42	
33 01 30 72-0149 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	651.94	
For Vinlyester Resin, Add	430.00	
For Epoxy Resin, Add	50.68	
For Up To >10, Add	420.12	
For >10 To 25, Add	247.72	
For >25 To 50, Add	179.35	
For >50 To 100, Add	89.67	
For >500 To 1,000, Deduct	-33.54	
For >1,000 To 2,000, Deduct	-50.78	
For >2,000 To 5,000, Deduct	-83.13	
For >5,000, Deduct	-137.92	
33 01 30 72-0150 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	736.80	
For Vinlyester Resin, Add	485.95	
For Epoxy Resin, Add	57.27	
For Up To >10, Add	474.88	
For >10 To 25, Add	280.03	
For >25 To 50, Add	202.73	
For >50 To 100, Add	101.36	
For >500 To 1,000, Deduct	-37.90	
For >1,000 To 2,000, Deduct	-57.39	
For >2,000 To 5,000, Deduct	-93.95	
For >5,000, Deduct	-155.88	
33 01 30 72-0151 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	821.64	
For Vinlyester Resin, Add	541.90	
For Epoxy Resin, Add	63.87	
For Up To >10, Add	529.57	
For >10 To 25, Add	312.29	
For >25 To 50, Add	226.08	
For >50 To 100, Add	113.04	
For >500 To 1,000, Deduct	-42.27	
For >1,000 To 2,000, Deduct	-64.00	
For >2,000 To 5,000, Deduct	-104.77	
For >5,000, Deduct	-173.83	
33 01 30 72-0152 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	991.36	
For Vinlyester Resin, Add	653.81	
For Epoxy Resin, Add	77.06	
For Up To >10, Add	639.06	
For >10 To 25, Add	376.88	
For >25 To 50, Add	272.83	
For >50 To 100, Add	136.41	
For >500 To 1,000, Deduct	-51.00	
For >1,000 To 2,000, Deduct	-77.22	
For >2,000 To 5,000, Deduct	-126.42	
For >5,000, Deduct	-209.74	
33 01 30 72-0153 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,205.96	
For Vinlyester Resin, Add	797.24	
For Epoxy Resin, Add	93.96	
For Up To >10, Add	770.58	
For >10 To 25, Add	452.33	
For >25 To 50, Add	328.34	
For >50 To 100, Add	164.17	
For >500 To 1,000, Deduct	-61.97	
For >1,000 To 2,000, Deduct	-93.80	
For >2,000 To 5,000, Deduct	-153.43	
For >5,000, Deduct	-254.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0154 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,330.61	
For Vinyl Ester Resin, Add	877.61	
For Epoxy Resin, Add	103.43	
For Up To >10, Add	857.51	
For >10 To 25, Add	505.63	
For >25 To 50, Add	366.07	
For >50 To 100, Add	183.03	
For >500 To 1,000, Deduct	-68.45	
For >1,000 To 2,000, Deduct	-103.64	
For >2,000 To 5,000, Deduct	-169.67	
For >5,000, Deduct	-281.50	
33 01 30 72-0155 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,500.32	
For Vinyl Ester Resin, Add	989.52	
For Epoxy Resin, Add	116.62	
For Up To >10, Add	966.96	
For >10 To 25, Add	570.20	
For >25 To 50, Add	412.80	
For >50 To 100, Add	206.40	
For >500 To 1,000, Deduct	-77.18	
For >1,000 To 2,000, Deduct	-116.86	
For >2,000 To 5,000, Deduct	-191.31	
For >5,000, Deduct	-317.41	
33 01 30 72-0156 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,670.01	
For Vinyl Ester Resin, Add	1,101.42	
For Epoxy Resin, Add	129.81	
For Up To >10, Add	1,076.38	
For >10 To 25, Add	634.74	
For >25 To 50, Add	459.52	
For >50 To 100, Add	229.76	
For >500 To 1,000, Deduct	-85.91	
For >1,000 To 2,000, Deduct	-130.08	
For >2,000 To 5,000, Deduct	-212.95	
For >5,000, Deduct	-353.31	
33 01 30 72-0157 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,843.08	
For Vinyl Ester Resin, Add	1,213.32	
For Epoxy Resin, Add	143.00	
For Up To >10, Add	1,195.94	
For >10 To 25, Add	707.73	
For >25 To 50, Add	511.30	
For >50 To 100, Add	255.65	
For >500 To 1,000, Deduct	-94.90	
For >1,000 To 2,000, Deduct	-143.72	
For >2,000 To 5,000, Deduct	-235.44	
For >5,000, Deduct	-390.57	
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,013.07	
For Vinyl Ester Resin, Add	1,325.23	
For Epoxy Resin, Add	156.19	
For Up To >10, Add	1,306.24	
For >10 To 25, Add	773.00	
For >25 To 50, Add	558.46	
For >50 To 100, Add	279.23	
For >500 To 1,000, Deduct	-103.65	
For >1,000 To 2,000, Deduct	-156.97	
For >2,000 To 5,000, Deduct	-257.15	
For >5,000, Deduct	-426.59	
33 01 30 72-0159 LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,183.05	
For Vinyl Ester Resin, Add	1,437.14	
For Epoxy Resin, Add	169.38	
For Up To >10, Add	1,416.53	
For >10 To 25, Add	838.26	
For >25 To 50, Add	605.61	
For >50 To 100, Add	302.81	
For >500 To 1,000, Deduct	-112.40	
For >1,000 To 2,000, Deduct	-170.23	
For >2,000 To 5,000, Deduct	-278.87	
For >5,000, Deduct	-462.61	
33 01 30 72-0160 LF 24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,353.03	
For Vinyl Ester Resin, Add	1,549.04	
For Epoxy Resin, Add	182.57	
For Up To >10, Add	1,526.82	
For >10 To 25, Add	903.53	
For >25 To 50, Add	652.76	
For >50 To 100, Add	326.38	
For >500 To 1,000, Deduct	-121.15	
For >1,000 To 2,000, Deduct	-183.48	
For >2,000 To 5,000, Deduct	-300.58	
For >5,000, Deduct	-498.63	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	601.06	
			<i>For Vinlyester Resin, Add</i>	396.25	
			<i>For Epoxy Resin, Add</i>	46.70	
			<i>For Up To >10, Add</i>	388.01	
			<i>For >10 To 25, Add</i>	228.99	
			<i>For >25 To 50, Add</i>	165.70	
			<i>For >50 To 100, Add</i>	82.85	
			<i>For >500 To 1,000, Deduct</i>	-30.93	
			<i>For >1,000 To 2,000, Deduct</i>	-46.83	
			<i>For >2,000 To 5,000, Deduct</i>	-76.68	
			<i>For >5,000, Deduct</i>	-127.21	
33 01 30	72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	690.63	
			<i>For Vinlyester Resin, Add</i>	455.70	
			<i>For Epoxy Resin, Add</i>	53.71	
			<i>For Up To >10, Add</i>	444.39	
			<i>For >10 To 25, Add</i>	261.83	
			<i>For >25 To 50, Add</i>	189.65	
			<i>For >50 To 100, Add</i>	94.82	
			<i>For >500 To 1,000, Deduct</i>	-35.52	
			<i>For >1,000 To 2,000, Deduct</i>	-53.78	
			<i>For >2,000 To 5,000, Deduct</i>	-88.03	
			<i>For >5,000, Deduct</i>	-146.05	
33 01 30	72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	780.76	
			<i>For Vinlyester Resin, Add</i>	515.15	
			<i>For Epoxy Resin, Add</i>	60.71	
			<i>For Up To >10, Add</i>	502.46	
			<i>For >10 To 25, Add</i>	296.06	
			<i>For >25 To 50, Add</i>	214.43	
			<i>For >50 To 100, Add</i>	107.22	
			<i>For >500 To 1,000, Deduct</i>	-40.16	
			<i>For >1,000 To 2,000, Deduct</i>	-60.80	
			<i>For >2,000 To 5,000, Deduct</i>	-99.52	
			<i>For >5,000, Deduct</i>	-165.12	
33 01 30	72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	870.74	
			<i>For Vinlyester Resin, Add</i>	574.60	
			<i>For Epoxy Resin, Add</i>	67.72	
			<i>For Up To >10, Add</i>	560.10	
			<i>For >10 To 25, Add</i>	329.94	
			<i>For >25 To 50, Add</i>	239.01	
			<i>For >50 To 100, Add</i>	119.50	
			<i>For >500 To 1,000, Deduct</i>	-44.78	
			<i>For >1,000 To 2,000, Deduct</i>	-67.80	
			<i>For >2,000 To 5,000, Deduct</i>	-110.97	
			<i>For >5,000, Deduct</i>	-184.13	
33 01 30	72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,051.00	
			<i>For Vinlyester Resin, Add</i>	693.50	
			<i>For Epoxy Resin, Add</i>	81.73	
			<i>For Up To >10, Add</i>	676.23	
			<i>For >10 To 25, Add</i>	398.40	
			<i>For >25 To 50, Add</i>	288.58	
			<i>For >50 To 100, Add</i>	144.29	
			<i>For >500 To 1,000, Deduct</i>	-54.06	
			<i>For >1,000 To 2,000, Deduct</i>	-81.84	
			<i>For >2,000 To 5,000, Deduct</i>	-133.96	
			<i>For >5,000, Deduct</i>	-222.26	
33 01 30	72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,231.11	
			<i>For Vinlyester Resin, Add</i>	812.39	
			<i>For Epoxy Resin, Add</i>	95.75	
			<i>For Up To >10, Add</i>	791.93	
			<i>For >10 To 25, Add</i>	466.52	
			<i>For >25 To 50, Add</i>	337.94	
			<i>For >50 To 100, Add</i>	168.97	
			<i>For >500 To 1,000, Deduct</i>	-63.32	
			<i>For >1,000 To 2,000, Deduct</i>	-95.86	
			<i>For >2,000 To 5,000, Deduct</i>	-156.90	
			<i>For >5,000, Deduct</i>	-260.33	
33 01 30	72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,411.38	
			<i>For Vinlyester Resin, Add</i>	931.29	
			<i>For Epoxy Resin, Add</i>	109.76	
			<i>For Up To >10, Add</i>	908.09	
			<i>For >10 To 25, Add</i>	535.01	
			<i>For >25 To 50, Add</i>	387.52	
			<i>For >50 To 100, Add</i>	193.76	
			<i>For >500 To 1,000, Deduct</i>	-72.59	
			<i>For >1,000 To 2,000, Deduct</i>	-109.90	
			<i>For >2,000 To 5,000, Deduct</i>	-179.89	
			<i>For >5,000, Deduct</i>	-298.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0169 LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,591.49	
For Vinylster Resin, Add	1,050.19	
For Epoxy Resin, Add	123.77	
For Up To >10, Add	1,023.80	
For >10 To 25, Add	603.12	
For >25 To 50, Add	436.88	
For >50 To 100, Add	218.44	
For >500 To 1,000, Deduct	-81.86	
For >1,000 To 2,000, Deduct	-123.92	
For >2,000 To 5,000, Deduct	-202.84	
For >5,000, Deduct	-336.54	
33 01 30 72-0170 LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,771.74	
For Vinylster Resin, Add	1,169.09	
For Epoxy Resin, Add	137.79	
For Up To >10, Add	1,139.90	
For >10 To 25, Add	671.56	
For >25 To 50, Add	486.44	
For >50 To 100, Add	243.22	
For >500 To 1,000, Deduct	-91.13	
For >1,000 To 2,000, Deduct	-137.96	
For >2,000 To 5,000, Deduct	-225.82	
For >5,000, Deduct	-374.67	
33 01 30 72-0171 LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,956.49	
For Vinylster Resin, Add	1,287.99	
For Epoxy Resin, Add	151.80	
For Up To >10, Add	1,269.52	
For >10 To 25, Add	751.27	
For >25 To 50, Add	542.76	
For >50 To 100, Add	271.38	
For >500 To 1,000, Deduct	-100.74	
For >1,000 To 2,000, Deduct	-152.56	
For >2,000 To 5,000, Deduct	-249.93	
For >5,000, Deduct	-414.60	
33 01 30 72-0172 LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,137.17	
For Vinylster Resin, Add	1,406.89	
For Epoxy Resin, Add	165.81	
For Up To >10, Add	1,386.91	
For >10 To 25, Add	820.79	
For >25 To 50, Add	592.96	
For >50 To 100, Add	296.48	
For >500 To 1,000, Deduct	-110.04	
For >1,000 To 2,000, Deduct	-166.65	
For >2,000 To 5,000, Deduct	-273.01	
For >5,000, Deduct	-452.90	
33 01 30 72-0173 LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,317.70	
For Vinylster Resin, Add	1,525.78	
For Epoxy Resin, Add	179.82	
For Up To >10, Add	1,503.88	
For >10 To 25, Add	889.95	
For >25 To 50, Add	642.95	
For >50 To 100, Add	321.48	
For >500 To 1,000, Deduct	-119.34	
For >1,000 To 2,000, Deduct	-180.73	
For >2,000 To 5,000, Deduct	-296.07	
For >5,000, Deduct	-491.14	
33 01 30 72-0174 LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,498.38	
For Vinylster Resin, Add	1,644.69	
For Epoxy Resin, Add	193.84	
For Up To >10, Add	1,621.27	
For >10 To 25, Add	959.46	
For >25 To 50, Add	693.16	
For >50 To 100, Add	346.58	
For >500 To 1,000, Deduct	-128.64	
For >1,000 To 2,000, Deduct	-194.82	
For >2,000 To 5,000, Deduct	-319.15	
For >5,000, Deduct	-529.44	
33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	633.58	
33 01 30 72-0176 LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	633.58	
For Vinylster Resin, Add	418.32	
For Epoxy Resin, Add	49.30	
For Up To >10, Add	406.74	
For >10 To 25, Add	239.35	
For >25 To 50, Add	173.49	
For >50 To 100, Add	86.75	
For >500 To 1,000, Deduct	-32.58	
For >1,000 To 2,000, Deduct	-49.32	
For >2,000 To 5,000, Deduct	-80.71	
For >5,000, Deduct	-133.91	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0177 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	728.98	
For Vinlyester Resin, Add	481.26	
For Epoxy Resin, Add	56.72	
For Up To >10, Add	468.14	
For >10 To 25, Add	275.53	
For >25 To 50, Add	199.69	
For >50 To 100, Add	99.85	
For >500 To 1,000, Deduct	-37.49	
For >1,000 To 2,000, Deduct	-56.75	
For >2,000 To 5,000, Deduct	-92.87	
For >5,000, Deduct	-154.09	
33 01 30 72-0178 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	824.39	
For Vinlyester Resin, Add	544.22	
For Epoxy Resin, Add	64.14	
For Up To >10, Add	529.55	
For >10 To 25, Add	311.71	
For >25 To 50, Add	225.90	
For >50 To 100, Add	112.95	
For >500 To 1,000, Deduct	-42.39	
For >1,000 To 2,000, Deduct	-64.18	
For >2,000 To 5,000, Deduct	-105.03	
For >5,000, Deduct	-174.27	
33 01 30 72-0179 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	919.65	
For Vinlyester Resin, Add	607.16	
For Epoxy Resin, Add	71.56	
For Up To >10, Add	590.53	
For >10 To 25, Add	347.54	
For >25 To 50, Add	251.89	
For >50 To 100, Add	125.95	
For >500 To 1,000, Deduct	-47.29	
For >1,000 To 2,000, Deduct	-71.59	
For >2,000 To 5,000, Deduct	-117.15	
For >5,000, Deduct	-194.39	
33 01 30 72-0180 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,110.32	
For Vinlyester Resin, Add	733.05	
For Epoxy Resin, Add	86.40	
For Up To >10, Add	712.91	
For >10 To 25, Add	419.56	
For >25 To 50, Add	304.09	
For >50 To 100, Add	152.05	
For >500 To 1,000, Deduct	-57.09	
For >1,000 To 2,000, Deduct	-86.43	
For >2,000 To 5,000, Deduct	-141.44	
For >5,000, Deduct	-234.68	
33 01 30 72-0181 LF 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,301.13	
For Vinlyester Resin, Add	858.94	
For Epoxy Resin, Add	101.23	
For Up To >10, Add	835.74	
For >10 To 25, Add	491.94	
For >25 To 50, Add	356.52	
For >50 To 100, Add	178.26	
For >500 To 1,000, Deduct	-66.91	
For >1,000 To 2,000, Deduct	-101.29	
For >2,000 To 5,000, Deduct	-165.76	
For >5,000, Deduct	-275.04	
33 01 30 72-0182 LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,491.80	
For Vinlyester Resin, Add	984.84	
For Epoxy Resin, Add	116.07	
For Up To >10, Add	958.13	
For >10 To 25, Add	563.95	
For >25 To 50, Add	408.72	
For >50 To 100, Add	204.36	
For >500 To 1,000, Deduct	-76.71	
For >1,000 To 2,000, Deduct	-116.13	
For >2,000 To 5,000, Deduct	-190.05	
For >5,000, Deduct	-315.34	
33 01 30 72-0183 LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,682.46	
For Vinlyester Resin, Add	1,110.73	
For Epoxy Resin, Add	130.91	
For Up To >10, Add	1,080.51	
For >10 To 25, Add	635.96	
For >25 To 50, Add	460.92	
For >50 To 100, Add	230.46	
For >500 To 1,000, Deduct	-86.52	
For >1,000 To 2,000, Deduct	-130.97	
For >2,000 To 5,000, Deduct	-214.34	
For >5,000, Deduct	-355.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0184 LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,873.13	
For Vinyl Ester Resin, Add	1,236.62	
For Epoxy Resin, Add	145.74	
For Up To >10, Add	1,202.89	
For >10 To 25, Add	707.98	
For >25 To 50, Add	513.12	
For >50 To 100, Add	256.56	
For >500 To 1,000, Deduct	-96.32	
For >1,000 To 2,000, Deduct	-145.81	
For >2,000 To 5,000, Deduct	-238.62	
For >5,000, Deduct	-395.93	
33 01 30 72-0185 LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,069.70	
For Vinyl Ester Resin, Add	1,362.52	
For Epoxy Resin, Add	160.58	
For Up To >10, Add	1,342.98	
For >10 To 25, Add	794.74	
For >25 To 50, Add	574.17	
For >50 To 100, Add	287.08	
For >500 To 1,000, Deduct	-106.57	
For >1,000 To 2,000, Deduct	-161.39	
For >2,000 To 5,000, Deduct	-264.39	
For >5,000, Deduct	-438.59	
33 01 30 72-0186 LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,260.93	
For Vinyl Ester Resin, Add	1,488.40	
For Epoxy Resin, Add	175.42	
For Up To >10, Add	1,467.07	
For >10 To 25, Add	868.17	
For >25 To 50, Add	627.22	
For >50 To 100, Add	313.61	
For >500 To 1,000, Deduct	-116.41	
For >1,000 To 2,000, Deduct	-176.30	
For >2,000 To 5,000, Deduct	-288.81	
For >5,000, Deduct	-479.11	
33 01 30 72-0187 LF 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,452.16	
For Vinyl Ester Resin, Add	1,614.30	
For Epoxy Resin, Add	190.26	
For Up To >10, Add	1,591.13	
For >10 To 25, Add	941.59	
For >25 To 50, Add	680.26	
For >50 To 100, Add	340.13	
For >500 To 1,000, Deduct	-126.26	
For >1,000 To 2,000, Deduct	-191.21	
For >2,000 To 5,000, Deduct	-313.24	
For >5,000, Deduct	-519.64	
33 01 30 72-0188 LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,643.40	
For Vinyl Ester Resin, Add	1,740.19	
For Epoxy Resin, Add	205.09	
For Up To >10, Add	1,715.23	
For >10 To 25, Add	1,015.02	
For >25 To 50, Add	733.31	
For >50 To 100, Add	366.66	
For >500 To 1,000, Deduct	-136.11	
For >1,000 To 2,000, Deduct	-206.13	
For >2,000 To 5,000, Deduct	-337.67	
For >5,000, Deduct	-560.16	
33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0190 LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	766.86	
For Vinyl Ester Resin, Add	506.70	
For Epoxy Resin, Add	59.72	
For Up To >10, Add	490.96	
For >10 To 25, Add	288.49	
For >25 To 50, Add	209.29	
For >50 To 100, Add	104.64	
For >500 To 1,000, Deduct	-39.42	
For >1,000 To 2,000, Deduct	-59.67	
For >2,000 To 5,000, Deduct	-97.61	
For >5,000, Deduct	-161.97	
33 01 30 72-0191 LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	867.54	
For Vinyl Ester Resin, Add	573.14	
For Epoxy Resin, Add	67.55	
For Up To >10, Add	555.70	
For >10 To 25, Add	326.62	
For >25 To 50, Add	236.91	
For >50 To 100, Add	118.45	
For >500 To 1,000, Deduct	-44.60	
For >1,000 To 2,000, Deduct	-67.50	
For >2,000 To 5,000, Deduct	-110.44	
For >5,000, Deduct	-183.26	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30	72-0192	LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	968.08	
			For Vinlyester Resin, Add	639.58	
			For Epoxy Resin, Add	75.38	
			For Up To >10, Add	620.02	
			For >10 To 25, Add	364.40	
			For >25 To 50, Add	264.32	
			For >50 To 100, Add	132.16	
			For >500 To 1,000, Deduct	-49.76	
			For >1,000 To 2,000, Deduct	-75.33	
			For >2,000 To 5,000, Deduct	-123.24	
			For >5,000, Deduct	-204.49	
33 01	30	72-0193	LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,225.27	
			For Vinlyester Resin, Add	811.75	
			For Epoxy Resin, Add	95.67	
			For Up To >10, Add	776.71	
			For >10 To 25, Add	453.99	
			For >25 To 50, Add	330.37	
			For >50 To 100, Add	165.19	
			For >500 To 1,000, Deduct	-62.90	
			For >1,000 To 2,000, Deduct	-95.18	
			For >2,000 To 5,000, Deduct	-155.56	
			For >5,000, Deduct	-258.18	
33 01	30	72-0194	LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,370.38	
			For Vinlyester Resin, Add	905.35	
			For Epoxy Resin, Add	106.70	
			For Up To >10, Add	877.74	
			For >10 To 25, Add	515.89	
			For >25 To 50, Add	374.20	
			For >50 To 100, Add	187.10	
			For >500 To 1,000, Deduct	-70.44	
			For >1,000 To 2,000, Deduct	-106.63	
			For >2,000 To 5,000, Deduct	-174.46	
			For >5,000, Deduct	-289.48	
33 01	30	72-0195	LF 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,571.46	
			For Vinlyester Resin, Add	1,038.24	
			For Epoxy Resin, Add	122.36	
			For Up To >10, Add	1,006.38	
			For >10 To 25, Add	591.45	
			For >25 To 50, Add	429.03	
			For >50 To 100, Add	214.52	
			For >500 To 1,000, Deduct	-80.78	
			For >1,000 To 2,000, Deduct	-122.27	
			For >2,000 To 5,000, Deduct	-200.05	
			For >5,000, Deduct	-331.94	
33 01	30	72-0196	LF 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,772.55	
			For Vinlyester Resin, Add	1,171.13	
			For Epoxy Resin, Add	138.03	
			For Up To >10, Add	1,135.05	
			For >10 To 25, Add	667.04	
			For >25 To 50, Add	483.87	
			For >50 To 100, Add	241.94	
			For >500 To 1,000, Deduct	-91.12	
			For >1,000 To 2,000, Deduct	-137.92	
			For >2,000 To 5,000, Deduct	-225.64	
			For >5,000, Deduct	-374.41	
33 01	30	72-0197	LF 28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,973.63	
			For Vinlyester Resin, Add	1,304.02	
			For Epoxy Resin, Add	153.69	
			For Up To >10, Add	1,263.69	
			For >10 To 25, Add	742.60	
			For >25 To 50, Add	538.70	
			For >50 To 100, Add	269.35	
			For >500 To 1,000, Deduct	-101.45	
			For >1,000 To 2,000, Deduct	-153.56	
			For >2,000 To 5,000, Deduct	-251.23	
			For >5,000, Deduct	-416.88	
33 01	30	72-0198	LF 28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,180.90	
			For Vinlyester Resin, Add	1,436.90	
			For Epoxy Resin, Add	169.35	
			For Up To >10, Add	1,410.90	
			For >10 To 25, Add	833.63	
			For >25 To 50, Add	602.81	
			For >50 To 100, Add	301.41	
			For >500 To 1,000, Deduct	-112.25	
			For >1,000 To 2,000, Deduct	-169.98	
			For >2,000 To 5,000, Deduct	-278.37	
			For >5,000, Deduct	-461.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0199 LF 28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,382.53	
For Vinlyester Resin, Add	1,569.79	
For Epoxy Resin, Add	185.01	
For Up To >10, Add	1,541.22	
For >10 To 25, Add	910.59	
For >25 To 50, Add	658.48	
For >50 To 100, Add	329.24	
For >500 To 1,000, Deduct	-122.63	
For >1,000 To 2,000, Deduct	-185.69	
For >2,000 To 5,000, Deduct	-304.10	
For >5,000, Deduct	-504.50	
33 01 30 72-0200 LF 28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,584.32	
For Vinlyester Resin, Add	1,702.67	
For Epoxy Resin, Add	200.67	
For Up To >10, Add	1,671.99	
For >10 To 25, Add	987.92	
For >25 To 50, Add	714.37	
For >50 To 100, Add	357.19	
For >500 To 1,000, Deduct	-133.01	
For >1,000 To 2,000, Deduct	-201.42	
For >2,000 To 5,000, Deduct	-329.87	
For >5,000, Deduct	-547.25	
33 01 30 72-0201 LF 28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,785.97	
For Vinlyester Resin, Add	1,835.56	
For Epoxy Resin, Add	216.33	
For Up To >10, Add	1,802.34	
For >10 To 25, Add	1,064.91	
For >25 To 50, Add	770.06	
For >50 To 100, Add	385.03	
For >500 To 1,000, Deduct	-143.39	
For >1,000 To 2,000, Deduct	-217.13	
For >2,000 To 5,000, Deduct	-355.60	
For >5,000, Deduct	-589.94	
33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0203 LF 30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	804.53	
For Vinlyester Resin, Add	531.99	
For Epoxy Resin, Add	62.70	
For Up To >10, Add	513.64	
For >10 To 25, Add	301.37	
For >25 To 50, Add	218.82	
For >50 To 100, Add	109.41	
For >500 To 1,000, Deduct	-41.34	
For >1,000 To 2,000, Deduct	-62.57	
For >2,000 To 5,000, Deduct	-102.34	
For >5,000, Deduct	-169.82	
33 01 30 72-0204 LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	910.36	
For Vinlyester Resin, Add	601.93	
For Epoxy Resin, Add	70.94	
For Up To >10, Add	581.33	
For >10 To 25, Add	341.13	
For >25 To 50, Add	247.67	
For >50 To 100, Add	123.84	
For >500 To 1,000, Deduct	-46.78	
For >1,000 To 2,000, Deduct	-70.80	
For >2,000 To 5,000, Deduct	-115.80	
For >5,000, Deduct	-192.16	
33 01 30 72-0205 LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,016.17	
For Vinlyester Resin, Add	671.87	
For Epoxy Resin, Add	79.18	
For Up To >10, Add	648.99	
For >10 To 25, Add	380.85	
For >25 To 50, Add	276.50	
For >50 To 100, Add	138.25	
For >500 To 1,000, Deduct	-52.22	
For >1,000 To 2,000, Deduct	-79.03	
For >2,000 To 5,000, Deduct	-129.27	
For >5,000, Deduct	-214.51	
33 01 30 72-0206 LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,227.66	
For Vinlyester Resin, Add	811.75	
For Epoxy Resin, Add	95.67	
For Up To >10, Add	783.88	
For >10 To 25, Add	459.96	
For >25 To 50, Add	333.96	
For >50 To 100, Add	166.98	
For >500 To 1,000, Deduct	-63.08	
For >1,000 To 2,000, Deduct	-95.48	
For >2,000 To 5,000, Deduct	-156.16	
For >5,000, Deduct	-259.14	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0207 LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,439.29	
For Vinlyester Resin, Add	951.63	
For Epoxy Resin, Add	112.16	
For Up To >10, Add	919.20	
For >10 To 25, Add	539.42	
For >25 To 50, Add	391.62	
For >50 To 100, Add	195.81	
For >500 To 1,000, Deduct	-73.96	
For >1,000 To 2,000, Deduct	-111.94	
For >2,000 To 5,000, Deduct	-183.09	
For >5,000, Deduct	-303.82	
33 01 30 72-0208 LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,850.79	
For Vinlyester Resin, Add	1,091.51	
For Epoxy Resin, Add	128.64	
For Up To >10, Add	1,054.12	
For >10 To 25, Add	618.55	
For >25 To 50, Add	449.10	
For >50 To 100, Add	224.55	
For >500 To 1,000, Deduct	-84.83	
For >1,000 To 2,000, Deduct	-128.38	
For >2,000 To 5,000, Deduct	-209.99	
For >5,000, Deduct	-348.46	
33 01 30 72-0209 LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,862.43	
For Vinlyester Resin, Add	1,231.39	
For Epoxy Resin, Add	145.13	
For Up To >10, Add	1,189.47	
For >10 To 25, Add	698.03	
For >25 To 50, Add	506.78	
For >50 To 100, Add	253.39	
For >500 To 1,000, Deduct	-95.70	
For >1,000 To 2,000, Deduct	-144.85	
For >2,000 To 5,000, Deduct	-236.92	
For >5,000, Deduct	-393.15	
33 01 30 72-0210 LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,073.92	
For Vinlyester Resin, Add	1,371.27	
For Epoxy Resin, Add	161.61	
For Up To >10, Add	1,324.36	
For >10 To 25, Add	777.14	
For >25 To 50, Add	564.23	
For >50 To 100, Add	282.12	
For >500 To 1,000, Deduct	-106.57	
For >1,000 To 2,000, Deduct	-161.29	
For >2,000 To 5,000, Deduct	-263.82	
For >5,000, Deduct	-437.78	
33 01 30 72-0211 LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,291.88	
For Vinlyester Resin, Add	1,511.15	
For Epoxy Resin, Add	178.10	
For Up To >10, Add	1,478.67	
For >10 To 25, Add	872.42	
For >25 To 50, Add	631.39	
For >50 To 100, Add	315.70	
For >500 To 1,000, Deduct	-117.92	
For >1,000 To 2,000, Deduct	-178.55	
For >2,000 To 5,000, Deduct	-292.33	
For >5,000, Deduct	-484.99	
33 01 30 72-0212 LF 30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,503.94	
For Vinlyester Resin, Add	1,651.03	
For Epoxy Resin, Add	194.59	
For Up To >10, Add	1,615.27	
For >10 To 25, Add	952.96	
For >25 To 50, Add	689.70	
For >50 To 100, Add	344.85	
For >500 To 1,000, Deduct	-128.83	
For >1,000 To 2,000, Deduct	-195.06	
For >2,000 To 5,000, Deduct	-319.36	
For >5,000, Deduct	-529.85	
33 01 30 72-0213 LF 30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,716.13	
For Vinlyester Resin, Add	1,790.91	
For Epoxy Resin, Add	211.07	
For Up To >10, Add	1,752.29	
For >10 To 25, Add	1,033.84	
For >25 To 50, Add	748.22	
For >50 To 100, Add	374.11	
For >500 To 1,000, Deduct	-139.75	
For >1,000 To 2,000, Deduct	-211.59	
For >2,000 To 5,000, Deduct	-346.44	
For >5,000, Deduct	-574.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0214 LF 30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,928.33	
<i>For Vinlyester Resin, Add</i>	1,930.79	
<i>For Epoxy Resin, Add</i>	227.56	
<i>For Up To >10, Add</i>	1,889.32	
<i>For >10 To 25, Add</i>	1,114.72	
<i>For >25 To 50, Add</i>	806.74	
<i>For >50 To 100, Add</i>	403.37	
<i>For >500 To 1,000, Deduct</i>	-150.67	
<i>For >1,000 To 2,000, Deduct</i>	-228.13	
<i>For >2,000 To 5,000, Deduct</i>	-373.51	
<i>For >5,000, Deduct</i>	-619.68	
33 01 30 72-0215 LF 30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,140.38	
<i>For Vinlyester Resin, Add</i>	2,070.67	
<i>For Epoxy Resin, Add</i>	244.04	
<i>For Up To >10, Add</i>	2,025.89	
<i>For >10 To 25, Add</i>	1,195.23	
<i>For >25 To 50, Add</i>	865.04	
<i>For >50 To 100, Add</i>	432.52	
<i>For >500 To 1,000, Deduct</i>	-161.58	
<i>For >1,000 To 2,000, Deduct</i>	-244.64	
<i>For >2,000 To 5,000, Deduct</i>	-400.54	
<i>For >5,000, Deduct</i>	-664.53	
33 01 30 72-0216 LF 30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,352.58	
<i>For Vinlyester Resin, Add</i>	2,210.55	
<i>For Epoxy Resin, Add</i>	260.53	
<i>For Up To >10, Add</i>	2,162.92	
<i>For >10 To 25, Add</i>	1,276.11	
<i>For >25 To 50, Add</i>	923.56	
<i>For >50 To 100, Add</i>	461.78	
<i>For >500 To 1,000, Deduct</i>	-172.50	
<i>For >1,000 To 2,000, Deduct</i>	-261.18	
<i>For >2,000 To 5,000, Deduct</i>	-427.61	
<i>For >5,000, Deduct</i>	-709.45	
33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0218 LF 31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	842.02	
<i>For Vinlyester Resin, Add</i>	557.14	
<i>For Epoxy Resin, Add</i>	65.66	
<i>For Up To >10, Add</i>	536.26	
<i>For >10 To 25, Add</i>	314.23	
<i>For >25 To 50, Add</i>	228.33	
<i>For >50 To 100, Add</i>	114.17	
<i>For >500 To 1,000, Deduct</i>	-43.25	
<i>For >1,000 To 2,000, Deduct</i>	-65.46	
<i>For >2,000 To 5,000, Deduct</i>	-107.04	
<i>For >5,000, Deduct</i>	-177.62	
33 01 30 72-0219 LF 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	952.97	
<i>For Vinlyester Resin, Add</i>	630.58	
<i>For Epoxy Resin, Add</i>	74.32	
<i>For Up To >10, Add</i>	606.84	
<i>For >10 To 25, Add</i>	355.56	
<i>For >25 To 50, Add</i>	258.38	
<i>For >50 To 100, Add</i>	129.19	
<i>For >500 To 1,000, Deduct</i>	-48.95	
<i>For >1,000 To 2,000, Deduct</i>	-74.08	
<i>For >2,000 To 5,000, Deduct</i>	-121.13	
<i>For >5,000, Deduct</i>	-201.02	
33 01 30 72-0220 LF 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,063.91	
<i>For Vinlyester Resin, Add</i>	704.01	
<i>For Epoxy Resin, Add</i>	82.97	
<i>For Up To >10, Add</i>	677.41	
<i>For >10 To 25, Add</i>	396.88	
<i>For >25 To 50, Add</i>	288.42	
<i>For >50 To 100, Add</i>	144.21	
<i>For >500 To 1,000, Deduct</i>	-54.65	
<i>For >1,000 To 2,000, Deduct</i>	-82.70	
<i>For >2,000 To 5,000, Deduct</i>	-135.23	
<i>For >5,000, Deduct</i>	-224.42	
33 01 30 72-0221 LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,285.97	
<i>For Vinlyester Resin, Add</i>	850.89	
<i>For Epoxy Resin, Add</i>	100.28	
<i>For Up To >10, Add</i>	819.01	
<i>For >10 To 25, Add</i>	479.92	
<i>For >25 To 50, Add</i>	348.73	
<i>For >50 To 100, Add</i>	174.36	
<i>For >500 To 1,000, Deduct</i>	-66.06	
<i>For >1,000 To 2,000, Deduct</i>	-99.97	
<i>For >2,000 To 5,000, Deduct</i>	-163.47	
<i>For >5,000, Deduct</i>	-271.28	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0222 LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,507.88	
For Vinlyester Resin, Add	997.77	
For Epoxy Resin, Add	117.59	
For Up To >10, Add	960.19	
For >10 To 25, Add	562.60	
For >25 To 50, Add	408.83	
For >50 To 100, Add	204.41	
For >500 To 1,000, Deduct	-77.46	
For >1,000 To 2,000, Deduct	-117.22	
For >2,000 To 5,000, Deduct	-191.67	
For >5,000, Deduct	-318.08	
33 01 30 72-0223 LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,729.93	
For Vinlyester Resin, Add	1,144.64	
For Epoxy Resin, Add	134.90	
For Up To >10, Add	1,101.79	
For >10 To 25, Add	645.63	
For >25 To 50, Add	469.14	
For >50 To 100, Add	234.57	
For >500 To 1,000, Deduct	-88.86	
For >1,000 To 2,000, Deduct	-134.48	
For >2,000 To 5,000, Deduct	-219.91	
For >5,000, Deduct	-364.93	
33 01 30 72-0224 LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,951.83	
For Vinlyester Resin, Add	1,291.51	
For Epoxy Resin, Add	152.21	
For Up To >10, Add	1,242.94	
For >10 To 25, Add	728.28	
For >25 To 50, Add	529.22	
For >50 To 100, Add	264.61	
For >500 To 1,000, Deduct	-100.26	
For >1,000 To 2,000, Deduct	-151.73	
For >2,000 To 5,000, Deduct	-248.10	
For >5,000, Deduct	-411.73	
33 01 30 72-0225 LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,173.74	
For Vinlyester Resin, Add	1,438.39	
For Epoxy Resin, Add	169.52	
For Up To >10, Add	1,384.12	
For >10 To 25, Add	810.96	
For >25 To 50, Add	589.32	
For >50 To 100, Add	294.66	
For >500 To 1,000, Deduct	-111.66	
For >1,000 To 2,000, Deduct	-168.98	
For >2,000 To 5,000, Deduct	-276.31	
For >5,000, Deduct	-458.53	
33 01 30 72-0226 LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,402.40	
For Vinlyester Resin, Add	1,585.26	
For Epoxy Resin, Add	186.83	
For Up To >10, Add	1,545.55	
For >10 To 25, Add	910.52	
For >25 To 50, Add	659.54	
For >50 To 100, Add	329.77	
For >500 To 1,000, Deduct	-123.56	
For >1,000 To 2,000, Deduct	-187.07	
For >2,000 To 5,000, Deduct	-306.19	
For >5,000, Deduct	-508.03	
33 01 30 72-0227 LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,642.04	
For Vinlyester Resin, Add	1,743.97	
For Epoxy Resin, Add	205.54	
For Up To >10, Add	1,697.67	
For >10 To 25, Add	999.50	
For >25 To 50, Add	724.27	
For >50 To 100, Add	362.13	
For >500 To 1,000, Deduct	-135.87	
For >1,000 To 2,000, Deduct	-205.69	
For >2,000 To 5,000, Deduct	-336.63	
For >5,000, Deduct	-558.54	
33 01 30 72-0228 LF 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,847.47	
For Vinlyester Resin, Add	1,879.01	
For Epoxy Resin, Add	221.45	
For Up To >10, Add	1,831.66	
For >10 To 25, Add	1,079.00	
For >25 To 50, Add	781.62	
For >50 To 100, Add	390.81	
For >500 To 1,000, Deduct	-146.45	
For >1,000 To 2,000, Deduct	-221.72	
For >2,000 To 5,000, Deduct	-362.91	
For >5,000, Deduct	-602.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0229 LF 31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,070.88	
For Vinlyester Resin, Add	2,025.88	
For Epoxy Resin, Add	238.76	
For Up To >10, Add	1,974.94	
For >10 To 25, Add	1,163.43	
For >25 To 50, Add	842.76	
For >50 To 100, Add	421.38	
For >500 To 1,000, Deduct	-157.90	
For >1,000 To 2,000, Deduct	-239.05	
For >2,000 To 5,000, Deduct	-391.28	
For >5,000, Deduct	-649.21	
33 01 30 72-0230 LF 31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,292.54	
For Vinlyester Resin, Add	2,172.76	
For Epoxy Resin, Add	256.08	
For Up To >10, Add	2,117.77	
For >10 To 25, Add	1,247.49	
For >25 To 50, Add	903.69	
For >50 To 100, Add	451.84	
For >500 To 1,000, Deduct	-169.34	
For >1,000 To 2,000, Deduct	-256.37	
For >2,000 To 5,000, Deduct	-419.62	
For >5,000, Deduct	-696.23	
33 01 30 72-0231 LF 31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,515.16	
For Vinlyester Resin, Add	2,319.63	
For Epoxy Resin, Add	273.39	
For Up To >10, Add	2,261.08	
For >10 To 25, Add	1,331.94	
For >25 To 50, Add	964.85	
For >50 To 100, Add	482.43	
For >500 To 1,000, Deduct	-180.79	
For >1,000 To 2,000, Deduct	-273.71	
For >2,000 To 5,000, Deduct	-448.00	
For >5,000, Deduct	-743.31	
33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0233 LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	879.16	
For Vinlyester Resin, Add	582.16	
For Epoxy Resin, Add	68.61	
For Up To >10, Add	558.33	
For >10 To 25, Add	326.67	
For >25 To 50, Add	237.58	
For >50 To 100, Add	118.79	
For >500 To 1,000, Deduct	-45.15	
For >1,000 To 2,000, Deduct	-68.31	
For >2,000 To 5,000, Deduct	-111.67	
For >5,000, Deduct	-185.33	
33 01 30 72-0234 LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	995.38	
For Vinlyester Resin, Add	659.09	
For Epoxy Resin, Add	77.68	
For Up To >10, Add	632.24	
For >10 To 25, Add	369.94	
For >25 To 50, Add	269.04	
For >50 To 100, Add	134.52	
For >500 To 1,000, Deduct	-51.11	
For >1,000 To 2,000, Deduct	-77.34	
For >2,000 To 5,000, Deduct	-126.44	
For >5,000, Deduct	-209.84	
33 01 30 72-0235 LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,111.47	
For Vinlyester Resin, Add	736.02	
For Epoxy Resin, Add	86.75	
For Up To >10, Add	705.76	
For >10 To 25, Add	412.89	
For >25 To 50, Add	300.31	
For >50 To 100, Add	150.15	
For >500 To 1,000, Deduct	-57.07	
For >1,000 To 2,000, Deduct	-86.36	
For >2,000 To 5,000, Deduct	-141.18	
For >5,000, Deduct	-234.30	
33 01 30 72-0236 LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,343.94	
For Vinlyester Resin, Add	889.90	
For Epoxy Resin, Add	104.88	
For Up To >10, Add	853.62	
For >10 To 25, Add	499.47	
For >25 To 50, Add	363.25	
For >50 To 100, Add	181.62	
For >500 To 1,000, Deduct	-69.01	
For >1,000 To 2,000, Deduct	-104.43	
For >2,000 To 5,000, Deduct	-170.72	
For >5,000, Deduct	-283.32	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0237 LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,576.26	
For Vinlyester Resin, Add	1,043.76	
For Epoxy Resin, Add	123.01	
For Up To >10, Add	1,001.06	
For >10 To 25, Add	585.70	
For >25 To 50, Add	425.97	
For >50 To 100, Add	212.99	
For >500 To 1,000, Deduct	-80.94	
For >1,000 To 2,000, Deduct	-122.48	
For >2,000 To 5,000, Deduct	-200.22	
For >5,000, Deduct	-332.29	
33 01 30 72-0238 LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,808.72	
For Vinlyester Resin, Add	1,197.63	
For Epoxy Resin, Add	141.15	
For Up To >10, Add	1,148.91	
For >10 To 25, Add	672.28	
For >25 To 50, Add	488.91	
For >50 To 100, Add	244.46	
For >500 To 1,000, Deduct	-92.88	
For >1,000 To 2,000, Deduct	-140.55	
For >2,000 To 5,000, Deduct	-229.76	
For >5,000, Deduct	-381.31	
33 01 30 72-0239 LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,041.04	
For Vinlyester Resin, Add	1,351.50	
For Epoxy Resin, Add	159.28	
For Up To >10, Add	1,296.35	
For >10 To 25, Add	758.50	
For >25 To 50, Add	551.64	
For >50 To 100, Add	275.82	
For >500 To 1,000, Deduct	-104.81	
For >1,000 To 2,000, Deduct	-158.59	
For >2,000 To 5,000, Deduct	-259.27	
For >5,000, Deduct	-430.27	
33 01 30 72-0240 LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,273.36	
For Vinlyester Resin, Add	1,505.37	
For Epoxy Resin, Add	177.42	
For Up To >10, Add	1,443.76	
For >10 To 25, Add	844.71	
For >25 To 50, Add	614.35	
For >50 To 100, Add	307.18	
For >500 To 1,000, Deduct	-116.74	
For >1,000 To 2,000, Deduct	-176.64	
For >2,000 To 5,000, Deduct	-288.77	
For >5,000, Deduct	-479.24	
33 01 30 72-0241 LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,512.57	
For Vinlyester Resin, Add	1,659.24	
For Epoxy Resin, Add	195.55	
For Up To >10, Add	1,611.86	
For >10 To 25, Add	948.16	
For >25 To 50, Add	687.41	
For >50 To 100, Add	343.71	
For >500 To 1,000, Deduct	-129.18	
For >1,000 To 2,000, Deduct	-195.55	
For >2,000 To 5,000, Deduct	-320.00	
For >5,000, Deduct	-530.96	
33 01 30 72-0242 LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,746.02	
For Vinlyester Resin, Add	1,813.11	
For Epoxy Resin, Add	213.69	
For Up To >10, Add	1,762.69	
For >10 To 25, Add	1,037.21	
For >25 To 50, Add	751.84	
For >50 To 100, Add	375.92	
For >500 To 1,000, Deduct	-141.20	
For >1,000 To 2,000, Deduct	-213.75	
For >2,000 To 5,000, Deduct	-349.79	
For >5,000, Deduct	-580.38	
33 01 30 72-0243 LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,978.47	
For Vinlyester Resin, Add	1,966.97	
For Epoxy Resin, Add	231.82	
For Up To >10, Add	1,910.51	
For >10 To 25, Add	1,123.77	
For >25 To 50, Add	814.76	
For >50 To 100, Add	407.38	
For >500 To 1,000, Deduct	-153.14	
For >1,000 To 2,000, Deduct	-231.81	
For >2,000 To 5,000, Deduct	-379.32	
For >5,000, Deduct	-629.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0244 LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,211.49	
For Vinylster Resin, Add	2,120.84	
For Epoxy Resin, Add	249.96	
For Up To >10, Add	2,060.05	
For >10 To 25, Add	1,211.74	
For >25 To 50, Add	878.53	
For >50 To 100, Add	439.27	
For >500 To 1,000, Deduct	-165.12	
For >1,000 To 2,000, Deduct	-249.95	
For >2,000 To 5,000, Deduct	-409.00	
For >5,000, Deduct	-678.64	
33 01 30 72-0245 LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,444.52	
For Vinylster Resin, Add	2,274.71	
For Epoxy Resin, Add	268.09	
For Up To >10, Add	2,209.59	
For >10 To 25, Add	1,299.72	
For >25 To 50, Add	942.31	
For >50 To 100, Add	471.16	
For >500 To 1,000, Deduct	-177.10	
For >1,000 To 2,000, Deduct	-268.09	
For >2,000 To 5,000, Deduct	-438.68	
For >5,000, Deduct	-727.89	
33 01 30 72-0246 LF 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,677.55	
For Vinylster Resin, Add	2,428.58	
For Epoxy Resin, Add	286.23	
For Up To >10, Add	2,359.15	
For >10 To 25, Add	1,387.73	
For >25 To 50, Add	1,006.11	
For >50 To 100, Add	503.05	
For >500 To 1,000, Deduct	-189.08	
For >1,000 To 2,000, Deduct	-286.22	
For >2,000 To 5,000, Deduct	-468.37	
For >5,000, Deduct	-777.14	
33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0248 LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,037.19	
For Vinylster Resin, Add	687.47	
For Epoxy Resin, Add	81.02	
For Up To >10, Add	656.32	
For >10 To 25, Add	383.25	
For >25 To 50, Add	279.06	
For >50 To 100, Add	139.53	
For >500 To 1,000, Deduct	-53.24	
For >1,000 To 2,000, Deduct	-80.54	
For >2,000 To 5,000, Deduct	-131.62	
For >5,000, Deduct	-218.46	
33 01 30 72-0249 LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,158.55	
For Vinylster Resin, Add	767.89	
For Epoxy Resin, Add	90.50	
For Up To >10, Add	733.18	
For >10 To 25, Add	428.15	
For >25 To 50, Add	311.74	
For >50 To 100, Add	155.87	
For >500 To 1,000, Deduct	-59.47	
For >1,000 To 2,000, Deduct	-89.97	
For >2,000 To 5,000, Deduct	-147.03	
For >5,000, Deduct	-244.02	
33 01 30 72-0250 LF 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,401.29	
For Vinylster Resin, Add	928.76	
For Epoxy Resin, Add	109.46	
For Up To >10, Add	886.87	
For >10 To 25, Add	517.93	
For >25 To 50, Add	377.10	
For >50 To 100, Add	188.55	
For >500 To 1,000, Deduct	-71.93	
For >1,000 To 2,000, Deduct	-108.82	
For >2,000 To 5,000, Deduct	-177.84	
For >5,000, Deduct	-295.16	
33 01 30 72-0251 LF 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,643.88	
For Vinylster Resin, Add	1,089.62	
For Epoxy Resin, Add	128.42	
For Up To >10, Add	1,040.14	
For >10 To 25, Add	607.35	
For >25 To 50, Add	442.24	
For >50 To 100, Add	221.12	
For >500 To 1,000, Deduct	-84.38	
For >1,000 To 2,000, Deduct	-127.66	
For >2,000 To 5,000, Deduct	-208.61	
For >5,000, Deduct	-346.23	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0252 LF 34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,886.62	
For Vinlyester Resin, Add	1,250.49	
For Epoxy Resin, Add	147.38	
For Up To >10, Add	1,193.84	
For >10 To 25, Add	697.13	
For >25 To 50, Add	507.60	
For >50 To 100, Add	253.80	
For >500 To 1,000, Deduct	-96.84	
For >1,000 To 2,000, Deduct	-146.51	
For >2,000 To 5,000, Deduct	-239.42	
For >5,000, Deduct	-397.37	
33 01 30 72-0253 LF 34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,129.20	
For Vinlyester Resin, Add	1,411.35	
For Epoxy Resin, Add	166.34	
For Up To >10, Add	1,347.08	
For >10 To 25, Add	786.53	
For >25 To 50, Add	572.73	
For >50 To 100, Add	286.36	
For >500 To 1,000, Deduct	-109.28	
For >1,000 To 2,000, Deduct	-165.34	
For >2,000 To 5,000, Deduct	-270.19	
For >5,000, Deduct	-448.44	
33 01 30 72-0254 LF 34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,371.94	
For Vinlyester Resin, Add	1,572.21	
For Epoxy Resin, Add	185.30	
For Up To >10, Add	1,500.77	
For >10 To 25, Add	876.31	
For >25 To 50, Add	638.08	
For >50 To 100, Add	319.04	
For >500 To 1,000, Deduct	-121.75	
For >1,000 To 2,000, Deduct	-184.19	
For >2,000 To 5,000, Deduct	-301.00	
For >5,000, Deduct	-499.57	
33 01 30 72-0255 LF 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,621.56	
For Vinlyester Resin, Add	1,733.07	
For Epoxy Resin, Add	204.26	
For Up To >10, Add	1,675.13	
For >10 To 25, Add	983.31	
For >25 To 50, Add	713.77	
For >50 To 100, Add	356.89	
For >500 To 1,000, Deduct	-134.72	
For >1,000 To 2,000, Deduct	-203.90	
For >2,000 To 5,000, Deduct	-333.53	
For >5,000, Deduct	-553.46	
33 01 30 72-0256 LF 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,865.13	
For Vinlyester Resin, Add	1,893.93	
For Epoxy Resin, Add	223.21	
For Up To >10, Add	1,831.34	
For >10 To 25, Add	1,075.18	
For >25 To 50, Add	780.39	
For >50 To 100, Add	390.19	
For >500 To 1,000, Deduct	-147.24	
For >1,000 To 2,000, Deduct	-222.86	
For >2,000 To 5,000, Deduct	-364.55	
For >5,000, Deduct	-604.93	
33 01 30 72-0257 LF 34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,105.90	
For Vinlyester Resin, Add	2,054.80	
For Epoxy Resin, Add	242.17	
For Up To >10, Add	1,979.13	
For >10 To 25, Add	1,160.03	
For >25 To 50, Add	842.79	
For >50 To 100, Add	421.40	
For >500 To 1,000, Deduct	-159.56	
For >1,000 To 2,000, Deduct	-241.47	
For >2,000 To 5,000, Deduct	-394.87	
For >5,000, Deduct	-655.27	
33 01 30 72-0258 LF 34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,351.59	
For Vinlyester Resin, Add	2,215.66	
For Epoxy Resin, Add	261.13	
For Up To >10, Add	2,141.70	
For >10 To 25, Add	1,257.21	
For >25 To 50, Add	912.59	
For >50 To 100, Add	456.29	
For >500 To 1,000, Deduct	-172.24	
For >1,000 To 2,000, Deduct	-260.69	
For >2,000 To 5,000, Deduct	-426.42	
For >5,000, Deduct	-707.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0259 LF 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,594.88	
For Vinlyester Resin, Add	2,376.52	
For Epoxy Resin, Add	280.09	
For Up To >10, Add	2,297.07	
For >10 To 25, Add	1,348.38	
For >25 To 50, Add	978.78	
For >50 To 100, Add	489.39	
For >500 To 1,000, Deduct	-184.74	
For >1,000 To 2,000, Deduct	-279.61	
For >2,000 To 5,000, Deduct	-457.37	
For >5,000, Deduct	-758.95	
33 01 30 72-0260 LF 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,838.19	
For Vinlyester Resin, Add	2,537.39	
For Epoxy Resin, Add	299.05	
For Up To >10, Add	2,452.47	
For >10 To 25, Add	1,439.59	
For >25 To 50, Add	1,044.99	
For >50 To 100, Add	522.50	
For >500 To 1,000, Deduct	-197.24	
For >1,000 To 2,000, Deduct	-298.53	
For >2,000 To 5,000, Deduct	-488.32	
For >5,000, Deduct	-810.31	
33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0262 LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,078.79	
For Vinlyester Resin, Add	715.70	
For Epoxy Resin, Add	84.35	
For Up To >10, Add	680.30	
For >10 To 25, Add	396.51	
For >25 To 50, Add	289.03	
For >50 To 100, Add	144.51	
For >500 To 1,000, Deduct	-55.35	
For >1,000 To 2,000, Deduct	-83.73	
For >2,000 To 5,000, Deduct	-136.78	
For >5,000, Deduct	-227.03	
33 01 30 72-0263 LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,205.29	
For Vinlyester Resin, Add	799.63	
For Epoxy Resin, Add	94.24	
For Up To >10, Add	760.05	
For >10 To 25, Add	442.98	
For >25 To 50, Add	322.91	
For >50 To 100, Add	161.45	
For >500 To 1,000, Deduct	-61.84	
For >1,000 To 2,000, Deduct	-93.54	
For >2,000 To 5,000, Deduct	-152.82	
For >5,000, Deduct	-253.65	
33 01 30 72-0264 LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,458.31	
For Vinlyester Resin, Add	967.49	
For Epoxy Resin, Add	114.03	
For Up To >10, Add	919.61	
For >10 To 25, Add	535.98	
For >25 To 50, Add	390.70	
For >50 To 100, Add	195.35	
For >500 To 1,000, Deduct	-74.82	
For >1,000 To 2,000, Deduct	-113.18	
For >2,000 To 5,000, Deduct	-184.90	
For >5,000, Deduct	-306.90	
33 01 30 72-0265 LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,711.30	
For Vinlyester Resin, Add	1,135.34	
For Epoxy Resin, Add	133.81	
For Up To >10, Add	1,079.10	
For >10 To 25, Add	628.93	
For >25 To 50, Add	458.45	
For >50 To 100, Add	229.23	
For >500 To 1,000, Deduct	-87.80	
For >1,000 To 2,000, Deduct	-132.82	
For >2,000 To 5,000, Deduct	-216.98	
For >5,000, Deduct	-360.14	
33 01 30 72-0266 LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,964.18	
For Vinlyester Resin, Add	1,303.20	
For Epoxy Resin, Add	153.59	
For Up To >10, Add	1,238.24	
For >10 To 25, Add	721.58	
For >25 To 50, Add	526.03	
For >50 To 100, Add	263.02	
For >500 To 1,000, Deduct	-100.77	
For >1,000 To 2,000, Deduct	-152.44	
For >2,000 To 5,000, Deduct	-249.02	
For >5,000, Deduct	-413.33	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,217.18	
			For Vinlyester Resin, Add	1,471.06	
			For Epoxy Resin, Add	173.37	
			For Up To >10, Add	1,397.77	
			For >10 To 25, Add	814.55	
			For >25 To 50, Add	593.81	
			For >50 To 100, Add	296.90	
			For >500 To 1,000, Deduct	-113.75	
			For >1,000 To 2,000, Deduct	-172.07	
			For >2,000 To 5,000, Deduct	-281.10	
			For >5,000, Deduct	-466.57	
33 01 30	72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,470.19	
			For Vinlyester Resin, Add	1,638.92	
			For Epoxy Resin, Add	193.16	
			For Up To >10, Add	1,557.30	
			For >10 To 25, Add	907.53	
			For >25 To 50, Add	661.58	
			For >50 To 100, Add	330.79	
			For >500 To 1,000, Deduct	-126.73	
			For >1,000 To 2,000, Deduct	-191.71	
			For >2,000 To 5,000, Deduct	-313.18	
			For >5,000, Deduct	-519.81	
33 01 30	72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,730.35	
			For Vinlyester Resin, Add	1,806.77	
			For Epoxy Resin, Add	212.94	
			For Up To >10, Add	1,738.30	
			For >10 To 25, Add	1,018.40	
			For >25 To 50, Add	740.10	
			For >50 To 100, Add	370.05	
			For >500 To 1,000, Deduct	-140.25	
			For >1,000 To 2,000, Deduct	-212.24	
			For >2,000 To 5,000, Deduct	-347.04	
			For >5,000, Deduct	-575.92	
33 01 30	72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,984.07	
			For Vinlyester Resin, Add	1,974.63	
			For Epoxy Resin, Add	232.72	
			For Up To >10, Add	1,899.96	
			For >10 To 25, Add	1,113.15	
			For >25 To 50, Add	808.94	
			For >50 To 100, Add	404.47	
			For >500 To 1,000, Deduct	-153.28	
			For >1,000 To 2,000, Deduct	-231.96	
			For >2,000 To 5,000, Deduct	-379.30	
			For >5,000, Deduct	-629.45	
33 01 30	72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,233.00	
			For Vinlyester Resin, Add	2,142.48	
			For Epoxy Resin, Add	252.51	
			For Up To >10, Add	2,047.28	
			For >10 To 25, Add	1,195.95	
			For >25 To 50, Add	870.60	
			For >50 To 100, Add	435.30	
			For >500 To 1,000, Deduct	-165.96	
			For >1,000 To 2,000, Deduct	-251.09	
			For >2,000 To 5,000, Deduct	-410.36	
			For >5,000, Deduct	-681.06	
33 01 30	72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,491.35	
			For Vinlyester Resin, Add	2,310.34	
			For Epoxy Resin, Add	272.29	
			For Up To >10, Add	2,222.83	
			For >10 To 25, Add	1,302.27	
			For >25 To 50, Add	946.39	
			For >50 To 100, Add	473.19	
			For >500 To 1,000, Deduct	-179.34	
			For >1,000 To 2,000, Deduct	-271.39	
			For >2,000 To 5,000, Deduct	-443.77	
			For >5,000, Deduct	-736.44	
33 01 30	72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,745.05	
			For Vinlyester Resin, Add	2,478.20	
			For Epoxy Resin, Add	292.07	
			For Up To >10, Add	2,384.45	
			For >10 To 25, Add	1,397.00	
			For >25 To 50, Add	1,015.21	
			For >50 To 100, Add	507.61	
			For >500 To 1,000, Deduct	-192.37	
			For >1,000 To 2,000, Deduct	-291.12	
			For >2,000 To 5,000, Deduct	-476.03	
			For >5,000, Deduct	-789.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0274 LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,998.76	
For Vinlyester Resin, Add	2,646.06	
For Epoxy Resin, Add	311.86	
For Up To >10, Add	2,546.08	
For >10 To 25, Add	1,491.72	
For >25 To 50, Add	1,084.04	
For >50 To 100, Add	542.02	
For >500 To 1,000, Deduct	-205.41	
For >1,000 To 2,000, Deduct	-310.84	
For >2,000 To 5,000, Deduct	-508.28	
For >5,000, Deduct	-843.49	
33 01 30 72-0275 LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,252.33	
For Vinlyester Resin, Add	2,813.91	
For Epoxy Resin, Add	331.64	
For Up To >10, Add	2,707.32	
For >10 To 25, Add	1,586.12	
For >25 To 50, Add	1,152.66	
For >50 To 100, Add	576.33	
For >500 To 1,000, Deduct	-218.43	
For >1,000 To 2,000, Deduct	-330.55	
For >2,000 To 5,000, Deduct	-540.50	
For >5,000, Deduct	-896.96	
33 01 30 72-0276 LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,506.04	
For Vinlyester Resin, Add	2,981.77	
For Epoxy Resin, Add	351.42	
For Up To >10, Add	2,868.95	
For >10 To 25, Add	1,680.84	
For >25 To 50, Add	1,221.49	
For >50 To 100, Add	610.74	
For >500 To 1,000, Deduct	-231.46	
For >1,000 To 2,000, Deduct	-350.27	
For >2,000 To 5,000, Deduct	-572.75	
For >5,000, Deduct	-950.48	
33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0278 LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,251.70	
For Vinlyester Resin, Add	831.23	
For Epoxy Resin, Add	97.97	
For Up To >10, Add	786.43	
For >10 To 25, Add	457.44	
For >25 To 50, Add	333.84	
For >50 To 100, Add	166.92	
For >500 To 1,000, Deduct	-64.19	
For >1,000 To 2,000, Deduct	-97.09	
For >2,000 To 5,000, Deduct	-158.55	
For >5,000, Deduct	-263.19	
33 01 30 72-0279 LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,514.98	
For Vinlyester Resin, Add	1,006.08	
For Epoxy Resin, Add	118.57	
For Up To >10, Add	951.79	
For >10 To 25, Add	553.62	
For >25 To 50, Add	404.03	
For >50 To 100, Add	202.02	
For >500 To 1,000, Deduct	-77.69	
For >1,000 To 2,000, Deduct	-117.51	
For >2,000 To 5,000, Deduct	-191.90	
For >5,000, Deduct	-318.54	
33 01 30 72-0280 LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,778.26	
For Vinlyester Resin, Add	1,180.93	
For Epoxy Resin, Add	139.18	
For Up To >10, Add	1,117.18	
For >10 To 25, Add	649.81	
For >25 To 50, Add	474.24	
For >50 To 100, Add	237.12	
For >500 To 1,000, Deduct	-91.19	
For >1,000 To 2,000, Deduct	-137.93	
For >2,000 To 5,000, Deduct	-225.25	
For >5,000, Deduct	-373.90	
33 01 30 72-0281 LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,041.53	
For Vinlyester Resin, Add	1,355.78	
For Epoxy Resin, Add	159.79	
For Up To >10, Add	1,282.52	
For >10 To 25, Add	745.96	
For >25 To 50, Add	544.42	
For >50 To 100, Add	272.21	
For >500 To 1,000, Deduct	-104.69	
For >1,000 To 2,000, Deduct	-158.35	
For >2,000 To 5,000, Deduct	-258.59	
For >5,000, Deduct	-429.25	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0282 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,304.82	
For Vinlyester Resin, Add	1,530.63	
For Epoxy Resin, Add	180.40	
For Up To >10, Add	1,447.91	
For >10 To 25, Add	842.16	
For >25 To 50, Add	614.62	
For >50 To 100, Add	307.31	
For >500 To 1,000, Deduct	-118.20	
For >1,000 To 2,000, Deduct	-178.77	
For >2,000 To 5,000, Deduct	-291.94	
For >5,000, Deduct	-484.60	
33 01 30 72-0283 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,568.10	
For Vinlyester Resin, Add	1,705.49	
For Epoxy Resin, Add	201.00	
For Up To >10, Add	1,613.28	
For >10 To 25, Add	938.33	
For >25 To 50, Add	684.82	
For >50 To 100, Add	342.41	
For >500 To 1,000, Deduct	-131.70	
For >1,000 To 2,000, Deduct	-199.19	
For >2,000 To 5,000, Deduct	-325.29	
For >5,000, Deduct	-539.96	
33 01 30 72-0284 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,838.68	
For Vinlyester Resin, Add	1,880.33	
For Epoxy Resin, Add	221.61	
For Up To >10, Add	1,800.57	
For >10 To 25, Add	1,052.77	
For >25 To 50, Add	765.97	
For >50 To 100, Add	382.99	
For >500 To 1,000, Deduct	-145.75	
For >1,000 To 2,000, Deduct	-220.53	
For >2,000 To 5,000, Deduct	-360.47	
For >5,000, Deduct	-598.23	
33 01 30 72-0285 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,102.65	
For Vinlyester Resin, Add	2,055.18	
For Epoxy Resin, Add	242.22	
For Up To >10, Add	1,968.03	
For >10 To 25, Add	1,150.69	
For >25 To 50, Add	837.21	
For >50 To 100, Add	418.61	
For >500 To 1,000, Deduct	-159.30	
For >1,000 To 2,000, Deduct	-241.03	
For >2,000 To 5,000, Deduct	-393.99	
For >5,000, Deduct	-653.87	
33 01 30 72-0286 LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,364.25	
For Vinlyester Resin, Add	2,230.03	
For Epoxy Resin, Add	262.83	
For Up To >10, Add	2,128.35	
For >10 To 25, Add	1,242.67	
For >25 To 50, Add	904.89	
For >50 To 100, Add	452.44	
For >500 To 1,000, Deduct	-172.67	
For >1,000 To 2,000, Deduct	-261.24	
For >2,000 To 5,000, Deduct	-426.91	
For >5,000, Deduct	-708.55	
33 01 30 72-0287 LF 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,630.62	
For Vinlyester Resin, Add	2,404.89	
For Epoxy Resin, Add	283.43	
For Up To >10, Add	2,302.99	
For >10 To 25, Add	1,346.56	
For >25 To 50, Add	979.72	
For >50 To 100, Add	489.86	
For >500 To 1,000, Deduct	-186.41	
For >1,000 To 2,000, Deduct	-282.05	
For >2,000 To 5,000, Deduct	-461.03	
For >5,000, Deduct	-765.14	
33 01 30 72-0288 LF 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,894.61	
For Vinlyester Resin, Add	2,579.74	
For Epoxy Resin, Add	304.04	
For Up To >10, Add	2,470.48	
For >10 To 25, Add	1,444.51	
For >25 To 50, Add	1,050.97	
For >50 To 100, Add	525.49	
For >500 To 1,000, Deduct	-199.96	
For >1,000 To 2,000, Deduct	-302.56	
For >2,000 To 5,000, Deduct	-494.56	
For >5,000, Deduct	-820.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0289 LF 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,158.44	
For Vinlyester Resin, Add	2,754.58	
For Epoxy Resin, Add	324.65	
For Up To >10, Add	2,637.52	
For >10 To 25, Add	1,542.08	
For >25 To 50, Add	1,122.00	
For >50 To 100, Add	561.00	
For >500 To 1,000, Deduct	-213.51	
For >1,000 To 2,000, Deduct	-323.05	
For >2,000 To 5,000, Deduct	-528.04	
For >5,000, Deduct	-876.35	
33 01 30 72-0290 LF 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,422.42	
For Vinlyester Resin, Add	2,929.44	
For Epoxy Resin, Add	345.26	
For Up To >10, Add	2,804.99	
For >10 To 25, Add	1,640.00	
For >25 To 50, Add	1,193.25	
For >50 To 100, Add	596.62	
For >500 To 1,000, Deduct	-227.06	
For >1,000 To 2,000, Deduct	-343.56	
For >2,000 To 5,000, Deduct	-561.57	
For >5,000, Deduct	-931.99	
33 01 30 72-0291 LF 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,686.41	
For Vinlyester Resin, Add	3,104.29	
For Epoxy Resin, Add	365.86	
For Up To >10, Add	2,972.48	
For >10 To 25, Add	1,737.95	
For >25 To 50, Add	1,264.51	
For >50 To 100, Add	632.25	
For >500 To 1,000, Deduct	-240.61	
For >1,000 To 2,000, Deduct	-364.07	
For >2,000 To 5,000, Deduct	-595.09	
For >5,000, Deduct	-987.62	
33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0293 LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,571.46	
For Vinlyester Resin, Add	1,044.53	
For Epoxy Resin, Add	123.11	
For Up To >10, Add	983.91	
For >10 To 25, Add	571.22	
For >25 To 50, Add	417.34	
For >50 To 100, Add	208.67	
For >500 To 1,000, Deduct	-80.55	
For >1,000 To 2,000, Deduct	-121.82	
For >2,000 To 5,000, Deduct	-198.88	
For >5,000, Deduct	-330.15	
33 01 30 72-0294 LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,845.01	
For Vinlyester Resin, Add	1,226.38	
For Epoxy Resin, Add	144.54	
For Up To >10, Add	1,155.11	
For >10 To 25, Add	670.59	
For >25 To 50, Add	489.95	
For >50 To 100, Add	244.98	
For >500 To 1,000, Deduct	-94.58	
For >1,000 To 2,000, Deduct	-143.03	
For >2,000 To 5,000, Deduct	-233.50	
For >5,000, Deduct	-387.61	
33 01 30 72-0295 LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,118.56	
For Vinlyester Resin, Add	1,408.23	
For Epoxy Resin, Add	165.97	
For Up To >10, Add	1,326.31	
For >10 To 25, Add	769.96	
For >25 To 50, Add	562.57	
For >50 To 100, Add	281.28	
For >500 To 1,000, Deduct	-108.60	
For >1,000 To 2,000, Deduct	-164.23	
For >2,000 To 5,000, Deduct	-268.11	
For >5,000, Deduct	-445.07	
33 01 30 72-0296 LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,392.11	
For Vinlyester Resin, Add	1,590.06	
For Epoxy Resin, Add	187.40	
For Up To >10, Add	1,497.53	
For >10 To 25, Add	869.36	
For >25 To 50, Add	635.19	
For >50 To 100, Add	317.59	
For >500 To 1,000, Deduct	-122.62	
For >1,000 To 2,000, Deduct	-185.44	
For >2,000 To 5,000, Deduct	-302.73	
For >5,000, Deduct	-502.54	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0297 LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,665.80	
For Vinlyester Resin, Add	1,771.91	
For Epoxy Resin, Add	208.83	
For Up To >10, Add	1,669.15	
For >10 To 25, Add	969.08	
For >25 To 50, Add	708.01	
For >50 To 100, Add	354.01	
For >500 To 1,000, Deduct	-136.65	
For >1,000 To 2,000, Deduct	-206.66	
For >2,000 To 5,000, Deduct	-337.38	
For >5,000, Deduct	-560.06	
33 01 30 72-0298 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,946.66	
For Vinlyester Resin, Add	1,953.76	
For Epoxy Resin, Add	230.26	
For Up To >10, Add	1,862.28	
For >10 To 25, Add	1,086.72	
For >25 To 50, Add	791.59	
For >50 To 100, Add	395.79	
For >500 To 1,000, Deduct	-151.22	
For >1,000 To 2,000, Deduct	-228.78	
For >2,000 To 5,000, Deduct	-373.82	
For >5,000, Deduct	-620.45	
33 01 30 72-0299 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,220.92	
For Vinlyester Resin, Add	2,135.60	
For Epoxy Resin, Add	251.70	
For Up To >10, Add	2,035.61	
For >10 To 25, Add	1,187.87	
For >25 To 50, Add	865.26	
For >50 To 100, Add	432.63	
For >500 To 1,000, Deduct	-165.30	
For >1,000 To 2,000, Deduct	-250.07	
For >2,000 To 5,000, Deduct	-408.62	
For >5,000, Deduct	-678.20	
33 01 30 72-0300 LF 39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,495.17	
For Vinlyester Resin, Add	2,317.45	
For Epoxy Resin, Add	273.13	
For Up To >10, Add	2,208.91	
For >10 To 25, Add	1,288.99	
For >25 To 50, Add	938.92	
For >50 To 100, Add	469.46	
For >500 To 1,000, Deduct	-179.37	
For >1,000 To 2,000, Deduct	-271.36	
For >2,000 To 5,000, Deduct	-443.41	
For >5,000, Deduct	-735.94	
33 01 30 72-0301 LF 39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,769.56	
For Vinlyester Resin, Add	2,499.29	
For Epoxy Resin, Add	294.56	
For Up To >10, Add	2,382.66	
For >10 To 25, Add	1,390.48	
For >25 To 50, Add	1,012.81	
For >50 To 100, Add	506.40	
For >500 To 1,000, Deduct	-193.46	
For >1,000 To 2,000, Deduct	-292.67	
For >2,000 To 5,000, Deduct	-478.24	
For >5,000, Deduct	-793.74	
33 01 30 72-0302 LF 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,043.82	
For Vinlyester Resin, Add	2,681.13	
For Epoxy Resin, Add	315.99	
For Up To >10, Add	2,555.99	
For >10 To 25, Add	1,491.62	
For >25 To 50, Add	1,086.48	
For >50 To 100, Add	543.24	
For >500 To 1,000, Deduct	-207.53	
For >1,000 To 2,000, Deduct	-313.97	
For >2,000 To 5,000, Deduct	-513.03	
For >5,000, Deduct	-851.49	
33 01 30 72-0303 LF 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,318.07	
For Vinlyester Resin, Add	2,862.98	
For Epoxy Resin, Add	337.42	
For Up To >10, Add	2,729.29	
For >10 To 25, Add	1,592.74	
For >25 To 50, Add	1,160.14	
For >50 To 100, Add	580.07	
For >500 To 1,000, Deduct	-221.61	
For >1,000 To 2,000, Deduct	-335.26	
For >2,000 To 5,000, Deduct	-547.82	
For >5,000, Deduct	-909.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0304 LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,592.32	
For Vinlyester Resin, Add	3,044.83	
For Epoxy Resin, Add	358.85	
For Up To >10, Add	2,902.59	
For >10 To 25, Add	1,693.86	
For >25 To 50, Add	1,233.81	
For >50 To 100, Add	616.90	
For >500 To 1,000, Deduct	-235.68	
For >1,000 To 2,000, Deduct	-356.55	
For >2,000 To 5,000, Deduct	-582.61	
For >5,000, Deduct	-966.98	
33 01 30 72-0305 LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,866.59	
For Vinlyester Resin, Add	3,226.67	
For Epoxy Resin, Add	380.29	
For Up To >10, Add	3,075.95	
For >10 To 25, Add	1,795.03	
For >25 To 50, Add	1,307.50	
For >50 To 100, Add	653.75	
For >500 To 1,000, Deduct	-249.76	
For >1,000 To 2,000, Deduct	-377.85	
For >2,000 To 5,000, Deduct	-617.41	
For >5,000, Deduct	-1,024.73	
33 01 30 72-0306 LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,140.83	
For Vinlyester Resin, Add	3,408.51	
For Epoxy Resin, Add	401.72	
For Up To >10, Add	3,249.24	
For >10 To 25, Add	1,896.15	
For >25 To 50, Add	1,381.16	
For >50 To 100, Add	690.58	
For >500 To 1,000, Deduct	-263.83	
For >1,000 To 2,000, Deduct	-399.14	
For >2,000 To 5,000, Deduct	-652.20	
For >5,000, Deduct	-1,082.47	
33 01 30 72-0307 LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,415.08	
For Vinlyester Resin, Add	3,590.36	
For Epoxy Resin, Add	423.15	
For Up To >10, Add	3,422.54	
For >10 To 25, Add	1,997.27	
For >25 To 50, Add	1,454.82	
For >50 To 100, Add	727.41	
For >500 To 1,000, Deduct	-277.90	
For >1,000 To 2,000, Deduct	-420.43	
For >2,000 To 5,000, Deduct	-686.99	
For >5,000, Deduct	-1,140.22	
33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0309 LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,911.43	
For Vinlyester Resin, Add	1,271.69	
For Epoxy Resin, Add	149.88	
For Up To >10, Add	1,192.54	
For >10 To 25, Add	691.00	
For >25 To 50, Add	505.44	
For >50 To 100, Add	252.72	
For >500 To 1,000, Deduct	-97.94	
For >1,000 To 2,000, Deduct	-148.09	
For >2,000 To 5,000, Deduct	-241.69	
For >5,000, Deduct	-401.23	
33 01 30 72-0310 LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,195.24	
For Vinlyester Resin, Add	1,460.52	
For Epoxy Resin, Add	172.13	
For Up To >10, Add	1,369.57	
For >10 To 25, Add	793.57	
For >25 To 50, Add	580.46	
For >50 To 100, Add	290.23	
For >500 To 1,000, Deduct	-112.48	
For >1,000 To 2,000, Deduct	-170.08	
For >2,000 To 5,000, Deduct	-277.57	
For >5,000, Deduct	-460.80	
33 01 30 72-0311 LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,479.07	
For Vinlyester Resin, Add	1,649.37	
For Epoxy Resin, Add	194.39	
For Up To >10, Add	1,546.61	
For >10 To 25, Add	896.14	
For >25 To 50, Add	655.49	
For >50 To 100, Add	327.75	
For >500 To 1,000, Deduct	-127.02	
For >1,000 To 2,000, Deduct	-192.07	
For >2,000 To 5,000, Deduct	-313.46	
For >5,000, Deduct	-520.38	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0312 LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,762.89	
For Vinlyester Resin, Add	1,838.20	
For Epoxy Resin, Add	216.65	
For Up To >10, Add	1,723.67	
For >10 To 25, Add	998.73	
For >25 To 50, Add	730.54	
For >50 To 100, Add	365.27	
For >500 To 1,000, Deduct	-141.57	
For >1,000 To 2,000, Deduct	-214.06	
For >2,000 To 5,000, Deduct	-349.34	
For >5,000, Deduct	-579.96	
33 01 30 72-0313 LF 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,054.31	
For Vinlyester Resin, Add	2,027.05	
For Epoxy Resin, Add	238.90	
For Up To >10, Add	1,923.48	
For >10 To 25, Add	1,120.27	
For >25 To 50, Add	816.95	
For >50 To 100, Add	408.48	
For >500 To 1,000, Deduct	-156.68	
For >1,000 To 2,000, Deduct	-237.00	
For >2,000 To 5,000, Deduct	-387.13	
For >5,000, Deduct	-642.57	
33 01 30 72-0314 LF 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,338.83	
For Vinlyester Resin, Add	2,215.88	
For Epoxy Resin, Add	261.16	
For Up To >10, Add	2,102.64	
For >10 To 25, Add	1,224.61	
For >25 To 50, Add	893.04	
For >50 To 100, Add	446.52	
For >500 To 1,000, Deduct	-171.27	
For >1,000 To 2,000, Deduct	-259.08	
For >2,000 To 5,000, Deduct	-423.19	
For >5,000, Deduct	-702.42	
33 01 30 72-0315 LF 40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,623.36	
For Vinlyester Resin, Add	2,404.72	
For Epoxy Resin, Add	283.41	
For Up To >10, Add	2,281.81	
For >10 To 25, Add	1,328.95	
For >25 To 50, Add	969.14	
For >50 To 100, Add	484.57	
For >500 To 1,000, Deduct	-185.87	
For >1,000 To 2,000, Deduct	-281.15	
For >2,000 To 5,000, Deduct	-459.25	
For >5,000, Deduct	-762.28	
33 01 30 72-0316 LF 40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,907.88	
For Vinlyester Resin, Add	2,593.56	
For Epoxy Resin, Add	305.67	
For Up To >10, Add	2,460.94	
For >10 To 25, Add	1,433.27	
For >25 To 50, Add	1,045.22	
For >50 To 100, Add	522.61	
For >500 To 1,000, Deduct	-200.46	
For >1,000 To 2,000, Deduct	-303.23	
For >2,000 To 5,000, Deduct	-495.31	
For >5,000, Deduct	-822.14	
33 01 30 72-0317 LF 40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,192.41	
For Vinlyester Resin, Add	2,782.40	
For Epoxy Resin, Add	327.93	
For Up To >10, Add	2,640.11	
For >10 To 25, Add	1,537.61	
For >25 To 50, Add	1,121.31	
For >50 To 100, Add	560.66	
For >500 To 1,000, Deduct	-215.06	
For >1,000 To 2,000, Deduct	-325.31	
For >2,000 To 5,000, Deduct	-531.37	
For >5,000, Deduct	-881.99	
33 01 30 72-0318 LF 40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,476.94	
For Vinlyester Resin, Add	2,971.23	
For Epoxy Resin, Add	350.18	
For Up To >10, Add	2,819.27	
For >10 To 25, Add	1,641.96	
For >25 To 50, Add	1,197.40	
For >50 To 100, Add	598.70	
For >500 To 1,000, Deduct	-229.66	
For >1,000 To 2,000, Deduct	-347.39	
For >2,000 To 5,000, Deduct	-567.43	
For >5,000, Deduct	-941.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0319 LF 40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,761.46	
For Vinlyester Resin, Add	3,160.07	
For Epoxy Resin, Add	372.44	
For Up To >10, Add	2,998.41	
For >10 To 25, Add	1,746.27	
For >25 To 50, Add	1,273.48	
For >50 To 100, Add	636.74	
For >500 To 1,000, Deduct	-244.25	
For >1,000 To 2,000, Deduct	-369.46	
For >2,000 To 5,000, Deduct	-603.49	
For >5,000, Deduct	-1,001.71	
33 01 30 72-0320 LF 40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,045.99	
For Vinlyester Resin, Add	3,348.91	
For Epoxy Resin, Add	394.69	
For Up To >10, Add	3,177.57	
For >10 To 25, Add	1,850.62	
For >25 To 50, Add	1,349.58	
For >50 To 100, Add	674.79	
For >500 To 1,000, Deduct	-258.85	
For >1,000 To 2,000, Deduct	-391.54	
For >2,000 To 5,000, Deduct	-639.56	
For >5,000, Deduct	-1,061.56	
33 01 30 72-0321 LF 40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,330.52	
For Vinlyester Resin, Add	3,537.75	
For Epoxy Resin, Add	416.95	
For Up To >10, Add	3,356.74	
For >10 To 25, Add	1,954.96	
For >25 To 50, Add	1,425.67	
For >50 To 100, Add	712.84	
For >500 To 1,000, Deduct	-273.44	
For >1,000 To 2,000, Deduct	-413.62	
For >2,000 To 5,000, Deduct	-675.62	
For >5,000, Deduct	-1,121.42	
33 01 30 72-0322 LF 40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,615.05	
For Vinlyester Resin, Add	3,726.59	
For Epoxy Resin, Add	439.21	
For Up To >10, Add	3,535.90	
For >10 To 25, Add	2,059.30	
For >25 To 50, Add	1,501.77	
For >50 To 100, Add	750.88	
For >500 To 1,000, Deduct	-288.04	
For >1,000 To 2,000, Deduct	-435.70	
For >2,000 To 5,000, Deduct	-711.68	
For >5,000, Deduct	-1,181.28	
33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0324 LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,271.59	
For Vinlyester Resin, Add	1,512.69	
For Epoxy Resin, Add	178.28	
For Up To >10, Add	1,412.30	
For >10 To 25, Add	816.75	
For >25 To 50, Add	598.10	
For >50 To 100, Add	299.05	
For >500 To 1,000, Deduct	-116.34	
For >1,000 To 2,000, Deduct	-175.90	
For >2,000 To 5,000, Deduct	-286.97	
For >5,000, Deduct	-476.44	
33 01 30 72-0325 LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,565.69	
For Vinlyester Resin, Add	1,708.53	
For Epoxy Resin, Add	201.36	
For Up To >10, Add	1,595.20	
For >10 To 25, Add	922.54	
For >25 To 50, Add	675.56	
For >50 To 100, Add	337.78	
For >500 To 1,000, Deduct	-131.41	
For >1,000 To 2,000, Deduct	-198.67	
For >2,000 To 5,000, Deduct	-324.13	
For >5,000, Deduct	-538.13	
33 01 30 72-0326 LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,859.79	
For Vinlyester Resin, Add	1,904.36	
For Epoxy Resin, Add	224.44	
For Up To >10, Add	1,778.10	
For >10 To 25, Add	1,028.33	
For >25 To 50, Add	753.02	
For >50 To 100, Add	376.51	
For >500 To 1,000, Deduct	-146.47	
For >1,000 To 2,000, Deduct	-221.45	
For >2,000 To 5,000, Deduct	-361.28	
For >5,000, Deduct	-599.81	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0327 LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,161.62	
For Vinlyester Resin, Add	2,100.19	
For Epoxy Resin, Add	247.52	
For Up To >10, Add	1,984.19	
For >10 To 25, Add	1,153.44	
For >25 To 50, Add	842.08	
For >50 To 100, Add	421.04	
For >500 To 1,000, Deduct	-162.11	
For >1,000 To 2,000, Deduct	-245.19	
For >2,000 To 5,000, Deduct	-400.37	
For >5,000, Deduct	-664.59	
33 01 30 72-0328 LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,456.42	
For Vinlyester Resin, Add	2,296.03	
For Epoxy Resin, Add	270.60	
For Up To >10, Add	2,169.16	
For >10 To 25, Add	1,260.96	
For >25 To 50, Add	920.58	
For >50 To 100, Add	460.29	
For >500 To 1,000, Deduct	-177.23	
For >1,000 To 2,000, Deduct	-268.05	
For >2,000 To 5,000, Deduct	-437.70	
For >5,000, Deduct	-726.56	
33 01 30 72-0329 LF 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,751.21	
For Vinlyester Resin, Add	2,491.85	
For Epoxy Resin, Add	293.68	
For Up To >10, Add	2,354.16	
For >10 To 25, Add	1,368.50	
For >25 To 50, Add	999.09	
For >50 To 100, Add	499.54	
For >500 To 1,000, Deduct	-192.35	
For >1,000 To 2,000, Deduct	-290.91	
For >2,000 To 5,000, Deduct	-475.03	
For >5,000, Deduct	-788.53	
33 01 30 72-0330 LF 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,046.01	
For Vinlyester Resin, Add	2,687.69	
For Epoxy Resin, Add	316.76	
For Up To >10, Add	2,539.16	
For >10 To 25, Add	1,476.04	
For >25 To 50, Add	1,077.60	
For >50 To 100, Add	538.80	
For >500 To 1,000, Deduct	-207.46	
For >1,000 To 2,000, Deduct	-313.77	
For >2,000 To 5,000, Deduct	-512.36	
For >5,000, Deduct	-850.49	
33 01 30 72-0331 LF 42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,340.82	
For Vinlyester Resin, Add	2,883.52	
For Epoxy Resin, Add	339.84	
For Up To >10, Add	2,724.16	
For >10 To 25, Add	1,583.58	
For >25 To 50, Add	1,156.11	
For >50 To 100, Add	578.06	
For >500 To 1,000, Deduct	-222.58	
For >1,000 To 2,000, Deduct	-336.64	
For >2,000 To 5,000, Deduct	-549.69	
For >5,000, Deduct	-912.46	
33 01 30 72-0332 LF 42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,635.62	
For Vinlyester Resin, Add	3,079.36	
For Epoxy Resin, Add	362.92	
For Up To >10, Add	2,909.16	
For >10 To 25, Add	1,691.12	
For >25 To 50, Add	1,234.63	
For >50 To 100, Add	617.31	
For >500 To 1,000, Deduct	-237.69	
For >1,000 To 2,000, Deduct	-359.50	
For >2,000 To 5,000, Deduct	-587.02	
For >5,000, Deduct	-974.43	
33 01 30 72-0333 LF 42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,930.41	
For Vinlyester Resin, Add	3,275.19	
For Epoxy Resin, Add	386.00	
For Up To >10, Add	3,094.13	
For >10 To 25, Add	1,798.64	
For >25 To 50, Add	1,313.12	
For >50 To 100, Add	656.56	
For >500 To 1,000, Deduct	-252.81	
For >1,000 To 2,000, Deduct	-382.36	
For >2,000 To 5,000, Deduct	-624.35	
For >5,000, Deduct	-1,036.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0334 LF 42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,225.21	
For Vinylster Resin, Add	3,471.02	
For Epoxy Resin, Add	409.08	
For Up To >10, Add	3,279.13	
For >10 To 25, Add	1,906.18	
For >25 To 50, Add	1,391.64	
For >50 To 100, Add	695.82	
For >500 To 1,000, Deduct	-267.93	
For >1,000 To 2,000, Deduct	-405.22	
For >2,000 To 5,000, Deduct	-661.68	
For >5,000, Deduct	-1,098.36	
33 01 30 72-0335 LF 42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,520.00	
For Vinylster Resin, Add	3,666.85	
For Epoxy Resin, Add	432.16	
For Up To >10, Add	3,464.10	
For >10 To 25, Add	2,013.69	
For >25 To 50, Add	1,470.13	
For >50 To 100, Add	735.07	
For >500 To 1,000, Deduct	-283.04	
For >1,000 To 2,000, Deduct	-428.08	
For >2,000 To 5,000, Deduct	-699.01	
For >5,000, Deduct	-1,160.33	
33 01 30 72-0336 LF 42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,814.80	
For Vinylster Resin, Add	3,862.68	
For Epoxy Resin, Add	455.24	
For Up To >10, Add	3,649.10	
For >10 To 25, Add	2,121.23	
For >25 To 50, Add	1,548.64	
For >50 To 100, Add	774.32	
For >500 To 1,000, Deduct	-298.16	
For >1,000 To 2,000, Deduct	-450.94	
For >2,000 To 5,000, Deduct	-736.34	
For >5,000, Deduct	-1,222.30	
33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)		
33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)		
33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)		
33 01 30 74-0003 EA Cut Liner For Laterals, Up To 4" (Robotic).....	573.31	
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic).....	619.78	
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic).....	658.53	
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic).....	697.26	
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic).....	736.00	
33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010 EA Grout Up To 4" Lateral Service - Bladder.....	642.98	
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder.....	736.80	
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder.....	830.62	
33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014 EA Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	698.86	
33 01 30 74-0015 EA Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	754.73	
33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)		
Note: As manufactured by LMK.		
33 01 30 74-0017 EA Up To 4" Lateral T-Liner.....	808.19	
33 01 30 74-0018 EA 6" Lateral T-Liner.....	905.23	
33 01 30 74-0019 EA 8" Lateral T-Liner.....	1,051.63	
33 01 30 74-0020 Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021 Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022 LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP).....	40.54	
For 7.5mm, Add	4.37	
For 9 mm, Add	8.64	
33 01 30 74-0023 LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP).....	48.26	
For 7.5mm, Add	5.95	
For 9 mm, Add	11.76	
33 01 30 74-0024 LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....	62.63	
For 7.5mm, Add	9.11	
For 9 mm, Add	18.01	
33 01 30 79 Fold-and-Form Pipe Lining (33 01 30)		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0001 Form and Fold Relining Underground Pipelines ^(33 01 30 79) Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion ^(33 01 30 79-0001)		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	5,621.72	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,248.68	
33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner ^(33 01 30 79-0001)		
33 01 30 79-0006 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	66.75	
For DR 26 Pipe Liner, Add	13.68	
For Up To 75, Add	29.00	
For >75 To 150, Add	14.50	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.81	
For >2,000, Deduct	-3.61	
33 01 30 79-0007 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	87.29	
For DR 26 Pipe Liner, Add	18.58	
For DR 35 Pipe Liner, Deduct	-9.29	
For Up To 75, Add	34.32	
For >75 To 150, Add	17.16	
For >500 To 1,000, Deduct	-0.97	
For >1,000 To 2,000, Deduct	-1.95	
For >2,000, Deduct	-3.89	
33 01 30 79-0008 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	89.75	
For DR 26 Pipe Liner, Add	18.93	
For DR 35 Pipe Liner, Deduct	-9.46	
For Up To 75, Add	36.22	
For >75 To 150, Add	18.11	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-2.11	
For >2,000, Deduct	-4.22	
33 01 30 79-0009 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	128.88	
For DR 26 Pipe Liner, Add	28.39	
For DR 35 Pipe Liner, Deduct	-14.19	
For DR 41 Pipe Liner, Deduct	-28.39	
For Up To 75, Add	45.71	
For >75 To 150, Add	22.85	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,000, Deduct	-2.30	
For >2,000, Deduct	-4.60	
33 01 30 79-0010 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	183.06	
For DR 26 Pipe Liner, Add	41.55	
For DR 35 Pipe Liner, Deduct	-20.78	
For DR 41 Pipe Liner, Deduct	-41.55	
For Up To 75, Add	58.53	
For >75 To 150, Add	29.27	
For >500 To 1,000, Deduct	-1.26	
For >1,000 To 2,000, Deduct	-2.53	
For >2,000, Deduct	-5.06	
33 01 30 79-0011 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	253.14	
For DR 35 Pipe Liner, Deduct	-29.25	
For DR 41 Pipe Liner, Deduct	-58.50	
For Up To 75, Add	75.54	
For >75 To 150, Add	37.77	
For >500 To 1,000, Deduct	-1.44	
For >1,000 To 2,000, Deduct	-2.87	
For >2,000, Deduct	-5.75	
33 01 30 79-0012 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	360.89	
For DR 41 Pipe Liner, Deduct	-33.93	
For DR 50 Pipe Liner, Deduct	-67.85	
For Up To 75, Add	100.28	
For >75 To 150, Add	50.14	
For >500 To 1,000, Deduct	-1.62	
For >1,000 To 2,000, Deduct	-3.24	
For >2,000, Deduct	-6.49	
33 01 30 79-0013 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	408.80	
For DR 50 Pipe Liner, Deduct	-57.81	
For DR 55 Pipe Liner, Deduct	-96.35	
For Up To 75, Add	112.21	
For >75 To 150, Add	56.10	
For >500 To 1,000, Deduct	-1.76	
For >1,000 To 2,000, Deduct	-3.51	
For >2,000, Deduct	-7.03	
33 01 30 79-0014 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	500.40	
For DR 60 Pipe Liner, Deduct	-71.23	
For Up To 75, Add	133.30	
For >75 To 150, Add	66.65	
For >500 To 1,000, Deduct	-1.92	
For >1,000 To 2,000, Deduct	-3.83	
For >2,000, Deduct	-7.67	
33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner ^(33 01 30 79-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0016 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	71.91	
For Up To 75, Add	30.03	
For >75 To 150, Add	15.02	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.81	
For >2,000, Deduct	-3.61	
For DR 26 Pipe Liner, Add	14.97	
33 01 30 79-0017 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	87.29	
For Up To 75, Add	34.32	
For >75 To 150, Add	17.16	
For >500 To 1,000, Deduct	-0.97	
For >1,000 To 2,000, Deduct	-1.95	
For >2,000, Deduct	-3.89	
For DR 26 Pipe Liner, Add	18.58	
For DR 35 Pipe Liner, Deduct	-9.29	
33 01 30 79-0018 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	96.63	
For Up To 75, Add	37.59	
For >75 To 150, Add	18.80	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-2.11	
For >2,000, Deduct	-4.22	
For DR 26 Pipe Liner, Add	20.65	
For DR 35 Pipe Liner, Deduct	-10.32	
33 01 30 79-0019 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	139.20	
For Up To 75, Add	47.77	
For >75 To 150, Add	23.88	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,000, Deduct	-2.30	
For >2,000, Deduct	-4.60	
For DR 26 Pipe Liner, Add	30.97	
For DR 35 Pipe Liner, Deduct	-15.48	
For DR 41 Pipe Liner, Deduct	-30.97	
33 01 30 79-0020 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	198.54	
For Up To 75, Add	61.63	
For >75 To 150, Add	30.81	
For >500 To 1,000, Deduct	-1.26	
For >1,000 To 2,000, Deduct	-2.53	
For >2,000, Deduct	-5.06	
For DR 26 Pipe Liner, Add	45.42	
For DR 35 Pipe Liner, Deduct	-22.71	
For DR 41 Pipe Liner, Deduct	-45.42	
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	275.16	
For Up To 75, Add	79.94	
For >75 To 150, Add	39.97	
For >500 To 1,000, Deduct	-1.44	
For >1,000 To 2,000, Deduct	-2.87	
For >2,000, Deduct	-5.75	
For DR 35 Pipe Liner, Deduct	-32.00	
For DR 41 Pipe Liner, Deduct	-64.00	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	393.24	
For Up To 75, Add	106.75	
For >75 To 150, Add	53.38	
For >500 To 1,000, Deduct	-1.62	
For >1,000 To 2,000, Deduct	-3.24	
For >2,000, Deduct	-6.49	
For DR 41 Pipe Liner, Deduct	-37.16	
For DR 50 Pipe Liner, Deduct	-74.32	
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	444.59	
For Up To 75, Add	119.36	
For >75 To 150, Add	59.68	
For >500 To 1,000, Deduct	-1.76	
For >1,000 To 2,000, Deduct	-3.51	
For >2,000, Deduct	-7.03	
For DR 50 Pipe Liner, Deduct	-63.18	
For DR 55 Pipe Liner, Deduct	-105.29	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	545.82	
For Up To 75, Add	142.38	
For >75 To 150, Add	71.19	
For >500 To 1,000, Deduct	-1.92	
For >1,000 To 2,000, Deduct	-3.83	
For >2,000, Deduct	-7.67	
For DR 60 Pipe Liner, Deduct	-78.04	
33 01 30 81 Manhole Rehabilitation <small>(33 01 30)</small>		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes <small>(33 01 30 81)</small>		
Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up <small>(33 01 30 81-0001)</small>		
33 01 30 81-0003 EA Inspect Manhole	182.04	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	14,657.50	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	20,788.66	
Note: For internal inspection and repair of water mains		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0006 Manhole Seals <small>(33 01 30 81-0001)</small>		
33 01 30 81-0007 Internal Manhole Chimney Seals <small>(33 01 30 81-0006)</small>		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	596.13	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	628.36	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	644.47	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	741.14	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	837.81	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	934.48	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	1,127.82	
33 01 30 81-0015 External Manhole Encapsulation <small>(33 01 30 81-0006)</small>		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation	870.03	
33 01 30 81-0017 EA 30" External Manhole Encapsulation	918.37	
33 01 30 81-0018 EA 36" External Manhole Encapsulation	982.82	
33 01 30 81-0019 EA 42" External Manhole Encapsulation	1,063.37	
33 01 30 81-0020 EA 48" External Manhole Encapsulation	1,176.16	
33 01 30 81-0021 EA 54" External Manhole Encapsulation	1,305.04	
33 01 30 81-0022 EA 60" External Manhole Encapsulation	1,466.17	
33 01 30 81-0023 Manhole Crack Repair <small>(33 01 30 81-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	54.24	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	73.08	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	51.19	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	69.49	
33 01 30 81-0028 Manhole Patching <small>(33 01 30 81-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	17.46	
33 01 30 81-0030 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	41.46	
33 01 30 81-0031 Manhole Joint Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,447.29	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		244.63
33 01 30 81-0033 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,856.87	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		272.90
33 01 30 81-0034 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,263.06	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		301.17
33 01 30 81-0035 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,868.48	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		315.30
33 01 30 81-0036 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	4,472.22	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		329.44
33 01 30 81-0037 Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small>		
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	150.90	21.60
33 01 30 81-0039 EA Drill And Grout Galvanized Steel Manhole Step.....	117.01	21.60
33 01 30 81-0040 EA Bolt On Galvanized Steel Manhole Step.....	140.12	21.60
33 01 30 81-0041 EA Drill And Grout Aluminum Manhole Step.....	144.85	21.60
33 01 30 81-0042 EA Drill And Insert Polypropylene Manhole Step.....	68.28	17.29
33 01 30 81-0043 Manhole Penetration Sealing <small>(33 01 30 81-0001)</small>		
Note: At new pipe connection to manhole.		
33 01 30 81-0044 EA 6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	412.20	
33 01 30 81-0045 EA >12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	640.72	
33 01 30 81-0046 EA >22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	884.18	
33 01 30 81-0047 Invert Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048 Concrete Invert Restoration <small>(33 01 30 81-0047)</small>		
33 01 30 81-0049 EA 2' Diameter, Concrete Invert Restoration.....	392.22	
33 01 30 81-0050 EA 3' Diameter, Concrete Invert Restoration.....	437.72	
33 01 30 81-0051 EA 4' Diameter, Concrete Invert Restoration.....	483.23	
33 01 30 81-0052 EA 5' Diameter, Concrete Invert Restoration.....	528.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0053 EA 6' Diameter, Concrete Invert Restoration.....	665.27	
33 01 30 81-0054 SF Square Or Rectangular, Concrete Invert Restoration	38.43	
33 01 30 81-0055 Brick Invert Restoration <small>(33 01 30 81-0047)</small>		
33 01 30 81-0056 EA 2' Diameter, Brick Invert Restoration	607.80	
33 01 30 81-0057 EA 3' Diameter, Brick Invert Restoration	653.31	
33 01 30 81-0058 EA 4' Diameter, Brick Invert Restoration	698.82	
33 01 30 81-0059 EA 5' Diameter, Brick Invert Restoration	744.33	
33 01 30 81-0060 EA 6' Diameter, Brick Invert Restoration	789.84	
33 01 30 81-0061 SF Square Or Rectangular, Brick Invert Restoration	52.94	
33 01 30 81-0062 Repair In-Kind Of Drainage Structures <small>(33 01 30 81)</small>		
Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0063 VLF 2' Diameter, Repair In-Kind Drainage Structure.....	822.86	
33 01 30 81-0064 VLF 3' Diameter, Repair In-Kind Drainage Structure.....	1,234.30	
33 01 30 81-0065 VLF 4' Diameter, Repair In-Kind Drainage Structure.....	1,645.84	
33 01 30 81-0066 VLF 5' Diameter, Repair In-Kind Drainage Structure.....	2,057.16	
33 01 30 81-0067 VLF 6' Diameter, Repair In-Kind Drainage Structure.....	2,468.60	
33 01 30 81-0068 VLF 2' x 2', Repair In-Kind Drainage Structure.....	1,048.24	
33 01 30 81-0069 VLF 2' x 3', Repair In-Kind Drainage Structure.....	1,310.29	
33 01 30 81-0070 VLF 2' x 4', Repair In-Kind Drainage Structure.....	1,572.35	
33 01 30 81-0071 VLF 3' x 4', Repair In-Kind Drainage Structure.....	1,834.41	
33 01 30 81-0072 VLF 4' x 4', Repair In-Kind Drainage Structure.....	2,096.47	
33 01 30 81-0073 VLF 4' x 5', Repair In-Kind Drainage Structure.....	2,358.53	
33 01 30 81-0074 VLF 4' x 6', Repair In-Kind Drainage Structure.....	2,620.59	
33 01 30 81-0075 VLF 4' x 8', Repair In-Kind Drainage Structure.....	3,144.71	
33 01 30 81-0076 VLF >32 GSF, Repair In-Kind Drainage Structure	3,668.82	
33 01 30 82 Epoxy Lining for Concrete Manholes <small>(33 01 30)</small>		
33 01 30 82-0001 Epoxy Manhole Restoration, Interior <small>(33 01 30 82)</small>		
33 01 30 82-0002 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	379.04	
<i>For 80 Mil Material, Add</i>	44.18	
<i>For 100 Mil Material, Add</i>	88.37	
<i>For 125 Mil Material, Add</i>	137.63	
<i>For 150 Mil Material, Add</i>	186.90	
<i>For 200 Mil Material, Add</i>	269.53	
<i>For 2 To 5 Manholes, Deduct</i>	-26.90	
<i>For 6 To 10 Manholes, Deduct</i>	-44.33	
<i>For >10 Manholes, Deduct</i>	-88.66	
33 01 30 82-0003 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	459.95	
<i>For 80 Mil Material, Add</i>	52.89	
<i>For 100 Mil Material, Add</i>	105.79	
<i>For 125 Mil Material, Add</i>	164.62	
<i>For 150 Mil Material, Add</i>	223.45	
<i>For 200 Mil Material, Add</i>	321.67	
<i>For 2 To 5 Manholes, Deduct</i>	-32.72	
<i>For 6 To 10 Manholes, Deduct</i>	-53.93	
<i>For >10 Manholes, Deduct</i>	-107.87	
33 01 30 82-0004 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	505.38	
<i>For 80 Mil Material, Add</i>	58.91	
<i>For 100 Mil Material, Add</i>	117.82	
<i>For 125 Mil Material, Add</i>	183.51	
<i>For 150 Mil Material, Add</i>	249.20	
<i>For 200 Mil Material, Add</i>	359.37	
<i>For 2 To 5 Manholes, Deduct</i>	-35.87	
<i>For 6 To 10 Manholes, Deduct</i>	-59.11	
<i>For >10 Manholes, Deduct</i>	-118.21	
33 01 30 82-0005 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	631.79	
<i>For 80 Mil Material, Add</i>	73.66	
<i>For 100 Mil Material, Add</i>	147.32	
<i>For 125 Mil Material, Add</i>	229.45	
<i>For 150 Mil Material, Add</i>	311.59	
<i>For 200 Mil Material, Add</i>	449.35	
<i>For 2 To 5 Manholes, Deduct</i>	-44.84	
<i>For 6 To 10 Manholes, Deduct</i>	-73.89	
<i>For >10 Manholes, Deduct</i>	-147.78	
33 01 30 82-0006 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	758.13	
<i>For 80 Mil Material, Add</i>	88.39	
<i>For 100 Mil Material, Add</i>	176.77	
<i>For 125 Mil Material, Add</i>	275.33	
<i>For 150 Mil Material, Add</i>	373.89	
<i>For 200 Mil Material, Add</i>	539.20	
<i>For 2 To 5 Manholes, Deduct</i>	-53.81	
<i>For 6 To 10 Manholes, Deduct</i>	-88.66	
<i>For >10 Manholes, Deduct</i>	-177.33	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 83 Lining for Concrete Manholes <small>(33 01 30)</small>			
33 01 30 83-0001	Manhole Lining <small>(33 01 30 83)</small>		
	Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 83-0002	Cementitious Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01 30 83-0003	VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	170.54	
	For Each Additional 1/2" Thick Material, Add	46.05	
	For 2 To 5 Manholes, Deduct	-11.88	
	For 6 To 10 Manholes, Deduct	-19.51	
	For >10 Manholes, Deduct	-39.01	
33 01 30 83-0004	VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	197.78	
	For Each Additional 1/2" Thick Material, Add	53.61	
	For 2 To 5 Manholes, Deduct	-13.78	
	For 6 To 10 Manholes, Deduct	-22.61	
	For >10 Manholes, Deduct	-45.22	
33 01 30 83-0005	VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	225.02	
	For Each Additional 1/2" Thick Material, Add	61.17	
	For 2 To 5 Manholes, Deduct	-15.67	
	For 6 To 10 Manholes, Deduct	-25.71	
	For >10 Manholes, Deduct	-51.42	
33 01 30 83-0006	VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	265.68	
	For Each Additional 1/2" Thick Material, Add	75.14	
	For 2 To 5 Manholes, Deduct	-18.41	
	For 6 To 10 Manholes, Deduct	-30.17	
	For >10 Manholes, Deduct	-60.35	
33 01 30 83-0007	VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	291.60	
	For Each Additional 1/2" Thick Material, Add	87.16	
	For 2 To 5 Manholes, Deduct	-20.06	
	For 6 To 10 Manholes, Deduct	-32.83	
	For >10 Manholes, Deduct	-65.65	
33 01 30 83-0008	Polyurethane Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01 30 83-0009	VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	339.34	
	For 80 Mil Material, Add	30.95	
	For 100 Mil Material, Add	61.90	
	For 125 Mil Material, Add	94.63	
	For 150 Mil Material, Add	127.35	
	For 200 Mil Material, Add	176.90	
	For 2 To 5 Manholes, Deduct	-24.92	
	For 6 To 10 Manholes, Deduct	-41.35	
	For >10 Manholes, Deduct	-82.71	
33 01 30 83-0010	VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	413.57	
	For 80 Mil Material, Add	37.43	
	For 100 Mil Material, Add	74.87	
	For 125 Mil Material, Add	114.37	
	For 150 Mil Material, Add	153.88	
	For 200 Mil Material, Add	213.45	
	For 2 To 5 Manholes, Deduct	-30.40	
	For 6 To 10 Manholes, Deduct	-50.45	
	For >10 Manholes, Deduct	-100.91	
33 01 30 83-0011	VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	452.45	
	For 80 Mil Material, Add	41.27	
	For 100 Mil Material, Add	82.54	
	For 125 Mil Material, Add	126.17	
	For 150 Mil Material, Add	169.80	
	For 200 Mil Material, Add	235.87	
	For 2 To 5 Manholes, Deduct	-33.22	
	For 6 To 10 Manholes, Deduct	-55.14	
	For >10 Manholes, Deduct	-110.27	
33 01 30 83-0012	VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	565.57	
	For 80 Mil Material, Add	51.59	
	For 100 Mil Material, Add	103.17	
	For 125 Mil Material, Add	157.72	
	For 150 Mil Material, Add	212.26	
	For 200 Mil Material, Add	294.84	
	For 2 To 5 Manholes, Deduct	-41.53	
	For 6 To 10 Manholes, Deduct	-68.92	
	For >10 Manholes, Deduct	-137.84	
33 01 30 83-0013	VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	678.68	
	For 80 Mil Material, Add	61.90	
	For 100 Mil Material, Add	123.81	
	For 125 Mil Material, Add	189.26	
	For 150 Mil Material, Add	254.71	
	For 200 Mil Material, Add	353.81	
	For 2 To 5 Manholes, Deduct	-49.84	
	For 6 To 10 Manholes, Deduct	-82.71	
	For >10 Manholes, Deduct	-165.41	
33 01 30 83-0014	Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	572.08	
For 2 To 5 Manholes, Deduct	-33.35	
For 6 To 10 Manholes, Deduct	-52.39	
For >10 Manholes, Deduct	-104.79	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	700.57	
For 2 To 5 Manholes, Deduct	-40.83	
For 6 To 10 Manholes, Deduct	-64.14	
For >10 Manholes, Deduct	-128.28	
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	824.92	
For 2 To 5 Manholes, Deduct	-47.57	
For 6 To 10 Manholes, Deduct	-74.52	
For >10 Manholes, Deduct	-149.04	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,034.47	
For 2 To 5 Manholes, Deduct	-59.63	
For 6 To 10 Manholes, Deduct	-93.40	
For >10 Manholes, Deduct	-186.79	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,244.02	
For 2 To 5 Manholes, Deduct	-71.69	
For 6 To 10 Manholes, Deduct	-112.27	
For >10 Manholes, Deduct	-224.55	
 33 01 30 86 Manhole Rim Adjustment (33 01 30)		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	364.37	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	409.79	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	451.08	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	497.85	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	535.91	
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	428.08	
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	466.60	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	515.01	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	561.77	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	606.90	
33 01 30 86-0014 Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers (33 01 30 86-0001)		
33 01 30 86-0015 EA Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	491.47	
33 01 30 86-0016 EA >4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	519.39	
33 01 30 86-0017 EA >5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	549.39	
33 01 30 86-0018 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0019 EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	598.02	
33 01 30 86-0020 EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	650.37	
33 01 30 86-0021 EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	703.56	
33 01 30 86-0022 EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	746.00	
33 01 30 86-0023 EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	810.62	
33 01 30 86-0024 EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	869.41	
33 01 30 86-0025 EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	927.00	
33 01 30 86-0026 EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	985.82	
33 01 30 86-0027 >12" Rise, Solid Manhole Risers (33 01 30 86)		
33 01 30 86-0028 Precast Concrete Manhole Riser (33 01 30 86-0027)		
33 01 30 86-0029 VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	134.22	
33 01 30 86-0030 VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	159.68	
33 01 30 86-0031 VLF >36" To 48" Diameter Precast Concrete Manhole Riser	178.08	
33 01 30 86-0032 VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	363.47	
33 01 30 86-0033 VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	532.37	
 33 01 30 89 By-Pass Piping and Pumping of Sewer Utilities (33 01 30)		
33 01 30 89-0001 Set-Up By-Pass Pumping Unit (33 01 30 89)		
Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1086 for pump rental, 01 22 23 00-1119 for suction hose, 01 22 23 00-1138 for discharge hose.		
33 01 30 89-0002 EA Set-up By-Pass Pumping Unit	2,126.44	
33 01 30 89-0003 EA Re-Set Up/Move By-Pass Pumping Unit	1,063.22	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 89-0004		By-Pass Pumping <small>(33 01 30 89)</small>		
		Note: Excludes pump rental. See CSI section 01 22 23 00-1086 for pump rental.		
33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit	531.61	
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit	2,658.05	
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit	11,163.79	
33 01 30 89-0008		Temporary Bypass And Service Lines <small>(33 01 30 89)</small>		
		Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009		Temporary Water Service Lines <small>(33 01 30 89-0008)</small>		
		Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings	3.89	
		Note: Includes removal after use.		
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings	4.93	
		Note: Includes removal after use.		
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings	5.75	
		Note: Includes removal after use.		
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings	6.90	
		Note: Includes removal after use.		
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings	8.49	
		Note: Includes removal after use.		
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant	422.94	
		Note: Includes removal after use.		
33 01 30 89-0016		Temporary Bypass Water Main Lines <small>(33 01 30 89-0008)</small>		
		Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 89-0017	LF	2" Temporary Bypass Pipe With Fittings	8.58	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	-0.59	
		For >1,000 To 5,000, Deduct	-1.17	
		For >5,000, Deduct	-1.96	
33 01 30 89-0018	LF	4" Temporary Bypass Pipe With Fittings	10.88	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	-0.76	
		For >1,000 To 5,000, Deduct	-1.51	
		For >5,000, Deduct	-2.52	
33 01 30 89-0019	LF	6" Temporary Bypass Pipe With Fittings	13.40	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	-0.88	
		For >1,000 To 5,000, Deduct	-1.76	
		For >5,000, Deduct	-2.94	
33 01 30 89-0020	LF	8" Temporary Bypass Pipe With Fittings	16.93	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	-1.06	
		For >1,000 To 5,000, Deduct	-2.12	
		For >5,000, Deduct	-3.53	
33 01 30 89-0021		Piping Protection For Temporary Water Line <small>(33 01 30 89-0008)</small>		
33 01 30 89-0022	LF	Cold Mix For Temporary Pipe	3.21	
		Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		
33 01 30 89-0023		Drill Meter Cover For Temporary Water Line <small>(33 01 30 89-0008)</small>		
33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	16.55	
33 01 30 89-0025		Temporary By-Pass Plug <small>(33 01 30 89)</small>		
33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	939.00	
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,464.06	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,347.42	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,886.93	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,835.06	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)

33 01 34 13 Septic Tank Solids Removal (33 01 34)

33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.70	
------------------	-----	--	------	--

33 01 70 Operation and Maintenance of Electrical Utilities (33 01)

33 01 70 51 Electrical Utility Visual Inspection (33 01 70)

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct (33 01 70 51)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 51-0002 Video Camera Set-up <small>(33 01 70 51-0001)</small>		
33 01 70 51-0003 EA Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct.....	289.52	
33 01 70 51-0004 EA >12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe.....	325.71	
33 01 70 51-0005 EA Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct.....	72.38	
33 01 70 51-0006 EA >12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe.....	108.57	
33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct <small>(33 01 70 51-0001)</small>		
33 01 70 51-0008 LF Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.12	
<i>For >1,000 To 5,000, Deduct</i>	-0.06	
<i>For >5,000, Deduct</i>	-0.11	
33 01 70 51-0009 LF >12" To 48" Diameter, Video Inspection, Gas Pipe	1.73	
<i>For >1,000 To 5,000, Deduct</i>	-0.09	
<i>For >5,000, Deduct</i>	-0.17	
33 01 70 72 Cured-in-Place Conduit Lining <small>(33 01 70)</small>		
33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner <small>(33 01 70 72)</small>		
<small>Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.</small>		
33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining <small>(33 01 70 72-0001)</small>		
33 01 70 72-0003 LF 1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	7.66	
<i>For Up To >10, Add</i>	15.08	
<i>For >10 To 25, Add</i>	12.04	
<i>For >25 To 50, Add</i>	7.38	
<i>For >50 To 100, Add</i>	3.69	
<i>For >500 To 1,000, Deduct</i>	-0.50	
<i>For >1,000 To 2,000, Deduct</i>	-0.80	
<i>For >2,000 To 5,000, Deduct</i>	-1.50	
<i>For >5,000, Deduct</i>	-2.43	
33 01 70 72-0004 LF 2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	9.33	
<i>For Up To >10, Add</i>	17.32	
<i>For >10 To 25, Add</i>	13.72	
<i>For >25 To 50, Add</i>	8.44	
<i>For >50 To 100, Add</i>	4.22	
<i>For >500 To 1,000, Deduct</i>	-0.59	
<i>For >1,000 To 2,000, Deduct</i>	-0.95	
<i>For >2,000 To 5,000, Deduct</i>	-1.78	
<i>For >5,000, Deduct</i>	-2.88	
33 01 70 72-0005 LF 2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	11.70	
<i>For Up To >10, Add</i>	21.65	
<i>For >10 To 25, Add</i>	17.15	
<i>For >25 To 50, Add</i>	10.56	
<i>For >50 To 100, Add</i>	5.28	
<i>For >500 To 1,000, Deduct</i>	-0.74	
<i>For >1,000 To 2,000, Deduct</i>	-1.19	
<i>For >2,000 To 5,000, Deduct</i>	-2.23	
<i>For >5,000, Deduct</i>	-3.60	
33 01 70 72-0006 LF 3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	13.79	
<i>For Up To >10, Add</i>	25.15	
<i>For >10 To 25, Add</i>	19.87	
<i>For >25 To 50, Add</i>	12.25	
<i>For >50 To 100, Add</i>	6.12	
<i>For >500 To 1,000, Deduct</i>	-0.87	
<i>For >1,000 To 2,000, Deduct</i>	-1.40	
<i>For >2,000 To 5,000, Deduct</i>	-2.60	
<i>For >5,000, Deduct</i>	-4.22	
33 01 70 72-0007 LF 3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	15.47	
<i>For Up To >10, Add</i>	27.41	
<i>For >10 To 25, Add</i>	21.58	
<i>For >25 To 50, Add</i>	13.33	
<i>For >50 To 100, Add</i>	6.66	
<i>For >500 To 1,000, Deduct</i>	-0.97	
<i>For >1,000 To 2,000, Deduct</i>	-1.55	
<i>For >2,000 To 5,000, Deduct</i>	-2.88	
<i>For >5,000, Deduct</i>	-4.67	
33 01 70 72-0008 LF 4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	17.42	
<i>For Up To >10, Add</i>	30.49	
<i>For >10 To 25, Add</i>	23.95	
<i>For >25 To 50, Add</i>	14.81	
<i>For >50 To 100, Add</i>	7.40	
<i>For >500 To 1,000, Deduct</i>	-1.09	
<i>For >1,000 To 2,000, Deduct</i>	-1.74	
<i>For >2,000 To 5,000, Deduct</i>	-3.22	
<i>For >5,000, Deduct</i>	-5.23	
33 01 70 72-0009 LF 5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	20.49	
<i>For Up To >10, Add</i>	34.15	
<i>For >10 To 25, Add</i>	26.63	
<i>For >25 To 50, Add</i>	16.53	
<i>For >50 To 100, Add</i>	8.26	
<i>For >500 To 1,000, Deduct</i>	-1.26	
<i>For >1,000 To 2,000, Deduct</i>	-2.01	
<i>For >2,000 To 5,000, Deduct</i>	-3.70	
<i>For >5,000, Deduct</i>	-6.01	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 70 Operation and Maintenance of Electrical Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0010 LF 6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	23.55	
For Up To >10, Add	37.78	
For >10 To 25, Add	29.29	
For >25 To 50, Add	18.23	
For >50 To 100, Add	9.12	
For >500 To 1,000, Deduct	-1.44	
For >1,000 To 2,000, Deduct	-2.29	
For >2,000 To 5,000, Deduct	-4.18	
For >5,000, Deduct	-6.79	
33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining <small>(33 01 70 72-0001)</small>	9.38	
33 01 70 72-0012 LF 1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	9.38	
For Up To >10, Add	16.64	
For >10 To 25, Add	13.10	
For >25 To 50, Add	8.09	
For >50 To 100, Add	4.05	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.94	
For >2,000 To 5,000, Deduct	-1.75	
For >5,000, Deduct	-2.83	
33 01 70 72-0013 LF 2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	12.17	
For Up To >10, Add	20.84	
For >10 To 25, Add	16.32	
For >25 To 50, Add	10.10	
For >50 To 100, Add	5.05	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.21	
For >2,000 To 5,000, Deduct	-2.23	
For >5,000, Deduct	-3.61	
33 01 70 72-0014 LF 2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	14.96	
For Up To >10, Add	25.06	
For >10 To 25, Add	19.56	
For >25 To 50, Add	12.13	
For >50 To 100, Add	6.07	
For >500 To 1,000, Deduct	-0.92	
For >1,000 To 2,000, Deduct	-1.47	
For >2,000 To 5,000, Deduct	-2.71	
For >5,000, Deduct	-4.40	
33 01 70 72-0015 LF 3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	17.47	
For Up To >10, Add	28.41	
For >10 To 25, Add	22.08	
For >25 To 50, Add	13.73	
For >50 To 100, Add	6.86	
For >500 To 1,000, Deduct	-1.07	
For >1,000 To 2,000, Deduct	-1.70	
For >2,000 To 5,000, Deduct	-3.12	
For >5,000, Deduct	-5.07	
33 01 70 72-0016 LF 3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	19.83	
For Up To >10, Add	31.34	
For >10 To 25, Add	24.24	
For >25 To 50, Add	15.11	
For >50 To 100, Add	7.55	
For >500 To 1,000, Deduct	-1.21	
For >1,000 To 2,000, Deduct	-1.92	
For >2,000 To 5,000, Deduct	-3.49	
For >5,000, Deduct	-5.68	
33 01 70 72-0017 LF 4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	22.35	
For Up To >10, Add	34.73	
For >10 To 25, Add	26.78	
For >25 To 50, Add	16.72	
For >50 To 100, Add	8.36	
For >500 To 1,000, Deduct	-1.35	
For >1,000 To 2,000, Deduct	-2.15	
For >2,000 To 5,000, Deduct	-3.91	
For >5,000, Deduct	-6.35	
33 01 70 72-0018 LF 5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	27.22	
For Up To >10, Add	41.01	
For >10 To 25, Add	31.47	
For >25 To 50, Add	19.69	
For >50 To 100, Add	9.85	
For >500 To 1,000, Deduct	-1.64	
For >1,000 To 2,000, Deduct	-2.59	
For >2,000 To 5,000, Deduct	-4.69	
For >5,000, Deduct	-7.64	
33 01 70 72-0019 LF 6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	31.67	
For Up To >10, Add	46.04	
For >10 To 25, Add	35.10	
For >25 To 50, Add	22.04	
For >50 To 100, Add	11.02	
For >500 To 1,000, Deduct	-1.89	
For >1,000 To 2,000, Deduct	-2.98	
For >2,000 To 5,000, Deduct	-5.37	
For >5,000, Deduct	-8.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 05 Common Work Results for Utilities ⁽³³⁾

33 05 07 Trenchless Installation of Utility Piping ^(33 05)

33 05 07 13 Utility Directional Drilling ^(33 05 07)

33 05 07 13-0001 Horizontal Augering ^(33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering.....	25.07
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering.....	30.25
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering.....	41.49
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering.....	53.60
33 05 07 13-0006	LF	8" Diameter Horizontal Augering.....	98.29
33 05 07 13-0007	LF	10" Diameter Horizontal Augering.....	143.39
33 05 07 13-0008	LF	12" Diameter Horizontal Augering.....	172.29
33 05 07 13-0009	LF	16" Diameter Horizontal Augering.....	205.83
33 05 07 13-0010	LF	20" Diameter Horizontal Augering.....	356.16
33 05 07 13-0011	LF	24" Diameter Horizontal Augering.....	448.42
33 05 07 13-0012	LF	30" Diameter Horizontal Augering.....	553.11
33 05 07 13-0013	LF	36" Diameter Horizontal Augering.....	631.94
33 05 07 13-0014	LF	42" Diameter Horizontal Augering.....	827.60
33 05 07 13-0015	LF	48" Diameter Horizontal Augering.....	891.75
33 05 07 13-0016	LF	54" Diameter Horizontal Augering.....	969.82
33 05 07 13-0017	LF	60" Diameter Horizontal Augering.....	1,016.75
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge.....	4,162.83
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge.....	5,686.11
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge.....	8,448.54
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 07 13-0021 Horizontal Directional Boring ^(33 05 07 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	13.61
		For Horizontal Boring Through Rock, Add.....	9.53
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground.....	20.43
		For Horizontal Boring Through Rock, Add.....	14.30
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	28.37
		For Horizontal Boring Through Rock, Add.....	19.86
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground.....	35.17
		For Horizontal Boring Through Rock, Add.....	24.62
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground.....	41.99
		For Horizontal Boring Through Rock, Add.....	29.39
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground.....	48.79
		For Horizontal Boring Through Rock, Add.....	34.15
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground.....	56.73
		For Horizontal Boring Through Rock, Add.....	39.71
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground.....	69.38
		For Horizontal Boring Through Rock, Add.....	48.57
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground.....	75.17
		For Horizontal Boring Through Rock, Add.....	52.62
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground.....	80.95
		For Horizontal Boring Through Rock, Add.....	56.67
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground.....	167.67
		For Horizontal Boring Through Rock, Add.....	117.37
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground.....	264.92
		For Horizontal Boring Through Rock, Add.....	185.44
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground.....	403.84
		For Horizontal Boring Through Rock, Add.....	282.69
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground.....	646.15
		For Horizontal Boring Through Rock, Add.....	452.31
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge.....	3,630.90
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge.....	4,162.83
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge.....	5,686.11
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 07 23 Utility Boring and Jacking ^(33 05 07)

33 05 07 23-0001 Horizontal Jacking ^(33 05 07 23)

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 Utilities**33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0002 LF Up To 2" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	91.10 31.76	
33 05 07 23-0003 LF 3" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	108.80 38.33	
33 05 07 23-0004 LF 4" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	145.77 52.57	
33 05 07 23-0005 LF 6" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	188.45 67.90	
33 05 07 23-0006 LF 8" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	253.52 93.08	
33 05 07 23-0007 LF 10" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	372.75 135.80	
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	449.28 163.18	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	536.23 194.95	
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	778.58 338.41	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,581.79 379.79	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,792.31 468.95	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,013.10 536.21	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,157.43 579.04	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,346.21 623.90	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,486.91 679.01	
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,630.90	
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,162.83	
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,686.11	
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,448.54	

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)**33 05 07 24-0001****Casing Pipe (33 05 07 24)**

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002**Steel Pipe (33 05 07 24-0001)**

33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	38.17	
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	40.32	
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	43.76	
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	47.27	
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	60.85	
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	69.33	
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	77.80	

33 05 07 24-0010**Polyethylene Pipe (33 05 07 24-0001)**

33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	9.42	
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	10.23	
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	11.05	
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	11.84	
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	12.66	
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	13.64	
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	14.67	
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	18.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	20.58	
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.84	
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	30.74	
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	43.19	
33 05 09 Piping Specials for Utilities <small>(33 05)</small>		
33 05 09 23 Adapters for Utility Piping <small>(33 05 09)</small>		
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.		
33 05 09 33 Thrust Restraint for Utility Piping <small>(33 05 09)</small>		
See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1152 for slip-on restraints, 33 14 13 13-1168 for slip-on restraint harnesses.		
33 05 16 Cast-Iron Utility Pipe <small>(33 05)</small>		
See CSI section 22 13 16 00-0019 for cast iron utility piping.		
33 05 17 Copper Utility Pipe and Tubing <small>(33 05)</small>		
See CSI section 33 14 13 39-0000 for copper utility piping.		
33 05 19 Ductile-Iron Utility Pipe <small>(33 05)</small>		
See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
33 05 24 Steel Utility Pipe <small>(33 05)</small>		
33 05 24 23 Steel Pipe for Water Service <small>(33 05 24)</small>		
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
33 05 27 Corrugated Metal Utility Pipe <small>(33 05)</small>		
33 05 27 13 Corrugated Metal Culvert Pipe <small>(33 05 27)</small>		
See CSI section 33 42 11 00-0455 for corrugated metal culvert pipe.		
33 05 27 23 Corrugated Metal Slotted Pipe <small>(33 05 27)</small>		
See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
33 05 27 33 Corrugated Metal Culvert Arch Pipe <small>(33 05 27)</small>		
See CSI section 33 42 11 00-0799 for corrugated metal culvert arch pipe.		
33 05 31 Thermoplastic Utility Pipe <small>(33 05)</small>		
33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe <small>(33 05 31)</small>		
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
33 05 31 13 Polyvinyl Chloride Pressure Pipe <small>(33 05 31)</small>		
See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.		
33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) <small>(33 05 31)</small>		
See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33 Polyethylene Utility Pipe <small>(33 05)</small>		
33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe <small>(33 05 33)</small>		
See CSI section 33 42 11 00-0227 for corrugated-wall smooth interior HDPE gravity pipe.		
33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) <small>(33 05 33)</small>		
See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.		
33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe <small>(33 05 33)</small>		
See CSI section 33 42 11 00-0249 for corrugated perforated HDPE drainage pipe.		
33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe <small>(33 05 33)</small>		
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 53 HDPE Gas Utility Pipe <small>(33 05 33)</small>		
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe <small>(33 05 33)</small>		
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
33 05 33 63 HDPE Communication Duct <small>(33 05 33)</small>		
33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine Note: Excludes boring.		
33 05 33 63-0002 LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine For Up To 250, Add For >250 To 500, Add	3.72 0.12 0.08	
33 05 33 63-0003 LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine For Up To 250, Add For >250 To 500, Add	4.16 0.15 0.10	

33 Utilities**33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33	63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.53	
			For Up To 250, Add	0.17	
			For >250 To 500, Add	0.11	
33 05 33	63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.97	
			For Up To 250, Add	0.20	
			For >250 To 500, Add	0.13	
33 05 33	63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	6.73	
			For Up To 250, Add	0.42	
			For >250 To 500, Add	0.28	
33 05 33	63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.54	
			For Up To 250, Add	0.65	
			For >250 To 500, Add	0.43	
33 05 33	63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.80	
			For Up To 250, Add	0.13	
			For >250 To 500, Add	0.09	
33 05 33	63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.32	
			For Up To 250, Add	0.17	
			For >250 To 500, Add	0.12	
33 05 33	63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.66	
			For Up To 250, Add	0.19	
			For >250 To 500, Add	0.13	
33 05 33	63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.30	
			For Up To 250, Add	0.25	
			For >250 To 500, Add	0.17	
33 05 33	63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.45	
			For Up To 250, Add	0.53	
			For >250 To 500, Add	0.35	
33 05 33	63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	9.45	
			For Up To 250, Add	0.78	
			For >250 To 500, Add	0.52	

33 05 39 Concrete Pipe (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

³⁹⁾
See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe (33 05)

See CSI section 33 42 11 00-0353 for vitrified clay piping.

33 05 61 Concrete Manholes (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.

See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,673.45	286.93
		For Bitumastic Coating, Add	79.07	
		For Epoxy Coating, Add	151.10	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,277.61	412.13
		For Bitumastic Coating, Add	118.61	
		For Epoxy Coating, Add	226.65	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole.....	3,059.12	626.01
		For Bitumastic Coating, Add	158.14	
		For Epoxy Coating, Add	302.20	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole.....	322.94	73.03
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	19.77	
		For Epoxy Coating, Add	37.78	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole.....	348.89	73.03
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole.....	564.81	73.03
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	448.86	73.03
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole.....	646.35	73.03

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0013 EA 4' Deep, 4' Diameter, Precast Concrete Manhole	2,483.21	328.65
<i>For Bitumastic Coating, Add</i>	79.07	
<i>For Epoxy Coating, Add</i>	151.10	
33 05 61 00-0014 EA 6' Deep, 4' Diameter, Precast Concrete Manhole	3,311.81	448.64
<i>For Bitumastic Coating, Add</i>	118.61	
<i>For Epoxy Coating, Add</i>	226.65	
33 05 61 00-0015 EA 8' Deep, 4' Diameter, Precast Concrete Manhole	4,349.93	678.18
<i>For Bitumastic Coating, Add</i>	158.14	
<i>For Epoxy Coating, Add</i>	302.20	
33 05 61 00-0016 VLF Riser For 4' Diameter, Precast Concrete Manhole	462.54	86.08
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	19.77	
<i>For Epoxy Coating, Add</i>	37.78	
33 05 61 00-0017 VLF Drop Collar For 4' Diameter, Precast Concrete Manhole	505.53	86.08
33 05 61 00-0018 EA Drop Base For 4' Diameter, Precast Concrete Manhole	863.19	86.08
33 05 61 00-0019 EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole	671.12	86.08
33 05 61 00-0020 EA Precast Channel For 4' Diameter, Precast Concrete Manhole	998.29	86.08
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0022 EA 4' Deep, 5' Diameter, Precast Concrete Manhole	4,732.36	365.18
<i>For Bitumastic Coating, Add</i>	101.88	
<i>For Epoxy Coating, Add</i>	243.59	
33 05 61 00-0023 EA 6' Deep, 5' Diameter, Precast Concrete Manhole	6,299.19	500.81
<i>For Bitumastic Coating, Add</i>	152.82	
<i>For Epoxy Coating, Add</i>	365.39	
33 05 61 00-0024 EA 8' Deep, 5' Diameter, Precast Concrete Manhole	8,098.26	751.21
<i>For Bitumastic Coating, Add</i>	203.76	
<i>For Epoxy Coating, Add</i>	487.18	
33 05 61 00-0025 VLF Riser For 5' Diameter, Precast Concrete Manhole	837.23	93.91
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	25.47	
<i>For Epoxy Coating, Add</i>	60.90	
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0027 EA 4' Deep, 6' Diameter, Precast Concrete Manhole	6,372.44	406.91
<i>For Bitumastic Coating, Add</i>	116.64	
<i>For Epoxy Coating, Add</i>	285.18	
33 05 61 00-0028 EA 6' Deep, 6' Diameter, Precast Concrete Manhole	8,292.86	552.98
<i>For Bitumastic Coating, Add</i>	174.96	
<i>For Epoxy Coating, Add</i>	427.77	
33 05 61 00-0029 EA 8' Deep, 6' Diameter, Precast Concrete Manhole	10,473.28	834.68
<i>For Bitumastic Coating, Add</i>	233.28	
<i>For Epoxy Coating, Add</i>	570.36	
33 05 61 00-0030 VLF Riser For 6' Diameter, Precast Concrete Manhole	1,019.57	104.34
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	29.16	
<i>For Epoxy Coating, Add</i>	71.30	
33 05 61 00-0031 7' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0032 EA 4' Deep, 7' Diameter, Precast Concrete Manhole	10,098.15	448.64
<i>For Bitumastic Coating, Add</i>	248.03	
<i>For Epoxy Coating, Add</i>	498.33	
33 05 61 00-0033 EA 6' Deep, 7' Diameter, Precast Concrete Manhole	13,049.84	611.93
<i>For Bitumastic Coating, Add</i>	372.05	
<i>For Epoxy Coating, Add</i>	747.50	
33 05 61 00-0034 EA 8' Deep, 7' Diameter, Precast Concrete Manhole	16,287.41	918.15
<i>For Bitumastic Coating, Add</i>	496.07	
<i>For Epoxy Coating, Add</i>	996.66	
33 05 61 00-0035 VLF Riser For 7' Diameter, Precast Concrete Manhole	1,542.10	114.77
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	62.01	
<i>For Epoxy Coating, Add</i>	124.58	
33 05 61 00-0036 8' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0037 EA 4' Deep, 8' Diameter, Precast Concrete Manhole	14,649.87	516.46
<i>For Bitumastic Coating, Add</i>	293.23	
<i>For Epoxy Coating, Add</i>	607.42	
33 05 61 00-0038 EA 6' Deep, 8' Diameter, Precast Concrete Manhole	18,986.31	704.26
<i>For Bitumastic Coating, Add</i>	439.85	
<i>For Epoxy Coating, Add</i>	911.14	
33 05 61 00-0039 EA 8' Deep, 8' Diameter, Precast Concrete Manhole	23,651.40	1,056.40
<i>For Bitumastic Coating, Add</i>	586.46	
<i>For Epoxy Coating, Add</i>	1,214.85	
33 05 61 00-0040 VLF Riser For 8' Diameter, Precast Concrete Manhole	2,241.26	130.42
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	73.31	
<i>For Epoxy Coating, Add</i>	151.86	

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 Concrete Vaults and Chambers (33 05)

33 05 63 00-0001	Underground Utility Vaults And Structures <small>(33 05 63)</small> See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.	
33 05 63 00-0002	Precast Concrete Underground Utility Vault <small>(33 05 63 00-0001)</small> Note: Sizes given are for inside dimensions.	
33 05 63 00-0003	6' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>	
33 05 63 00-0004	EA 4' x 4' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,391.72
33 05 63 00-0005	EA 4' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,421.12
33 05 63 00-0006	EA 5' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,293.80
33 05 63 00-0007	EA 5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,421.90
33 05 63 00-0008	EA 6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,649.97
33 05 63 00-0009	EA 6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,877.76
33 05 63 00-0010	EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,106.61
33 05 63 00-0011	EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,712.48
33 05 63 00-0012	EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,712.48
33 05 63 00-0013	EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,747.88
33 05 63 00-0014	EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,306.07
33 05 63 00-0015	EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,733.32
33 05 63 00-0016	EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,912.96
33 05 63 00-0017	EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,658.96
33 05 63 00-0018	7' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>	
33 05 63 00-0019	EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,673.46
33 05 63 00-0020	EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,068.40
33 05 63 00-0021	EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,962.77
33 05 63 00-0022	EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,934.14
33 05 63 00-0023	EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,148.28
33 05 63 00-0024	EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,712.87
33 05 63 00-0025	EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,476.12
33 05 63 00-0026	EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,001.88
33 05 63 00-0027	EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,736.97
33 05 63 00-0028	EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,000.14
33 05 63 00-0029	EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,989.40
33 05 63 00-0030	EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,501.71
33 05 63 00-0031	EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,051.94
33 05 63 00-0032	EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,910.17
33 05 63 00-0033	EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,278.95
33 05 63 00-0034	8' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>	
33 05 63 00-0035	EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,075.05
33 05 63 00-0036	EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,275.58
33 05 63 00-0037	EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,574.44
33 05 63 00-0038	EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,873.62
33 05 63 00-0039	EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,674.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,073.38	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,472.31	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,761.44	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,252.48	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,671.72	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,270.06	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,189.80	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,162.51	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,417.59	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,186.74	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,670.65	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,555.39	
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,698.99	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,269.00	
33 05 63 00-0056 Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,349.64	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,548.14	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	5,719.19	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	7,091.12	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	9,818.46	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	5,085.10	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	7,091.12	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	9,144.96	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	11,408.31	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	16,261.95	
33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069) Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	542.52	22.79
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	424.47	50.58
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	649.99	75.88
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	773.06	75.88
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	732.39	75.88
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	909.88	75.88
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	883.09	75.88
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,242.47	75.88
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,774.11	101.17
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,547.53	101.17
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,543.48	139.10

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,785.68	139.10
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,045.67	139.10
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,643.69	151.75
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,437.06	151.75
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,085.85	151.75
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	4,620.36	151.75
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,373.13	244.70
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,567.21	244.70
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	703.28	22.79
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	841.47	75.88
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,039.55	75.88
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	950.88	75.88
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,102.58	75.88
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,142.36	75.88
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,503.97	75.88
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,950.64	139.10
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,192.84	139.10
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,452.86	139.10
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,848.93	244.70
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	4,052.08	244.70
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	910.17	22.79
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	764.66	22.79
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	542.61	75.88
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	628.47	75.88
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	189.90	22.79
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	311.57	22.79
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	522.76	22.79
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	548.32	22.79
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	415.55	50.58
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	454.75	50.58
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.35	22.79
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	354.23	22.79
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	450.68	50.58
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	516.59	50.58
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	473.93	50.58
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	546.61	75.88
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	611.25	75.88
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	659.33	75.88
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	731.74	75.88
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	876.13	75.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	963.72	75.88
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,059.57	75.88
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,119.84	75.88
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,319.79	101.17
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,281.10	139.10
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,700.86	139.10
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,088.46	139.10
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,333.24	139.10
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,576.71	139.10
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,838.98	244.70
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,980.89	244.70
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,291.77	244.70
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,886.25	244.70
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,880.14	244.70
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,102.05	244.70
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,528.81	244.70
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,197.83	262.17
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,499.14	262.17
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,883.81	262.17
33 05 63 00-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,037.74	262.17
33 05 63 00-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,091.24	262.17
33 05 63 00-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,677.38	262.17
33 05 63 00-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,539.07	262.17
33 05 63 00-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,774.11	262.17
33 05 63 00-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,393.62	279.66
33 05 63 00-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,737.39	279.66
33 05 63 00-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,740.01	279.66
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	765.52	75.88
33 05 63 00-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	892.89	75.88
33 05 63 00-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	342.55	22.79
33 05 63 00-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	508.85	22.79
33 05 63 00-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	692.67	22.79
33 05 63 00-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	718.27	22.79
33 05 63 00-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	582.93	50.58
33 05 63 00-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	610.22	50.58
33 05 63 00-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	646.69	50.58
33 05 63 00-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	472.80	22.79
33 05 63 00-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	564.35	22.79
33 05 63 00-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	645.80	50.58
33 05 63 00-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	711.72	50.58

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	671.13	50.58
33 05 63 00-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	764.29	75.88
33 05 63 00-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	829.74	75.88
33 05 63 00-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	919.10	75.88
33 05 63 00-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	991.05	75.88
33 05 63 00-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,135.02	75.88
33 05 63 00-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,222.99	75.88
33 05 63 00-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,318.42	75.88
33 05 63 00-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,379.10	75.88
33 05 63 00-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,677.95	101.17
33 05 63 00-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,688.29	139.10
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,107.56	139.10
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,494.73	139.10
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,739.13	139.10
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,983.40	139.10
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,452.19	244.70
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,763.54	244.70
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,357.56	244.70

33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)

33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	694.34	75.88
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	825.25	75.88
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	245.24	22.79
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	423.41	22.79
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	621.57	22.79
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	647.63	22.79
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	536.12	50.58
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	611.98	50.58
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	366.69	22.79
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	573.40	50.58
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	667.90	50.58
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	597.96	50.58
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	754.26	75.88
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	883.47	75.88
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	926.44	75.88
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,028.75	75.88
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,122.87	75.88
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,211.73	75.88
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,370.84	75.88
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,393.02	75.88
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,705.70	101.17
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,724.27	139.10
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,187.31	139.10
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,645.23	139.10
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,949.39	139.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,253.55	139.10
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,405.67	244.70
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,547.62	244.70
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,882.75	244.70
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,476.81	244.70
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,738.85	244.70
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,820.90	244.70
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,616.92	244.70
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,239.51	262.17
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,395.20	262.17
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,836.84	262.17
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,171.09	262.17
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,724.30	262.17
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,919.72	262.17
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,096.49	262.17
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,632.86	262.17
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,868.98	279.66
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,213.29	279.66
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	11,196.53	279.66
33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	917.22	75.88
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,090.16	75.88
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	396.66	22.79
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	620.31	22.79
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	791.14	22.79
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	817.54	22.79
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	731.24	50.58
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	806.65	50.58
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	583.06	22.79
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	767.64	50.58
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	862.14	50.58
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	739.47	50.58
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	972.83	75.88
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,102.04	75.88
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,185.71	75.88
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,288.06	75.88
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,382.14	75.88
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,471.04	75.88
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,630.19	75.88
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,652.28	75.88
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,063.39	101.17

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,131.42	139.10
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,594.04	139.10
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,051.47	139.10
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,355.86	139.10
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,660.25	139.10
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,019.35	244.70
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,354.94	244.70
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,948.58	244.70
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	748.69	75.88
33 05 63 00-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	506.60	50.58
33 05 63 00-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	579.47	50.58
33 05 63 00-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	654.11	75.88
33 05 63 00-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	530.47	50.58
33 05 63 00-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	600.26	50.58
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 63 00-0069)</small>		
Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	518.44	75.88
33 05 63 00-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	594.38	75.88
33 05 63 00-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	662.51	101.17
33 05 63 00-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	737.07	101.17
33 05 63 00-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	846.31	139.10
33 05 63 00-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,538.60	244.70
33 05 63 00-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,457.09	244.70
33 05 63 00-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,474.88	244.70
33 05 63 00-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,071.59	262.17
33 05 63 00-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,453.03	279.66
33 05 63 00-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	4,637.15	279.66
33 05 63 00-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	916.91	75.88
33 05 63 00-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	963.30	75.88
33 05 63 00-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,002.41	101.17
33 05 63 00-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,077.78	101.17
33 05 63 00-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,219.10	139.10
33 05 63 00-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,983.92	244.70
33 05 63 00-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	690.12	75.88
33 05 63 00-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	781.63	75.88
33 05 63 00-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	977.59	139.10
33 05 63 00-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,984.31	262.17
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0069)</small>		
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
33 05 63 00-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	208.42	10.13
33 05 63 00-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	211.34	10.13
33 05 63 00-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	194.62	10.13
33 05 63 00-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	211.92	10.13
33 05 63 00-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	214.14	10.12
33 05 63 00-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	248.19	10.12
33 05 63 00-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	290.31	10.12



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various design loads for Polymer Concrete Handhole Enclosure Covers and Gaskets, with costs ranging from approximately 1,169.51 to 12,551.51.

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,809.14	46.61
33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)		
33 05 63 00-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	121.79	10.13
33 05 63 00-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	147.85	10.13
33 05 63 00-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	182.94	10.13
33 05 63 00-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	198.54	10.13
33 05 63 00-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	198.11	10.12
33 05 63 00-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	238.08	10.12
33 05 63 00-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	277.36	10.12
33 05 63 00-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	687.80	15.18
33 05 63 00-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,290.18	46.61
33 05 63 00-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,947.57	31.46
33 05 63 00-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,693.56	31.46
33 05 63 00-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,552.38	31.46
33 05 63 00-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,461.57	31.46
33 05 63 00-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,953.28	31.46
33 05 63 00-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,159.86	31.46
33 05 63 00-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	5,075.43	31.46
33 05 63 00-0394 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	168.63	10.12
33 05 63 00-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	164.29	10.12
33 05 63 00-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	250.26	10.12
33 05 63 00-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	276.59	10.12
33 05 63 00-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	315.18	10.12
33 05 63 00-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	235.81	10.12
33 05 63 00-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	264.87	10.12
33 05 63 00-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	382.36	10.12
33 05 63 00-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	552.24	15.18
33 05 63 00-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	695.91	15.18
33 05 63 00-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	687.37	15.18
33 05 63 00-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,247.88	24.47
33 05 63 00-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,290.18	27.97
33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)		
33 05 63 00-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,029.39	31.46
33 05 63 00-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,956.31	31.46
33 05 63 00-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,700.72	46.61
33 05 63 00-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,266.57	46.61
33 05 63 00-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,418.60	31.46
33 05 63 00-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	3,310.70	31.46
33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)		
33 05 63 00-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	783.96	15.18
33 05 63 00-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,468.18	24.47
33 05 63 00-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,532.12	46.61
33 05 63 00-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	114.53	10.13
33 05 63 00-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	199.93	10.13
33 05 63 00-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	221.53	10.13
33 05 63 00-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	235.82	10.13
33 05 63 00-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	205.03	10.12
33 05 63 00-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	372.83	10.12
33 05 63 00-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,058.29	15.18
33 05 63 00-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,962.92	24.47
33 05 63 00-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	2,054.15	46.61
33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover	991.55	253.45
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 18.00		
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,684.69	380.17
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 110.37		
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover	2,024.31	506.89
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 194.10		
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,110.55	506.89
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 245.66		
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,466.62	633.62
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 296.15		
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,609.71	633.62
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 324.61		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	3,003.83 379.56	760.34
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	3,443.66 527.85	887.07
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	3,429.06 568.88	760.34
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	3,465.63 398.68	760.34
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	757.38 15.00	253.45
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	897.77 15.00	285.13
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	1,115.17 15.00	316.81

33 05 81 Metallic Castings for Utility Structures (33 05)

33 05 81 00-0001 Manhole Accessories (33 05 81)

33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001)
See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	101.93
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes.....	68.04
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes.....	95.88

33 05 81 00-0006 Manhole Covers And Frames (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	2,374.15	89.73
		For Ductile Iron Castings, Add	1,472.02	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,292.00	89.73
		For Ductile Iron Castings, Add	714.51	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	1,493.20	104.34
		For Ductile Iron Castings, Add	826.13	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame	2,398.35	115.81
		For Ductile Iron Castings, Add	1,435.40	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	2,003.86	125.20
		For Ductile Iron Castings, Add	1,138.73	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	2,091.33	130.42
		For Ductile Iron Castings, Add	1,190.06	

33 05 81 00-0014 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,616.98	74.08
		For Ductile Iron Castings, Add	1,625.48	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,648.87	74.08
		For Ductile Iron Castings, Add	1,630.80	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,692.87	86.60
		For Ductile Iron Castings, Add	1,641.56	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,220.90	97.03
		For Ductile Iron Castings, Add	1,990.65	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,748.39	99.12
		For Ductile Iron Castings, Add	2,350.01	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,951.11	101.21
		For Ductile Iron Castings, Add	2,488.32	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,132.47	104.34
		For Ductile Iron Castings, Add	2,611.55	

33 05 81 00-0022 Aluminum Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame	1,187.70	31.59
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame	2,181.84	34.97
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame	3,133.87	40.61

33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame	418.32
------------------	----	---	--------

33 05 83 Non-Metallic Accessories for Utility Structures (33 05)

33 05 83 00-0001 Manhole Accessories (33 05 83)

33 Utilities**33 05 Common Work Results for Utilities****33 05 83 Non-Metallic Accessories for Utility Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0002			Steps For Cast-In-Place Manholes (33 05 83 00-0001) See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 83 00-0003	EA		Polypropylene Manhole Step For New Manholes	52.00	
33 05 83 00-0004			Rainguard Inflow Protectors (33 05 83)		
33 05 83 00-0005	EA		18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	134.06	21.60
33 05 83 00-0006	EA		22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	157.40	21.60
33 05 83 00-0007	EA		24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	188.14	25.93
33 05 83 00-0008	EA		26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	202.89	25.93
33 05 83 00-0009	EA		30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	253.03	30.25
33 05 83 00-0010	EA		32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	271.15	30.25
33 05 84			Accessories for Utility Structures (33 05)		
			See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 05 84 00-0001			Manhole Accessories (33 05 84)		
33 05 84 00-0002			Precast Concrete Manhole Tops (33 05 84 00-0001)		
33 05 84 00-0003			Precast Concrete Manhole Slab Tops (33 05 84 00-0002)		
33 05 84 00-0004	EA		3' Diameter x 8" Thick Precast Manhole Top Slab	591.56	78.25
33 05 84 00-0005	EA		4' Diameter x 8" Thick Precast Manhole Top Slab	834.08	84.51
33 05 84 00-0006	EA		5' Diameter x 8" Thick Precast Manhole Top Slab	1,135.23	90.78
33 05 84 00-0007	EA		6' Diameter x 8" Thick Precast Manhole Top Slab	1,362.46	97.03
33 05 84 00-0008			Precast Concrete Manhole Cone Tops (33 05 84 00-0002)		
33 05 84 00-0009	EA		3' Diameter x 8" Thick Precast Manhole Top Cone.....	948.36	97.82
33 05 84 00-0010	EA		3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,056.85	101.73
33 05 84 00-0011	EA		4' Diameter x 8" Thick Precast Manhole Top Cone.....	1,165.37	105.64
33 05 84 00-0012	EA		5' Diameter x 8" Thick Precast Manhole Top Cone.....	1,377.13	112.16
33 05 84 00-0013	EA		6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,594.15	119.99
33 05 84 00-0014	EA		7' Diameter x 8" Thick Precast Manhole Top Cone.....	2,543.26	127.82
33 05 84 00-0015	EA		8' Diameter x 10" Thick Precast Manhole Top Cone.....	3,199.52	140.85
33 05 84 00-0016			Precast Concrete Manhole Reducer Slabs (33 05 84 00-0002)		
33 05 84 00-0017	EA		5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,288.85	90.78
33 05 84 00-0018	EA		6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,668.30	97.03
33 05 84 00-0019	EA		7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,216.14	97.03
33 05 84 00-0020	EA		8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,532.46	97.03
33 05 84 00-0021	EA		10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,556.52	97.03
33 05 84 00-0022	EA		12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,618.68	97.03
33 05 84 00-0023			Pipe To Manhole Connector (33 05 84 00-0001)		
33 05 84 00-0024			Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0001)		
33 05 84 00-0025	EA		4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	145.11	
33 05 84 00-0026	EA		6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	226.88	
33 05 84 00-0027	EA		8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	255.12	
33 05 84 00-0028	EA		10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	406.50	
33 05 84 00-0029	EA		12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	576.55	
33 05 84 00-0030	EA		15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	755.25	
33 05 84 00-0031	EA		18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,408.70	
33 05 84 00-0032	EA		21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,967.98	
33 05 84 00-0033	EA		24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	3,161.68	
33 05 84 00-0034	EA		27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	3,705.27	
33 05 84 00-0035			Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0023) Note: Fernco CMA.		
33 05 84 00-0036	EA		4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	110.13	
33 05 84 00-0037	EA		6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	153.31	
33 05 84 00-0038	EA		8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	193.83	
33 05 84 00-0039	EA		10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	234.14	
33 05 84 00-0040	EA		12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	271.55	
33 05 84 00-0041			Brick And Grout Pipe To Manhole Connector (33 05 84 00-0023)		
33 05 84 00-0042	EA		Seal Gap Between Pipe And Structure With Brick And Grout.....	287.70	
33 05 84 00-0043			Inverts For Manholes (33 05 84 00-0001)		
33 05 84 00-0044	EA		Single Channel Concrete Invert For Manholes	475.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0045 EA Double Channel Concrete Invert For Manholes.....	681.57	
33 05 84 00-0046 EA Triple Channel Concrete Invert For Manholes.....	919.58	
33 05 84 00-0047 EA Quad Channel Concrete Invert For Manholes.....	1,157.52	
33 05 84 00-0048 EA Single Channel Brick Invert For Manholes.....	677.82	
33 05 84 00-0049 EA Double Channel Brick Invert For Manholes.....	1,014.58	
33 05 84 00-0050 EA Triple Channel Brick Invert For Manholes.....	1,357.10	
33 05 84 00-0051 EA Quad Channel Brick Invert For Manholes.....	1,695.94	
33 05 84 00-0052 Protective Coating For New Manholes (33 05 84 00-0001)		
33 05 84 00-0053 Polyurethane Protective Coating For New Manholes (33 05 84 00-0052)		
33 05 84 00-0054 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	220.02	
For 80 Mil Material, Add	32.26	
For 100 Mil Material, Add	64.51	
For 125 Mil Material, Add	101.65	
For 150 Mil Material, Add	139.19	
For 200 Mil Material, Add	205.92	
For 2 To 5 Manholes, Deduct	-14.98	
For 6 To 10 Manholes, Deduct	-24.45	
For >10 Manholes, Deduct	-48.91	
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	265.58	
For 80 Mil Material, Add	38.32	
For 100 Mil Material, Add	76.63	
For 125 Mil Material, Add	120.89	
For 150 Mil Material, Add	165.14	
For 200 Mil Material, Add	243.92	
For 2 To 5 Manholes, Deduct	-18.14	
For 6 To 10 Manholes, Deduct	-29.64	
For >10 Manholes, Deduct	-59.27	
33 05 84 00-0056 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	293.35	
For 80 Mil Material, Add	43.01	
For 100 Mil Material, Add	86.02	
For 125 Mil Material, Add	135.80	
For 150 Mil Material, Add	185.59	
For 200 Mil Material, Add	274.56	
For 2 To 5 Manholes, Deduct	-19.97	
For 6 To 10 Manholes, Deduct	-32.60	
For >10 Manholes, Deduct	-65.21	
33 05 84 00-0057 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	366.75	
For 80 Mil Material, Add	53.78	
For 100 Mil Material, Add	107.56	
For 125 Mil Material, Add	169.82	
For 150 Mil Material, Add	232.08	
For 200 Mil Material, Add	343.34	
For 2 To 5 Manholes, Deduct	-24.96	
For 6 To 10 Manholes, Deduct	-40.76	
For >10 Manholes, Deduct	-81.52	
33 05 84 00-0058 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior.....	425.95	
For 80 Mil Material, Add	63.47	
For 100 Mil Material, Add	126.95	
For 125 Mil Material, Add	200.59	
For 150 Mil Material, Add	274.23	
For 200 Mil Material, Add	406.32	
For 2 To 5 Manholes, Deduct	-28.90	
For 6 To 10 Manholes, Deduct	-47.14	
For >10 Manholes, Deduct	-94.28	
33 05 84 00-0059 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0052)		
Note: For new manholes and shop applied.		
33 05 84 00-0060 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	286.75	
33 05 84 00-0061 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	351.50	
33 05 84 00-0062 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	428.96	
33 05 84 00-0063 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	538.69	
33 05 84 00-0064 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	648.42	
33 05 84 00-0065 SF Polyvinyl Chloride (PVC) Liner At Structures.....	90.04	
33 05 84 00-0066 Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)		
33 05 84 00-0067 18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0066)		
33 05 84 00-0068 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	89.07	
33 05 84 00-0069 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	97.50	
33 05 84 00-0070 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	105.92	
33 05 84 00-0071 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	114.35	
33 05 84 00-0072 24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0066)		
33 05 84 00-0073 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	100.04	
33 05 84 00-0074 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	109.61	
33 05 84 00-0075 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	119.19	
33 05 84 00-0076 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	128.76	

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0077 30" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0066)</small>		
33 05 84 00-0078 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	110.77	
33 05 84 00-0079 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	121.44	
33 05 84 00-0080 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	132.12	
33 05 84 00-0081 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	142.79	
33 05 84 00-0082 Bentonite Collar <small>(33 05 84 00-0001)</small>		
33 05 84 00-0083 Bentonite Collar At Manhole Connections <small>(33 05 84 00-0082)</small>		
33 05 84 00-0084 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	180.49	
33 05 84 00-0085 EA >12" To 21", Bentonite Collar At Manhole Connection	286.16	
33 05 84 00-0086 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	455.87	
33 05 84 00-0087 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	1,068.31	
33 05 84 00-0088 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,650.66	
33 05 84 00-0089 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,992.76	
33 05 84 00-0090 Waste Water Collection System Taps <small>(33 05 84)</small>		
Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0091 Brick Manhole Taps <small>(33 05 84 00-0090)</small>		
33 05 84 00-0092 EA 4" Tap In 6" Brick Manhole	541.26	
33 05 84 00-0093 EA 6" Tap In 6" Brick Manhole	604.11	
33 05 84 00-0094 EA 8" Tap In 6" Brick Manhole	665.84	
33 05 84 00-0095 EA 10" Tap In 6" Brick Manhole	727.45	
33 05 84 00-0096 EA 12" Tap In 6" Brick Manhole	803.63	
33 05 84 00-0097 EA 15" Tap In 6" Brick Manhole	865.11	
33 05 84 00-0098 Precast Concrete Manhole Tap <small>(33 05 84 00-0090)</small>		
33 05 84 00-0099 EA 4" Tap In Existing Precast Concrete Manhole.....	787.88	
33 05 84 00-0100 EA 6" Tap In Existing Precast Concrete Manhole.....	882.16	
33 05 84 00-0101 EA 8" Tap In Existing Precast Concrete Manhole.....	987.18	
33 05 84 00-0102 EA 10" Tap In Existing Precast Concrete Manhole.....	1,079.59	
33 05 84 00-0103 EA 12" Tap In Existing Precast Concrete Manhole.....	1,171.83	
33 05 84 00-0104 EA 15" Tap In Existing Precast Concrete Manhole.....	1,266.30	
33 05 84 00-0105 EA 18" Tap In Existing Precast Concrete Manhole.....	1,460.16	
33 05 84 00-0106 EA 24" Tap In Existing Precast Concrete Manhole.....	1,878.76	
33 05 97 Identification and Signage for Utilities <small>(33 05)</small>		
33 05 97 23 Utility Identification Warning Tape <small>(33 05 97)</small>		
33 05 97 23-0001 Non-Detectable Utility Warning Tape <small>(33 05 97 23)</small>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002 CLF 3" Non-Detectable Utility Warning Tape	7.79	
33 05 97 23-0003 CLF 6" Non-Detectable Utility Warning Tape	11.09	
33 05 97 23-0004 Detectable Utility Warning Tape <small>(33 05 97 23)</small>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005 CLF 2" Detectable Utility Warning Tape	7.94	
33 05 97 23-0006 CLF 3" Detectable Utility Warning Tape	10.94	
33 05 97 23-0007 CLF 6" Detectable Utility Warning Tape	17.70	
33 10 Water Utilities <small>(33)</small>		
33 11 Groundwater Sources <small>(33 10)</small>		
33 11 13 Potable Water Supply Wells <small>(33 11)</small>		
33 11 13 00-0001 Drill And Test Water Well <small>(33 11 13)</small>		
33 11 13 00-0002 Drill Hole <small>(33 11 13 00-0001)</small>		
Note: Excludes loading and hauling of spoils.		
33 11 13 00-0003 Mobilization And Demobilization <small>(33 11 13 00-0002)</small>		
33 11 13 00-0004 EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	1,057.88	
33 11 13 00-0005 EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,289.09	
33 11 13 00-0006 EA >24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,933.64	
33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. <small>(33 11 13 00-0002)</small>		
Note: Excludes well casing, gravel or materials.		



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0008 LF Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	24.98	
For >100 To 250, Add	0.62	
For >250 To 400, Add	1.25	
For >400 To 600, Add	1.87	
For >600 To 750, Add	2.50	
For >750, Add	3.12	
33 11 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	29.65	
For >100 To 250, Add	0.74	
For >250 To 400, Add	1.48	
For >400 To 600, Add	2.22	
For >600 To 750, Add	2.97	
For >750, Add	3.71	
33 11 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	39.64	
For >100 To 250, Add	0.99	
For >250 To 400, Add	1.98	
For >400 To 600, Add	2.97	
For >600 To 750, Add	3.96	
For >750, Add	4.96	
33 11 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	62.04	
For >100 To 250, Add	1.55	
For >250 To 400, Add	3.10	
For >400 To 600, Add	4.65	
For >600 To 750, Add	6.20	
For >750, Add	7.76	
33 11 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	89.27	
For >100 To 250, Add	2.23	
For >250 To 400, Add	4.46	
For >400 To 600, Add	6.70	
For >600 To 750, Add	8.93	
For >750, Add	11.16	
33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	116.66	
For >100 To 250, Add	2.92	
For >250 To 400, Add	5.83	
For >400 To 600, Add	8.75	
For >600 To 750, Add	11.67	
For >750, Add	14.58	
33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	138.58	
For >100 To 250, Add	3.46	
For >250 To 400, Add	6.93	
For >400 To 600, Add	10.39	
For >600 To 750, Add	13.86	
For >750, Add	17.32	
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	161.14	
For >100 To 250, Add	4.03	
For >250 To 400, Add	8.06	
For >400 To 600, Add	12.09	
For >600 To 750, Add	16.11	
For >750, Add	20.14	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	189.33	
For >100 To 250, Add	4.73	
For >250 To 400, Add	9.47	
For >400 To 600, Add	14.20	
For >600 To 750, Add	18.93	
For >750, Add	23.67	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	223.18	
For >100 To 250, Add	5.58	
For >250 To 400, Add	11.16	
For >400 To 600, Add	16.74	
For >600 To 750, Add	22.32	
For >750, Add	27.90	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	241.22	
For >100 To 250, Add	6.03	
For >250 To 400, Add	12.06	
For >400 To 600, Add	18.09	
For >600 To 750, Add	24.12	
For >750, Add	30.15	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	265.39	
For >100 To 250, Add	6.63	
For >250 To 400, Add	13.27	
For >400 To 600, Add	19.90	
For >600 To 750, Add	26.54	
For >750, Add	33.17	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	290.69	
For >100 To 250, Add	7.27	
For >250 To 400, Add	14.53	
For >400 To 600, Add	21.80	
For >600 To 750, Add	29.07	
For >750, Add	36.34	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	361.59	
For >100 To 250, Add	9.04	
For >250 To 400, Add	18.08	
For >400 To 600, Add	27.12	
For >600 To 750, Add	36.16	
For >750, Add	45.20	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 11 13 00-0002)</small>		
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	50.92	
<i>For>100 To 250, Add</i>	1.27	
<i>For>250 To 400, Add</i>	2.55	
<i>For>400 To 600, Add</i>	3.82	
<i>For>600 To 750, Add</i>	5.09	
<i>For>750, Add</i>	6.37	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	59.30	
<i>For>100 To 250, Add</i>	1.48	
<i>For>250 To 400, Add</i>	2.97	
<i>For>400 To 600, Add</i>	4.45	
<i>For>600 To 750, Add</i>	5.93	
<i>For>750, Add</i>	7.41	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	94.95	
<i>For>100 To 250, Add</i>	2.37	
<i>For>250 To 400, Add</i>	4.75	
<i>For>400 To 600, Add</i>	7.12	
<i>For>600 To 750, Add</i>	9.50	
<i>For>750, Add</i>	11.87	
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	124.14	
<i>For>100 To 250, Add</i>	3.10	
<i>For>250 To 400, Add</i>	6.21	
<i>For>400 To 600, Add</i>	9.31	
<i>For>600 To 750, Add</i>	12.41	
<i>For>750, Add</i>	15.52	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	178.67	
<i>For>100 To 250, Add</i>	4.47	
<i>For>250 To 400, Add</i>	8.93	
<i>For>400 To 600, Add</i>	13.40	
<i>For>600 To 750, Add</i>	17.87	
<i>For>750, Add</i>	22.33	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	233.20	
<i>For>100 To 250, Add</i>	5.83	
<i>For>250 To 400, Add</i>	11.66	
<i>For>400 To 600, Add</i>	17.49	
<i>For>600 To 750, Add</i>	23.32	
<i>For>750, Add</i>	29.15	
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	277.28	
<i>For>100 To 250, Add</i>	6.93	
<i>For>250 To 400, Add</i>	13.86	
<i>For>400 To 600, Add</i>	20.80	
<i>For>600 To 750, Add</i>	27.73	
<i>For>750, Add</i>	34.66	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	321.76	
<i>For>100 To 250, Add</i>	8.04	
<i>For>250 To 400, Add</i>	16.09	
<i>For>400 To 600, Add</i>	24.13	
<i>For>600 To 750, Add</i>	32.18	
<i>For>750, Add</i>	40.22	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	378.99	
<i>For>100 To 250, Add</i>	9.47	
<i>For>250 To 400, Add</i>	18.95	
<i>For>400 To 600, Add</i>	28.42	
<i>For>600 To 750, Add</i>	37.90	
<i>For>750, Add</i>	47.37	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	437.78	
<i>For>100 To 250, Add</i>	10.94	
<i>For>250 To 400, Add</i>	21.89	
<i>For>400 To 600, Add</i>	32.83	
<i>For>600 To 750, Add</i>	43.78	
<i>For>750, Add</i>	54.72	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	482.45	
<i>For>100 To 250, Add</i>	12.06	
<i>For>250 To 400, Add</i>	24.12	
<i>For>400 To 600, Add</i>	36.18	
<i>For>600 To 750, Add</i>	48.25	
<i>For>750, Add</i>	60.31	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	530.79	
<i>For>100 To 250, Add</i>	13.27	
<i>For>250 To 400, Add</i>	26.54	
<i>For>400 To 600, Add</i>	39.81	
<i>For>600 To 750, Add</i>	53.08	
<i>For>750, Add</i>	66.35	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	581.38	
<i>For>100 To 250, Add</i>	14.53	
<i>For>250 To 400, Add</i>	29.07	
<i>For>400 To 600, Add</i>	43.60	
<i>For>600 To 750, Add</i>	58.14	
<i>For>750, Add</i>	72.67	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	723.18	
<i>For>100 To 250, Add</i>	18.08	
<i>For>250 To 400, Add</i>	36.16	
<i>For>400 To 600, Add</i>	54.24	
<i>For>600 To 750, Add</i>	72.32	
<i>For>750, Add</i>	90.40	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0037 Drill Hole In Crystalline Rock <small>(33 11 13 00-0002)</small>		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	104.73	
<i>For >100 To 250, Add</i>	2.62	
<i>For >250 To 400, Add</i>	5.24	
<i>For >400 To 600, Add</i>	7.85	
<i>For >600 To 750, Add</i>	10.47	
<i>For >750, Add</i>	13.09	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	120.86	
<i>For >100 To 250, Add</i>	3.02	
<i>For >250 To 400, Add</i>	6.04	
<i>For >400 To 600, Add</i>	9.06	
<i>For >600 To 750, Add</i>	12.09	
<i>For >750, Add</i>	15.11	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	138.58	
<i>For >100 To 250, Add</i>	3.46	
<i>For >250 To 400, Add</i>	6.93	
<i>For >400 To 600, Add</i>	10.39	
<i>For >600 To 750, Add</i>	13.86	
<i>For >750, Add</i>	17.32	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	175.64	
<i>For >100 To 250, Add</i>	4.39	
<i>For >250 To 400, Add</i>	8.78	
<i>For >400 To 600, Add</i>	13.17	
<i>For >600 To 750, Add</i>	17.56	
<i>For >750, Add</i>	21.96	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	227.20	
<i>For >100 To 250, Add</i>	5.68	
<i>For >250 To 400, Add</i>	11.36	
<i>For >400 To 600, Add</i>	17.04	
<i>For >600 To 750, Add</i>	22.72	
<i>For >750, Add</i>	28.40	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	330.33	
<i>For >100 To 250, Add</i>	8.26	
<i>For >250 To 400, Add</i>	16.52	
<i>For >400 To 600, Add</i>	24.77	
<i>For >600 To 750, Add</i>	33.03	
<i>For >750, Add</i>	41.29	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	393.17	
<i>For >100 To 250, Add</i>	9.83	
<i>For >250 To 400, Add</i>	19.66	
<i>For >400 To 600, Add</i>	29.49	
<i>For >600 To 750, Add</i>	39.32	
<i>For >750, Add</i>	49.15	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	456.02	
<i>For >100 To 250, Add</i>	11.40	
<i>For >250 To 400, Add</i>	22.80	
<i>For >400 To 600, Add</i>	34.20	
<i>For >600 To 750, Add</i>	45.60	
<i>For >750, Add</i>	57.00	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	536.58	
<i>For >100 To 250, Add</i>	13.41	
<i>For >250 To 400, Add</i>	26.83	
<i>For >400 To 600, Add</i>	40.24	
<i>For >600 To 750, Add</i>	53.66	
<i>For >750, Add</i>	67.07	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	620.38	
<i>For >100 To 250, Add</i>	15.51	
<i>For >250 To 400, Add</i>	31.02	
<i>For >400 To 600, Add</i>	46.53	
<i>For >600 To 750, Add</i>	62.04	
<i>For >750, Add</i>	77.55	
33 11 13 00-0048 Furnish And Install Casing <small>(33 11 13 00-0001)</small>		
Note: Excludes drilling of hole.		
33 11 13 00-0049 Steel Well Casing <small>(33 11 13 00-0048)</small>		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush	46.75	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 400, Deduct</i>	-2.55	
<i>For >400 To 600, Deduct</i>	-3.82	
<i>For >600 To 750, Deduct</i>	-5.10	
<i>For >750, Deduct</i>	-6.64	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush	58.11	
<i>For >100 To 250, Deduct</i>	-1.72	
<i>For >250 To 400, Deduct</i>	-3.17	
<i>For >400 To 600, Deduct</i>	-4.75	
<i>For >600 To 750, Deduct</i>	-6.34	
<i>For >750, Deduct</i>	-8.27	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush	86.49	
For>100 To 250, Deduct	-2.48	
For>250 To 400, Deduct	-4.64	
For>400 To 600, Deduct	-6.96	
For>600 To 750, Deduct	-9.28	
For>750, Deduct	-12.01	
33 11 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush	146.00	
For>100 To 250, Deduct	-4.03	
For>250 To 400, Deduct	-7.68	
For>400 To 600, Deduct	-11.52	
For>600 To 750, Deduct	-15.36	
For>750, Deduct	-19.69	
33 11 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush	163.14	
For>100 To 250, Deduct	-4.61	
For>250 To 400, Deduct	-8.68	
For>400 To 600, Deduct	-13.03	
For>600 To 750, Deduct	-17.37	
For>750, Deduct	-22.39	
33 11 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush	191.33	
For>100 To 250, Deduct	-5.44	
For>250 To 400, Deduct	-10.22	
For>400 To 600, Deduct	-15.33	
For>600 To 750, Deduct	-20.44	
For>750, Deduct	-26.40	
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush	217.85	
For>100 To 250, Deduct	-6.27	
For>250 To 400, Deduct	-11.71	
For>400 To 600, Deduct	-17.57	
For>600 To 750, Deduct	-23.43	
For>750, Deduct	-30.35	
33 11 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush	247.93	
For>100 To 250, Deduct	-7.21	
For>250 To 400, Deduct	-13.41	
For>400 To 600, Deduct	-20.11	
For>600 To 750, Deduct	-26.82	
For>750, Deduct	-34.84	
33 11 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush	290.02	
For>100 To 250, Deduct	-8.39	
For>250 To 400, Deduct	-15.64	
For>400 To 600, Deduct	-23.46	
For>600 To 750, Deduct	-31.28	
For>750, Deduct	-40.58	
33 11 13 00-0059 LB Steel Well Casing, Furnish And Install	1.47	
For>100 To 250, Deduct	-0.05	
For>250 To 400, Deduct	-0.09	
For>400 To 600, Deduct	-0.13	
For>600 To 750, Deduct	-0.18	
For>750, Deduct	-0.24	
33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded (33 11 13 00-0048)		
33 11 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush	104.97	
For>100 To 250, Deduct	-2.84	
For>250 To 400, Deduct	-5.46	
For>400 To 600, Deduct	-8.19	
For>600 To 750, Deduct	-10.92	
For>750, Deduct	-13.92	
33 11 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush	158.35	
For>100 To 250, Deduct	-4.22	
For>250 To 400, Deduct	-8.18	
For>400 To 600, Deduct	-12.27	
For>600 To 750, Deduct	-16.36	
For>750, Deduct	-20.80	
33 11 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush	221.65	
For>100 To 250, Deduct	-5.88	
For>250 To 400, Deduct	-11.42	
For>400 To 600, Deduct	-17.13	
For>600 To 750, Deduct	-22.84	
For>750, Deduct	-28.99	
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush	257.65	
For>100 To 250, Deduct	-6.84	
For>250 To 400, Deduct	-13.28	
For>400 To 600, Deduct	-19.92	
For>600 To 750, Deduct	-26.57	
For>750, Deduct	-33.73	
33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring (33 11 13 00-0048)		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	231.76	
For>100 To 250, Deduct	-6.38	
For>250 To 400, Deduct	-12.18	
For>400 To 600, Deduct	-18.27	
For>600 To 750, Deduct	-24.36	
For>750, Deduct	-31.21	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	268.62	
For >100 To 250, Deduct	-7.39	
For >250 To 400, Deduct	-14.11	
For >400 To 600, Deduct	-21.16	
For >600 To 750, Deduct	-28.21	
For >750, Deduct	-36.14	
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	323.51	
For >100 To 250, Deduct	-8.85	
For >250 To 400, Deduct	-16.93	
For >400 To 600, Deduct	-25.40	
For >600 To 750, Deduct	-33.87	
For >750, Deduct	-43.32	
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	370.50	
For >100 To 250, Deduct	-10.13	
For >250 To 400, Deduct	-19.39	
For >400 To 600, Deduct	-29.08	
For >600 To 750, Deduct	-38.78	
For >750, Deduct	-49.60	
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	408.63	
For >100 To 250, Deduct	-11.21	
For >250 To 400, Deduct	-21.42	
For >400 To 600, Deduct	-32.13	
For >600 To 750, Deduct	-42.84	
For >750, Deduct	-54.84	
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	537.03	
For >100 To 250, Deduct	-14.61	
For >250 To 400, Deduct	-28.03	
For >400 To 600, Deduct	-42.05	
For >600 To 750, Deduct	-56.06	
For >750, Deduct	-71.61	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	708.64	
For >100 To 250, Deduct	-19.19	
For >250 To 400, Deduct	-36.91	
For >400 To 600, Deduct	-55.36	
For >600 To 750, Deduct	-73.81	
For >750, Deduct	-94.19	
33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	88.33	
For >100 To 250, Deduct	-2.38	
For >250 To 400, Deduct	-4.59	
For >400 To 600, Deduct	-6.88	
For >600 To 750, Deduct	-9.17	
For >750, Deduct	-11.68	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	140.48	
For >100 To 250, Deduct	-3.78	
For >250 To 400, Deduct	-7.29	
For >400 To 600, Deduct	-10.93	
For >600 To 750, Deduct	-14.58	
For >750, Deduct	-18.56	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	212.20	
For >100 To 250, Deduct	-5.71	
For >250 To 400, Deduct	-11.01	
For >400 To 600, Deduct	-16.52	
For >600 To 750, Deduct	-22.02	
For >750, Deduct	-28.05	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	249.81	
For >100 To 250, Deduct	-6.73	
For >250 To 400, Deduct	-12.98	
For >400 To 600, Deduct	-19.46	
For >600 To 750, Deduct	-25.95	
For >750, Deduct	-33.07	
33 11 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 11 13 00-0001)</small>		
33 11 13 00-0079 Stainless Steel Well Screen <small>(33 11 13 00-0078)</small>		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen	30.50	1.69
For >100 To 250, Deduct	-0.98	
For >250 To 400, Deduct	-1.74	
For >400 To 600, Deduct	-2.61	
For >600 To 750, Deduct	-3.48	
For >750, Deduct	-4.63	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen	50.00	1.69
For >100 To 250, Deduct	-1.48	
For >250 To 400, Deduct	-2.73	
For >400 To 600, Deduct	-4.10	
For >600 To 750, Deduct	-5.47	
For >750, Deduct	-7.14	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen	62.79	2.53
For >100 To 250, Deduct	-1.87	
For >250 To 400, Deduct	-3.43	
For >400 To 600, Deduct	-5.15	
For >600 To 750, Deduct	-6.87	
For >750, Deduct	-8.97	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0083 LF 5" Stainless Steel Well Screen.....	79.71	2.53
For>100 To 250, Deduct	-2.34	
For>250 To 400, Deduct	-4.34	
For>400 To 600, Deduct	-6.51	
For>600 To 750, Deduct	-8.67	
For>750, Deduct	-11.30	
33 11 13 00-0084 LF 6" Stainless Steel Well Screen.....	94.90	3.37
For>100 To 250, Deduct	-2.84	
For>250 To 400, Deduct	-5.21	
For>400 To 600, Deduct	-7.82	
For>600 To 750, Deduct	-10.43	
For>750, Deduct	-13.64	
33 11 13 00-0085 LF 8" Stainless Steel Well Screen.....	124.04	4.22
For>100 To 250, Deduct	-3.70	
For>250 To 400, Deduct	-6.80	
For>400 To 600, Deduct	-10.20	
For>600 To 750, Deduct	-13.60	
For>750, Deduct	-17.78	
33 11 13 00-0086 LF 10" Stainless Steel Well Screen.....	156.70	6.75
For>100 To 250, Deduct	-4.73	
For>250 To 400, Deduct	-8.64	
For>400 To 600, Deduct	-12.97	
For>600 To 750, Deduct	-17.29	
For>750, Deduct	-22.66	
33 11 13 00-0087 LF 12" Stainless Steel Well Screen.....	183.90	8.43
For>100 To 250, Deduct	-5.54	
For>250 To 400, Deduct	-10.14	
For>400 To 600, Deduct	-15.21	
For>600 To 750, Deduct	-20.28	
For>750, Deduct	-26.58	
33 11 13 00-0088 LF 14" Stainless Steel Well Screen.....	201.14	9.28
For>100 To 250, Deduct	-6.12	
For>250 To 400, Deduct	-11.14	
For>400 To 600, Deduct	-16.72	
For>600 To 750, Deduct	-22.29	
For>750, Deduct	-29.27	
33 11 13 00-0089 LF 16" Stainless Steel Well Screen.....	217.06	10.96
For>100 To 250, Deduct	-6.65	
For>250 To 400, Deduct	-12.07	
For>400 To 600, Deduct	-18.11	
For>600 To 750, Deduct	-24.15	
For>750, Deduct	-31.78	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen.....	259.96	12.65
For>100 To 250, Deduct	-8.00	
For>250 To 400, Deduct	-14.50	
For>400 To 600, Deduct	-21.76	
For>600 To 750, Deduct	-29.01	
For>750, Deduct	-38.22	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen.....	327.99	16.01
For>100 To 250, Deduct	-10.09	
For>250 To 400, Deduct	-18.29	
For>400 To 600, Deduct	-27.44	
For>600 To 750, Deduct	-36.58	
For>750, Deduct	-48.19	
33 11 13 00-0092 LF 24" Stainless Steel Well Screen.....	425.08	21.07
For>100 To 250, Deduct	-13.11	
For>250 To 400, Deduct	-23.73	
For>400 To 600, Deduct	-35.60	
For>600 To 750, Deduct	-47.47	
For>750, Deduct	-62.56	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen.....	490.89	24.45
For>100 To 250, Deduct	-15.08	
For>250 To 400, Deduct	-27.35	
For>400 To 600, Deduct	-41.03	
For>600 To 750, Deduct	-54.71	
For>750, Deduct	-72.04	
33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	23.00	
For>100 To 250, Deduct	-0.74	
For>250 To 400, Deduct	-1.32	
For>400 To 600, Deduct	-1.98	
For>600 To 750, Deduct	-2.64	
For>750, Deduct	-3.52	
For Schedule 80, Add	6.49	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	26.71	
For>100 To 250, Deduct	-0.85	
For>250 To 400, Deduct	-1.52	
For>400 To 600, Deduct	-2.27	
For>600 To 750, Deduct	-3.03	
For>750, Deduct	-4.03	
For Schedule 80, Add	7.79	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	35.65	
For >100 To 250, Deduct	-1.21	
For >250 To 400, Deduct	-2.11	
For >400 To 600, Deduct	-3.16	
For >600 To 750, Deduct	-4.21	
For >750, Deduct	-5.68	
For Schedule 80, Add	9.09	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	56.14	
For >100 To 250, Deduct	-1.75	
For >250 To 400, Deduct	-3.16	
For >400 To 600, Deduct	-4.73	
For >600 To 750, Deduct	-6.31	
For >750, Deduct	-8.34	
For Schedule 80, Add	16.88	
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	70.55	
For >100 To 250, Deduct	-2.20	
For >250 To 400, Deduct	-3.97	
For >400 To 600, Deduct	-5.95	
For >600 To 750, Deduct	-7.94	
For >750, Deduct	-10.49	
For Schedule 80, Add	21.17	
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	89.17	
For >100 To 250, Deduct	-2.75	
For >250 To 400, Deduct	-4.98	
For >400 To 600, Deduct	-7.47	
For >600 To 750, Deduct	-9.97	
For >750, Deduct	-13.14	
For Schedule 80, Add	27.27	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	94.55	
For >100 To 250, Deduct	-3.06	
For >250 To 400, Deduct	-5.43	
For >400 To 600, Deduct	-8.14	
For >600 To 750, Deduct	-10.85	
For >750, Deduct	-14.48	
For Schedule 80, Add	26.62	
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	139.70	
For >100 To 250, Deduct	-4.39	
For >250 To 400, Deduct	-7.88	
For >400 To 600, Deduct	-11.82	
For >600 To 750, Deduct	-15.76	
For >750, Deduct	-20.86	
For Schedule 80, Add	41.56	
33 11 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 11 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 11 13 00-0104 Artificial Gravel Pack <small>(33 11 13 00-0103)</small>		
Note: Excludes casing.		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	17.59	
For >100 To 250, Deduct	-0.68	
For >250 To 400, Deduct	-1.12	
For >400 To 600, Deduct	-1.68	
For >600 To 750, Deduct	-2.24	
For >750, Deduct	-3.12	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	25.98	
For >100 To 250, Deduct	-1.03	
For >250 To 400, Deduct	-1.68	
For >400 To 600, Deduct	-2.52	
For >600 To 750, Deduct	-3.36	
For >750, Deduct	-4.69	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	36.21	
For >100 To 250, Deduct	-1.47	
For >250 To 400, Deduct	-2.38	
For >400 To 600, Deduct	-3.57	
For >600 To 750, Deduct	-4.75	
For >750, Deduct	-6.68	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	46.40	
For >100 To 250, Deduct	-1.86	
For >250 To 400, Deduct	-3.02	
For >400 To 600, Deduct	-4.53	
For >600 To 750, Deduct	-6.05	
For >750, Deduct	-8.47	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	57.20	
For >100 To 250, Deduct	-2.27	
For >250 To 400, Deduct	-3.70	
For >400 To 600, Deduct	-5.55	
For >600 To 750, Deduct	-7.40	
For >750, Deduct	-10.34	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	74.01	
For >100 To 250, Deduct	-2.89	
For >250 To 400, Deduct	-4.74	
For >400 To 600, Deduct	-7.11	
For >600 To 750, Deduct	-9.47	
For >750, Deduct	-13.19	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen	84.86	
For >100 To 250, Deduct	-3.29	
For >250 To 400, Deduct	-5.42	
For >400 To 600, Deduct	-8.12	
For >600 To 750, Deduct	-10.83	
For >750, Deduct	-15.06	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen	100.81	
For >100 To 250, Deduct	-3.95	
For >250 To 400, Deduct	-6.47	
For >400 To 600, Deduct	-9.71	
For >600 To 750, Deduct	-12.94	
For >750, Deduct	-18.04	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen	114.07	
For >100 To 250, Deduct	-4.49	
For >250 To 400, Deduct	-7.35	
For >400 To 600, Deduct	-11.02	
For >600 To 750, Deduct	-14.69	
For >750, Deduct	-20.50	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen	122.85	
For >100 To 250, Deduct	-4.79	
For >250 To 400, Deduct	-7.86	
For >400 To 600, Deduct	-11.79	
For >600 To 750, Deduct	-15.72	
For >750, Deduct	-21.87	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen	146.56	
For >100 To 250, Deduct	-5.77	
For >250 To 400, Deduct	-9.44	
For >400 To 600, Deduct	-14.16	
For >600 To 750, Deduct	-18.88	
For >750, Deduct	-26.34	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen	169.66	
For >100 To 250, Deduct	-6.81	
For >250 To 400, Deduct	-11.06	
For >400 To 600, Deduct	-16.58	
For >600 To 750, Deduct	-22.11	
For >750, Deduct	-30.98	
33 11 13 00-0117 Develop Well <small>(33 11 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well	445.90	
33 11 13 00-0119 Pump Test <small>(33 11 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well	394.54	
33 11 13 00-0121 Test Well <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well	105.07	
33 11 13 00-0123 Surface Seal, Concrete Filled <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled	37.48	
33 11 13 00-0125 Other Water Well <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing	92.19	
33 11 13 00-0127 SF 1/2" Pressure Grout Well	2.88	
33 11 13 00-0128 SF 1" Pressure Grout Well	4.82	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well	5.27	
33 11 13 00-0130 Sterilization Of Well <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine	1,526.48	
33 11 13 00-0132 Submersible Well Pumps <small>(33 11 13)</small>		
Note: Includes pump end, motor and control box.		
33 11 13 00-0133 4" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,556.17	565.01
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,771.09	626.24
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,965.94	695.82
33 11 13 00-0138 Stainless Steel Case And Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,729.05	556.66
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,968.86	626.24
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,205.13	695.82



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,514.80	765.41
	33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,835.13	834.99
	33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,468.70	974.15
	33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	4,323.69	1,113.32
	33 11 13 00-0146		6" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
	33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,313.17	1,391.65
	33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,947.91	1,530.81
	33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	5,605.16	1,669.98
	33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	6,732.48	1,948.32

33 14 Water Utility Transmission and Distribution (33 10)

33 14 11 Water Utility Transmission Piping (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe.....	44.64	13.93
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	16.50	
		<i>For Cement Mortar Lining (CML), Add</i>	2.36	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	12.73	
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	4.24	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.77	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-2.23	
		<i>For Class 52, Add</i>	7.48	
		<i>For Class 53, Add</i>	13.42	
		<i>For Class 54, Add</i>	19.12	
		<i>For Class 55, Add</i>	22.02	
		<i>For Class 56, Add</i>	24.88	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe.....	48.35	14.83
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	18.12	
		<i>For Cement Mortar Lining (CML), Add</i>	2.59	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	13.98	
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	4.66	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.94	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-2.42	
		<i>For Class 51, Add</i>	3.81	
		<i>For Class 52, Add</i>	8.20	
		<i>For Class 53, Add</i>	14.72	
		<i>For Class 54, Add</i>	20.97	
		<i>For Class 55, Add</i>	24.15	
		<i>For Class 56, Add</i>	27.28	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe.....	51.62	15.55
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	19.67	
		<i>For Cement Mortar Lining (CML), Add</i>	2.81	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	15.17	
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	5.06	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2.11	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-2.58	
		<i>For Class 51, Add</i>	4.12	
		<i>For Class 52, Add</i>	8.88	
		<i>For Class 53, Add</i>	15.94	
		<i>For Class 54, Add</i>	22.71	
		<i>For Class 55, Add</i>	26.16	
		<i>For Class 56, Add</i>	29.54	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0007 LF 8", Class 50, Mechanical Joint Ductile Iron Pipe.....	60.45	16.17
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.17	
For Cement Mortar Lining (CML), Add	3.60	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	19.41	
For Fusion Bonded Epoxy Lining (206N), Add	6.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.70	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.02	
For Class 51, Add	5.21	
For Class 52, Add	11.22	
For Class 53, Add	20.18	
For Class 54, Add	28.78	
For Class 55, Add	33.11	
For Class 56, Add	37.37	
33 14 13 13-0008 LF 10", Class 50, Mechanical Joint Ductile Iron Pipe.....	82.04	23.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.06	
For Cement Mortar Lining (CML), Add	4.68	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.39	
For Fusion Bonded Epoxy Lining (206N), Add	8.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.51	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.10	
For Class 51, Add	6.82	
For Class 52, Add	14.68	
For Class 53, Add	26.39	
For Class 54, Add	37.61	
For Class 55, Add	43.29	
For Class 56, Add	48.88	
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	98.92	25.87
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.87	
For Cement Mortar Lining (CML), Add	5.97	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.89	
For Fusion Bonded Epoxy Lining (206N), Add	10.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.48	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.95	
For Class 51, Add	8.63	
For Class 52, Add	18.61	
For Class 53, Add	33.48	
For Class 54, Add	47.74	
For Class 55, Add	54.92	
For Class 56, Add	61.98	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	118.16	29.04
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.59	
For Cement Mortar Lining (CML), Add	7.41	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	25.18	
For Fusion Bonded Epoxy Lining (206N), Add	13.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.56	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.91	
For Class 51, Add	10.65	
For Class 52, Add	22.96	
For Class 53, Add	41.35	
For Class 54, Add	58.97	
For Class 55, Add	67.83	
For Class 56, Add	76.52	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	133.42	33.27
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.05	
For Cement Mortar Lining (CML), Add	8.30	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	25.74	
For Fusion Bonded Epoxy Lining (206N), Add	14.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.23	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.67	
For Class 51, Add	11.95	
For Class 52, Add	25.76	
For Class 53, Add	46.39	
For Class 54, Add	66.16	
For Class 55, Add	76.10	
For Class 56, Add	85.86	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	165.29	38.80
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	43.67	
For Cement Mortar Lining (CML), Add	10.65	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	33.02	
For Fusion Bonded Epoxy Lining (206N), Add	19.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.99	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.26	
For Class 51, Add	15.25	
For Class 52, Add	32.90	
For Class 53, Add	59.28	
For Class 54, Add	84.56	
For Class 55, Add	97.23	
For Class 56, Add	109.68	
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	187.83	46.56
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	44.57	
For Cement Mortar Lining (CML), Add	11.73	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	32.84	
For Fusion Bonded Epoxy Lining (206N), Add	21.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.80	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.39	
For Class 51, Add	16.87	
For Class 52, Add	36.37	
For Class 53, Add	65.50	
For Class 54, Add	93.41	
For Class 55, Add	107.44	
For Class 56, Add	121.22	
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	245.59	58.20
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.80	
For Cement Mortar Lining (CML), Add	15.74	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	33.06	
For Fusion Bonded Epoxy Lining (206N), Add	28.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.81	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.28	
For Class 51, Add	22.56	
For Class 52, Add	48.66	
For Class 53, Add	87.66	
For Class 54, Add	125.05	
For Class 55, Add	143.80	
For Class 56, Add	162.21	
33 14 13 13-0015 LF 30", Class 50, Mechanical Joint Ductile Iron Pipe.....	316.03	62.67
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	68.81	
For Cement Mortar Lining (CML), Add	22.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.65	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.80	
For Class 51, Add	31.43	
For Class 52, Add	67.85	
For Class 53, Add	122.48	
For Class 54, Add	174.82	
For Class 55, Add	200.88	
For Class 56, Add	226.47	
33 14 13 13-0016 LF 36", Class 50, Mechanical Joint Ductile Iron Pipe.....	377.50	66.55
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	86.04	
For Cement Mortar Lining (CML), Add	27.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	49.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.82	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-18.88	
For Class 51, Add	39.08	
For Class 52, Add	84.41	
For Class 53, Add	152.49	
For Class 54, Add	217.72	
For Class 55, Add	250.08	
For Class 56, Add	281.86	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0017 LF 42", Class 50, Mechanical Joint Ductile Iron Pipe.....	463.36	70.43
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	110.84	
For Cement Mortar Lining (CML), Add	35.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	64.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.82	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-23.17	
For Class 51, Add	50.06	
For Class 52, Add	108.16	
For Class 53, Add	195.58	
For Class 54, Add	279.32	
For Class 55, Add	320.72	
For Class 56, Add	361.37	
33 14 13 13-0018 LF 48", Class 50, Mechanical Joint Ductile Iron Pipe.....	567.43	74.43
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	141.28	
For Cement Mortar Lining (CML), Add	45.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.18	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-28.37	
For Class 51, Add	63.51	
For Class 52, Add	137.28	
For Class 53, Add	248.42	
For Class 54, Add	354.86	
For Class 55, Add	407.35	
For Class 56, Add	458.88	
33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0020 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow	188.03	43.98
For Cement Mortar Lining (CML), Add	12.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	21.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow	211.72	52.55
For Cement Mortar Lining (CML), Add	13.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	23.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow	333.60	77.67
For Cement Mortar Lining (CML), Add	21.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow	453.81	92.12
For Cement Mortar Lining (CML), Add	31.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow	656.20	103.22
For Cement Mortar Lining (CML), Add	49.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow	856.39	121.10
For Cement Mortar Lining (CML), Add	67.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	121.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,332.15	135.80
For Cement Mortar Lining (CML), Add	112.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	202.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.48	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,764.99 152.99 275.37 114.74	155.20
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,171.39 184.22 331.60 138.17	217.27
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,980.27 256.88 462.38 192.66	271.59
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,382.48 383.44 690.20 287.58	361.64
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,741.16 615.33 1,107.60 461.50	387.99
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,230.24 962.00 1,731.60 721.50	402.80
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,201.71 1,649.63 2,969.33 1,237.22	465.58
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	22,746.71 2,199.63 3,959.33 1,649.72	495.33
33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	175.53 10.89 19.60 8.17	43.98
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	188.51 10.89 19.60 8.17	52.55
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	292.54 17.49 31.49 13.12	77.67
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	394.90 25.53 45.95 19.15	92.12

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow	529.46	103.22
For Cement Mortar Lining (CML), Add	37.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow	740.36	121.10
For Cement Mortar Lining (CML), Add	55.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	100.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,082.23	135.80
For Cement Mortar Lining (CML), Add	87.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	157.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,327.63	155.20
For Cement Mortar Lining (CML), Add	109.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,896.49	217.27
For Cement Mortar Lining (CML), Add	156.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	282.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,085.92	271.59
For Cement Mortar Lining (CML), Add	167.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	301.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	125.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,091.84	361.64
For Cement Mortar Lining (CML), Add	254.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	457.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow	5,755.77	387.99
For Cement Mortar Lining (CML), Add	516.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	930.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,166.64	402.80
For Cement Mortar Lining (CML), Add	755.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,360.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	566.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow	12,315.84	465.58
For Cement Mortar Lining (CML), Add	1,161.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,089.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	870.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow	15,965.04	495.33
For Cement Mortar Lining (CML), Add	1,521.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,738.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,141.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0052 EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	152.33	43.98
For Cement Mortar Lining (CML), Add	8.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.43	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	183.16 10.35 18.64 7.77	52.55
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	278.26 16.07 28.92 12.05	77.67
33 14 13 13-0055 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	389.55 24.99 44.99 18.74	92.12
33 14 13 13-0056 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	527.67 37.13 66.83 27.85	103.22
33 14 13 13-0057 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	670.74 48.73 87.72 36.55	121.10
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,092.94 88.72 159.70 66.54	135.80
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,283.01 104.79 188.62 78.59	155.20
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,616.22 128.71 231.67 96.53	217.27
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,160.90 174.94 314.90 131.21	271.59
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,895.47 234.74 422.54 176.06	361.64
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,918.55 433.07 779.53 324.80	387.99
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,958.12 634.79 1,142.62 476.09	402.80

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,289.73	465.58
For Cement Mortar Lining (CML), Add	958.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,725.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	718.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,230.23	495.33
For Cement Mortar Lining (CML), Add	1,247.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,246.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	935.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	152.33	43.98
For Cement Mortar Lining (CML), Add	8.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	177.80	52.55
For Cement Mortar Lining (CML), Add	9.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	283.62	77.67
For Cement Mortar Lining (CML), Add	16.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	366.34	92.12
For Cement Mortar Lining (CML), Add	22.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	524.10	103.22
For Cement Mortar Lining (CML), Add	36.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	66.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	640.39	121.10
For Cement Mortar Lining (CML), Add	45.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,217.90	135.80
For Cement Mortar Lining (CML), Add	101.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,343.70	155.20
For Cement Mortar Lining (CML), Add	110.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	199.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,955.38	217.27
For Cement Mortar Lining (CML), Add	162.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	292.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,059.15	271.59
For Cement Mortar Lining (CML), Add	164.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	296.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	123.58	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0078 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,745.52 219.75 395.55 164.81	361.64
33 14 13 13-0079 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,997.10 440.93 793.67 330.69	387.99
33 14 13 13-0080 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,636.80 602.66 1,084.78 451.99	402.80
33 14 13 13-0081 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,852.37 914.70 1,646.45 686.02	465.58
33 14 13 13-0082 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,144.55 1,239.41 2,230.94 929.56	495.33
33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0084 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	193.38 12.67 22.81 9.51	43.98
33 14 13 13-0085 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	236.71 15.71 28.28 11.78	52.55
33 14 13 13-0086 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	378.23 26.06 46.91 19.55	77.67
33 14 13 13-0087 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	512.72 37.31 67.16 27.98	92.12
33 14 13 13-0088 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	741.89 58.55 105.39 43.91	103.22
33 14 13 13-0089 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	949.22 76.58 137.85 57.44	121.10

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0090 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,630.27	135.80
For Cement Mortar Lining (CML), Add	142.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	256.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,491.53	155.20
For Cement Mortar Lining (CML), Add	225.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	406.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	169.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,892.57	217.27
For Cement Mortar Lining (CML), Add	256.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	461.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	192.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,929.95	271.59
For Cement Mortar Lining (CML), Add	351.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	633.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	263.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	4,775.20	361.64
For Cement Mortar Lining (CML), Add	422.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	760.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	317.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	8,911.86	387.99
For Cement Mortar Lining (CML), Add	832.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,498.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	624.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	15,949.77	402.80
For Cement Mortar Lining (CML), Add	1,533.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,761.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,150.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0097)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	177.32	43.98
For Cement Mortar Lining (CML), Add	11.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	193.87	52.55
For Cement Mortar Lining (CML), Add	11.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	312.18	77.67
For Cement Mortar Lining (CML), Add	19.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	35.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	452.03	92.12
For Cement Mortar Lining (CML), Add	31.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.43	
Note: ANSI/AWWA C151/A21.51		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0102	EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		620.50 46.41 83.54 34.81	103.22
33 14 13 13-0103	EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		843.89 66.05 118.89 49.54	121.10
33 14 13 13-0104	EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		1,442.83 123.71 222.68 92.78	135.80
33 14 13 13-0105	EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		2,196.99 196.19 353.13 147.14	155.20
33 14 13 13-0106	EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		2,594.46 226.53 407.76 169.90	217.27
33 14 13 13-0107	EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		3,369.42 295.79 532.43 221.85	271.59
33 14 13 13-0108	EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		4,234.31 368.63 663.53 276.47	361.64
33 14 13 13-0109	EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		7,828.30 724.05 1,303.28 543.03	387.99
33 14 13 13-0110	EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		13,955.79 1,334.56 2,402.20 1,000.92	402.80
33 14 13 13-0111	Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0002)</small>			
33 14 13 13-0112	EA 3" x 3" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		307.02 20.71 37.27 15.53	65.98
33 14 13 13-0113	EA 4" x 3" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		318.79 20.71 37.27 15.53	73.73
33 14 13 13-0114	EA 4" x 4" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>		290.76 17.32 31.17 12.99	77.67

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0115 EA 6" x 3" Mechanical Joint Ductile Iron Tee.....	387.43	97.82
For Cement Mortar Lining (CML), Add	23.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116 EA 6" x 4" Mechanical Joint Ductile Iron Tee.....	445.30	101.86
For Cement Mortar Lining (CML), Add	29.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	52.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117 EA 6" x 6" Mechanical Joint Ductile Iron Tee.....	485.11	114.04
For Cement Mortar Lining (CML), Add	31.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118 EA 8" x 4" Mechanical Joint Ductile Iron Tee.....	516.25	118.05
For Cement Mortar Lining (CML), Add	33.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	60.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119 EA 8" x 6" Mechanical Joint Ductile Iron Tee.....	586.39	130.17
For Cement Mortar Lining (CML), Add	38.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	70.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120 EA 8" x 8" Mechanical Joint Ductile Iron Tee.....	678.98	138.30
For Cement Mortar Lining (CML), Add	46.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121 EA 10" x 4" Mechanical Joint Ductile Iron Tee.....	712.06	128.29
For Cement Mortar Lining (CML), Add	51.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	93.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122 EA 10" x 6" Mechanical Joint Ductile Iron Tee.....	713.64	139.93
For Cement Mortar Lining (CML), Add	50.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	90.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee.....	811.09	147.69
For Cement Mortar Lining (CML), Add	58.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee.....	906.35	155.20
For Cement Mortar Lining (CML), Add	67.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	120.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125 EA 12" x 4" Mechanical Joint Ductile Iron Tee.....	851.62	143.81
For Cement Mortar Lining (CML), Add	63.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	114.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126 EA 12" x 6" Mechanical Joint Ductile Iron Tee.....	967.42	155.44
For Cement Mortar Lining (CML), Add	73.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	131.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.89	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,188.05 94.08 169.34 70.56	163.21
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,272.59 101.40 182.51 76.05	170.72
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,207.59 93.72 168.69 70.29	178.48
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,288.39 101.40 182.51 76.05	181.13
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,434.03 114.78 206.61 86.09	188.90
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,830.98 153.34 276.02 115.01	196.39
33 14 13 13-0133 EA 14" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,956.98 164.77 296.58 123.58	204.15
33 14 13 13-0134 EA 14" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,888.97 156.02 280.83 117.01	217.04
33 14 13 13-0135 EA 16" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,637.57 130.85 235.53 98.14	217.26
33 14 13 13-0136 EA 16" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,761.92 142.10 255.77 106.57	225.03
33 14 13 13-0137 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,051.74 169.94 305.90 127.46	232.52
33 14 13 13-0138 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,245.60 188.15 338.67 141.11	240.28

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0139 EA 16" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,702.40 231.89 417.40 173.92	253.13
33 14 13 13-0140 EA 16" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,554.83 214.39 385.91 160.79	271.23
33 14 13 13-0141 EA 18" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,274.24 185.30 333.53 138.97	278.05
33 14 13 13-0142 EA 18" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,439.53 200.65 361.16 150.49	285.81
33 14 13 13-0143 EA 18" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,640.12 219.57 395.23 164.68	293.32
33 14 13 13-0144 EA 18" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,839.32 238.31 428.97 178.74	301.08
33 14 13 13-0145 EA 18" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,921.24 244.56 440.21 183.42	313.91
33 14 13 13-0146 EA 18" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,118.20 261.52 470.74 196.14	331.99
33 14 13 13-0147 EA 18" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,651.59 310.25 558.46 232.69	362.35
33 14 13 13-0148 EA 20" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,689.16 208.50 375.30 156.38	398.73
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,747.34 213.14 383.66 159.86	406.50
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,992.54 236.53 425.75 177.40	414.00



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,236.37 259.74 467.52 194.80	421.76
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,275.47 261.70 471.06 196.27	434.59
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,324.26 263.84 474.91 197.88	452.66
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,177.19 344.53 620.15 258.40	483.05
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,683.09 285.98 514.76 214.48	543.42
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,294.51 250.81 451.46 188.11	519.04
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,338.42 254.02 457.24 190.52	527.54
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,678.24 286.87 516.36 215.15	534.31
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,770.31 294.90 530.82 221.18	542.07
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,243.19 340.24 612.44 255.18	554.90
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,582.97 371.48 668.67 278.61	572.96
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,207.40 429.32 772.78 321.99	603.36

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,771.88 476.63 857.93 357.47	663.71
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,341.77 424.50 764.10 318.38	723.88
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,717.20 478.95 862.11 359.21	612.29
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,023.09 508.40 915.12 381.30	619.79
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,329.40 537.86 968.14 403.39	627.55
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,766.57 579.63 1,043.33 434.72	640.40
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,240.22 624.26 1,123.66 468.19	852.03
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,436.22 639.25 1,150.65 479.44	688.85
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,736.51 660.14 1,188.25 495.10	749.20
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,129.34 690.31 1,242.55 517.73	809.35
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,189.86 889.88 1,601.79 667.41	852.03
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,976.77 506.08 910.95 379.56	604.52



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,987.88 595.87 1,072.57 446.90	679.24
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,773.98 673.35 1,212.02 505.01	686.73
33 14 13 13-0177 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,199.89 714.76 1,286.57 536.07	694.49
33 14 13 13-0178 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,506.74 743.50 1,338.30 557.63	707.34
33 14 13 13-0179 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,817.95 771.89 1,389.39 578.91	725.40
33 14 13 13-0180 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,413.82 826.87 1,488.36 620.15	755.80
33 14 13 13-0181 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,056.85 882.03 1,587.65 661.52	816.13
33 14 13 13-0182 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,126.23 979.85 1,763.73 734.89	876.29
33 14 13 13-0183 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,299.56 1,090.71 1,963.27 818.03	952.56
33 14 13 13-0184 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,358.52 1,291.53 2,324.76 968.65	952.56
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,132.52 1,502.36 2,704.24 1,126.77	731.91
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,455.46 1,532.70 2,758.87 1,149.53	744.75

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,287.59 1,713.18 3,083.72 1,284.89	762.82
33 14 13 13-0188 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,101.90 1,590.01 2,862.01 1,192.50	793.20
33 14 13 13-0189 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,193.32 1,590.01 2,862.01 1,192.50	853.56
33 14 13 13-0190 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,575.45 1,619.10 2,914.39 1,214.33	913.70
33 14 13 13-0191 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,310.42 1,986.13 3,575.03 1,489.59	956.45
33 14 13 13-0192 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,194.78 2,069.49 3,725.08 1,552.12	989.92
33 14 13 13-0193 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,478.06 2,194.98 3,950.97 1,646.24	1,008.65
33 14 13 13-0194 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,005.87 1,780.66 3,205.18 1,335.49	791.54
33 14 13 13-0195 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,346.64 1,812.79 3,263.02 1,359.59	804.38
33 14 13 13-0196 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,829.22 1,858.31 3,344.96 1,393.73	822.44
33 14 13 13-0197 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,328.70 1,903.65 3,426.57 1,427.74	852.84
33 14 13 13-0198 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,875.33 1,949.17 3,508.51 1,461.88	913.17



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0199 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,027.16 1,955.24 3,519.44 1,466.43	973.33
33 14 13 13-0200 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,588.66 2,404.91 4,328.85 1,803.69	1,016.08
33 14 13 13-0201 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,173.89 2,758.37 4,965.06 2,068.78	1,049.55
33 14 13 13-0202 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,601.78 2,898.32 5,216.98 2,173.74	1,068.25
33 14 13 13-0203 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,112.86 2,944.91 5,300.84 2,208.68	1,098.12
33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)		
33 14 13 13-0205 EA 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	263.46 15.17 27.31 11.38	73.73
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	401.43 28.38 51.09 21.29	77.61
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	387.43 23.92 43.06 17.94	97.82
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	447.09 29.28 52.70 21.96	101.86
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	601.14 42.84 77.12 32.13	113.98
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	769.73 59.09 106.36 44.32	118.05
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	691.71 49.45 89.01 37.09	130.17

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0212 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	834.28 62.48 112.46 46.86	138.26
33 14 13 13-0213 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,188.69 99.43 178.98 74.57	128.29
33 14 13 13-0214 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,258.10 104.61 188.29 78.46	139.93
33 14 13 13-0215 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,444.81 122.10 219.78 91.58	147.69
33 14 13 13-0216 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,625.75 139.06 250.31 104.30	155.20
33 14 13 13-0217 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,515.68 129.78 233.60 97.33	143.81
33 14 13 13-0218 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,713.60 147.81 266.05 110.86	155.44
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,062.76 181.55 326.78 136.16	163.21
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,122.31 186.37 335.46 139.78	170.72
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,925.21 165.48 297.87 124.11	178.46
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,266.63 199.22 358.59 149.41	181.13
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,592.58 230.64 415.15 172.98	188.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,380.46 308.29 554.92 231.22	196.39
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,620.71 331.14 596.05 248.36	204.15
33 14 13 13-0226 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,540.21 321.14 578.06 240.86	216.99
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,332.09 200.29 360.52 150.22	217.26
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,565.22 222.43 400.37 166.82	225.03
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,021.06 266.88 480.38 200.16	232.52
33 14 13 13-0230 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,377.36 301.33 542.39 226.00	240.28
33 14 13 13-0231 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,221.54 383.80 690.84 287.85	253.13
33 14 13 13-0232 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,073.97 366.31 659.35 274.73	271.19
33 14 13 13-0233 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,664.85 324.36 583.84 243.27	278.05
33 14 13 13-0234 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,944.39 351.13 632.04 263.35	285.81
33 14 13 13-0235 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,214.59 377.02 678.63 282.76	293.32

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0236 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,508.40	301.08
For Cement Mortar Lining (CML), Add	405.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	729.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	303.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,559.98	313.91
For Cement Mortar Lining (CML), Add	408.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	735.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	306.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,608.78	331.99
For Cement Mortar Lining (CML), Add	410.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	739.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	307.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,222.83	362.37
For Cement Mortar Lining (CML), Add	367.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	661.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	275.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,356.46	398.73
For Cement Mortar Lining (CML), Add	375.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	675.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	281.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,452.13	406.50
For Cement Mortar Lining (CML), Add	383.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	690.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	287.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,884.77	414.00
For Cement Mortar Lining (CML), Add	425.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	766.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	319.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,314.25	421.76
For Cement Mortar Lining (CML), Add	467.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	841.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	350.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,369.41	434.59
For Cement Mortar Lining (CML), Add	471.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	847.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	353.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,434.27	452.66
For Cement Mortar Lining (CML), Add	474.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	854.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	356.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,290.77	483.05
For Cement Mortar Lining (CML), Add	555.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,000.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	416.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	5,971.62	543.39
For Cement Mortar Lining (CML), Add	514.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	926.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	386.12	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,300.99 451.46 812.62 338.59	519.04
33 14 13 13-0249 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,369.88 457.17 822.90 342.88	526.80
33 14 13 13-0250 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,972.12 516.26 929.26 387.19	534.31
33 14 13 13-0251 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,248.05 542.68 976.82 407.01	542.07
33 14 13 13-0252 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,202.92 636.22 1,145.19 477.16	554.90
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,996.12 712.80 1,283.04 534.60	572.96
33 14 13 13-0254 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,941.87 802.77 1,444.98 602.08	603.36
33 14 13 13-0255 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,824.10 881.85 1,587.33 661.39	663.71
33 14 13 13-0256 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,737.06 764.03 1,375.26 573.02	723.85
33 14 13 13-0257 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,875.13 995.92 1,792.65 746.94	604.52
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,182.90 1,125.52 2,025.93 844.14	612.29
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,886.88 1,194.78 2,150.61 896.09	619.79

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	13,591.26	627.55
For Cement Mortar Lining (CML), Add	1,264.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,275.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	948.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	14,590.76	640.40
For Cement Mortar Lining (CML), Add	1,362.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,451.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,021.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	15,667.78	658.46
For Cement Mortar Lining (CML), Add	1,467.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,640.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,100.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	16,065.49	688.85
For Cement Mortar Lining (CML), Add	1,502.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,703.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,126.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	16,647.83	749.20
For Cement Mortar Lining (CML), Add	1,551.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,792.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,163.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	17,447.67	809.35
For Cement Mortar Lining (CML), Add	1,622.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,919.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,216.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	18,906.61	852.10
For Cement Mortar Lining (CML), Add	1,761.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,170.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,321.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	20,708.23	694.49
For Cement Mortar Lining (CML), Add	1,965.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,538.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,474.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	21,518.48	707.34
For Cement Mortar Lining (CML), Add	2,044.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,680.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,533.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	22,325.95	725.40
For Cement Mortar Lining (CML), Add	2,122.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,820.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,592.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	23,884.00	755.80
For Cement Mortar Lining (CML), Add	2,273.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,092.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,705.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	25,492.78	816.13
For Cement Mortar Lining (CML), Add	2,425.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,366.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,819.22	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

CS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,274.10 2,694.64 4,850.35 2,020.98	876.29
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31,664.54 3,027.21 5,448.97 2,270.40	919.03
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	37,768.60 3,632.54 6,538.57 2,724.41	952.50
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	33,236.20 3,194.29 5,749.73 2,395.72	853.56
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	34,071.74 3,268.73 5,883.72 2,451.55	913.70
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	36,392.89 3,494.37 6,289.87 2,620.78	956.45
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	41,602.60 4,010.27 7,218.49 3,007.70	989.92
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	49,046.34 4,751.81 8,553.26 3,563.86	1,008.64
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,798.14 3,141.45 5,654.62 2,356.09	913.17
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	37,137.87 3,566.31 6,419.36 2,674.73	973.33
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	39,578.64 3,803.91 6,847.04 2,852.93	1,016.08
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	45,100.73 4,351.05 7,831.89 3,263.29	1,049.55

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	58,928.06	1,068.25
For Cement Mortar Lining (CML), Add	5,730.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10,315.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,298.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	64,685.62	1,098.06
For Cement Mortar Lining (CML), Add	6,302.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	11,343.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,726.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)		
33 14 13 13-0287 EA 3" x 3" Mechanical Joint Ductile Iron Cross	363.56	87.97
For Cement Mortar Lining (CML), Add	23.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288 EA 4" x 3" Mechanical Joint Ductile Iron Cross	439.57	95.72
For Cement Mortar Lining (CML), Add	29.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289 EA 4" x 4" Mechanical Joint Ductile Iron Cross	520.09	97.02
For Cement Mortar Lining (CML), Add	37.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290 EA 6" x 3" Mechanical Joint Ductile Iron Cross	620.92	119.92
For Cement Mortar Lining (CML), Add	43.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	79.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291 EA 6" x 4" Mechanical Joint Ductile Iron Cross	603.00	129.35
For Cement Mortar Lining (CML), Add	40.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	73.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292 EA 6" x 6" Mechanical Joint Ductile Iron Cross	701.97	161.69
For Cement Mortar Lining (CML), Add	45.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293 EA 8" x 4" Mechanical Joint Ductile Iron Cross	619.61	141.50
For Cement Mortar Lining (CML), Add	40.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294 EA 8" x 6" Mechanical Joint Ductile Iron Cross	736.44	173.83
For Cement Mortar Lining (CML), Add	47.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	85.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295 EA 8" x 8" Mechanical Joint Ductile Iron Cross	779.83	185.95
For Cement Mortar Lining (CML), Add	49.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296 EA 10" x 4" Mechanical Joint Ductile Iron Cross	755.74	150.05
For Cement Mortar Lining (CML), Add	52.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	95.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.63	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

CS

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0297 EA 10" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	867.02 59.27 106.68 44.45	181.09
33 14 13 13-0298 EA 10" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,027.48 73.55 132.38 55.16	192.74
33 14 13 13-0299 EA 10" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,111.53 79.80 143.63 59.85	206.92
33 14 13 13-0300 EA 12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	914.53 66.76 120.17 50.07	162.96
33 14 13 13-0301 EA 12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,063.32 76.94 138.49 57.70	193.99
33 14 13 13-0302 EA 12" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,525.46 121.39 218.50 91.04	205.65
33 14 13 13-0303 EA 12" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,547.03 121.39 218.50 91.04	219.89
33 14 13 13-0304 EA 12" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,754.03 140.13 252.24 105.10	232.79
33 14 13 13-0305 EA 14" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,794.25 147.09 264.77 110.32	213.38
33 14 13 13-0306 EA 14" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,108.23 176.73 318.11 132.55	225.03
33 14 13 13-0307 EA 14" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,165.50 180.30 324.53 135.22	239.27
33 14 13 13-0308 EA 14" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,285.03 190.29 342.53 142.72	252.18

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0309 EA 14" x 14" Mechanical Joint Ductile Iron Cross	2,526.85	271.59
For Cement Mortar Lining (CML), Add	211.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	380.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310 EA 16" x 6" Mechanical Joint Ductile Iron Cross	2,051.38	240.52
For Cement Mortar Lining (CML), Add	168.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	303.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311 EA 16" x 8" Mechanical Joint Ductile Iron Cross	2,331.43	252.18
For Cement Mortar Lining (CML), Add	194.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	350.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312 EA 16" x 10" Mechanical Joint Ductile Iron Cross	2,786.05	266.40
For Cement Mortar Lining (CML), Add	238.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	428.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313 EA 16" x 12" Mechanical Joint Ductile Iron Cross	3,102.70	279.32
For Cement Mortar Lining (CML), Add	267.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	482.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	200.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314 EA 16" x 14" Mechanical Joint Ductile Iron Cross	3,742.59	298.71
For Cement Mortar Lining (CML), Add	329.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	592.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	246.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315 EA 16" x 16" Mechanical Joint Ductile Iron Cross	4,378.14	325.91
For Cement Mortar Lining (CML), Add	388.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	699.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316 EA 18" x 6" Mechanical Joint Ductile Iron Cross	3,378.15	284.42
For Cement Mortar Lining (CML), Add	294.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	530.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	221.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317 EA 18" x 8" Mechanical Joint Ductile Iron Cross	3,570.75	296.07
For Cement Mortar Lining (CML), Add	312.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	561.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	234.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318 EA 18" x 10" Mechanical Joint Ductile Iron Cross	3,738.69	310.30
For Cement Mortar Lining (CML), Add	326.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	588.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	245.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319 EA 18" x 12" Mechanical Joint Ductile Iron Cross	4,051.02	323.22
For Cement Mortar Lining (CML), Add	356.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	641.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320 EA 18" x 14" Mechanical Joint Ductile Iron Cross	4,721.26	342.60
For Cement Mortar Lining (CML), Add	420.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	756.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	315.16	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0321 EA 18" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,026.59 446.64 803.95 334.98	369.74
33 14 13 13-0322 EA 18" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,268.02 464.13 835.44 348.10	413.62
33 14 13 13-0323 EA 20" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,246.61 370.59 667.06 277.94	356.86
33 14 13 13-0324 EA 20" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,440.99 388.26 698.88 291.20	368.51
33 14 13 13-0325 EA 20" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,578.58 399.87 719.76 299.90	382.75
33 14 13 13-0326 EA 20" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,889.12 428.96 772.14 321.72	395.65
33 14 13 13-0327 EA 20" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,977.40 434.86 782.74 326.14	415.05
33 14 13 13-0328 EA 20" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,011.06 534.11 961.39 400.58	442.18
33 14 13 13-0329 EA 20" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,252.50 551.60 992.88 413.70	486.08
33 14 13 13-0330 EA 20" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,771.05 592.48 1,066.47 444.36	558.46
33 14 13 13-0331 EA 24" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,783.60 510.72 919.30 383.04	446.41
33 14 13 13-0332 EA 24" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,919.43 522.51 940.51 391.88	458.06

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0333 EA 24" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,144.13 542.86 977.14 407.14	472.28
33 14 13 13-0334 EA 24" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,338.65 560.35 1,008.63 420.26	485.21
33 14 13 13-0335 EA 24" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,455.49 569.10 1,024.37 426.82	504.59
33 14 13 13-0336 EA 24" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,701.91 589.63 1,061.33 442.22	531.74
33 14 13 13-0337 EA 24" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,840.93 796.88 1,434.38 597.66	575.62
33 14 13 13-0338 EA 24" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,329.14 834.72 1,502.50 626.04	648.06
33 14 13 13-0339 EA 24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,282.41 916.48 1,649.67 687.36	737.65
33 14 13 13-0340 EA 30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,022.75 1,012.34 1,822.22 759.26	593.56
33 14 13 13-0341 EA 30" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,242.46 1,032.16 1,857.88 774.12	607.80
33 14 13 13-0342 EA 30" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,458.41 1,051.79 1,893.23 788.84	620.71
33 14 13 13-0343 EA 30" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,714.49 1,074.46 1,934.04 805.85	640.11
33 14 13 13-0344 EA 30" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,009.09 1,099.81 1,979.66 824.86	667.24



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0345 EA 30" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,357.64 1,128.02 2,030.43 846.01	711.13
33 14 13 13-0346 EA 30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,804.80 1,161.76 2,091.16 871.32	783.58
33 14 13 13-0347 EA 30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,441.09 1,511.82 2,721.27 1,133.86	873.11
33 14 13 13-0348 EA 30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,906.36 1,737.81 3,128.07 1,303.36	1,008.65
33 14 13 13-0349 EA 36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,357.73 1,438.27 2,588.89 1,078.70	643.51
33 14 13 13-0350 EA 36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,575.66 1,457.91 2,624.23 1,093.43	657.74
33 14 13 13-0351 EA 36" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,763.03 1,474.69 2,654.44 1,106.02	670.66
33 14 13 13-0352 EA 36" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,988.76 1,494.32 2,689.78 1,120.74	690.05
33 14 13 13-0353 EA 36" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,254.82 1,516.82 2,730.27 1,137.61	717.20
33 14 13 13-0354 EA 36" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,573.02 1,541.99 2,775.58 1,156.49	761.07
33 14 13 13-0355 EA 36" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,991.60 1,572.87 2,831.16 1,179.65	833.52
33 14 13 13-0356 EA 36" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,716.37 1,631.78 2,937.20 1,223.83	923.08

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0357 EA 36" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,837.58 2,223.37 4,002.06 1,667.53	1,058.58
33 14 13 13-0358 EA 36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,183.93 2,450.43 4,410.78 1,837.83	1,108.58
33 14 13 13-0359 EA 42" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,590.92 1,953.10 3,515.58 1,464.83	699.53
33 14 13 13-0360 EA 42" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,272.53 2,218.32 3,992.98 1,663.74	718.93
33 14 13 13-0361 EA 42" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,063.06 1,993.27 3,587.88 1,494.95	746.07
33 14 13 13-0362 EA 42" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,345.56 2,014.87 3,626.76 1,511.15	789.96
33 14 13 13-0363 EA 42" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,749.87 2,044.32 3,679.77 1,533.24	862.41
33 14 13 13-0364 EA 42" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,422.87 2,098.05 3,776.49 1,573.54	951.95
33 14 13 13-0365 EA 42" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,690.45 2,704.28 4,867.70 2,028.21	1,087.46
33 14 13 13-0366 EA 42" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	37,432.89 3,570.95 6,427.72 2,678.22	1,137.41
33 14 13 13-0367 EA 42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	40,104.34 3,833.72 6,900.70 2,875.29	1,166.31
33 14 13 13-0368 EA 48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,821.23 2,658.76 4,785.76 1,994.07	814.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0369 EA 48" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,011.27 2,674.82 4,814.68 2,006.12	833.61
33 14 13 13-0370 EA 48" x 16" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,266.61 2,696.25 4,853.24 2,022.18	860.74
33 14 13 13-0371 EA 48" x 18" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,547.31 2,717.67 4,891.80 2,038.25	904.63
33 14 13 13-0372 EA 48" x 20" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,926.64 2,744.62 4,940.32 2,058.47	977.08
33 14 13 13-0373 EA 48" x 24" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	29,571.08 2,795.50 5,031.90 2,096.62	1,066.61
33 14 13 13-0374 EA 48" x 30" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31,306.25 2,948.48 5,307.27 2,211.36	1,202.13
33 14 13 13-0375 EA 48" x 36" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	38,329.60 3,643.25 6,557.85 2,732.44	1,252.08
33 14 13 13-0376 EA 48" x 42" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	49,239.40 4,729.85 8,513.74 3,547.39	1,280.96
33 14 13 13-0377 EA 48" x 48" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	52,444.26 5,032.97 9,059.34 3,774.73	1,395.57
33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0002)</small>		
33 14 13 13-0379 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	176.06 10.35 18.64 7.77	47.86
33 14 13 13-0380 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	205.14 11.43 20.57 8.57	59.99
33 14 13 13-0381 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	221.73 12.50 22.49 9.37	63.86

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0382 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	280.51	71.97
For Cement Mortar Lining (CML), Add	17.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	309.48	84.08
For Cement Mortar Lining (CML), Add	18.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	32.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	339.15	76.56
For Cement Mortar Lining (CML), Add	22.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	369.27	88.20
For Cement Mortar Lining (CML), Add	23.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	42.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	404.24	95.96
For Cement Mortar Lining (CML), Add	25.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	409.80	84.32
For Cement Mortar Lining (CML), Add	28.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	456.00	95.96
For Cement Mortar Lining (CML), Add	31.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	55.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	476.70	103.72
For Cement Mortar Lining (CML), Add	31.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	57.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	521.97	111.23
For Cement Mortar Lining (CML), Add	35.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	853.91	108.80
For Cement Mortar Lining (CML), Add	68.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	124.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	829.96	116.58
For Cement Mortar Lining (CML), Add	65.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	117.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	744.93	124.06
For Cement Mortar Lining (CML), Add	55.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	100.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.77	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

33

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	783.46 58.37 105.07 43.78	131.82
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,002.66 81.04 145.88 60.78	126.86
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	984.09 78.01 140.42 58.51	134.63
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	966.88 75.15 135.28 56.37	142.13
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,048.26 82.12 147.81 61.59	149.89
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,165.90 91.93 165.48 68.95	162.73
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,251.49 100.15 180.26 75.11	165.03
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,402.08 114.07 205.32 85.55	172.52
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,353.16 108.00 194.40 81.00	180.28
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,435.09 114.25 205.65 85.69	193.12
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,512.44 119.25 214.64 89.43	211.20
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,765.99 142.45 256.42 106.84	225.37

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0406 EA 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,695.23	232.86
For Cement Mortar Lining (CML), Add	134.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	241.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407 EA 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,565.96	240.62
For Cement Mortar Lining (CML), Add	120.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	216.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,576.50	253.46
For Cement Mortar Lining (CML), Add	119.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	214.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,628.86	271.53
For Cement Mortar Lining (CML), Add	121.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	219.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,951.61	301.92
For Cement Mortar Lining (CML), Add	149.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	268.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,296.17	300.77
For Cement Mortar Lining (CML), Add	184.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	331.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,362.05	313.62
For Cement Mortar Lining (CML), Add	188.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	339.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	141.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,414.41	331.68
For Cement Mortar Lining (CML), Add	191.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	344.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	143.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,376.56	362.07
For Cement Mortar Lining (CML), Add	182.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	329.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,903.55	422.42
For Cement Mortar Lining (CML), Add	226.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	407.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	169.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,717.72	374.43
For Cement Mortar Lining (CML), Add	415.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	747.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	311.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,928.01	404.82
For Cement Mortar Lining (CML), Add	431.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	776.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	323.60	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0418 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,780.22 407.54 733.58 305.66	465.15
33 14 13 13-0419 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,676.78 388.09 698.55 291.06	525.32
33 14 13 13-0420 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,069.47 631.40 1,136.51 473.55	498.64
33 14 13 13-0421 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,859.26 501.26 902.27 375.95	558.78
33 14 13 13-0422 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,363.18 545.18 981.32 408.88	601.53
33 14 13 13-0423 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,172.10 852.57 1,534.63 639.43	426.61
33 14 13 13-0424 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,139.61 844.72 1,520.49 633.54	457.00
33 14 13 13-0425 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,202.48 841.86 1,515.35 631.40	517.34
33 14 13 13-0426 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,270.08 939.51 1,691.12 704.63	577.50
33 14 13 13-0427 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,481.89 754.21 1,357.58 565.66	620.23
33 14 13 13-0428 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,878.91 788.85 1,419.92 591.63	653.71
33 14 13 13-0429 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,348.37 1,165.68 2,098.23 874.26	456.42

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0430 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,976.71	486.82
For Cement Mortar Lining (CML), Add	1,123.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,023.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	842.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,425.49	547.15
For Cement Mortar Lining (CML), Add	1,059.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,907.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	794.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432 EA 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,786.19	607.30
For Cement Mortar Lining (CML), Add	1,086.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,955.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	814.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433 EA 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,077.00	650.05
For Cement Mortar Lining (CML), Add	1,309.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,356.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	981.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434 EA 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,340.80	683.53
For Cement Mortar Lining (CML), Add	1,130.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,034.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	847.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435 EA 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,543.75	702.23
For Cement Mortar Lining (CML), Add	1,247.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,246.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	935.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)		
33 14 13 13-0437 EA 3" Mechanical Joint Ductile Iron Caps	199.53	101.05
For Cement Mortar Lining (CML), Add	4.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	8.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438 EA 4" Mechanical Joint Ductile Iron Caps	227.85	118.57
For Cement Mortar Lining (CML), Add	4.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	8.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439 EA 6" Mechanical Joint Ductile Iron Caps	310.26	148.22
For Cement Mortar Lining (CML), Add	8.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440 EA 8" Mechanical Joint Ductile Iron Caps	399.47	169.41
For Cement Mortar Lining (CML), Add	14.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	25.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441 EA 10" Mechanical Joint Ductile Iron Caps	572.21	258.65
For Cement Mortar Lining (CML), Add	18.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	32.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442 EA 12" Mechanical Joint Ductile Iron Caps	697.09	282.18
For Cement Mortar Lining (CML), Add	26.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.22	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0443	EA		14" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	879.07 40.88 73.58 30.66	310.39
33 14 13	13-0444	EA		16" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,070.57 54.80 98.65 41.10	344.84
33 14 13	13-0445	EA		18" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,257.27 66.94 120.50 50.21	387.99
33 14 13	13-0446	EA		20" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,537.61 86.58 155.84 64.93	443.37
33 14 13	13-0447	EA		24" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,972.70 118.89 214.00 89.17	517.32
33 14 13	13-0448	EA		30" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,659.31 271.87 489.37 203.91	620.77
33 14 13	13-0449	EA		36" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,120.50 494.48 890.06 370.86	775.97
33 14 13	13-0450	EA		42" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,910.15 749.93 1,349.87 562.45	931.17
33 14 13	13-0451	EA		48" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,603.90 903.63 1,626.53 677.72	1,034.62
33 14 13	13-0452			Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0002)</small>		
33 14 13	13-0453	EA		3" Mechanical Joint Ductile Iron Plug <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	206.67 5.36 9.64 4.02	101.05
33 14 13	13-0454	EA		4" Mechanical Joint Ductile Iron Plug <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	238.57 5.89 10.60 4.42	118.57
33 14 13	13-0455	EA		6" Mechanical Joint Ductile Iron Plug <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	338.82 11.43 20.57 8.57	148.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0456 EA 8" Mechanical Joint Ductile Iron Plug.....	428.03	169.41
For Cement Mortar Lining (CML), Add	17.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457 EA 10" Mechanical Joint Ductile Iron Plug.....	688.23	258.65
For Cement Mortar Lining (CML), Add	29.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458 EA 12" Mechanical Joint Ductile Iron Plug.....	729.23	282.18
For Cement Mortar Lining (CML), Add	30.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	54.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459 EA 14" Mechanical Joint Ductile Iron Plug.....	1,084.36	310.39
For Cement Mortar Lining (CML), Add	61.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	110.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460 EA 16" Mechanical Joint Ductile Iron Plug.....	601.09	344.84
For Cement Mortar Lining (CML), Add	7.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	14.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461 EA 18" Mechanical Joint Ductile Iron Plug.....	1,562.53	387.99
For Cement Mortar Lining (CML), Add	97.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	175.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462 EA 20" Mechanical Joint Ductile Iron Plug.....	1,953.55	443.37
For Cement Mortar Lining (CML), Add	128.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	230.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463 EA 24" Mechanical Joint Ductile Iron Plug.....	2,561.79	517.32
For Cement Mortar Lining (CML), Add	177.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	320.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	133.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464 EA 30" Mechanical Joint Ductile Iron Plug.....	4,469.75	620.77
For Cement Mortar Lining (CML), Add	352.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	635.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	264.69	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465 EA 36" Mechanical Joint Ductile Iron Plug.....	6,627.48	775.97
For Cement Mortar Lining (CML), Add	545.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	981.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	408.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466 EA 42" Mechanical Joint Ductile Iron Plug.....	8,974.41	931.17
For Cement Mortar Lining (CML), Add	756.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,361.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	567.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467 EA 48" Mechanical Joint Ductile Iron Plug.....	11,649.98	1,034.62
For Cement Mortar Lining (CML), Add	1,008.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,814.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	756.18	
Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0468 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0469 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	348.77	153.61
For Cement Mortar Lining (CML), Add	11.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	394.45	177.86
For Cement Mortar Lining (CML), Add	12.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	22.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	510.02	222.32
For Cement Mortar Lining (CML), Add	17.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	647.39	254.06
For Cement Mortar Lining (CML), Add	26.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	47.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,044.84	387.99
For Cement Mortar Lining (CML), Add	45.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,226.82	423.26
For Cement Mortar Lining (CML), Add	58.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,635.47	465.58
For Cement Mortar Lining (CML), Add	93.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	167.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,845.96	517.32
For Cement Mortar Lining (CML), Add	106.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	191.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,506.24	581.97
For Cement Mortar Lining (CML), Add	162.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	292.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,942.82	665.10
For Cement Mortar Lining (CML), Add	193.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	348.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	145.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,558.86	775.97
For Cement Mortar Lining (CML), Add	238.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	428.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,796.90	931.17
For Cement Mortar Lining (CML), Add	438.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	789.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	328.95	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0481 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	8,048.98	1,163.96
For Cement Mortar Lining (CML), Add	628.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,131.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	471.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	10,778.65	1,330.20
For Cement Mortar Lining (CML), Add	876.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,577.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	657.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	13,326.34	1,551.94
For Cement Mortar Lining (CML), Add	1,097.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,975.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	823.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0485 EA 3" Mechanical Joint Ductile Iron Long Sleeves.....	330.92	153.61
For Cement Mortar Lining (CML), Add	9.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486 EA 4" Mechanical Joint Ductile Iron Long Sleeves.....	385.52	177.86
For Cement Mortar Lining (CML), Add	11.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487 EA 6" Mechanical Joint Ductile Iron Long Sleeves.....	531.44	222.32
For Cement Mortar Lining (CML), Add	19.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	35.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488 EA 8" Mechanical Joint Ductile Iron Long Sleeves.....	704.52	254.06
For Cement Mortar Lining (CML), Add	31.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	57.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489 EA 10" Mechanical Joint Ductile Iron Long Sleeves.....	968.08	387.99
For Cement Mortar Lining (CML), Add	38.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	68.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490 EA 12" Mechanical Joint Ductile Iron Long Sleeves.....	1,155.41	423.26
For Cement Mortar Lining (CML), Add	51.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	92.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491 EA 14" Mechanical Joint Ductile Iron Long Sleeves.....	1,481.95	465.58
For Cement Mortar Lining (CML), Add	77.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	139.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492 EA 16" Mechanical Joint Ductile Iron Long Sleeves.....	1,767.41	517.32
For Cement Mortar Lining (CML), Add	98.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	177.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493 EA 18" Mechanical Joint Ductile Iron Long Sleeves.....	2,140.29	581.97
For Cement Mortar Lining (CML), Add	125.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	226.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.39	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13	13-0494	EA	20" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,526.89 151.91 273.45 113.94	665.10
	33 14 13	13-0495	EA	24" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,176.84 200.11 360.20 150.08	775.97
	33 14 13	13-0496	EA	30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,602.32 419.15 754.46 314.36	931.17
	33 14 13	13-0497	EA	36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,649.11 588.55 1,059.40 441.42	1,163.96
	33 14 13	13-0498	EA	42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,885.58 787.24 1,417.03 590.43	1,328.67
	33 14 13	13-0499	EA	48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,410.24 1,105.88 1,990.59 829.41	1,551.94
	33 14 13	13-0500		Mechanical Joint Ductile Iron Gland Packs <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
	33 14 13	13-0501		Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
	33 14 13	13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	35.70	
	33 14 13	13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	58.03	
	33 14 13	13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	70.12	
	33 14 13	13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	82.21	
	33 14 13	13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	113.65	
	33 14 13	13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	120.90	
	33 14 13	13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	198.28	
	33 14 13	13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	210.37	
	33 14 13	13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	280.49	
	33 14 13	13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	362.70	
	33 14 13	13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	505.36	
	33 14 13	13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	1,206.58	
	33 14 13	13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	2,601.77	
	33 14 13	13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	3,798.68	
	33 14 13	13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	4,661.90	
	33 14 13	13-0517		Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
	33 14 13	13-0518	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	60.69	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0519 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	82.21	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0520 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	103.97	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0521 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	113.65	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0522 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	157.17	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0523 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	164.42	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0524 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	249.05	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0525 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	273.23	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0526 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	362.70	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0527 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	469.09	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0528 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	655.28	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0529 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>		
Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0530 EA 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	39.27	
33 14 13 13-0531 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	62.87	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0532 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	74.96	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0533 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	89.47	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0534 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	123.32	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0535 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	130.57	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0536 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	215.20	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0537 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	227.29	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0538 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	307.09	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0539 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	394.13	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0540 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	551.30	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0541 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,320.23	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0542 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	2,925.78	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0543 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	4,236.34	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0544 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	5,213.21	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0545 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) <small>(33 14 13 13-0002)</small>		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0546 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	208.75	77.05
33 14 13 13-0547 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	238.22	91.25
33 14 13 13-0548 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	295.51	112.94
33 14 13 13-0549 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	368.48	131.81
33 14 13 13-0550 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	535.20	193.99
33 14 13 13-0551 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	659.35	221.74
33 14 13 13-0552 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	767.27	238.67
33 14 13 13-0553 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	944.57	258.65
33 14 13 13-0554 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,211.44	310.39
33 14 13 13-0555 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,429.29	344.72
33 14 13 13-0556 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,854.77	397.75
33 14 13 13-0557 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,592.81	476.98
33 14 13 13-0558 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	4,436.96	596.91
33 14 13 13-0559 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	6,543.05	688.73
33 14 13 13-0560 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	8,379.21	885.78
33 14 13 13-0561 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) <small>(33 14 13 13-0002)</small>		
33 14 13 13-0562 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,431.07	63.06
33 14 13 13-0563 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,613.93	78.83
33 14 13 13-0564 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,695.13	116.49
33 14 13 13-0565 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,098.47	138.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0566 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	11,471.15	154.84
33 14 13 13-0567 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	15,299.61	181.65
33 14 13 13-0568 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	18,846.93	203.69
33 14 13 13-0569 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,296.67	232.79
33 14 13 13-0570 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	25,138.65	325.91
33 14 13 13-0571 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	33,818.80	407.39
33 14 13 13-0572 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	46,859.53	543.18
33 14 13 13-0573 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) <small>(33 14 13 13-0002)</small>		
Note: Includes machined bolts and gasket.		
33 14 13 13-0574 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	207.27	77.05
33 14 13 13-0575 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	265.77	91.25
33 14 13 13-0576 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	343.29	112.94
33 14 13 13-0577 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	391.91	131.81
33 14 13 13-0578 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	687.22	202.12
33 14 13 13-0579 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	777.85	231.02
33 14 13 13-0580 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) <small>(33 14 13 13-0002)</small>		
Note: Includes nuts, bolts and gasket.		
33 14 13 13-0581 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)).....	300.86	77.05
33 14 13 13-0582 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	374.05	91.25
33 14 13 13-0583 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	517.38	112.94
33 14 13 13-0584 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	746.92	131.81
33 14 13 13-0585 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,082.48	202.12
33 14 13 13-0586 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,345.16	231.02
33 14 13 13-0587 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,068.77	248.67
33 14 13 13-0588 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	2,896.44	269.49
33 14 13 13-0589 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,276.75	323.39
33 14 13 13-0590 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,619.68	359.16
33 14 13 13-0591 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,378.21	414.40
33 14 13 13-0592 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,631.52	496.96
33 14 13 13-0593 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,407.03	621.90
33 14 13 13-0594 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	21,896.21	1717.58
33 14 13 13-0595 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	28,046.07	922.87
33 14 13 13-0596 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
Note: . See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0597 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0598 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	446.87	43.98
33 14 13 13-0599 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	534.83	52.68
33 14 13 13-0600 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	829.86	77.17
33 14 13 13-0601 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,133.94	91.87
33 14 13 13-0602 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,555.90	103.47
33 14 13 13-0603 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,972.09	121.10
33 14 13 13-0604 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,801.30	136.38
33 14 13 13-0605 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,398.37	155.20
33 14 13 13-0606 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,108.26	217.51
33 14 13 13-0607 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,120.63	271.59
33 14 13 13-0608 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,238.67	362.12
33 14 13 13-0609 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	11,578.83	387.99
33 14 13 13-0610 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,044.04	403.27
33 14 13 13-0611 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	28,069.52	465.58
33 14 13 13-0612 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	36,711.70	494.98
33 14 13 13-0613 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0614 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	427.23	43.98
33 14 13 13-0615 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	500.91	52.68
33 14 13 13-0616 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	770.95	77.17
33 14 13 13-0617 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,042.90	91.87
33 14 13 13-0618 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,363.11	103.47
33 14 13 13-0619 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,798.93	121.10
33 14 13 13-0620 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,430.00	136.38
33 14 13 13-0621 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,909.25	155.20
33 14 13 13-0622 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,442.41	217.51
33 14 13 13-0623 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,179.87	271.59
33 14 13 13-0624 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,508.89	362.12
33 14 13 13-0625 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,120.39	387.99
33 14 13 13-0626 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	13,986.13	403.27
33 14 13 13-0627 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	20,775.52	465.58
33 14 13 13-0628 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	26,590.07	494.98

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0629			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0630	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	332.62	43.98
33 14 13 13-0631	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	495.55	52.68
33 14 13 13-0632	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	749.53	77.17
33 14 13 13-0633	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,035.76	91.87
33 14 13 13-0634	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,361.33	103.47
33 14 13 13-0635	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,695.40	121.10
33 14 13 13-0636	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,444.28	136.38
33 14 13 13-0637	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,844.99	155.20
33 14 13 13-0638	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,426.34	217.51
33 14 13 13-0639	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,328.03	271.59
33 14 13 13-0640	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,391.07	362.12
33 14 13 13-0641	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,008.26	387.99
33 14 13 13-0642	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,290.27	403.27
33 14 13 13-0643	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	17,581.94	465.58
33 14 13 13-0644	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	22,507.50	494.98
33 14 13 13-0645			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0646	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	332.62	43.98
33 14 13 13-0647	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	593.73	52.68
33 14 13 13-0648	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	756.67	77.17
33 14 13 13-0649	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,003.63	91.87
33 14 13 13-0650	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,357.76	103.47
33 14 13 13-0651	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,647.20	121.10
33 14 13 13-0652	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,631.72	136.38
33 14 13 13-0653	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,932.46	155.20
33 14 13 13-0654	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,933.32	217.51
33 14 13 13-0655	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,174.51	271.59
33 14 13 13-0656	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,392.86	362.12
33 14 13 13-0657	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,126.08	387.99
33 14 13 13-0658	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	11,952.88	403.27
33 14 13 13-0659	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,099.96	465.58
33 14 13 13-0660	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	22,378.97	494.98
33 14 13 13-0661			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0662	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	391.53	43.98
33 14 13 13-0663	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	575.88	52.68
33 14 13 13-0664	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	897.70	77.17
33 14 13 13-0665	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,219.63	91.87
33 14 13 13-0666	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,680.86	103.47
33 14 13 13-0667	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,109.54	121.10
33 14 13 13-0668	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,788.48	136.38
33 14 13 13-0669	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,910.04	155.20
33 14 13 13-0670	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,755.59	217.51
33 14 13 13-0671	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,787.60	271.59
33 14 13 13-0672	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,423.99	362.12
33 14 13 13-0673			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0674	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	391.53	43.98
33 14 13 13-0675	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	508.05	52.68
33 14 13 13-0676	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	799.52	77.17
33 14 13 13-0677	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,130.37	91.87
33 14 13 13-0678	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,500.57	103.47
33 14 13 13-0679	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,952.45	121.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0831 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,676.16	724.24
33 14 13 13-0832 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,617.20	604.31
33 14 13 13-0833 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,931.77	612.55
33 14 13 13-0834 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,173.07	619.60
33 14 13 13-0835 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,416.57	627.84
33 14 13 13-0836 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,178.30	640.76
33 14 13 13-0837 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,071.12	658.40
33 14 13 13-0838 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,741.96	688.97
33 14 13 13-0839 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,706.32	748.93
33 14 13 13-0840 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,055.97	808.89
33 14 13 13-0841 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,598.48	852.39
33 14 13 13-0842 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,987.07	694.85
33 14 13 13-0843 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,411.41	707.78
33 14 13 13-0844 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,825.82	725.41
33 14 13 13-0845 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,558.47	755.99
33 14 13 13-0846 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	44,347.22	815.94
33 14 13 13-0847 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	49,218.91	875.91
33 14 13 13-0848 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	55,194.21	919.41
33 14 13 13-0849 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,003.84	952.33
33 14 13 13-0850 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	58,065.43	853.57
33 14 13 13-0851 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	59,479.36	913.53
33 14 13 13-0852 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,553.49	957.03
33 14 13 13-0853 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,774.37	989.95
33 14 13 13-0854 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	85,982.26	1,008.76
33 14 13 13-0855 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,216.80	913.53
33 14 13 13-0856 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	64,859.00	973.48
33 14 13 13-0857 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,145.58	1,015.81
33 14 13 13-0858 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	78,921.62	1,049.91
33 14 13 13-0859 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	103,473.95	1,068.73
33 14 13 13-0860 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	113,671.09	1,098.12
33 14 13 13-0861 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee <small>(33 14 13 13-0596)</small>		
33 14 13 13-0862 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,100.97	113.92
33 14 13 13-0863 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,370.05	129.84
33 14 13 13-0864 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,972.15	139.91
33 14 13 13-0865 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,270.56	155.20
33 14 13 13-0866 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,005.67	181.06
33 14 13 13-0867 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,662.01	217.51
33 14 13 13-0868 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,319.99	278.64
33 14 13 13-0869 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	5,804.19	398.56
33 14 13 13-0870 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,770.01	518.49
33 14 13 13-0871 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	12,335.36	604.31
33 14 13 13-0872 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 14 13 13-0596)</small>		
33 14 13 13-0873 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	613.48	87.97
33 14 13 13-0874 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	768.04	95.72
33 14 13 13-0875 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	962.80	96.77
33 14 13 13-0876 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,019.00	119.97
33 14 13 13-0877 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,193.87	129.84
33 14 13 13-0878 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,316.05	161.69
33 14 13 13-0879 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,267.61	142.10
33 14 13 13-0880 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,493.33	173.95
33 14 13 13-0881 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,476.03	186.19
33 14 13 13-0882 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,494.78	150.49
33 14 13 13-0883 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,673.89	181.06
33 14 13 13-0884 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,991.44	192.82
33 14 13 13-0885 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,157.61	206.92
33 14 13 13-0886 EA 12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,924.91	163.42
33 14 13 13-0887 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,227.21	193.99
33 14 13 13-0888 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,418.02	205.75
33 14 13 13-0889 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,823.39	219.85
33 14 13 13-0890 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,226.75	232.79
33 14 13 13-0891 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,340.16	212.80
33 14 13 13-0892 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,964.75	224.56
33 14 13 13-0893 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,059.51	239.85
33 14 13 13-0894 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,284.36	251.60
33 14 13 13-0895 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,749.32	271.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0969 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	921.78	84.52
33 14 13 13-0970 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,088.90	76.42
33 14 13 13-0971 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,138.65	88.18
33 14 13 13-0972 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,184.34	96.41
33 14 13 13-0973 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,259.52	84.65
33 14 13 13-0974 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,393.19	96.41
33 14 13 13-0975 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,415.67	103.47
33 14 13 13-0976 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,478.80	111.69
33 14 13 13-0977 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,183.82	109.35
33 14 13 13-0978 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,195.58	116.40
33 14 13 13-0979 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,908.83	124.62
33 14 13 13-0980 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,947.36	131.68
33 14 13 13-0981 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,618.20	126.98
33 14 13 13-0982 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,538.93	135.20
33 14 13 13-0983 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,382.48	142.26
33 14 13 13-0984 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,353.18	149.32
33 14 13 13-0985 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,661.83	162.25
33 14 13 13-0986 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,843.82	164.60
33 14 13 13-0987 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,208.62	172.83
33 14 13 13-0988 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,063.30	179.88
33 14 13 13-0989 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,664.70	192.82
33 14 13 13-0990 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,204.73	211.63
33 14 13 13-0991 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,786.74	225.73
33 14 13 13-0992 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,815.95	232.79
33 14 13 13-0993 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,463.54	241.02
33 14 13 13-0994 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,459.80	253.96
33 14 13 13-0995 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,372.92	271.59
33 14 13 13-0996 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,992.00	302.16
33 14 13 13-0997 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,768.56	300.98
33 14 13 13-0998 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,838.01	313.91
33 14 13 13-0999 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,922.51	331.55
33 14 13 13-1000 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,843.60	362.12
33 14 13 13-1001 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,586.59	422.08
33 14 13 13-1002 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,718.18	373.88
33 14 13 13-1003 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,087.33	404.44
33 14 13 13-1004 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,746.76	465.58
33 14 13 13-1005 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,399.09	525.54
33 14 13 13-1006 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,498.35	498.50
33 14 13 13-1007 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,677.30	558.46
33 14 13 13-1008 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,399.00	601.97
33 14 13 13-1009 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,046.27	426.79
33 14 13 13-1010 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,942.37	457.35

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1011	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,978.46	517.32
33 14 13 13-1012	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,639.05	577.27
33 14 13 13-1013	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,397.78	620.77
33 14 13 13-1014	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,066.13	653.69
33 14 13 13-1015	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,491.76	456.18
33 14 13 13-1016	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,791.63	486.74
33 14 13 13-1017	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,737.01	546.71
33 14 13 13-1018	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,308.35	607.84
33 14 13 13-1019	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	24,345.01	650.17
33 14 13 13-1020	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,039.69	683.08
33 14 13 13-1021	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	23,145.91	701.90
33 14 13 13-1022		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0596)</small>		
33 14 13 13-1023	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	397.68	101.05
33 14 13 13-1024	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	479.56	118.82
33 14 13 13-1025	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	702.98	148.22
33 14 13 13-1026	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	943.93	169.04
33 14 13 13-1027	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,257.68	258.65
33 14 13 13-1028	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,587.87	282.18
33 14 13 13-1029	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,805.55	310.39
33 14 13 13-1030	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,198.77	344.49
33 14 13 13-1031	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,576.47	387.99
33 14 13 13-1032	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	3,108.52	443.24
33 14 13 13-1033	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	3,988.10	517.32
33 14 13 13-1034	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	7,250.97	620.77
33 14 13 13-1035	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	11,897.15	775.97
33 14 13 13-1036	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	17,155.62	931.17
33 14 13 13-1037	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	20,430.98	1,034.62
33 14 13 13-1038		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0596)</small>		
33 14 13 13-1039	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	399.47	101.05
33 14 13 13-1040	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	497.41	118.82
33 14 13 13-1041	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	749.40	148.22
33 14 13 13-1042	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	990.34	169.04
33 14 13 13-1043	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,523.67	258.65
33 14 13 13-1044	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,648.56	282.18
33 14 13 13-1045	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,192.92	310.39
33 14 13 13-1046	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,646.83	344.49
33 14 13 13-1047	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,149.50	387.99
33 14 13 13-1048	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,883.26	443.24
33 14 13 13-1049	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,091.30	517.32
33 14 13 13-1050	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,775.46	620.77
33 14 13 13-1051	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	12,845.05	775.97
33 14 13 13-1052	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	17,275.22	931.17
33 14 13 13-1053	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	22,967.64	1,034.62
33 14 13 13-1054		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0596)</small>		
33 14 13 13-1055	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	541.57	153.61
33 14 13 13-1056	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	717.56	177.62
33 14 13 13-1057	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	988.43	222.94
33 14 13 13-1058	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,300.75	253.57
33 14 13 13-1059	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,923.12	387.99
33 14 13 13-1060	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,297.89	423.26
33 14 13 13-1061	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,008.22	465.58
33 14 13 13-1062	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,415.08	517.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1063 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,484.15	581.97
33 14 13 13-1064 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,201.00	665.45
33 14 13 13-1065 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,297.23	775.97
33 14 13 13-1066 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	9,916.96	931.17
33 14 13 13-1067 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,493.59	1,163.96
33 14 13 13-1068 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	18,368.99	1,329.73
33 14 13 13-1069 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	22,833.89	1,551.94
33 14 13 13-1070 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0596)</small>		
33 14 13 13-1071 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	562.99	153.61
33 14 13 13-1072 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	690.78	177.62
33 14 13 13-1073 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,018.78	222.94
33 14 13 13-1074 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,382.86	253.57
33 14 13 13-1075 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,808.87	387.99
33 14 13 13-1076 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,190.78	423.26
33 14 13 13-1077 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,779.73	465.58
33 14 13 13-1078 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,293.69	517.32
33 14 13 13-1079 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,934.34	581.97
33 14 13 13-1080 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,581.56	665.45
33 14 13 13-1081 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,729.56	775.97
33 14 13 13-1082 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	9,622.41	931.17
33 14 13 13-1083 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	12,509.99	1,163.96
33 14 13 13-1084 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	16,292.37	1,328.55
33 14 13 13-1085 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	24,217.35	1,551.94
33 14 13 13-1086 Push-On Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
33 14 13 13-1087 Push-On Joint Ductile Iron Pipe <small>(33 14 13 13-1086)</small> Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-1088 LF 4", Class 50, Push-On Joint Ductile Iron Pipe.....	36.10	10.11
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.55	
For Cement Mortar Lining (CML), Add	2.08	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	11.23	
For Fusion Bonded Epoxy Lining (206N), Add	3.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.56	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.81	
For Class 51, Add	3.03	
For Class 52, Add	6.52	
For Class 53, Add	11.72	
For Class 54, Add	16.70	
For Class 55, Add	19.22	
For Class 56, Add	21.70	
33 14 13 13-1089 LF 6", Class 50, Push-On Joint Ductile Iron Pipe.....	39.59	11.14
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.97	
For Cement Mortar Lining (CML), Add	2.28	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	12.32	
For Fusion Bonded Epoxy Lining (206N), Add	4.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.71	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.98	
For Class 51, Add	3.32	
For Class 52, Add	7.15	
For Class 53, Add	12.85	
For Class 54, Add	18.32	
For Class 55, Add	21.09	
For Class 56, Add	23.81	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-1090	LF	8", Class 50, Push-On Joint Ductile Iron Pipe.....	49.56	12.25
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.83	
			For Cement Mortar Lining (CML), Add	3.12	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.84	
			For Fusion Bonded Epoxy Lining (206N), Add	5.61	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.34	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.48	
			For Class 51, Add	4.48	
			For Class 52, Add	9.66	
			For Class 53, Add	17.40	
			For Class 54, Add	24.82	
			For Class 55, Add	28.55	
			For Class 56, Add	32.21	
33 14 13	13-1091	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....	70.44	17.52
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.39	
			For Cement Mortar Lining (CML), Add	4.40	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	22.00	
			For Fusion Bonded Epoxy Lining (206N), Add	7.92	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.30	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.52	
			For Class 51, Add	6.33	
			For Class 52, Add	13.64	
			For Class 53, Add	24.57	
			For Class 54, Add	35.04	
			For Class 55, Add	40.30	
			For Class 56, Add	45.47	
33 14 13	13-1092	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....	81.84	19.40
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.23	
			For Cement Mortar Lining (CML), Add	5.25	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	20.98	
			For Fusion Bonded Epoxy Lining (206N), Add	9.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.93	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.09	
			For Class 51, Add	7.52	
			For Class 52, Add	16.21	
			For Class 53, Add	29.21	
			For Class 54, Add	41.67	
			For Class 55, Add	47.91	
			For Class 56, Add	54.05	
33 14 13	13-1093	LF	14", Class 50, Push-On Joint Ductile Iron Pipe.....	99.90	21.87
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.42	
			For Cement Mortar Lining (CML), Add	6.69	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	22.73	
			For Fusion Bonded Epoxy Lining (206N), Add	12.03	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.01	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.00	
			For Class 51, Add	9.53	
			For Class 52, Add	20.56	
			For Class 53, Add	37.07	
			For Class 54, Add	52.89	
			For Class 55, Add	60.80	
			For Class 56, Add	68.57	
33 14 13	13-1094	LF	16", Class 50, Push-On Joint Ductile Iron Pipe.....	118.46	24.93
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.10	
			For Cement Mortar Lining (CML), Add	8.07	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	25.02	
			For Fusion Bonded Epoxy Lining (206N), Add	14.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.05	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.92	
			For Class 51, Add	11.47	
			For Class 52, Add	24.76	
			For Class 53, Add	44.67	
			For Class 54, Add	63.75	
			For Class 55, Add	73.27	
			For Class 56, Add	82.62	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1095 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	137.84	29.16
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	38.44	
For Cement Mortar Lining (CML), Add	9.38	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	29.06	
For Fusion Bonded Epoxy Lining (206N), Add	16.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.03	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.89	
For Class 51, Add	13.33	
For Class 52, Add	28.77	
For Class 53, Add	51.89	
For Class 54, Add	74.05	
For Class 55, Add	85.12	
For Class 56, Add	95.98	
33 14 13 13-1096 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	158.95	34.92
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.30	
For Cement Mortar Lining (CML), Add	10.61	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	29.69	
For Fusion Bonded Epoxy Lining (206N), Add	19.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.95	
For Class 51, Add	15.12	
For Class 52, Add	32.62	
For Class 53, Add	58.82	
For Class 54, Add	83.92	
For Class 55, Add	96.47	
For Class 56, Add	108.80	
33 14 13 13-1097 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	201.12	43.62
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	41.83	
For Cement Mortar Lining (CML), Add	13.49	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	28.34	
For Fusion Bonded Epoxy Lining (206N), Add	24.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.12	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.06	
For Class 51, Add	19.22	
For Class 52, Add	41.47	
For Class 53, Add	74.79	
For Class 54, Add	106.72	
For Class 55, Add	122.67	
For Class 56, Add	138.34	
33 14 13 13-1098 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	238.48	46.56
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	52.06	
For Cement Mortar Lining (CML), Add	16.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.59	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.92	
For Class 51, Add	23.77	
For Class 52, Add	51.32	
For Class 53, Add	92.64	
For Class 54, Add	132.23	
For Class 55, Add	151.94	
For Class 56, Add	171.29	
33 14 13 13-1099 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	296.09	49.50
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	68.53	
For Cement Mortar Lining (CML), Add	22.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.58	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-14.80	
For Class 51, Add	31.07	
For Class 52, Add	67.12	
For Class 53, Add	121.29	
For Class 54, Add	173.19	
For Class 55, Add	198.91	
For Class 56, Add	224.16	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1100 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	361.26	52.44
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	87.39	
For Cement Mortar Lining (CML), Add	28.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.14	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-18.06	
For Class 51, Add	39.41	
For Class 52, Add	85.17	
For Class 53, Add	154.05	
For Class 54, Add	220.02	
For Class 55, Add	252.61	
For Class 56, Add	284.61	
33 14 13 13-1101 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	435.27	55.26
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	108.95	
For Cement Mortar Lining (CML), Add	35.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.36	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-21.76	
For Class 51, Add	48.95	
For Class 52, Add	105.81	
For Class 53, Add	191.48	
For Class 54, Add	273.54	
For Class 55, Add	313.98	
For Class 56, Add	353.69	
33 14 13 13-1102 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	552.40	58.20
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	143.91	
For Cement Mortar Lining (CML), Add	46.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	83.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.82	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-27.62	
For Class 51, Add	64.38	
For Class 52, Add	139.20	
For Class 53, Add	252.08	
For Class 54, Add	360.19	
For Class 55, Add	413.33	
For Class 56, Add	465.49	
33 14 13 13-1103 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1086)		
33 14 13 13-1104 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	173.78	39.44
For Cement Mortar Lining (CML), Add	11.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1105 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	252.54	58.19
For Cement Mortar Lining (CML), Add	16.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1106 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	332.69	69.08
For Cement Mortar Lining (CML), Add	22.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1107 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron	504.62	77.37
For Cement Mortar Lining (CML), Add	34.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	62.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron	643.51	90.76
For Cement Mortar Lining (CML), Add	45.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.19	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1109 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,210.41 99.99 179.98 74.99	101.82
33 14 13 13-1110 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,369.34 112.89 203.19 84.66	116.40
33 14 13 13-1111 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,118.10 178.14 320.66 133.61	162.96
33 14 13 13-1112 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,395.07 198.43 357.18 148.82	205.40
33 14 13 13-1113 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,990.83 247.74 445.93 185.80	256.77
33 14 13 13-1114 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1086)		
33 14 13 13-1115 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	147.86 8.81 15.85 6.61	39.44
33 14 13 13-1116 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	217.68 12.95 23.31 9.71	58.19
33 14 13 13-1117 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	295.19 19.05 34.28 14.28	69.08
33 14 13 13-1118 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	452.84 29.28 52.71 21.96	77.37
33 14 13 13-1119 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	577.54 39.00 70.19 29.25	90.76
33 14 13 13-1120 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	798.43 58.79 105.83 44.09	101.82
33 14 13 13-1121 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,153.61 91.31 164.36 68.48	116.40

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1122 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron	1,350.65	162.96
For Cement Mortar Lining (CML), Add	101.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1123 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron	1,869.64	205.40
For Cement Mortar Lining (CML), Add	145.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	262.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	109.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1124 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron	2,321.61	256.77
For Cement Mortar Lining (CML), Add	180.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	325.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	135.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125 Push-On Joint Ductile Iron Tee (33 14 13 13-1086)		
33 14 13 13-1126 EA 4" Tee, Push-On Joint Ductile Iron.....	264.48	58.19
For Cement Mortar Lining (CML), Add	17.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127 EA 6" Tee, Push-On Joint Ductile Iron.....	370.81	85.50
For Cement Mortar Lining (CML), Add	24.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1128 EA 8" Tee, Push-On Joint Ductile Iron.....	499.11	103.63
For Cement Mortar Lining (CML), Add	34.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	61.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129 EA 10" Tee, Push-On Joint Ductile Iron.....	714.45	117.57
For Cement Mortar Lining (CML), Add	53.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	96.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130 EA 12" Tee, Push-On Joint Ductile Iron.....	884.32	135.56
For Cement Mortar Lining (CML), Add	67.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	122.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131 EA 14" Tee, Push-On Joint Ductile Iron.....	1,391.53	162.96
For Cement Mortar Lining (CML), Add	114.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	206.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1132 EA 16" Tee, Push-On Joint Ductile Iron.....	1,992.69	203.75
For Cement Mortar Lining (CML), Add	168.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	303.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1133 EA 18" Tee, Push-On Joint Ductile Iron.....	2,513.86	271.83
For Cement Mortar Lining (CML), Add	210.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	378.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1134 EA 20" Tee, Push-On Joint Ductile Iron.....	2,969.01	331.67
For Cement Mortar Lining (CML), Add	246.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	443.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	184.99	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1135 EA 24" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,877.05 324.90 584.82 243.67	414.56
33 14 13 13-1136 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1086)		
33 14 13 13-1137 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	435.87 22.86 41.14 17.14	136.82
33 14 13 13-1138 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	533.72 27.71 49.87 20.78	169.41
33 14 13 13-1139 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	697.71 39.83 71.69 29.87	197.58
33 14 13 13-1140 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	960.38 51.95 93.51 38.96	290.99
33 14 13 13-1141 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,161.90 65.80 118.44 49.35	332.61
33 14 13 13-1142 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,339.18 79.66 143.38 59.74	358.12
33 14 13 13-1143 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,592.20 100.44 180.78 75.33	387.99
33 14 13 13-1144 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,882.93 117.75 211.95 88.31	465.58
33 14 13 13-1145 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,186.44 140.26 252.47 105.20	517.32
33 14 13 13-1146 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,739.94 183.55 330.40 137.67	596.91
33 14 13 13-1147 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,379.54 329.43 592.97 247.07	716.25

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1148 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,056.95	895.31
For Cement Mortar Lining (CML), Add	470.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	846.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	352.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1149 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron	7,653.99	1,034.62
For Cement Mortar Lining (CML), Add	608.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,095.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	456.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron	9,769.09	1,330.20
For Cement Mortar Lining (CML), Add	775.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,395.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	581.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron	11,867.77	1,552.30
For Cement Mortar Lining (CML), Add	951.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,712.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	713.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1086)		
Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1153 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	39.71	21.31
33 14 13 13-1154 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	53.28	27.80
33 14 13 13-1155 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	70.39	28.77
33 14 13 13-1156 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	80.89	30.55
33 14 13 13-1157 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	94.58	33.95
33 14 13 13-1158 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	116.25	38.19
33 14 13 13-1159 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	136.19	43.64
33 14 13 13-1160 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	152.20	47.29
33 14 13 13-1161 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	178.56	56.74
33 14 13 13-1162 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	208.32	58.93
33 14 13 13-1163 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	260.43	65.47
33 14 13 13-1164 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	330.13	70.92
33 14 13 13-1165 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	400.98	77.60
33 14 13 13-1166 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	470.28	87.29
33 14 13 13-1167 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	632.55	94.67
33 14 13 13-1168 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) (33 14 13 13-1086)		
33 14 13 13-1169 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	247.08	79.36
33 14 13 13-1170 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	325.24	96.88
33 14 13 13-1171 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	418.18	118.16
33 14 13 13-1172 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	627.24	144.14
33 14 13 13-1173 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	777.74	175.77
33 14 13 13-1174 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,333.01	214.45
33 14 13 13-1175 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,523.31	261.72
33 14 13 13-1176 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,731.25	319.21
33 14 13 13-1177 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,349.43	389.51
33 14 13 13-1178 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,994.71	475.10
33 14 13 13-1179 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,147.66	579.74
33 14 13 13-1180 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,293.70	707.19
33 14 13 13-1181 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,212.05	862.86
33 14 13 13-1182 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,086.72	1,052.62
33 14 13 13-1183 Ductile Iron Pipe Repair (33 14 13 13-0001)		
See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1184 Ductile Iron Pipe Repair (33 14 13 13-1183)		
Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1185 EA 30" Diameter Mechanical Ductile Iron Push Joint	2,806.86	
33 14 13 13-1186 EA 36" Diameter Mechanical Ductile Iron Push Joint	3,526.65	
33 14 13 13-1187 EA 42" Diameter Mechanical Ductile Iron Push Joint	4,374.73	
33 14 13 13-1188 EA 48" Diameter Mechanical Ductile Iron Push Joint	5,467.04	
33 14 13 13-1189 EA 54" Diameter Mechanical Ductile Iron Push Joint	7,818.87	
33 14 13 13-1190 WEKO Seals (33 14 13 13-1183)		
Note: Internal joint seal.		
33 14 13 13-1191 EA 16" WEKO Internal Joint Seal	1,471.19	243.34
For Extra Wide Seals, Add	88.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1192 EA 18" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,565.93 89.47	256.95
33 14 13 13-1193 EA 20" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,660.47 90.50	270.56
33 14 13 13-1194 EA 24" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,762.73 92.14	292.21
33 14 13 13-1195 EA 30" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,827.45 93.78	313.85
33 14 13 13-1196 EA 36" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,924.76 95.83	340.91
33 14 13 13-1197 EA 42" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,058.44 98.29	373.38
33 14 13 13-1198 EA 48" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,221.48 100.34	400.43
33 14 13 13-1199 EA 54" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,308.74 101.98	422.08
33 14 13 13-1200 EA 60" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,416.15 104.44	454.55
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)		
33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23) Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0003 LF 4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	10.32	3.68
33 14 13 23-0004 LF 6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	14.98	4.46
33 14 13 23-0005 LF 8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	20.48	5.02
33 14 13 23-0006 LF 10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	26.90	5.57
33 14 13 23-0007 LF 12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	34.79	6.25
33 14 13 23-0008 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0009 LF 4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	11.39	3.68
33 14 13 23-0010 LF 6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	17.19	4.46
33 14 13 23-0011 LF 8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	24.20	5.02
33 14 13 23-0012 LF 10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	32.69	5.57
33 14 13 23-0013 LF 12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	42.87	6.25
33 14 13 23-0014 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0015 LF 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	12.44	3.68
33 14 13 23-0016 LF 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	19.38	4.46
33 14 13 23-0017 LF 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	27.92	5.02
33 14 13 23-0018 LF 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	38.35	5.57
33 14 13 23-0019 LF 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	50.95	6.25
33 14 13 23-0020 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0021 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	54.61	9.36
33 14 13 23-0022 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	66.58	11.14
33 14 13 23-0023 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	89.29	13.37
33 14 13 23-0024 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	128.96	15.60
33 14 13 23-0025 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	177.95	17.83
33 14 13 23-0026 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	225.43	18.95
33 14 13 23-0027 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	285.47	20.39
33 14 13 23-0028 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0029 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	40.31	7.02
33 14 13 23-0030 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	50.56	7.80
33 14 13 23-0031 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	62.70	9.36
33 14 13 23-0032 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	77.08	11.14
33 14 13 23-0033 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	105.49	13.37
33 14 13 23-0034 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	152.19	15.60
33 14 13 23-0035 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	209.07	17.83
33 14 13 23-0036 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	277.18	18.95
33 14 13 23-0037 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	352.62	20.39
33 14 13 23-0038 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0039 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	46.54	7.02
33 14 13 23-0040 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	59.20	7.80
33 14 13 23-0041 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	73.43	9.36
33 14 13 23-0042 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	91.01	11.14
33 14 13 23-0043 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	125.49	13.37
33 14 13 23-0044 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	182.23	15.60
33 14 13 23-0045 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	252.92	17.83
33 14 13 23-0046 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	329.13	18.95
33 14 13 23-0047 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	420.41	20.39

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0048			AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049	LF		14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	57.18	7.02
33 14 13 23-0050	LF		16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	71.84	7.80
33 14 13 23-0051	LF		18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	89.71	9.36
33 14 13 23-0052	LF		20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	110.66	11.14
33 14 13 23-0053	LF		24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	153.82	13.37
33 14 13 23-0054	LF		30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	226.70	15.60
33 14 13 23-0055	LF		36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	321.29	17.83
33 14 13 23-0056	LF		42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	429.41	18.95
33 14 13 23-0057	LF		48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	554.97	20.39
33 14 13 23-0058			AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0059	LF		14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	65.18	7.02
33 14 13 23-0060	LF		16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	82.24	7.80
33 14 13 23-0061	LF		18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	102.83	9.36
33 14 13 23-0062	LF		20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	127.00	11.14
33 14 13 23-0063	LF		24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	177.33	13.37
33 14 13 23-0064	LF		30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	262.88	15.60
33 14 13 23-0065	LF		36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	374.13	17.83
33 14 13 23-0066	LF		42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	501.82	18.95
33 14 13 23-0067			AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0068	LF		14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	72.97	7.02
33 14 13 23-0069	LF		16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	92.36	7.80
33 14 13 23-0070	LF		18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	115.58	9.36
33 14 13 23-0071	LF		20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	142.90	11.14
33 14 13 23-0072	LF		24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	200.20	13.37
33 14 13 23-0073	LF		30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	298.07	15.60
33 14 13 23-0074	LF		36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	425.54	17.83
33 14 13 23-0075			AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)		
			Note: Includes rubber gaskets.		
33 14 13 23-0076			90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0077	EA		4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	207.03	14.64
			For DR 25, Deduct	-10.67	
33 14 13 23-0078	EA		6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	420.94	16.47
			For DR 25, Deduct	-23.28	
33 14 13 23-0079	EA		8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	630.90	18.30
			For DR 25, Deduct	-35.66	
33 14 13 23-0080	EA		10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	965.90	30.16
			For DR 25, Deduct	-54.33	
33 14 13 23-0081	EA		12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,260.09	50.27
			For DR 25, Deduct	-69.57	
33 14 13 23-0082	EA		14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,888.82	62.84
			For DR 25, Deduct	-105.79	
33 14 13 23-0083	EA		16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,254.19	75.42
			For DR 25, Deduct	-126.20	
33 14 13 23-0084	EA		18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,860.04	100.55
			For DR 25, Deduct	-219.54	
33 14 13 23-0085	EA		20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,752.38	125.69
			For DR 25, Deduct	-270.06	
33 14 13 23-0086	EA		24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,877.99	169.68
			For DR 25, Deduct	-452.32	
33 14 13 23-0087			45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0088	EA		4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	183.82	14.64
			For DR 25, Deduct	-9.27	
33 14 13 23-0089	EA		6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	315.68	16.47
			For DR 25, Deduct	-16.97	
33 14 13 23-0090	EA		8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	399.48	18.30
			For DR 25, Deduct	-21.77	
33 14 13 23-0091	EA		10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	567.93	30.16
			For DR 25, Deduct	-30.46	
33 14 13 23-0092	EA		12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	762.10	50.27
			For DR 25, Deduct	-39.69	
33 14 13 23-0093	EA		14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,455.63	62.84
			For DR 25, Deduct	-79.80	
33 14 13 23-0094	EA		16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,843.80	75.42
			For DR 25, Deduct	-101.58	
33 14 13 23-0095	EA		18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,173.90	100.55
			For DR 25, Deduct	-178.37	
33 14 13 23-0096	EA		20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,942.36	125.69
			For DR 25, Deduct	-221.46	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0097 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,561.30 -313.32	169.68
33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0099 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	181.00 -9.10	14.64
33 14 13 23-0100 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	315.68 -16.97	16.47
33 14 13 23-0101 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	399.48 -21.77	18.30
33 14 13 23-0102 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	567.94 -30.46	30.16
33 14 13 23-0103 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	762.10 -39.69	50.27
33 14 13 23-0104 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,450.59 -79.80	60.33
33 14 13 23-0105 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,843.78 -101.58	75.42
33 14 13 23-0106 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,173.90 -178.37	100.55
33 14 13 23-0107 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,942.36 -221.46	125.69
33 14 13 23-0108 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,561.30 -313.32	169.68
33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	160.22 -7.86	14.64
33 14 13 23-0111 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	315.68 -16.97	16.47
33 14 13 23-0112 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	399.48 -21.77	18.30
33 14 13 23-0113 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	567.94 -30.46	30.16
33 14 13 23-0114 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	762.10 -39.69	50.27
33 14 13 23-0115 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,450.59 -79.80	60.33
33 14 13 23-0116 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,843.78 -101.58	75.42
33 14 13 23-0117 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,173.90 -178.37	100.55
33 14 13 23-0118 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,942.36 -221.46	125.69
33 14 13 23-0119 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,561.30 -313.32	169.68
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0121 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	245.84 -12.77	16.47
33 14 13 23-0122 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	471.87 -26.12	18.30
33 14 13 23-0123 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	657.41 -36.96	20.74
33 14 13 23-0124 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,356.85 -76.88	37.70
33 14 13 23-0125 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,664.41 -90.82	75.42
33 14 13 23-0126 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,994.09 -168.34	94.27
33 14 13 23-0127 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,707.48 -208.87	113.12
33 14 13 23-0128 EA 18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,680.23 -262.71	150.83
33 14 13 23-0129 EA 20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,622.48 -314.72	188.53
33 14 13 23-0130 EA 24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,676.90 -445.23	128.20
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	471.06 -25.41	23.79
33 14 13 23-0133 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	639.27 -35.28	25.62

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0134	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	655.34 -36.14	26.53
33 14 13 23-0135	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	853.58 -46.69	37.70
33 14 13 23-0136	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,152.51 -64.51	38.65
33 14 13 23-0137	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,232.42 -69.19	39.59
33 14 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,311.07 -71.73	57.82
33 14 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,502.84 -83.12	58.76
33 14 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,593.60 -88.45	59.70
33 14 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,624.91 -89.65	65.36
33 14 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,458.84 -139.39	67.88
33 14 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,557.23 -145.18	68.81
33 14 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,655.88 -150.98	69.76
33 14 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,763.38 -156.75	75.42
33 14 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,880.05 -162.55	85.47
33 14 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,068.05 -174.13	82.95
33 14 13 23-0148	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,164.53 -179.92	82.95
33 14 13 23-0149	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,262.94 -185.71	83.90
33 14 13 23-0150	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,361.35 -191.50	84.84
33 14 13 23-0151	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,489.25 -197.29	100.55
33 14 13 23-0152	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,595.81 -203.08	105.58
33 14 13 23-0153	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,793.18 -214.62	108.10
33 14 13 23-0154	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,892.26 -220.45	109.03
33 14 13 23-0155	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,990.66 -226.24	109.98
33 14 13 23-0156	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,098.48 -232.03	115.63
33 14 13 23-0157	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,215.05 -237.82	125.69
33 14 13 23-0158	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,320.95 -243.57	130.72
33 14 13 23-0159	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,455.88 -250.76	138.26
33 14 13 23-0160	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,809.84 -272.60	133.23
33 14 13 23-0161	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,976.52 -282.49	134.17
33 14 13 23-0162	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,042.29 -286.32	135.12
33 14 13 23-0163	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,117.57 -290.16	140.78
33 14 13 23-0164	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,201.59 -294.00	150.83
33 14 13 23-0165	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,315.26 -300.21	155.85
33 14 13 23-0166	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,433.97 -306.43	163.39
33 14 13 23-0167	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,528.22 -310.58	175.96
33 14 13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,668.95 -318.87	177.22
33 14 13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,739.99 -323.02	178.17
33 14 13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,811.00 -327.17	179.11
33 14 13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,103.40 -344.03	184.76
33 14 13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,404.60 -360.90	194.82
33 14 13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,695.75 -377.76	199.85
33 14 13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,991.95 -394.63	207.38
33 14 13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,298.19 -411.50	219.96



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0176 EA 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,604.42 -428.36	232.53
33 14 13 23-0177 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0178 EA 4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	342.45 -17.03	29.28
33 14 13 23-0179 EA 6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	610.72 -32.69	32.93
33 14 13 23-0180 EA 8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	843.50 -46.22	36.59
33 14 13 23-0181 EA 10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,721.76 -96.07	60.33
33 14 13 23-0182 EA 12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,043.20 -113.54	75.42
33 14 13 23-0183 EA 14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,708.25 -210.43	100.55
33 14 13 23-0184 EA 16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,602.17 -261.06	125.69
33 14 13 23-0185 EA 18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,876.26 -328.44	201.10
33 14 13 23-0186 EA 20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,059.63 -393.41	251.38
33 14 13 23-0187 EA 24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	9,953.79 -556.50	339.36
33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0189 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	592.01 -31.79	31.10
33 14 13 23-0190 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	801.84 -44.16	32.93
33 14 13 23-0191 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	822.55 -45.18	34.76
33 14 13 23-0192 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,234.99 -68.67	45.25
33 14 13 23-0193 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,438.46 -80.65	47.13
33 14 13 23-0194 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,579.42 -88.88	49.02
33 14 13 23-0195 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,625.52 -89.69	65.36
33 14 13 23-0196 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,866.07 -103.89	67.24
33 14 13 23-0197 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,980.95 -110.56	69.12
33 14 13 23-0198 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,028.48 -112.06	80.44
33 14 13 23-0199 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,054.69 -174.23	75.42
33 14 13 23-0200 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,178.72 -181.45	77.30
33 14 13 23-0201 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,304.11 -188.74	79.18
33 14 13 23-0202 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,447.82 -196.01	90.49
33 14 13 23-0203 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,608.22 -203.22	110.61
33 14 13 23-0204 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,808.09 -217.63	90.49
33 14 13 23-0205 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,933.76 -224.94	92.38
33 14 13 23-0206 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,058.09 -232.17	94.27
33 14 13 23-0207 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,201.71 -239.43	105.58
33 14 13 23-0208 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,276.20 -241.49	125.69
33 14 13 23-0209 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,502.67 -253.87	135.74
33 14 13 23-0210 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,703.13 -268.31	115.63
33 14 13 23-0211 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,828.50 -275.61	117.52
33 14 13 23-0212 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,953.03 -282.85	119.41
33 14 13 23-0213 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,094.83 -290.00	130.72
33 14 13 23-0214 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,256.66 -297.30	150.83
33 14 13 23-0215 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,396.97 -304.51	160.89

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0216 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,576.70	175.96
For DR 25, Deduct	-313.49	
33 14 13 23-0217 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,961.34	140.78
For DR 25, Deduct	-340.79	
33 14 13 23-0218 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,170.76	142.66
For DR 25, Deduct	-353.13	
33 14 13 23-0219 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,254.99	144.54
For DR 25, Deduct	-357.95	
33 14 13 23-0220 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,357.20	155.85
For DR 25, Deduct	-362.73	
33 14 13 23-0221 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,477.03	175.96
For DR 25, Deduct	-367.51	
33 14 13 23-0222 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,625.76	186.02
For DR 25, Deduct	-375.22	
33 14 13 23-0223 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,787.13	201.10
For DR 25, Deduct	-383.10	
33 14 13 23-0224 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,923.55	226.25
For DR 25, Deduct	-388.26	
33 14 13 23-0225 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,974.31	184.76
For DR 25, Deduct	-396.29	
33 14 13 23-0226 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,103.28	186.65
For DR 25, Deduct	-403.80	
33 14 13 23-0227 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,193.82	188.53
For DR 25, Deduct	-409.01	
33 14 13 23-0228 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,567.41	199.85
For DR 25, Deduct	-430.06	
33 14 13 23-0229 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,958.72	219.96
For DR 25, Deduct	-451.13	
33 14 13 23-0230 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,329.86	230.01
For DR 25, Deduct	-472.19	
33 14 13 23-0231 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,712.56	245.10
For DR 25, Deduct	-493.34	
33 14 13 23-0232 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,113.11	270.23
For DR 25, Deduct	-514.36	
33 14 13 23-0233 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,515.16	295.37
For DR 25, Deduct	-535.47	
33 14 13 23-0234 Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0235 EA 4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	125.01	14.64
For DR 25, Deduct	-5.74	
33 14 13 23-0236 EA 6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	230.53	16.47
For DR 25, Deduct	-11.86	
33 14 13 23-0237 EA 8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	277.14	18.30
For DR 25, Deduct	-14.43	
33 14 13 23-0238 EA 10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	396.81	30.16
For DR 25, Deduct	-20.19	
33 14 13 23-0239 EA 12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	628.29	37.70
For DR 25, Deduct	-33.17	
33 14 13 23-0240 EA 14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,085.74	50.27
For DR 25, Deduct	-59.11	
33 14 13 23-0241 EA 16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,287.11	62.84
For DR 25, Deduct	-69.68	
33 14 13 23-0242 EA 18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,067.13	100.55
For DR 25, Deduct	-171.96	
33 14 13 23-0243 EA 20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,442.16	125.69
For DR 25, Deduct	-191.45	
33 14 13 23-0244 EA 24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,844.55	169.68
For DR 25, Deduct	-270.31	
33 14 13 23-0245 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0246 EA 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	154.16	14.64
For DR 25, Deduct	-7.49	
33 14 13 23-0247 EA 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	208.65	16.47
For DR 25, Deduct	-10.54	
33 14 13 23-0248 EA 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	302.04	18.30
For DR 25, Deduct	-15.93	
33 14 13 23-0249 EA 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	416.23	30.16
For DR 25, Deduct	-21.35	
33 14 13 23-0250 EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	667.58	50.27
For DR 25, Deduct	-34.02	
33 14 13 23-0251 EA 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,751.21	60.33
For DR 25, Deduct	-97.83	
33 14 13 23-0252 EA 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,368.76	75.42
For DR 25, Deduct	-133.08	
33 14 13 23-0253 EA 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,920.81	100.55
For DR 25, Deduct	-163.18	
33 14 13 23-0254 EA 20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,491.16	125.69
For DR 25, Deduct	-194.39	
33 14 13 23-0255 EA 24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,742.32	169.68
For DR 25, Deduct	-264.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 14 13 23)</small>		
33 14 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 14 13 23-0256)</small>		
33 14 13 23-0258 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.06 -0.15 0.09	0.98
33 14 13 23-0259 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.45 -0.17 0.12	1.05
33 14 13 23-0260 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.18 -0.21 0.20	1.14
33 14 13 23-0261 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.96 -0.25 0.27	1.26
33 14 13 23-0262 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	6.86 -0.34 0.50	1.42
33 14 13 23-0263 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	9.27 -0.46 0.79	1.61
33 14 13 23-0264 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	11.45 -0.57 1.07	1.71
33 14 13 23-0265 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	16.99 -0.85 1.76	2.11
33 14 13 23-0266 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	32.24 -1.61 3.83	2.68
33 14 13 23-0267 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	53.32 -2.67 6.49	4.02
33 14 13 23-0268 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	80.72 -4.04 10.09	5.38
33 14 13 23-0269 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	112.89 -5.64 14.22	7.24
33 14 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0271 EA 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	30.00	11.71
33 14 13 23-0272 EA 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	38.14	14.64
33 14 13 23-0273 EA 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	48.37	18.30
33 14 13 23-0274 EA 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	87.76	20.25
33 14 13 23-0275 EA 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	93.61	22.69
33 14 13 23-0276 EA 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	112.93	25.74
33 14 13 23-0277 EA 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	123.25	27.48
33 14 13 23-0278 EA 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	180.96	33.75
33 14 13 23-0279 EA 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	273.70	42.87
33 14 13 23-0280 EA 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	473.53	56.28
33 14 13 23-0281 EA 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	568.39	75.30
33 14 13 23-0282 EA 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	747.22	101.36
33 14 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0284 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	30.99	11.71
33 14 13 23-0285 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	38.85	14.64
33 14 13 23-0286 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	48.80	18.30
33 14 13 23-0287 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	74.69	20.25
33 14 13 23-0288 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	94.83	22.69
33 14 13 23-0289 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	117.86	25.74
33 14 13 23-0290 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	121.17	27.48
33 14 13 23-0291 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	176.46	33.75
33 14 13 23-0292 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	264.63	42.87
33 14 13 23-0293 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	456.24	56.28
33 14 13 23-0294 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	496.73	75.30
33 14 13 23-0295 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	648.05	101.36
33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0297 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	44.91	17.56
33 14 13 23-0298 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	56.93	22.08
33 14 13 23-0299 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	71.66	27.57
33 14 13 23-0300 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	115.56	30.50
33 14 13 23-0301 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	133.00	33.91
33 14 13 23-0302 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	156.63	38.67
33 14 13 23-0303 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	190.42	41.11
33 14 13 23-0304 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	258.11	50.67

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0305 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	473.18	64.42
33 14 13 23-0306 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	736.95	84.43
33 14 13 23-0307 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	853.16	129.08
33 14 13 23-0308 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	1,043.22	173.71
33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0310 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	20.16	7.81
33 14 13 23-0311 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.30	10.50
33 14 13 23-0312 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	36.97	13.78
33 14 13 23-0313 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	59.85	15.25
33 14 13 23-0314 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	65.60	16.96
33 14 13 23-0315 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	74.60	19.27
33 14 13 23-0316 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	84.32	20.55
33 14 13 23-0317 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	122.48	25.28
33 14 13 23-0318 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	184.42	32.21
33 14 13 23-0319 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	342.39	42.21
33 14 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	398.46	64.60
33 14 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	498.92	86.85
33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)		
33 14 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.57	0.98
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.17	
33 14 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.41	1.05
For >1,000, Deduct	-0.22	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.27	
33 14 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	5.85	1.26
For >1,000, Deduct	-0.29	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.40	
33 14 13 23-0327 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	7.19	1.42
For >1,000, Deduct	-0.36	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.55	
33 14 13 23-0328 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	9.80	1.61
For >1,000, Deduct	-0.49	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.87	
33 14 13 23-0329 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	11.79	1.71
For >1,000, Deduct	-0.59	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.13	
33 14 13 23-0330 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	16.07	2.11
For >1,000, Deduct	-0.80	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.62	
33 14 13 23-0331 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	25.57	2.68
For >1,000, Deduct	-1.28	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.83	
33 14 13 23-0332 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0322)		
33 14 13 23-0333 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	30.35	11.71
33 14 13 23-0334 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	38.35	14.64
33 14 13 23-0335 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	53.61	20.25
33 14 13 23-0336 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	61.17	22.69
33 14 13 23-0337 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	76.48	25.74
33 14 13 23-0338 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	83.38	27.48
33 14 13 23-0339 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	114.22	33.75
33 14 13 23-0340 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	202.24	42.87
33 14 13 23-0341 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0322)		
33 14 13 23-0342 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	30.27	11.71
33 14 13 23-0343 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	38.27	14.64
33 14 13 23-0344 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	53.65	20.25
33 14 13 23-0345 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	60.83	22.69
33 14 13 23-0346 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	75.55	25.74
33 14 13 23-0347 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	82.29	27.48
33 14 13 23-0348 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	112.02	33.75
33 14 13 23-0349 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	195.22	42.87
33 14 13 23-0350 Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0322)		
33 14 13 23-0351 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	45.29	17.56
33 14 13 23-0352 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	57.21	22.08
33 14 13 23-0353 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	79.98	30.50
33 14 13 23-0354 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	90.55	33.91
33 14 13 23-0355 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	115.26	38.67
33 14 13 23-0356 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	129.54	41.11
33 14 13 23-0357 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	162.36	50.67
33 14 13 23-0358 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	310.11	64.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0359 Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(33 14 13 23-0322)</small>		
33 14 13 23-0360 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	20.33	7.81
33 14 13 23-0361 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	27.45	10.50
33 14 13 23-0362 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	39.77	15.25
33 14 13 23-0363 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	45.24	16.96
33 14 13 23-0364 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	54.38	19.27
33 14 13 23-0365 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	60.88	20.55
33 14 13 23-0366 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	75.82	25.28
33 14 13 23-0367 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	123.75	32.21
33 14 13 23-0368 Crosses, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0322)</small>		
33 14 13 23-0369 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	60.73	23.42
33 14 13 23-0370 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	76.19	29.40
33 14 13 23-0371 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	106.62	40.63
33 14 13 23-0372 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	120.70	45.26
33 14 13 23-0373 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	153.57	51.48
33 14 13 23-0374 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	172.56	54.86
33 14 13 23-0375 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	216.27	67.49
33 14 13 23-0376 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	412.61	85.86
33 14 13 23-0377 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 14 13 23)</small>		
33 14 13 23-0378 Schedule 80 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0377)</small>		
33 14 13 23-0379 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.96	1.05
For >1,000, Deduct	-0.25	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.35	
33 14 13 23-0380 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.95	1.26
For >1,000, Deduct	-0.35	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.57	
33 14 13 23-0381 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.05	1.42
For >1,000, Deduct	-0.45	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.83	
33 14 13 23-0382 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	12.21	1.61
For >1,000, Deduct	-0.61	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.23	
33 14 13 23-0383 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	15.16	1.71
For >1,000, Deduct	-0.76	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.63	
33 14 13 23-0384 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	21.24	2.11
For >1,000, Deduct	-1.06	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.40	
33 14 13 23-0385 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	37.06	2.68
For >1,000, Deduct	-1.85	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	4.55	
33 14 13 23-0386 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(33 14 13 23-0377)</small>		
33 14 13 23-0387 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	41.21	14.64
33 14 13 23-0388 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	53.61	20.25
33 14 13 23-0389 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	64.03	22.69
33 14 13 23-0390 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	82.56	25.74
33 14 13 23-0391 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	89.02	27.48
33 14 13 23-0392 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	115.58	33.75
33 14 13 23-0393 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	195.81	42.87
33 14 13 23-0394 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(33 14 13 23-0377)</small>		
33 14 13 23-0395 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	52.93	14.64
33 14 13 23-0396 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	64.90	20.25
33 14 13 23-0397 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	74.89	22.69
33 14 13 23-0398 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	102.92	25.74
33 14 13 23-0399 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	115.53	27.48
33 14 13 23-0400 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	168.88	33.75
33 14 13 23-0401 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	192.24	42.87
33 14 13 23-0402 Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes <small>(33 14 13 23-0377)</small>		
33 14 13 23-0403 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	63.21	22.08
33 14 13 23-0404 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	98.20	30.50
33 14 13 23-0405 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	112.27	33.91
33 14 13 23-0406 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	126.76	38.67
33 14 13 23-0407 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	140.54	41.11
33 14 13 23-0408 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	170.29	50.67
33 14 13 23-0409 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	309.83	64.42
33 14 13 23-0410 Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(33 14 13 23-0377)</small>		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0411 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	31.73	10.50
33 14 13 23-0412 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	47.13	15.25
33 14 13 23-0413 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	52.17	16.96
33 14 13 23-0414 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	72.17	19.27
33 14 13 23-0415 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	78.81	20.55
33 14 13 23-0416 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	97.61	25.28
33 14 13 23-0417 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	154.19	32.21
33 14 13 23-0418 Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0419 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross	84.16	29.40
33 14 13 23-0420 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	130.80	40.63
33 14 13 23-0421 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross	149.53	45.26
33 14 13 23-0422 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	168.84	51.48
33 14 13 23-0423 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross	187.17	54.86
33 14 13 23-0424 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross	226.79	67.49
33 14 13 23-0425 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross	412.23	85.86
33 14 13 23-0426 AWWA C906, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)		
Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427 High Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0426)		
33 14 13 23-0428 LF 3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	9.48	2.89
For SDR 19, Add	0.33	
For SDR 17, Add	0.81	
For SDR 15.5, Add	1.18	
For SDR 13.5, Add	1.84	
For SDR 11, Add	2.97	
33 14 13 23-0429 LF 4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	8.83	3.68
For SDR 26, Deduct	-0.27	
For SDR 19, Add	0.13	
For SDR 17, Add	0.33	
For SDR 15.5, Add	0.48	
For SDR 13.5, Add	0.75	
For SDR 11, Add	1.21	
33 14 13 23-0430 LF 6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.12	4.46
For SDR 26, Deduct	-0.59	
For SDR 19, Add	0.29	
For SDR 17, Add	0.71	
For SDR 15.5, Add	1.04	
For SDR 13.5, Add	1.63	
For SDR 11, Add	2.62	
33 14 13 23-0431 LF 8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	15.46	5.02
For SDR 26, Deduct	-1.00	
For SDR 19, Add	0.49	
For SDR 17, Add	1.21	
For SDR 15.5, Add	1.77	
For SDR 13.5, Add	2.76	
For SDR 11, Add	4.44	
33 14 13 23-0432 LF 10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	19.59	5.57
For SDR 26, Deduct	-1.55	
For SDR 19, Add	0.76	
For SDR 17, Add	1.88	
For SDR 15.5, Add	2.75	
For SDR 13.5, Add	4.29	
For SDR 11, Add	6.91	
33 14 13 23-0433 LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	24.55	6.25
For SDR 26, Deduct	-2.23	
For SDR 19, Add	1.10	
For SDR 17, Add	2.71	
For SDR 15.5, Add	3.96	
For SDR 13.5, Add	6.19	
For SDR 11, Add	9.96	
33 14 13 23-0434 LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	28.25	7.02
For SDR 26, Deduct	-2.62	
For SDR 19, Add	1.29	
For SDR 17, Add	3.18	
For SDR 15.5, Add	4.66	
For SDR 13.5, Add	7.27	
For SDR 11, Add	11.71	
33 14 13 23-0435 LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	34.31	7.80
For SDR 26, Deduct	-3.43	
For SDR 19, Add	1.68	
For SDR 17, Add	4.16	
For SDR 15.5, Add	6.09	
For SDR 13.5, Add	9.50	
For SDR 11, Add	15.30	
33 14 13 23-0436 LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	42.42	9.36
For SDR 26, Deduct	-4.33	
For SDR 19, Add	2.13	
For SDR 17, Add	5.25	
For SDR 15.5, Add	7.69	
For SDR 13.5, Add	12.01	
For SDR 11, Add	19.33	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0437 LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	139.29	11.14
For SDR 26, Deduct	-21.45	
For SDR 19, Add	10.53	
For SDR 17, Add	26.00	
For SDR 15.5, Add	38.07	
For SDR 13.5, Add	59.42	
For SDR 11, Add	95.65	
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	68.81	13.37
For SDR 26, Deduct	-7.71	
For SDR 19, Add	3.79	
For SDR 17, Add	9.35	
For SDR 15.5, Add	13.69	
For SDR 13.5, Add	21.36	
For SDR 11, Add	34.38	
33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping ^(33 14 13 23-0426)		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	68.37	18.30
For SDR 26, Deduct	-2.47	
For SDR 19, Add	1.21	
For SDR 17, Add	3.00	
For SDR 15.5, Add	4.39	
For SDR 13.5, Add	6.85	
For SDR 11, Add	11.02	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	77.05	20.34
For SDR 26, Deduct	-2.94	
For SDR 19, Add	1.45	
For SDR 17, Add	3.57	
For SDR 15.5, Add	5.23	
For SDR 13.5, Add	8.16	
For SDR 11, Add	13.13	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	112.40	23.24
For SDR 26, Deduct	-7.83	
For SDR 19, Add	3.85	
For SDR 17, Add	9.49	
For SDR 15.5, Add	13.90	
For SDR 13.5, Add	21.70	
For SDR 11, Add	34.93	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	170.68	27.13
For SDR 26, Deduct	-16.37	
For SDR 19, Add	8.04	
For SDR 17, Add	19.85	
For SDR 15.5, Add	29.06	
For SDR 13.5, Add	45.37	
For SDR 11, Add	73.02	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	257.52	36.23
For SDR 26, Deduct	-27.33	
For SDR 19, Add	13.42	
For SDR 17, Add	33.13	
For SDR 15.5, Add	48.51	
For SDR 13.5, Add	75.72	
For SDR 11, Add	121.87	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	380.91	54.23
For SDR 26, Deduct	-40.02	
For SDR 19, Add	19.65	
For SDR 17, Add	48.51	
For SDR 15.5, Add	71.04	
For SDR 13.5, Add	110.88	
For SDR 11, Add	178.47	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	477.23	72.37
For SDR 26, Deduct	-47.70	
For SDR 19, Add	23.42	
For SDR 17, Add	57.83	
For SDR 15.5, Add	84.69	
For SDR 13.5, Add	132.18	
For SDR 11, Add	212.75	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	636.86	108.44
For SDR 26, Deduct	-57.13	
For SDR 19, Add	28.05	
For SDR 17, Add	69.25	
For SDR 15.5, Add	101.41	
For SDR 13.5, Add	158.29	
For SDR 11, Add	254.78	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	790.09	121.99
For SDR 26, Deduct	-77.74	
For SDR 19, Add	38.17	
For SDR 17, Add	94.24	
For SDR 15.5, Add	138.01	
For SDR 13.5, Add	215.41	
For SDR 11, Add	346.71	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,057.39	138.46
For SDR 26, Deduct	-116.90	
For SDR 19, Add	57.40	
For SDR 17, Add	141.71	
For SDR 15.5, Add	207.53	
For SDR 13.5, Add	323.92	
For SDR 11, Add	521.38	
33 14 13 23-0450 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,339.40	162.73
For SDR 26, Deduct	-156.07	
For SDR 19, Add	76.63	
For SDR 17, Add	189.19	
For SDR 15.5, Add	277.06	
For SDR 13.5, Add	432.45	
For SDR 11, Add	696.05	
33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0426)		
33 14 13 23-0452 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	74.96	19.15
For SDR 26, Deduct	-3.23	
For SDR 19, Add	1.59	
For SDR 17, Add	3.92	
For SDR 15.5, Add	5.74	
For SDR 13.5, Add	8.95	
For SDR 11, Add	14.41	
33 14 13 23-0453 EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	85.79	21.69
For SDR 26, Deduct	-3.81	
For SDR 19, Add	1.87	
For SDR 17, Add	4.61	
For SDR 15.5, Add	6.76	
For SDR 13.5, Add	10.54	
For SDR 11, Add	16.97	
33 14 13 23-0454 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	129.30	25.04
For SDR 26, Deduct	-9.95	
For SDR 19, Add	4.88	
For SDR 17, Add	12.06	
For SDR 15.5, Add	17.66	
For SDR 13.5, Add	27.56	
For SDR 11, Add	44.36	
33 14 13 23-0455 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	226.33	29.59
For SDR 26, Deduct	-25.23	
For SDR 19, Add	12.39	
For SDR 17, Add	30.58	
For SDR 15.5, Add	44.79	
For SDR 13.5, Add	69.91	
For SDR 11, Add	112.52	
33 14 13 23-0456 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	311.48	43.43
For SDR 26, Deduct	-33.24	
For SDR 19, Add	16.32	
For SDR 17, Add	40.29	
For SDR 15.5, Add	59.01	
For SDR 13.5, Add	92.10	
For SDR 11, Add	148.25	
33 14 13 23-0457 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	442.83	65.14
For SDR 26, Deduct	-45.39	
For SDR 19, Add	22.28	
For SDR 17, Add	55.02	
For SDR 15.5, Add	80.57	
For SDR 13.5, Add	125.76	
For SDR 11, Add	202.42	
33 14 13 23-0458 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	535.29	81.37
For SDR 26, Deduct	-53.40	
For SDR 19, Add	26.22	
For SDR 17, Add	64.73	
For SDR 15.5, Add	94.79	
For SDR 13.5, Add	147.96	
For SDR 11, Add	238.15	
33 14 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	712.06	121.99
For SDR 26, Deduct	-63.41	
For SDR 19, Add	31.13	
For SDR 17, Add	76.87	
For SDR 15.5, Add	112.57	
For SDR 13.5, Add	175.70	
For SDR 11, Add	282.80	
33 14 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	906.94	142.12
For SDR 26, Deduct	-88.10	
For SDR 19, Add	43.26	
For SDR 17, Add	106.80	
For SDR 15.5, Add	156.41	
For SDR 13.5, Add	244.13	
For SDR 11, Add	392.94	
33 14 13 23-0461 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,250.23	167.86
For SDR 26, Deduct	-135.83	
For SDR 19, Add	66.69	
For SDR 17, Add	164.65	
For SDR 15.5, Add	241.12	
For SDR 13.5, Add	376.36	
For SDR 11, Add	605.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,611.32	203.48
<i>For SDR 26, Deduct</i>	-183.55	
<i>For SDR 19, Add</i>	90.12	
<i>For SDR 17, Add</i>	222.50	
<i>For SDR 15.5, Add</i>	325.85	
<i>For SDR 13.5, Add</i>	508.60	
<i>For SDR 11, Add</i>	818.62	
33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)		
See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)		
33 14 13 36-0001 Steel Piping (33 14 13 36)		
33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)		
Note: ASTM A252 steel pipe.		
33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	118.59	31.64
<i>For <100, Add</i>	13.12	
<i>For >1,000, Deduct</i>	-5.93	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	141.09	31.64
<i>For <100, Add</i>	14.25	
<i>For >1,000, Deduct</i>	-7.05	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	140.78	34.52
<i>For <100, Add</i>	14.88	
<i>For >1,000, Deduct</i>	-7.04	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	169.21	34.52
<i>For <100, Add</i>	16.31	
<i>For >1,000, Deduct</i>	-8.46	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	169.80	36.16
<i>For <100, Add</i>	16.71	
<i>For >1,000, Deduct</i>	-8.49	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	191.92	36.16
<i>For <100, Add</i>	17.81	
<i>For >1,000, Deduct</i>	-9.60	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	205.30	39.96
<i>For <100, Add</i>	19.35	
<i>For >1,000, Deduct</i>	-10.27	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	222.98	39.96
<i>For <100, Add</i>	20.23	
<i>For >1,000, Deduct</i>	-11.15	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	217.87	42.19
<i>For <100, Add</i>	20.48	
<i>For >1,000, Deduct</i>	-10.89	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	231.52	42.19
<i>For <100, Add</i>	21.16	
<i>For >1,000, Deduct</i>	-11.58	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	269.45	47.46
<i>For <100, Add</i>	24.26	
<i>For >1,000, Deduct</i>	-13.47	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	291.82	47.46
<i>For <100, Add</i>	25.38	
<i>For >1,000, Deduct</i>	-14.59	
33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	237.08	65.59
<i>For <100, Add</i>	22.16	
<i>For >1,000, Deduct</i>	-11.85	
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	280.71	72.15
<i>For <100, Add</i>	25.43	
<i>For >1,000, Deduct</i>	-14.04	
33 14 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	311.34	75.43
<i>For <100, Add</i>	27.59	
<i>For >1,000, Deduct</i>	-15.57	
33 14 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	351.19	85.27
<i>For <100, Add</i>	31.09	
<i>For >1,000, Deduct</i>	-17.56	
33 14 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	366.36	85.27
<i>For <100, Add</i>	31.85	
<i>For >1,000, Deduct</i>	-18.32	
33 14 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	380.39	85.27
<i>For <100, Add</i>	32.55	
<i>For >1,000, Deduct</i>	-19.02	
33 14 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	396.57	85.27
<i>For <100, Add</i>	33.36	
<i>For >1,000, Deduct</i>	-19.83	
33 14 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	459.50	98.38
<i>For <100, Add</i>	38.44	
<i>For >1,000, Deduct</i>	-22.98	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	509.55	98.38
For <100, Add	40.94	
For >1,000, Deduct	-25.48	
33 14 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	632.40	98.38
For <100, Add	47.08	
For >1,000, Deduct	-31.62	
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	570.21	114.78
For <100, Add	46.55	
For >1,000, Deduct	-28.51	
33 14 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	590.68	114.78
For <100, Add	47.57	
For >1,000, Deduct	-29.53	
33 14 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	783.81	114.78
For <100, Add	57.23	
For >1,000, Deduct	-39.19	
33 14 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	676.38	114.78
For <100, Add	51.86	
For >1,000, Deduct	-33.82	
33 14 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	793.45	137.74
For <100, Add	61.32	
For >1,000, Deduct	-39.67	
33 14 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	943.23	137.74
For <100, Add	68.81	
For >1,000, Deduct	-47.16	
33 14 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	905.82	137.74
For <100, Add	66.94	
For >1,000, Deduct	-45.29	
33 14 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,380.03	154.14
For <100, Add	93.05	
For >1,000, Deduct	-69.00	
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	845.89	154.14
For <100, Add	66.35	
For >1,000, Deduct	-42.29	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,582.06	173.82
For <100, Add	106.16	
For >1,000, Deduct	-79.10	
33 14 13 36-0037 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	928.62	173.82
For <100, Add	73.49	
For >1,000, Deduct	-46.43	
33 14 13 36-0038 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,659.66	196.77
For <100, Add	113.91	
For >1,000, Deduct	-82.98	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,830.29	196.77
For <100, Add	122.44	
For >1,000, Deduct	-91.51	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,047.91	229.57
For <100, Add	138.47	
For >1,000, Deduct	-102.40	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,441.23	229.57
For <100, Add	108.14	
For >1,000, Deduct	-72.06	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,607.54	186.97
For <100, Add	136.47	
For >1,000, Deduct	-80.38	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,977.64	186.97
For <100, Add	204.97	
For >1,000, Deduct	-148.88	
33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)		
33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	131.65	36.65
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	204.84	70.49
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	272.70	93.05
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	429.65	140.98
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	557.52	177.63
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	672.19	176.36
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	801.56	221.04
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	862.25	221.04
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	912.22	252.78
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	997.74	270.41
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	1,087.94	305.69
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,357.19	323.32
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,615.65	352.71
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,889.11	396.81
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	2,175.17	446.77
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,530.80	514.38
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,812.69	587.85
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	3,257.72	734.82
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,765.71	893.54
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	4,490.79	1,058.14

33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 14 13 39-0001	Type L Copper Water Distribution Piping <small>(33 14 13 39)</small>		
33 14 13 39-0002	LF 1/2" Type L Copper Water Distribution Pipe	9.08	2.44
33 14 13 39-0003	LF 3/4" Type L Copper Water Distribution Pipe	11.47	2.75
33 14 13 39-0004	LF 1" Type L Copper Water Distribution Pipe	15.19	3.05
33 14 13 39-0005	LF 1-1/4" Type L Copper Water Distribution Pipe	19.00	3.66
33 14 13 39-0006	LF 1-1/2" Type L Copper Water Distribution Pipe	23.44	4.89
33 14 13 39-0007	LF 2" Type L Copper Water Distribution Pipe	34.21	6.11
33 14 13 39-0008	LF 2-1/2" Type L Copper Water Distribution Pipe	43.20	7.33
33 14 13 39-0009	LF 3" Type L Copper Water Distribution Pipe	54.25	8.06
33 14 13 39-0010	LF 3-1/2" Type L Copper Water Distribution Pipe	72.89	10.14
33 14 13 39-0011	LF 4" Type L Copper Water Distribution Pipe	96.29	12.82
33 14 13 39-0012	LF 5" Type L Copper Water Distribution Pipe	155.35	16.00
33 14 13 39-0013	LF 6" Type L Copper Water Distribution Pipe	200.76	19.30
33 14 13 39-0014	LF 8" Type L Copper Water Distribution Pipe	346.49	21.61

33 14 13 39-0015	Type K Copper Water Distribution Piping <small>(33 14 13 39)</small>		
33 14 13 39-0016	LF 1/2" Type K Copper Water Distribution Pipe	9.68	2.44
33 14 13 39-0017	LF 3/4" Type K Copper Water Distribution Pipe	13.58	2.75
33 14 13 39-0018	LF 1" Type K Copper Water Distribution Pipe	17.28	3.05
33 14 13 39-0019	LF 1-1/4" Type K Copper Water Distribution Pipe	20.30	3.66
33 14 13 39-0020	LF 1-1/2" Type K Copper Water Distribution Pipe	25.36	4.89
33 14 13 39-0021	LF 2" Type K Copper Water Distribution Pipe	36.79	6.11
33 14 13 39-0022	LF 2-1/2" Type K Copper Water Distribution Pipe	50.36	7.33
33 14 13 39-0023	LF 3" Type K Copper Water Distribution Pipe	64.99	8.06
33 14 13 39-0024	LF 3-1/2" Type K Copper Water Distribution Pipe	85.51	10.14
33 14 13 39-0025	LF 4" Type K Copper Water Distribution Pipe	115.44	12.82
33 14 13 39-0026	LF 5" Type K Copper Water Distribution Pipe	194.97	16.00
33 14 13 39-0027	LF 6" Type K Copper Water Distribution Pipe	272.01	19.30
33 14 13 39-0028	LF 8" Type K Copper Water Distribution Pipe	477.98	21.61

33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)

33 14 13 43-0001	Pipe Coatings <small>(33 14 13 43)</small>		
33 14 13 43-0002	Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating <small>(33 14 13 43-0001)</small>		
	Note: Applied at fabrication shop.		
33 14 13 43-0003	LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.50	
33 14 13 43-0004	LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.16	
33 14 13 43-0005	LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.91	
33 14 13 43-0006	LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.53	
33 14 13 43-0007	LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.45	
33 14 13 43-0008	LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.83	
33 14 13 43-0009	LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	8.43	
33 14 13 43-0010	LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	9.83	
33 14 13 43-0011	LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	12.90	
33 14 13 43-0012	LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	20.38	
33 14 13 43-0013	LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	43.93	
33 14 13 43-0014	LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	50.20	
33 14 13 43-0015	LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	56.48	
33 14 13 43-0016	LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	62.76	
33 14 13 43-0017	LF 66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	69.03	
33 14 13 43-0018	LF 72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	75.28	
33 14 13 43-0019	LF 78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	81.58	

33 14 13 43-0020	Cement Coating With Fiberglass Or Wire Mesh Reinforcing <small>(33 14 13 43-0001)</small>		
	Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021	LF 4" Diameter Cement Coated Pipe 1" To 2" Mesh	11.94	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022	LF 6" Diameter Cement Coated Pipe 1" To 2" Mesh	14.69	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023	LF 8" Diameter Cement Coated Pipe 1" To 2" Mesh	18.37	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024	LF 10" Diameter Cement Coated Pipe 1" To 2" Mesh	20.46	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025	LF 12" Diameter Cement Coated Pipe 1" To 2" Mesh	23.11	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026	LF 14" Diameter Cement Coated Pipe 1" To 2" Mesh	27.04	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027	LF 16" Diameter Cement Coated Pipe 1" To 2" Mesh	30.72	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0028	LF 18" Diameter Cement Coated Pipe 1" To 2" Mesh	34.66	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0029	LF 20" Diameter Cement Coated Pipe 1" To 2" Mesh	38.52	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0030	LF 24" Diameter Cement Coated Pipe 1" To 2" Mesh	46.21	
	Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0031	LF 30" Diameter Cement Coated Pipe 1" To 2" Mesh	57.76	
	Note: Reinforcing applied at fabrication shop.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0032	LF		36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	69.32	
33 14 13 43-0033	LF		42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	25.10	
33 14 13 43-0034	LF		48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.68	
33 14 13 43-0035	LF		54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	32.27	
33 14 13 43-0036	LF		60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	35.85	
33 14 13 43-0037	LF		66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	39.44	
33 14 13 43-0038	LF		72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	43.02	
33 14 13 43-0039	LF		78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.61	
33 14 13 43-0040			Pipe Lining <small>(33 14 13 43)</small>		
33 14 13 43-0041			Cement Pipe Lining <small>(33 14 13 43-0040)</small> Note: Shop applied.		
33 14 13 43-0042	LF		4" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	15.43 1.59	
33 14 13 43-0043	LF		6" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	19.13 1.96	
33 14 13 43-0044	LF		8" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	23.44 2.45	
33 14 13 43-0045	LF		10" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	30.24 3.06	
33 14 13 43-0046	LF		12" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	37.08 3.68	
33 14 13 43-0047	LF		14" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	46.75 4.31	
33 14 13 43-0048	LF		16" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	59.49 4.90	
33 14 13 43-0049	LF		18" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	70.55 4.69	
33 14 13 43-0050	LF		20" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	84.37 5.22	
33 14 13 43-0051	LF		24" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	102.16 6.26	
33 14 13 43-0052	LF		30" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	123.50 7.82	
33 14 13 43-0053	LF		36" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	148.58 9.39	
33 14 13 43-0054	LF		42" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	173.37 8.05	
33 14 13 43-0055	LF		48" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	198.07 9.21	
33 14 13 43-0056	LF		54" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	222.87 10.36	
33 14 13 43-0057	LF		60" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	247.66 11.51	
33 14 13 43-0058	LF		66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	272.36 6.75	
33 14 13 43-0059	LF		72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	297.15 7.36	
33 14 13 43-0060	LF		78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	321.95 7.98	
33 14 13 43-0061			Cement Fitting Lining <small>(33 14 13 43-0040)</small> Note: Shop applied.		
33 14 13 43-0062	EA		4" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	15.43 1.59	
33 14 13 43-0063	EA		6" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	19.13 1.96	
33 14 13 43-0064	EA		8" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	29.92 3.18	
33 14 13 43-0065	EA		10" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	48.77 4.90	
33 14 13 43-0066	EA		12" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	74.16 7.36	
33 14 13 43-0067	EA		14" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	108.36 9.91	
33 14 13 43-0068	EA		16" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	156.99 12.73	
33 14 13 43-0069	EA		18" Outside Diameter, 5/16" Thick Cement Fittings Lining..... <i>For 1/2" Thick, Add</i>	211.67 14.08	
33 14 13 43-0070	EA		20" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	281.06 17.37	
33 14 13 43-0071	EA		24" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	408.66 25.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 14 13 43-0072

8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0073	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.93
33 14 13 43-0074	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.12
33 14 13 43-0075	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.79
33 14 13 43-0076	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.75
33 14 13 43-0077	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.45
33 14 13 43-0078	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	8.28
33 14 13 43-0079	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	10.55
33 14 13 43-0080	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	12.56
33 14 13 43-0081	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	14.84
33 14 13 43-0082	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	15.97

33 14 13 53

Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001

Double Stud Stainless Steel Service Saddles (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	282.27
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	388.79
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	402.46
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	335.07
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	418.16
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	350.67
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	438.22
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	393.20
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	461.70
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	410.50
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	473.05

33 14 13 53-0013

Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	241.69
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	241.84
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	257.37
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	245.45
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	262.53
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	289.19
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	307.43
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	282.09
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	308.96
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	324.79
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	297.75
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	325.41
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	341.18
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	313.88
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	340.80
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	356.38
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	506.19
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	519.86
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	338.88
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	371.03
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	385.62
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	595.63
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	376.91
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	415.13
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	661.88
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	408.52
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	448.84
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	465.22
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	735.28
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	471.97
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	503.94
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	541.10
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	894.73
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	485.63
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	548.72
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	571.48
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	959.79
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	507.29
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	572.62
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	595.94

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0054 EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	998.53	
33 14 13 53-0055 EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	558.47	
33 14 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	641.99	
33 14 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	631.69	
33 14 13 53-0058 EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	697.65	
33 14 13 53-0059 EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	659.37	
33 14 13 53-0060 EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	741.45	
33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)		
33 14 13 53-0062 EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	327.64	
33 14 13 53-0063 EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	357.16	
33 14 13 53-0064 EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	371.90	
33 14 13 53-0065 EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	401.68	
33 14 13 53-0066 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	412.29	
33 14 13 53-0067 EA 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	433.27	
33 14 13 53-0068 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	402.54	
33 14 13 53-0069 EA 10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	427.54	
33 14 13 53-0070 EA 12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	502.20	
33 14 13 53-0071 EA 12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	541.64	
33 14 13 53-0072 EA 14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	736.97	
33 14 13 53-0073 EA 14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	828.89	
33 14 13 53-0074 EA 16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	853.87	
33 14 13 53-0075 EA 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	949.59	
33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)		
Note: Taps are compression or NPT.		
33 14 13 53-0077 EA 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	342.71	
33 14 13 53-0078 EA 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	376.18	
33 14 13 53-0079 EA 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	389.70	
33 14 13 53-0080 EA 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	422.01	
33 14 13 53-0081 EA 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	434.29	
33 14 13 53-0082 EA 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	456.45	
33 14 13 53-0083 EA 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	486.41	
33 14 13 53-0084 EA 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	519.69	
33 14 13 53-0085 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	522.36	
33 14 13 53-0086 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	564.40	
33 14 13 53-0087 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	786.93	
33 14 13 53-0088 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	899.54	
33 14 13 53-0089 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	913.15	
33 14 13 53-0090 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	992.61	
33 14 13 53-0091 EA 18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,959.43	
33 14 13 53-0092 EA 18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,959.43	
33 14 13 53-0093 EA 20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,036.62	
33 14 13 53-0094 EA 20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,036.62	
33 14 13 53-0095 EA 24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,185.49	
33 14 13 53-0096 EA 24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,185.49	
33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)		
33 14 13 53-0098 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,487.42	
33 14 13 53-0099 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,798.13	
33 14 13 53-0100 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,145.57	
33 14 13 53-0101 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,266.45	
33 14 13 53-0102 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,391.34	
33 14 13 53-0103 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,559.04	
33 14 13 53-0104 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,633.05	
33 14 13 53-0105 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,596.34	
33 14 13 53-0106 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,763.37	
33 14 13 53-0107 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,165.13	
33 14 13 53-0108 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,269.84	
33 14 13 53-0109 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,039.57	
33 14 13 53-0110 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,227.84	
33 14 13 53-0111 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,314.51	
33 14 13 53-0112 EA 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,353.84	
33 14 13 53-0113 EA 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,622.95	
33 14 13 53-0114 EA 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,616.74	
33 14 13 53-0115 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,644.09	
33 14 13 53-0116 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,854.03	
33 14 13 53-0117 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,906.34	
33 14 13 53-0118 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,963.53	
33 14 13 53-0119 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,097.24	
33 14 13 53-0120 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,355.19	
33 14 13 53-0121 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,549.32	
33 14 13 53-0122 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,018.81	
33 14 13 53-0123 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,161.03	
33 14 13 53-0124 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,580.03	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,025.99	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,278.56	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,471.82	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,962.80	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,296.95	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,343.15	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,718.98	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,920.54	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,352.38	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,922.64	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,618.95	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,993.82	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,158.22	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,958.92	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,406.11	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,273.87	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,330.10	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,526.57	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,481.68	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,993.03	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	373.37	82.04
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	468.14	103.44
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	619.03	142.68
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	793.28	167.65
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,207.18	189.05
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,350.07	214.03

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	525.23	82.04
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	624.40	103.44
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	836.09	142.68
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,019.19	167.65
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,236.16	189.05
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,437.22	214.03
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,697.73	235.43
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,999.26	256.83
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,350.26	282.51
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,765.34	310.76

33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	478.30	103.44
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	644.10	142.68
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	718.26	167.65
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,019.62	189.05
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,284.68	214.03
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,438.50	235.43
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,680.54	256.83
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,882.98	282.51
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,247.94	310.76
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,690.89	341.87
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,429.26	375.97
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,278.37	413.64

33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	179.24	57.07
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	219.72	67.77
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	271.04	82.04
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	340.58	103.44
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	456.84	142.68
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	552.06	167.65
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	679.04	189.05
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	790.41	214.03
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,077.05	235.43
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,324.33	256.83

33 14 19 Valves and Hydrants for Water Utility Service (33 14)

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)**33 14 19 00-0002 Angle Valves** (33 14 19 00-0001)

Note: For connecting meters to water service.



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 14 19 00-0003	Threaded, Class 150, Bronze Angle Valve <small>(33 14 19 00-0002)</small>		
Note: Nibco T-335Y			
33 14 19 00-0004	EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	113.10	24.50
33 14 19 00-0005	EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	152.51	32.92
33 14 19 00-0006	EA 1" Threaded, Class 150, Bronze Angle Valve.....	202.94	40.58
33 14 19 00-0007	EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	260.83	50.99
33 14 19 00-0008	EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	323.04	58.96
33 14 19 00-0009	EA 2" Threaded, Class 150, Bronze Angle Valve.....	471.86	68.91
33 14 19 00-0010	EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	746.09	94.03
33 14 19 00-0011	EA 3" Threaded, Class 150, Bronze Angle Valve.....	1,113.72	108.55

33 14 19 00-0012 **Butterfly Valves** (33 14 19 00-0001)

33 14 19 00-0013 **Lug Type Flanged, Cast Iron Disc, Butterfly Valves** (33 14 19 00-0012)

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin			
33 14 19 00-0014	EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	2,048.10	260.32
33 14 19 00-0015	EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	2,281.40	260.32
33 14 19 00-0016	EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	2,340.67	402.79
33 14 19 00-0017	EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	2,571.98	402.79
33 14 19 00-0018	EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	2,657.87	449.69
33 14 19 00-0019	EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	2,889.18	449.69
33 14 19 00-0020	EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	3,029.28	574.61
33 14 19 00-0021	EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	3,248.89	574.61
33 14 19 00-0022	EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	3,781.71	699.52
33 14 19 00-0023	EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	4,998.42	699.52
33 14 19 00-0024	EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	4,340.73	847.89
33 14 19 00-0025	EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	4,572.04	847.89
33 14 19 00-0026	EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified).....	5,759.37	1,135.21
33 14 19 00-0027	EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified).....	6,364.22	1,135.21
33 14 19 00-0028	EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified).....	6,694.89	1,248.73
33 14 19 00-0029	EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified).....	7,436.68	1,248.73
33 14 19 00-0030	EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified).....	8,359.38	1,384.96
33 14 19 00-0031	EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified).....	9,145.03	1,384.96
33 14 19 00-0032	EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified).....	9,575.01	1,560.91
33 14 19 00-0033	EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified).....	10,359.33	1,560.91

33 14 19 00-0034 **Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** (33 14 19 00-0012)

Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified).....	15,870.13	1,915.67
33 14 19 00-0036 EA 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified).....	24,576.98	1,915.67
33 14 19 00-0037 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified).....	15,823.47	1,915.67
33 14 19 00-0038 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified).....	32,327.27	3,061.64
33 14 19 00-0039 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified).....	38,371.67	4,082.18
33 14 19 00-0040 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified).....	48,948.63	6,123.27
33 14 19 00-0041 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified).....	63,880.43	7,654.09
33 14 19 00-0042 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified).....	107,051.17	9,184.91
33 14 19 00-0043 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified).....	134,040.13	11,021.89
33 14 19 00-0044 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified).....	191,789.67	13,226.27
33 14 19 00-0045 LF 3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel.....	17.63	
33 14 19 00-0046 EA 316 Stainless Steel Closing Link For Use With Dezurik Chainwheel.....	9.33	
Note: One required per valve.		
33 14 19 00-0047	Check Valves (33 14 19 00-0001)	
33 14 19 00-0048	Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0047)	
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0049 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	1,089.93	204.42
33 14 19 00-0050 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	1,133.56	239.67
33 14 19 00-0051 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,630.33	303.11
33 14 19 00-0052 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	2,180.06	456.08
33 14 19 00-0053 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,279.46	509.35
33 14 19 00-0054 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	2,183.27	507.53
33 14 19 00-0055 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,815.66	576.92
33 14 19 00-0056 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,956.43	648.52
33 14 19 00-0057 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	3,069.33	648.52
33 14 19 00-0058 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	5,048.62	789.49
33 14 19 00-0059 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	7,542.33	592.12
33 14 19 00-0060 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	10,411.88	1,135.21
33 14 19 00-0061 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	13,749.14	1,248.73
33 14 19 00-0062 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	19,783.32	1,384.96
33 14 19 00-0063 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	23,013.31	1,560.91
33 14 19 00-0064	Combination Air Release Valves (33 14 19 00-0001)	
33 14 19 00-0065 EA 1" Combination Air Release Valve.....	641.76	29.60
33 14 19 00-0066 EA 2" Combination Air Release Valve.....	1,037.29	50.75
33 14 19 00-0067	Corporation Stop And Curb Valve (33 14 19 00-0001)	
Note: AWWA C800		
33 14 19 00-0068	Ball Corporation Valves (33 14 19 00-0067)	
Note: Mueller B-25000.		
33 14 19 00-0069 EA 3/4" Ball Corporation Valve (Mueller B-25000).....	96.19	29.60
33 14 19 00-0070 EA 1" Ball Corporation Valve (Mueller B-25000).....	120.37	36.65
33 14 19 00-0071 EA 1-1/2" Ball Corporation Valve (Mueller B-25000).....	207.34	53.58
33 14 19 00-0072 EA 2" Ball Corporation Valve (Mueller B-25000).....	300.85	63.44
33 14 19 00-0073	Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)	
33 14 19 00-0074	Gate Valve, Flanged (33 14 19 00-0073)	
Note: Mueller A-2380-6.		
33 14 19 00-0075 EA 2" Gate Valve, Flanged.....	705.28	187.93
33 14 19 00-0076 EA 2-1/2" Gate Valve, Flanged.....	817.90	204.42
33 14 19 00-0077 EA 3" Gate Valve, Flanged.....	966.39	239.67
33 14 19 00-0078 EA 4" Gate Valve, Flanged.....	1,345.30	300.28
33 14 19 00-0079 EA 6" Gate Valve, Flanged.....	1,632.23	507.53
33 14 19 00-0080 EA 8" Gate Valve, Flanged.....	2,361.32	648.52
33 14 19 00-0081 EA 10" Gate Valve, Flanged.....	3,459.05	789.49
33 14 19 00-0082 EA 12" Gate Valve, Flanged.....	4,169.06	592.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0083 EA 14" Gate Valve, Flanged.....	8,547.52	1,135.21
33 14 19 00-0084 EA 16" Gate Valve, Flanged.....	11,086.70	1,248.73
33 14 19 00-0085 EA 18" Gate Valve, Flanged.....	17,323.26	1,384.96
33 14 19 00-0086 EA 20" Gate Valve, Flanged.....	20,677.53	1,560.91
33 14 19 00-0087 Resilient Wedge Gate Valve, Flanged (33 14 19 00-0073) Note: Mueller A-2360-6.		
33 14 19 00-0088 EA 2" Resilient Wedge Gate Valve, Flanged.....	678.67	187.93
33 14 19 00-0089 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	786.12	204.42
33 14 19 00-0090 EA 3" Resilient Wedge Gate Valve, Flanged.....	928.67	239.67
33 14 19 00-0091 EA 4" Resilient Wedge Gate Valve, Flanged.....	1,303.14	300.28
33 14 19 00-0092 EA 6" Resilient Wedge Gate Valve, Flanged.....	1,575.86	507.53
33 14 19 00-0093 EA 8" Resilient Wedge Gate Valve, Flanged.....	2,273.27	648.52
33 14 19 00-0094 EA 10" Resilient Wedge Gate Valve, Flanged.....	3,319.13	789.49
33 14 19 00-0095 EA 12" Resilient Wedge Gate Valve, Flanged.....	4,000.12	592.12
33 14 19 00-0096 Gate Valve, Mechanical Joint (33 14 19 00-0073) Note: Mueller A-2380-20.		
33 14 19 00-0097 EA 2" Gate Valve, Mechanical Joint.....	836.85	150.14
33 14 19 00-0098 EA 2-1/2" Gate Valve, Mechanical Joint.....	927.17	188.21
33 14 19 00-0099 EA 3" Gate Valve, Mechanical Joint.....	1,157.89	227.68
33 14 19 00-0100 EA 4" Gate Valve, Mechanical Joint.....	1,404.17	300.28
33 14 19 00-0101 EA 6" Gate Valve, Mechanical Joint.....	1,745.12	352.45
33 14 19 00-0102 EA 8" Gate Valve, Mechanical Joint.....	2,464.15	422.94
33 14 19 00-0103 EA 10" Gate Valve, Mechanical Joint.....	3,501.75	493.44
33 14 19 00-0104 EA 12" Gate Valve, Mechanical Joint.....	4,362.95	592.12
33 14 19 00-0105 EA 14" Gate Valve, Mechanical Joint.....	9,047.97	695.32
33 14 19 00-0106 EA 16" Gate Valve, Mechanical Joint.....	11,628.46	780.46
33 14 19 00-0107 EA 18" Gate Valve, Mechanical Joint.....	18,293.60	865.60
33 14 19 00-0108 EA 20" Gate Valve, Mechanical Joint.....	21,724.54	975.57
33 14 19 00-0109 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0073) Note: Mueller A-2360-20.		
33 14 19 00-0110 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	806.47	150.14
33 14 19 00-0111 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	1,118.12	227.68
33 14 19 00-0112 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	1,358.68	300.28
33 14 19 00-0113 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	1,686.25	352.45
33 14 19 00-0114 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	2,372.56	422.94
33 14 19 00-0115 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	3,359.40	493.44
33 14 19 00-0116 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	4,183.00	592.12
33 14 19 00-0117 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0073) Note: Mueller A-2361.		
33 14 19 00-0118 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,340.85	1,135.21
33 14 19 00-0119 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	9,070.65	1,248.73
33 14 19 00-0120 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	14,021.31	1,384.96
33 14 19 00-0121 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	16,715.25	1,560.91
33 14 19 00-0122 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	23,676.18	1,915.67
33 14 19 00-0123 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0073) Note: NIBCO T-113.		
33 14 19 00-0124 EA 1/4" Gate Valve, Bronze, Threaded.....	70.27	24.66
33 14 19 00-0125 EA 3/8" Gate Valve, Bronze, Threaded.....	72.61	24.66
33 14 19 00-0126 EA 1/2" Gate Valve, Bronze, Threaded.....	72.65	24.66
33 14 19 00-0127 EA 3/4" Gate Valve, Bronze, Threaded.....	94.28	33.30
33 14 19 00-0128 EA 1" Gate Valve, Bronze, Threaded.....	115.89	40.27
33 14 19 00-0129 EA 1-1/4" Gate Valve, Bronze, Threaded.....	155.68	50.99
33 14 19 00-0130 EA 1-1/2" Gate Valve, Bronze, Threaded.....	180.48	58.96
33 14 19 00-0131 EA 2" Gate Valve, Bronze, Threaded.....	218.07	68.91
33 14 19 00-0132 EA 2-1/2" Gate Valve, Bronze, Threaded.....	400.30	94.03
33 14 19 00-0133 EA 3" Gate Valve, Bronze, Threaded.....	477.75	107.85
33 14 19 00-0134 Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0135 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0134) Note: NIBCO T-235.		
33 14 19 00-0136 EA 1/8" Globe Valve, Threaded.....	96.02	24.66
33 14 19 00-0137 EA 1/4" Globe Valve, Threaded.....	91.30	24.66
33 14 19 00-0138 EA 3/8" Globe Valve, Threaded.....	93.64	24.66
33 14 19 00-0139 EA 1/2" Globe Valve, Threaded.....	96.02	24.66
33 14 19 00-0140 EA 3/4" Globe Valve, Threaded.....	130.32	33.30
33 14 19 00-0141 EA 1" Globe Valve, Threaded.....	179.64	40.27
33 14 19 00-0142 EA 1-1/4" Globe Valve, Threaded.....	258.71	50.99
33 14 19 00-0143 EA 1-1/2" Globe Valve, Threaded.....	307.84	58.96
33 14 19 00-0144 EA 2" Globe Valve, Threaded.....	422.93	68.91
33 14 19 00-0145 EA 2-1/2" Globe Valve, Threaded.....	760.20	94.03

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0146 EA 3" Globe Valve, Threaded.....	1,030.75	108.41
33 14 19 00-0147 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0148 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0147)		
Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0149 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	958.84	187.93
33 14 19 00-0150 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,234.32	239.67
33 14 19 00-0151 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,604.10	300.28
33 14 19 00-0152 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,027.71	507.53
33 14 19 00-0153 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,868.52	648.52
33 14 19 00-0154 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	4,075.42	789.49
33 14 19 00-0155 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,904.64	592.12
33 14 19 00-0156 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,332.74	1,135.21
33 14 19 00-0157 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	12,977.10	1,248.73
33 14 19 00-0158 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	20,675.25	1,384.96
33 14 19 00-0159 Accessories For Valves (33 14 19)		
33 14 19 00-0160 EA 1" Valve Extension Stem.....	133.44	
For Each Additional LF, Add	9.35	
33 14 19 00-0161 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly	1,704.99	140.98
Note: Excludes valve.		
33 14 19 00-0162 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,931.90	155.08
Note: Excludes valve.		
33 14 19 00-0163 EA Adjust Water Valve Box To Grade	140.98	
33 14 19 00-0164 Utility Box (33 14 19)		
Note: Christy Concrete Products.		
33 14 19 00-0165 B3 Utility Box, 9-3/8" x 15-1/2" (33 14 19 00-0164)		
33 14 19 00-0166 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	135.65	69.59
33 14 19 00-0167 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	124.95	7.74
33 14 19 00-0168 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	53.98	7.74
33 14 19 00-0169 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	269.26	7.74
33 14 19 00-0170 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	78.49	15.46
33 14 19 00-0171 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	109.85	15.46
33 14 19 00-0172 B9 Utility Box, 10-1/4" x 17-1/4" (33 14 19 00-0164)		
33 14 19 00-0173 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	166.38	92.79
33 14 19 00-0174 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	146.48	9.28
33 14 19 00-0175 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	60.22	9.28
33 14 19 00-0176 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	282.31	7.74
33 14 19 00-0177 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	87.11	15.46
33 14 19 00-0178 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	117.76	23.20
33 14 19 00-0179 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	146.09	42.53
33 14 19 00-0180 B12 Utility Box, 12" x 20" (33 14 19 00-0164)		
33 14 19 00-0181 EA 12" x 20" Precast Concrete Utility Box.....	182.59	100.53
33 14 19 00-0182 EA Cast Iron Lid For 12" x 20" Utility Box.....	261.52	11.60
33 14 19 00-0183 EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	82.08	15.46
33 14 19 00-0184 EA Steel Checkered Plate Cover For 12" x 20" Utility Box	381.93	15.46
33 14 19 00-0185 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box	189.91	54.13
33 14 19 00-0186 B16 Utility Box, 12" x 22-1/4" (33 14 19 00-0164)		
33 14 19 00-0187 EA 12" x 22-1/4" Precast Concrete Utility Box.....	210.58	117.54
33 14 19 00-0188 EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	296.53	15.46
33 14 19 00-0189 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	99.87	15.46
33 14 19 00-0190 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	384.04	15.46
33 14 19 00-0191 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	142.21	26.30
33 14 19 00-0192 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	192.86	54.13
33 14 19 00-0193 B30 Utility Box, 13-1/4" x 24" (33 14 19 00-0164)		
33 14 19 00-0194 EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	253.14	139.18
33 14 19 00-0195 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	136.21	24.75
33 14 19 00-0196 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	475.20	20.11
33 14 19 00-0197 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	142.21	26.30
33 14 19 00-0198 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	219.17	43.31
33 14 19 00-0199 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	169.25	29.38
33 14 19 00-0200 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	249.66	69.59
33 14 19 00-0201 B36 Utility Box, 17-1/4" x 30" (33 14 19 00-0164)		
33 14 19 00-0202 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	329.61	176.30
33 14 19 00-0203 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	222.89	42.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0204 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D).....	597.50	29.38
33 14 19 00-0205 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	208.36	55.68
33 14 19 00-0206 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	338.58	61.87
33 14 19 00-0207 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	331.95	89.70
33 14 19 00-0208 B40 Utility Box, 24-1/2" x 36" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0209 EA 24-1/2" x 36" Precast Concrete Utility Box.....	661.93	272.19
33 14 19 00-0210 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	603.75	102.07
33 14 19 00-0211 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	850.03	44.85
33 14 19 00-0212 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	499.04	95.89
33 14 19 00-0213 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	528.93	100.53
33 14 19 00-0214 B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0215 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	851.04	309.31
33 14 19 00-0216 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	844.29	168.57
33 14 19 00-0217 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	1,045.50	168.57
33 14 19 00-0218 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,348.47	77.33
33 14 19 00-0219 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	755.28	208.79
33 14 19 00-0220 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	660.88	140.73
33 14 19 00-0221 Fire Hydrants <small>(33 14 19)</small>		
Note: Breakaway type.		
33 14 19 00-0222 Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0223 EA 1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,630.67	349.76
33 14 19 00-0224 EA 2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,697.18	349.76
33 14 19 00-0225 EA 2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,763.86	349.76
33 14 19 00-0226 EA 3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,855.20	374.74
33 14 19 00-0227 EA 3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,921.78	374.74
33 14 19 00-0228 EA 4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,019.66	405.98
33 14 19 00-0229 EA 4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,086.13	405.98
33 14 19 00-0230 EA 5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,184.02	437.21
33 14 19 00-0231 EA 5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,250.59	437.21
33 14 19 00-0232 EA 6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,348.28	468.43
33 14 19 00-0233 EA 6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,446.06	499.66
33 14 19 00-0234 EA 7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,574.97	562.12
33 14 19 00-0235 EA 1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,691.37	349.76
33 14 19 00-0236 EA 2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,777.68	349.76
33 14 19 00-0237 EA 2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,863.78	349.76
33 14 19 00-0238 EA 3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,974.86	374.74
33 14 19 00-0239 EA 3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,060.96	374.74
33 14 19 00-0240 EA 4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,178.62	405.98
33 14 19 00-0241 EA 4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,264.61	405.98
33 14 19 00-0242 EA 5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,382.03	437.21
33 14 19 00-0243 EA 5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,468.11	437.21
33 14 19 00-0244 EA 6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,585.28	468.43
33 14 19 00-0245 EA 6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,702.82	499.66
33 14 19 00-0246 EA 7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,851.23	562.12
33 14 19 00-0247 Two Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0248 EA 1-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,265.59	349.76
33 14 19 00-0249 EA 2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,331.87	349.76
33 14 19 00-0250 EA 2-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,398.53	349.76
33 14 19 00-0251 EA 3" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,490.15	374.74
33 14 19 00-0252 EA 3-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,556.51	374.74
33 14 19 00-0253 EA 4" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,654.24	405.98
33 14 19 00-0254 EA 4-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,720.81	405.98
33 14 19 00-0255 EA 5" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,818.76	437.21
33 14 19 00-0256 EA 5-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,885.19	437.21
33 14 19 00-0257 EA 6" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,983.24	468.43
33 14 19 00-0258 EA 6-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,080.60	499.66
33 14 19 00-0259 EA 7" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,209.65	562.12
33 14 19 00-0260 EA 1-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,359.35	349.76
33 14 19 00-0261 EA 2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,445.47	349.76
33 14 19 00-0262 EA 2-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,531.46	349.76
33 14 19 00-0263 EA 3" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,642.76	374.74
33 14 19 00-0264 EA 3-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,728.64	374.74
33 14 19 00-0265 EA 4" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,846.15	405.98
33 14 19 00-0266 EA 4-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,932.08	405.98
33 14 19 00-0267 EA 5" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,049.78	437.21
33 14 19 00-0268 EA 5-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,135.66	437.21
33 14 19 00-0269 EA 6" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,253.13	468.43
33 14 19 00-0270 EA 6-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,370.25	499.66
33 14 19 00-0271 EA 7" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,519.13	562.12

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0272 Three Way, Modern Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0273 EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,785.89	349.76
33 14 19 00-0274 EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,871.88	349.76
33 14 19 00-0275 EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,958.13	349.76
33 14 19 00-0276 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,069.26	374.74
33 14 19 00-0277 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,155.31	374.74
33 14 19 00-0278 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,272.65	405.98
33 14 19 00-0279 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,358.82	405.98
33 14 19 00-0280 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,476.17	437.21
33 14 19 00-0281 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,562.25	437.21
33 14 19 00-0282 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,679.57	437.21
33 14 19 00-0283 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,797.16	499.66
33 14 19 00-0284 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,944.67	499.66
33 14 19 00-0285 Two Way, Modern Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0286 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,707.63	349.76
33 14 19 00-0287 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,773.07	349.76
33 14 19 00-0288 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,839.24	349.76
33 14 19 00-0289 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,928.89	374.74
33 14 19 00-0290 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,994.31	374.74
33 14 19 00-0291 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,090.97	405.98
33 14 19 00-0292 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,156.37	405.98
33 14 19 00-0293 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,253.10	437.21
33 14 19 00-0294 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,318.33	437.21
33 14 19 00-0295 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,414.99	468.43
33 14 19 00-0296 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,511.73	499.66
33 14 19 00-0297 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,638.80	562.12
33 14 19 00-0298 Fire Hydrant Extension Kits <small>(33 14 19 00-0221)</small>		
33 14 19 00-0299 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	572.11	31.23
33 14 19 00-0300 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	680.89	39.03
33 14 19 00-0301 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	745.14	46.85
33 14 19 00-0302 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	849.60	57.77
33 14 19 00-0303 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,267.18	60.13
33 14 19 00-0304 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,352.41	62.46
33 14 19 00-0305 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,374.24	65.58
33 14 19 00-0306 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,452.06	70.26
33 14 19 00-0307 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,604.84	84.32
33 14 19 00-0308 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,700.84	101.49
33 14 19 00-0309 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	636.22	34.98
33 14 19 00-0310 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	754.78	42.47
33 14 19 00-0311 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	867.32	51.22
33 14 19 00-0312 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	973.14	63.71
33 14 19 00-0313 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,320.25	66.21
33 14 19 00-0314 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,406.64	68.70
33 14 19 00-0315 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,467.11	72.45
33 14 19 00-0316 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,712.01	77.45
33 14 19 00-0317 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,880.83	92.43
33 14 19 00-0318 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,984.61	111.17
33 14 19 00-0319 Removal And Reinstallation Of Standard Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0320 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	999.31	
33 14 19 00-0321 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,457.34	
33 14 19 00-0322 EA Reset Fire Hydrant Upper Barrel.....	1,275.67	
Note: Includes Safety Repair Kit		
33 14 19 00-0323 Yard Hydrants <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0324 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	403.79	45.94
33 14 19 00-0325 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	431.32	45.94
33 14 19 00-0326 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	458.84	45.94
33 14 19 00-0327 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	363.27	58.19
33 14 19 00-0328 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	377.92	58.19
33 14 19 00-0329 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	392.57	58.19
33 14 19 00-0330 Sanitary Yard Hydrants <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0331 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,719.22	95.71
33 14 19 00-0332 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,805.24	95.71
33 14 19 00-0333 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,891.25	95.71



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0334 Flushing Hydrants <small>(33 14 19)</small>		
33 14 19 00-0335 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	903.83	58.77
33 14 23 Enclosures for Water Utility Piping and Valves <small>(33 14)</small>		
Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0385 for Enclosures.		
33 14 23 00-0001 Roadway Or Curb Valve Boxes <small>(33 14 23)</small>		
See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0002 Round Head, Cast Iron Service, Roadway Or Valve Boxes <small>(33 14 23 00-0001)</small>		
33 14 23 00-0003 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	281.84	18.61
Note: Includes cover, top section and bottom section.		
33 14 23 00-0004 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	326.82	18.61
Note: Includes cover, top section and bottom section.		
33 14 23 00-0005 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	328.90	18.61
Note: Includes cover, top section and bottom section.		
33 14 23 00-0006 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	85.47	9.30
33 14 23 00-0007 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	97.38	9.30
33 14 23 00-0008 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	115.30	9.30
33 14 23 00-0009 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	424.03	23.26
Note: Includes cover, top section and bottom section.		
33 14 23 00-0010 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	732.87	32.57
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0011 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	816.78	32.57
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0012 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	440.67	23.26
Note: Includes cover, top section and bottom section.		
33 14 23 00-0013 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	460.72	23.26
Note: Includes cover, top section and bottom section.		
33 14 23 00-0014 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	445.41	23.26
Note: Includes cover, top section and bottom section.		
33 14 23 00-0015 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	161.61	9.30
33 14 23 00-0016 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	273.90	38.28
33 14 23 00-0017 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	283.00	39.82
33 14 23 00-0018 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	314.94	41.34
33 14 23 00-0019 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	430.30	43.65
33 14 23 00-0020 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	518.12	45.94
33 14 23 00-0021 EA 18" Cast Iron Service Box Extension Section.....	120.95	
33 14 23 00-0022 Plastic Roadway Grade Water Meter Box And Cover <small>(33 14 23 00-0001)</small>		
33 14 23 00-0023 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	585.24	53.60
33 14 23 00-0024 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	442.69	38.28
33 14 23 00-0025 EA Cast Iron Lid For Plastic Meter Box.....	136.75	
33 14 23 00-0026 Traffic Valve Box And Lid <small>(33 14 23 00-0001)</small>		
33 14 23 00-0027 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	244.64	
33 14 23 00-0028 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	747.48	
33 16 Water Utility Storage Tanks <small>(33 10)</small>		
33 16 23 Ground-Level Steel Water Storage Tanks <small>(33 16)</small>		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19 Water Utility Metering Equipment <small>(33 10)</small>		
33 19 13 Positive Displacement Water Meters <small>(33 19)</small>		
33 19 13 23 Nutating Disc Water Meters <small>(33 19 13)</small>		
33 19 13 23-0001 Bronze Disk Type Water Service Meters <small>(33 19 13 23)</small>		
33 19 13 23-0002 EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	336.53	79.63
33 19 13 23-0003 EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	421.85	94.94
33 19 13 23-0004 EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	562.61	108.72
33 19 13 23-0005 EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	1,084.46	162.32
33 19 13 23-0006 EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	1,467.76	211.32
33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters <small>(33 19 13 23)</small>		
33 19 13 23-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	595.67	79.63
<i>For Owner Furnished Material, Deduct</i>		
	-515.07	
33 19 13 23-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i).....	679.99	94.94
<i>For Owner Furnished Material, Deduct</i>		
	-584.28	
33 19 13 23-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i).....	1,005.89	108.72
<i>For Owner Furnished Material, Deduct</i>		
	-896.51	
33 19 13 23-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i).....	1,697.90	162.32
<i>For Owner Furnished Material, Deduct</i>		
	-1,535.00	
33 19 13 23-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i).....	2,104.24	211.32
<i>For Owner Furnished Material, Deduct</i>		
	-1,891.56	

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 13 23-0013 EA Electronic Transmitter.....	477.21	38.28
Note: For use with transmitting meter valve. For Owner Furnished Material, Deduct	-438.93	
33 19 16 Velocity-Type Water Meters (33 19)		
33 19 16 23 Turbine Water Meters (33 19 16)		
33 19 16 23-0001 Flanged Turbine Water Service Meter (33 19 16 23)		
33 19 16 23-0002 Vertical Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0003 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	792.00	148.03
33 19 16 23-0004 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	1,099.50	187.93
33 19 16 23-0005 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	2,129.44	239.67
33 19 16 23-0006 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	3,197.75	375.01
33 19 16 23-0007 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	5,795.51	507.53
33 19 16 23-0008 Horizontal Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0009 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged.....	1,196.34	148.03
33 19 16 23-0010 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,676.74	187.93
33 19 16 23-0011 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	2,360.87	239.67
33 19 16 23-0012 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	3,503.67	375.01
33 19 16 23-0013 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	6,910.09	507.53
33 19 16 23-0014 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	9,195.22	648.52
33 19 16 23-0015 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	12,704.57	789.49
33 19 16 23-0016 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	15,685.73	1,244.86
33 19 19 Compound Water Meters (33 19)		
33 19 19 00-0001 Flanged Compound Type Water Service Meter (33 19 19)		
33 19 19 00-0002 EA 2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	3,062.66	187.93
33 19 19 00-0003 EA 3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	3,879.78	239.67
33 19 19 00-0004 EA 4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	6,387.21	375.01
33 19 19 00-0005 EA 6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	8,915.81	507.53
33 19 19 00-0006 EA 8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	17,837.88	648.52
33 19 19 00-0007 EA 10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	30,170.79	789.49
33 19 23 Magnetic Water Meters (33 19)		
33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)		
33 19 23 00-0002 EA 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	8,728.01	187.93
33 19 23 00-0003 EA 3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	12,363.32	239.67
33 19 23 00-0004 EA 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	14,246.63	375.01
33 19 26 Ultrasonic Water Meters (33 19)		
33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) (33 19 26)		
33 19 26 00-0002 EA 3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	4,514.93	239.67
33 19 26 00-0003 EA 4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	5,256.73	375.01
33 19 26 00-0004 EA 6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	7,712.92	507.53
33 19 26 00-0005 EA 8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	11,061.39	648.52
33 30 Sanitary Sewerage Utilities (33)		
33 31 Sanitary Sewerage Piping (33 30)		
33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 31 11 00-0001 Plastic Sewer And Drain Piping (33 31 11)		
33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)		
33 31 11 00-0003 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	10.55	4.02
33 31 11 00-0004 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	12.90	4.74
33 31 11 00-0005 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	18.49	5.75
33 31 11 00-0006 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	23.49	6.71
33 31 11 00-0007 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	33.18	7.80
33 31 11 00-0008 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	45.53	9.08
33 31 11 00-0009 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	64.49	9.40
33 31 11 00-0010 LF 12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	86.67	9.72
33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)		
Note: D-2729 PVC pipe.		
33 31 11 00-0012 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	14.15	5.75
33 31 11 00-0013 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	16.73	6.71



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Sanitary Sewerage Piping	33 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0014 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	22.12	7.80
33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)		
33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0017 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	30.54	16.23
33 31 11 00-0018 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.28	20.98
33 31 11 00-0019 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	66.79	28.18
33 31 11 00-0020 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	100.68	32.57
33 31 11 00-0021 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	379.23	42.33
33 31 11 00-0022 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	626.14	56.97
33 31 11 00-0023 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	826.78	75.88
33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0025 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.97	16.23
33 31 11 00-0026 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.16	20.98
33 31 11 00-0027 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	64.64	28.18
33 31 11 00-0028 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	90.18	32.57
33 31 11 00-0029 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	352.52	42.33
33 31 11 00-0030 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	564.04	56.97
33 31 11 00-0031 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	644.13	75.88
33 31 11 00-0032 EA 12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	954.47	101.05
33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0034 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.95	15.98
33 31 11 00-0035 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	49.30	20.98
33 31 11 00-0036 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	92.55	28.18
33 31 11 00-0037 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	147.91	32.57
33 31 11 00-0038 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	288.01	42.33
33 31 11 00-0039 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	506.25	56.97
33 31 11 00-0040 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	824.63	75.88
33 31 11 00-0041 EA 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,246.58	101.05
33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0043 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	35.03	16.23
33 31 11 00-0044 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.27	20.98
33 31 11 00-0045 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	73.55	28.18
33 31 11 00-0046 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	106.74	32.57
33 31 11 00-0047 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	468.10	42.33
33 31 11 00-0048 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	755.51	56.97
33 31 11 00-0049 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	856.24	75.88
33 31 11 00-0050 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	883.77	101.05
33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0052 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.22	18.51
33 31 11 00-0053 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.79	22.10
33 31 11 00-0054 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.74	24.37
33 31 11 00-0055 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	105.60	26.64
33 31 11 00-0056 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	113.96	30.23
33 31 11 00-0057 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	334.42	37.41
33 31 11 00-0058 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	702.63	49.60
33 31 11 00-0059 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	232.72	54.17
33 31 11 00-0060 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	324.86	59.08
33 31 11 00-0061 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	302.24	66.35
33 31 11 00-0062 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	735.97	71.72
33 31 11 00-0063 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	778.25	78.99
33 31 11 00-0064 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	825.47	88.46
33 31 11 00-0065 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0066 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.83	24.52
33 31 11 00-0067 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	63.35	31.72
33 31 11 00-0068 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	105.03	41.84
33 31 11 00-0069 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	158.39	51.97
33 31 11 00-0070 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	553.64	56.97
33 31 11 00-0071 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	719.18	75.88
33 31 11 00-0072 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0073 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	58.92	24.52
33 31 11 00-0074 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.79	31.72
33 31 11 00-0075 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	113.27	41.84
33 31 11 00-0076 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	171.87	51.97
33 31 11 00-0077 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	503.07	56.97

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0078 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	623.12	75.88
33 31 11 00-0079 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	820.06	101.26
33 31 11 00-0080 EA 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,288.00	135.12
33 31 11 00-0081 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0082 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	76.34	24.52
33 31 11 00-0083 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	86.73	31.72
33 31 11 00-0084 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	101.82	41.84
33 31 11 00-0085 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	153.38	51.97
33 31 11 00-0086 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	166.02	51.97
33 31 11 00-0087 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0088 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	94.72	31.72
33 31 11 00-0089 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	123.52	41.84
33 31 11 00-0090 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	241.49	56.48
33 31 11 00-0091 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	420.44	68.31
33 31 11 00-0092 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	118.28	41.84
33 31 11 00-0093 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	201.42	56.48
33 31 11 00-0094 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	354.25	68.31
33 31 11 00-0095 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0096 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	72.76	24.52
33 31 11 00-0097 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	91.38	31.72
33 31 11 00-0098 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	178.14	41.84
33 31 11 00-0099 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	317.37	51.97
33 31 11 00-0100 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	138.37	31.72
33 31 11 00-0101 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	220.70	41.84
33 31 11 00-0102 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	161.50	41.84
33 31 11 00-0103 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	297.41	51.97
33 31 11 00-0104 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	315.66	51.97
33 31 11 00-0105 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0106 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	105.45	31.72
33 31 11 00-0107 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	124.72	41.84
33 31 11 00-0108 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	192.23	56.48
33 31 11 00-0109 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	669.22	68.31
33 31 11 00-0110 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	2,170.98	75.63
33 31 11 00-0111 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0112 EA 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	536.67	123.89
33 31 11 00-0113 EA 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,259.05	159.84
33 31 11 00-0114 EA 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,607.06	225.25
33 31 11 00-0115 EA 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,226.82	362.32
33 31 11 00-0116 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0117 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	29.81	16.23
33 31 11 00-0118 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	37.31	20.86
33 31 11 00-0119 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	57.51	27.94
33 31 11 00-0120 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	74.35	32.57
33 31 11 00-0121 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	204.54	42.33
33 31 11 00-0122 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	492.67	56.97
33 31 11 00-0123 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	744.98	75.88
33 31 11 00-0124 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	1,226.85	101.05
33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0126 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	173.98	98.97
33 31 11 00-0127 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	121.51	75.29
33 31 11 00-0128 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	125.24	75.29
33 31 11 00-0129 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	135.14	75.29
33 31 11 00-0130 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	176.70	98.97
33 31 11 00-0131 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	168.77	98.97
33 31 11 00-0132 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	155.75	98.97
33 31 11 00-0133 EA 4" Drain Grate, Drain And Sewer Fitting	85.99	50.89
33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0135 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	48.88	17.44
33 31 11 00-0136 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	84.04	21.72
33 31 11 00-0137 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	165.21	28.06



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0138				Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
				33 31 11 00-0139 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.87	16.23
				33 31 11 00-0140 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.64	20.98
				33 31 11 00-0141 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	57.05	28.18
				33 31 11 00-0142 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	77.10	32.57
				33 31 11 00-0143 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	138.24	42.33
				33 31 11 00-0144 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	566.43	56.97
33 31 11 00-0145				Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
				Note: ASTM 3034.		
				33 31 11 00-0146 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	16.38	6.71
				33 31 11 00-0147 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	21.25	7.80
				33 31 11 00-0148 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	27.73	9.08
				33 31 11 00-0149 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	33.18	9.40
				33 31 11 00-0150 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	39.71	9.72
				33 31 11 00-0151 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	50.53	10.07
				33 31 11 00-0152 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	62.89	10.43
				33 31 11 00-0153 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	80.60	11.34
				33 31 11 00-0154 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	97.02	12.23
				33 31 11 00-0155 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	120.23	14.34
33 31 11 00-0156				Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
				Note: ASTM 3034.		
				33 31 11 00-0157 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	19.61	6.71
				33 31 11 00-0158 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	28.03	7.80
				33 31 11 00-0159 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	39.85	9.08
33 31 11 00-0160				Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)		
				Note: ASTM 3034.		
33 31 11 00-0161				1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
				33 31 11 00-0161 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	89.83	28.36
				33 31 11 00-0163 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	133.23	32.98
				33 31 11 00-0164 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	279.13	37.37
				33 31 11 00-0165 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	801.38	43.97
				33 31 11 00-0166 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,035.57	56.06
33 31 11 00-0167				1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
				33 31 11 00-0168 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	81.08	28.36
				33 31 11 00-0169 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	123.58	32.98
				33 31 11 00-0170 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	254.74	37.37
				33 31 11 00-0171 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	571.80	43.97
				33 31 11 00-0172 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	817.28	56.06
				33 31 11 00-0173 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,752.74	79.15
				33 31 11 00-0174 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,781.11	112.13
				33 31 11 00-0175 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,640.90	148.40
				33 31 11 00-0176 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	6,328.02	197.88
33 31 11 00-0177				Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
				33 31 11 00-0178 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	135.97	42.55
				33 31 11 00-0179 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	219.44	47.15
				33 31 11 00-0180 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	246.68	49.46
				33 31 11 00-0181 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	272.38	51.77
				33 31 11 00-0182 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	312.06	54.08
				33 31 11 00-0183 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	598.94	56.39
				33 31 11 00-0184 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	767.51	57.71
				33 31 11 00-0185 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	870.02	60.47
				33 31 11 00-0186 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,285.41	62.77
				33 31 11 00-0187 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,675.79	65.96
				33 31 11 00-0188 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	944.39	70.25
				33 31 11 00-0189 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,002.62	72.56
				33 31 11 00-0190 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,431.43	74.87
				33 31 11 00-0191 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,065.52	78.05
				33 31 11 00-0192 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,327.80	84.09
33 31 11 00-0193				Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
				33 31 11 00-0194 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	129.19	42.55
				33 31 11 00-0195 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	196.82	47.15
				33 31 11 00-0196 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	216.31	49.46
				33 31 11 00-0197 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	262.68	51.77
				33 31 11 00-0198 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	300.50	54.08
				33 31 11 00-0199 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	460.74	56.39
				33 31 11 00-0200 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	701.89	58.16

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0201 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	715.95	60.47
33 31 11 00-0202 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,077.97	62.77
33 31 11 00-0203 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,192.90	65.96
33 31 11 00-0204 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	889.63	70.25
33 31 11 00-0205 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	917.57	72.56
33 31 11 00-0206 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,314.85	74.87
33 31 11 00-0207 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,584.69	78.05
33 31 11 00-0208 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,654.54	84.09
33 31 11 00-0209 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,039.11	101.14
33 31 11 00-0210 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,262.43	107.18
33 31 11 00-0211 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,829.05	118.72
33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0213 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	89.05	28.36
33 31 11 00-0214 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	138.38	32.98
33 31 11 00-0215 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	204.35	37.59
33 31 11 00-0216 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	387.77	43.97
33 31 11 00-0217 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	550.36	56.06
33 31 11 00-0218 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,077.25	79.15
33 31 11 00-0219 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,027.12	112.13
33 31 11 00-0220 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,383.54	148.40
33 31 11 00-0221 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,898.55	197.88
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0223 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	171.03	30.67
33 31 11 00-0224 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	245.34	32.98
33 31 11 00-0225 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	258.71	35.29
33 31 11 00-0226 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	583.82	38.47
33 31 11 00-0227 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	671.08	40.78
33 31 11 00-0228 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	749.85	44.52
33 31 11 00-0229 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	860.73	46.83
33 31 11 00-0230 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	987.01	50.02
33 31 11 00-0231 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,486.21	67.61
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0233 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	141.32	
33 31 11 00-0234 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	186.78	
33 31 11 00-0235 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	190.97	
33 31 11 00-0236 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	316.55	
33 31 11 00-0237 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	334.09	
33 31 11 00-0238 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	635.76	
33 31 11 00-0239 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	360.48	
33 31 11 00-0240 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	393.35	
33 31 11 00-0241 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	880.41	
33 31 11 00-0242 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,038.69	
33 31 11 00-0243 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	413.31	
33 31 11 00-0244 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	442.00	
33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0246 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	151.14	
33 31 11 00-0247 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	186.78	
33 31 11 00-0248 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	204.34	
33 31 11 00-0249 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	290.54	
33 31 11 00-0250 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	331.98	
33 31 11 00-0251 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	504.83	
33 31 11 00-0252 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	358.39	
33 31 11 00-0253 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	391.37	
33 31 11 00-0254 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	587.22	
33 31 11 00-0255 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	715.05	
33 31 11 00-0256 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	412.02	
33 31 11 00-0257 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	432.28	
33 31 11 00-0258 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	721.87	
33 31 11 00-0259 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	799.01	
33 31 11 00-0260 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,130.54	
33 31 11 00-0261 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings (33 31 11 00-0001) Note: ASTM F949.		
33 31 11 00-0262 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0261)		
33 31 11 00-0263 LF 4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	17.74	6.71
33 31 11 00-0264 LF 6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	26.62	7.80
33 31 11 00-0265 LF 8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	34.66	9.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0266 LF 10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	42.56	9.40
33 31 11 00-0267 LF 12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	45.29	9.72
33 31 11 00-0268 LF 15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	54.80	10.07
33 31 11 00-0269 LF 18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	72.55	10.43
33 31 11 00-0270 LF 21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	85.60	11.34
33 31 11 00-0271 LF 24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	106.78	12.23
33 31 11 00-0272 LF 30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	154.54	16.45
33 31 11 00-0273 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0261)		
33 31 11 00-0274 EA 4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	88.00	
33 31 11 00-0275 EA 6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	121.49	
33 31 11 00-0276 EA 8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	170.63	
33 31 11 00-0277 EA 10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	296.30	
33 31 11 00-0278 EA 12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	316.97	
33 31 11 00-0279 EA 15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	534.78	
33 31 11 00-0280 EA 18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	852.48	
33 31 11 00-0281 EA 21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,223.37	
33 31 11 00-0282 EA 24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,594.14	
33 31 11 00-0283 EA 30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,107.72	
33 31 11 00-0284 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0261)		
33 31 11 00-0285 EA 4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	81.50	
33 31 11 00-0286 EA 6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	111.86	
33 31 11 00-0287 EA 8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	156.61	
33 31 11 00-0288 EA 10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	269.96	
33 31 11 00-0289 EA 12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	289.38	
33 31 11 00-0290 EA 15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	486.05	
33 31 11 00-0291 EA 18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	773.03	
33 31 11 00-0292 EA 21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,105.44	
33 31 11 00-0293 EA 24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,437.92	
33 31 11 00-0294 EA 30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,899.27	
33 31 11 00-0295 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0261)		
33 31 11 00-0296 EA 4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	71.74	
33 31 11 00-0297 EA 6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	91.53	
33 31 11 00-0298 EA 8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	146.23	
33 31 11 00-0299 EA 10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	185.50	
33 31 11 00-0300 EA 12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	260.10	
33 31 11 00-0301 EA 15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	434.26	
33 31 11 00-0302 EA 18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	636.84	
33 31 11 00-0303 EA 21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	984.77	
33 31 11 00-0304 EA 24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,332.70	
33 31 11 00-0305 EA 30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,894.27	
33 31 11 00-0306 Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0261)		
33 31 11 00-0307 EA 4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	137.74	
33 31 11 00-0308 EA 6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	180.63	
33 31 11 00-0309 EA 8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	330.90	
33 31 11 00-0310 EA 10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	539.23	
33 31 11 00-0311 EA 12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	907.83	
33 31 11 00-0312 EA 15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,299.60	
33 31 11 00-0313 EA 18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,889.89	
33 31 11 00-0314 EA 21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	2,178.45	
33 31 11 00-0315 EA 24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	2,466.93	
33 31 11 00-0316 EA 30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	4,516.13	
33 31 11 00-0317 Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0261)		
33 31 11 00-0318 EA 4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	124.41	
33 31 11 00-0319 EA 6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	162.36	
33 31 11 00-0320 EA 8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	293.56	
33 31 11 00-0321 EA 10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	475.41	
33 31 11 00-0322 EA 12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	795.71	
33 31 11 00-0323 EA 15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,137.76	
33 31 11 00-0324 EA 18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,652.92	
33 31 11 00-0325 EA 21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,903.61	
33 31 11 00-0326 EA 24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	2,154.25	
33 31 11 00-0327 EA 30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	3,928.66	
33 31 11 00-0328 Couplings And Plug Fittings (33 31 11)		

33	33 Utilities
	33 30 Sanitary Sewerage Utilities
	33 31 Sanitary Sewerage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 31 11 00-0329 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 11 00-0328)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0330 EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	24.82 9.28
33 31 11 00-0331 EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	27.22 10.82
33 31 11 00-0332 EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	31.23 12.37
33 31 11 00-0333 EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	35.17 13.15
33 31 11 00-0334 EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	42.29 13.92
33 31 11 00-0335 EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	49.45 15.46
33 31 11 00-0336 EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	61.62 17.01
33 31 11 00-0337 EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	74.94 17.79
33 31 11 00-0338 EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	119.54 18.56
33 31 11 00-0339 EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515).....	160.45 20.11
33 31 11 00-0340 EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818).....	302.41 20.87
33 31 11 00-0341 EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121).....	350.43 22.04
33 31 11 00-0342 EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424).....	387.71 23.20
33 31 11 00-0343 EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727).....	463.54 24.75

33 31 11 00-0344 Cast Iron Service Saddles With U Bolt <small>(33 31 11)</small>		
33 31 11 00-0345 EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	133.64
33 31 11 00-0346 EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	134.27
33 31 11 00-0347 EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	147.94
33 31 11 00-0348 EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	142.88
33 31 11 00-0349 EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	160.88
33 31 11 00-0350 EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	180.46
33 31 11 00-0351 EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	213.57
33 31 11 00-0352 EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	180.07
33 31 11 00-0353 EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	196.80
33 31 11 00-0354 EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	227.26
33 31 11 00-0355 EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	146.45
33 31 11 00-0356 EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	160.12
33 31 11 00-0357 EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	188.81
33 31 11 00-0358 EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	223.82
33 31 11 00-0359 EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	240.04

33 31 11 00-0360 Manhole Inside Bowl Drop <small>(33 31 11)</small>		
33 31 11 00-0361 EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	345.00
33 31 11 00-0362 EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96).....	361.25
33 31 11 00-0363 EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB).....	371.16
33 31 11 00-0364 EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96).....	383.53
33 31 11 00-0365 EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB).....	399.23
33 31 11 00-0366 EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84).....	427.33
33 31 11 00-0367 EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB).....	445.95
33 31 11 00-0368 EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96).....	459.99
33 31 11 00-0369 EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60).....	785.85
33 31 11 00-0370 EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96).....	806.93

33 32 Sanitary Sewerage Equipment (33 30)

33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller <small>(33 32 16)</small>		
33 32 16 00-0002 EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge	2,404.36 459.69
Note: Zoeller 840 series.		
33 32 16 00-0003 EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge	2,373.66 459.69
Note: Zoeller 840 series.		
33 32 16 00-0004 EA	Simplex Control Panel With Auto Reversing Switch	1,103.48 153.18
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005 EA	Duplex Control Panel With Auto Reversing Switch	1,673.97 153.18
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006 EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	13,270.90

33 32 16 00-0007 Submersible Grinder Pumps <small>(33 32 16)</small>		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008 EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	4,080.05 834.99
33 32 16 00-0009 EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	6,010.18 974.15
33 32 16 00-0010 EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,379.20 1,252.48

33 34 Onsite Wastewater Disposal (33 30)

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks (33 34)

33 34 13 13 Concrete Septic Tanks (33 34 13)



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Onsite Wastewater Disposal	33 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0001 Precast Concrete Septic Tank <small>(33 34 13 13)</small>		
<i>Note: Includes external coating.</i>		
33 34 13 13-0002 EA 1,000 Gallon Precast Septic Tank	4,269.95	834.99
<i>For Non-Traffic Rated, Deduct</i>	<i>-811.13</i>	
33 34 13 13-0003 EA 1,250 Gallon Precast Septic Tank	5,124.95	921.69
<i>For Non-Traffic Rated, Deduct</i>	<i>-998.34</i>	
33 34 13 13-0004 EA 1,500 Gallon Precast Septic Tank	5,947.28	1,008.26
<i>For Non-Traffic Rated, Deduct</i>	<i>-1,177.35</i>	
33 34 13 13-0005 EA 2,000 Gallon Precast Septic Tank	7,617.56	1,095.92
<i>For Non-Traffic Rated, Deduct</i>	<i>-1,568.98</i>	
33 34 13 13-0006 EA 2,500 Gallon Precast Septic Tank	9,093.33	1,513.42
<i>For Non-Traffic Rated, Deduct</i>	<i>-1,810.41</i>	
33 34 13 13-0007 EA 4,000 Gallon Precast Septic Tank	24,025.13	2,087.48
<i>For Non-Traffic Rated, Deduct</i>	<i>-5,366.12</i>	
33 34 13 13-0008 EA 5,000 Gallon Precast Septic Tank	43,632.70	3,131.22
<i>For Non-Traffic Rated, Deduct</i>	<i>-9,950.67</i>	
33 34 13 13-0009 EA 7,500 Gallon Precast Septic Tank	48,991.51	4,383.70
<i>For Non-Traffic Rated, Deduct</i>	<i>-10,914.21</i>	
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank	60,064.06	5,244.86
<i>For Non-Traffic Rated, Deduct</i>	<i>-13,415.62</i>	
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank	71,007.15	6,497.35
<i>For Non-Traffic Rated, Deduct</i>	<i>-15,751.29</i>	
33 34 13 23 Fiberglass Septic Tank <small>(33 34 13)</small>		
33 34 13 23-0001 Fiberglass Septic Tank <small>(33 34 13 23)</small>		
33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank	4,908.77	626.24
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank	5,784.22	834.99
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank	6,650.13	756.78
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank	11,101.15	819.26
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank	13,941.47	1,135.59
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank	22,098.03	1,565.60
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank	32,799.04	2,348.42
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank	45,030.97	3,287.78
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank	55,256.32	3,929.61
33 34 13 33 Polyethylene Septic Tank <small>(33 34 13)</small>		
33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank <small>(33 34 13 33)</small>		
33 34 13 33-0002 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	1,419.66	281.96
33 34 13 33-0003 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	2,146.46	317.21
33 34 13 33-0004 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,966.48	387.70
33 34 13 33-0005 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,054.62	422.94
33 34 13 33-0006 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,529.00	458.19
33 34 13 33-0007 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	4,215.41	493.44
33 34 13 33-0008 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,974.24	352.45
33 34 13 33-0009 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,256.57	422.94
33 34 13 33-0010 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,816.77	458.19
33 34 13 33-0011 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	4,467.84	493.44
33 34 51 Drainage Field System <small>(33 34)</small>		
33 34 51 00-0001 Leaching Pit - Precast Concrete <small>(33 34 51)</small>		
<i>Note: Includes external coating.</i>		
33 34 51 00-0002 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit	1,225.04	122.47
33 34 51 00-0003 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit	1,737.90	173.96
33 34 51 00-0004 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit	2,314.76	208.75
33 34 51 00-0005 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit	3,759.97	347.91
33 34 51 00-0006 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit	5,508.85	487.08
33 34 53 Distribution Chambers <small>(33 34)</small>		
33 34 53 13 Drainage Field Concrete Distribution Chambers <small>(33 34 53)</small>		
33 34 53 13-0001 Concrete Distribution Boxes <small>(33 34 53 13)</small>		
<i>Note: Includes internal and external coating.</i>		
33 34 53 13-0002 EA 3 Outlet Concrete Distribution Box	390.95	93.25
33 34 53 13-0003 EA 5 Outlet Concrete Distribution Box	456.01	111.89
33 34 53 13-0004 EA 8 Outlet Concrete Distribution Box	778.56	130.54
33 34 53 13-0005 EA 12 Outlet Concrete Distribution Box	1,527.96	223.78
33 34 53 13-0006 Leaching Field Chambers - Precast Concrete <small>(33 34 53 13)</small>		
33 34 53 13-0007 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,402.66	90.04
33 34 53 13-0008 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,696.12	122.78
33 34 56 Drainage Field Dosing Chambers <small>(33 34)</small>		

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 34 56 00-0001	Dosing Siphon ^(33 34 56)		
33 34 56 00-0002	EA Dosing Siphon With Electrical Connection And Solenoid Valve.....	5,988.05	
33 34 56 00-0003	EA Solar Power Control For Dosing Siphon.....	4,102.54	
33 34 56 00-0004	EA Electrical Power Control For Dosing Siphon.....	3,943.06	

33 40 Stormwater Utilities ⁽³³⁾**33 41 Subdrainage** ^(33 40)**33 41 16 Subdrainage Piping** ^(33 41)**33 41 16 13 Subdrainage Piping** ^(33 41 16)

See CSI section 33 42 11 00-0227 for polyethylene drain pipe.

33 41 16 13-0001	Corrugated High Density Polyethylene (HDPE) Drainage Piping ^(33 41 16 13)		
33 41 16 13-0002	Single Wall, Corrugated High Density Polyethylene (HDPE) Piping ^(33 41 16 13-0001) Note: Excludes couplings and gaskets.		
33 41 16 13-0003	Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping ^(33 41 16 13-0002)		
33 41 16 13-0004	LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.96	4.73
	For <100, Add	1.01	
	For >1,000, Deduct	-0.53	
33 41 16 13-0005	LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.81	5.06
	For <100, Add	1.15	
	For >1,000, Deduct	-0.64	
33 41 16 13-0006	LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.18	5.32
	For <100, Add	1.31	
	For >1,000, Deduct	-0.78	
33 41 16 13-0007	LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.45	5.48
	For <100, Add	1.54	
	For >1,000, Deduct	-1.00	
33 41 16 13-0008	LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.18	5.99
	For <100, Add	1.76	
	For >1,000, Deduct	-1.16	
33 41 16 13-0009	LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.05	6.75
	For <100, Add	2.17	
	For >1,000, Deduct	-1.49	
33 41 16 13-0010	LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.88	11.36
	For <100, Add	3.55	
	For >1,000, Deduct	-2.41	
33 41 16 13-0011	LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.32	12.48
	For <100, Add	4.49	
	For >1,000, Deduct	-3.24	
33 41 16 13-0012	Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping ^(33 41 16 13-0002)		
33 41 16 13-0013	LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.78	4.73
	For <100, Add	1.00	
	For >1,000, Deduct	-0.53	
33 41 16 13-0014	LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.73	5.06
	For <100, Add	1.15	
	For >1,000, Deduct	-0.64	
33 41 16 13-0015	LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.52	5.32
	For <100, Add	1.47	
	For >1,000, Deduct	-0.94	
33 41 16 13-0016	LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.21	5.48
	For <100, Add	1.63	
	For >1,000, Deduct	-1.08	
33 41 16 13-0017	LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.11	5.99
	For <100, Add	1.85	
	For >1,000, Deduct	-1.26	
33 41 16 13-0018	LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.84	6.75
	For <100, Add	2.15	
	For >1,000, Deduct	-1.48	
33 41 16 13-0019	LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.61	11.36
	For <100, Add	3.48	
	For >1,000, Deduct	-2.35	
33 41 16 13-0020	LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	50.31	12.48
	For <100, Add	4.39	
	For >1,000, Deduct	-3.14	
33 41 16 13-0021	Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings ^(33 41 16 13-0001) Note: Excludes couplings and gaskets.		
33 41 16 13-0022	Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) ^(33 41 16 13-0021)		
33 41 16 13-0023	EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	49.65	26.39
33 41 16 13-0024	EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	59.12	30.79
33 41 16 13-0025	EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	97.58	37.39



Utilities	33	CS
Stormwater Utilities	33 40	
Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0026 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	125.52	46.20
33 41 16 13-0027 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	188.09	55.00
33 41 16 13-0028 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	414.58	71.86
33 41 16 13-0029 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	494.34	96.78
33 41 16 13-0030 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	944.75	109.98
33 41 16 13-0031 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0032 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	51.15	26.39
33 41 16 13-0033 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	64.03	30.79
33 41 16 13-0034 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	148.96	37.39
33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0036 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	33.61	17.60
33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0038 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	35.18	17.60
33 41 16 13-0039 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	45.77	20.53
33 41 16 13-0040 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	68.72	24.93
33 41 16 13-0041 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	90.82	30.79
33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 41 16 13)		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.40	4.97
For <100, Add	1.27	
For >1,000, Deduct	-0.77	
33 41 16 13-0044 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	11.41	5.37
For <100, Add	1.38	
For >1,000, Deduct	-0.84	
33 41 16 13-0045 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.84	6.44
For <100, Add	1.81	
For >1,000, Deduct	-1.16	
33 41 16 13-0046 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	27.45	8.04
For <100, Add	2.58	
For >1,000, Deduct	-1.77	
33 41 16 13-0047 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	47.20	8.37
For <100, Add	3.62	
For >1,000, Deduct	-2.78	
33 41 16 13-0048 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	61.12	9.14
For <100, Add	4.43	
For >1,000, Deduct	-3.51	
33 41 16 13-0049 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	85.68	10.30
For <100, Add	5.83	
For >1,000, Deduct	-4.80	
33 41 16 13-0050 Perforated Non-Reinforced Concrete Drainage Piping, C444 (33 41 16 13)		
33 41 16 13-0051 LF 6" Perforated Non-Reinforced Concrete Drainage Pipe.....	33.10	12.00
For Extra Strength, Add	1.88	
For >1,000, Deduct	-1.66	
33 41 16 13-0052 LF 8" Perforated Non-Reinforced Concrete Drainage Pipe.....	38.73	13.33
For Extra Strength, Add	2.31	
For >1,000, Deduct	-1.94	
33 41 16 13-0053 LF 10" Perforated Non-Reinforced Concrete Drainage Pipe.....	43.85	14.67
For Extra Strength, Add	2.69	
For >1,000, Deduct	-2.19	
33 41 16 13-0054 LF 12" Perforated Non-Reinforced Concrete Drainage Pipe.....	51.56	16.01
For Extra Strength, Add	3.37	
For >1,000, Deduct	-2.58	
33 41 16 13-0055 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13)		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056 LF 6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	27.29	12.00
For >1,000, Deduct	-1.36	
33 41 16 13-0057 LF 8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.20	13.33
For >1,000, Deduct	-1.51	
33 41 16 13-0058 LF 10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.32	14.67
For >1,000, Deduct	-1.67	
33 41 16 13-0059 LF 12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	38.08	15.24
For >1,000, Deduct	-1.90	
33 41 16 13-0060 LF 15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	44.30	17.14
For >1,000, Deduct	-2.22	
33 41 16 13-0061 LF 18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	54.81	21.91
For >1,000, Deduct	-2.74	

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0062 LF 21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	68.45 -3.42	28.10
33 41 16 13-0063 LF 24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	83.47 -4.17	34.30
33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
33 41 16 13-0065 LF 6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	25.37 -1.27	12.00
33 41 16 13-0066 LF 8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	32.33 -1.62	13.33
33 41 16 13-0067 LF 10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	41.01 -2.05	14.67
33 41 16 13-0068 LF 12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	49.86 -2.49	16.01
33 41 16 13-0069 LF 15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	57.13 -2.86	17.81
33 41 16 13-0070 LF 18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	74.09 -3.70	22.21
33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16 13)</small>		
33 41 16 13-0072 LF 4" Perforated Vitrified Clay Drainage Pipe	25.10	13.33
33 41 16 13-0073 LF 6" Perforated Vitrified Clay Drainage Pipe	30.02	15.01
33 41 16 13-0074 LF 8" Perforated Vitrified Clay Drainage Pipe	34.32	15.01
33 41 16 13-0075 LF 10" Perforated Vitrified Clay Drainage Pipe	46.04	18.33
33 41 16 13-0076 LF 12" Perforated Vitrified Clay Drainage Pipe	54.78	20.01
33 41 16 13-0077 Geotextile Filter Fabric Sock <small>(33 41 16 13)</small>		
33 41 16 13-0078 LF 3" Geotextile Filter Fabric Sock.....	0.81	
33 41 16 13-0079 LF 4" Geotextile Filter Fabric Sock.....	1.07	
33 41 16 13-0080 LF 6" Geotextile Filter Fabric Sock.....	1.62	
33 41 16 13-0081 LF 8" Geotextile Filter Fabric Sock.....	2.16	
33 41 16 13-0082 LF 10" Geotextile Filter Fabric Sock.....	3.27	
33 41 16 13-0083 LF 12" Geotextile Filter Fabric Sock.....	4.53	
33 41 16 13-0084 LF 15" Geotextile Filter Fabric Sock.....	5.48	
33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0086 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	24.23 1.28	5.71
33 41 16 13-0087 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	30.73 1.69	6.92
33 41 16 13-0088 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	38.73 2.12	8.79
33 41 16 13-0089 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	42.90 2.21	10.39
33 41 16 13-0090 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	49.32 2.78	10.76
33 41 16 13-0091 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	55.88 3.36	11.15
33 41 16 13-0092 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	64.03 4.00	12.03
33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	26.29 1.49	5.71
33 41 16 13-0095 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	33.52 1.97	6.92
33 41 16 13-0096 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	42.14 2.46	8.79
33 41 16 13-0097 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	46.21 2.54	10.39
33 41 16 13-0098 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	53.41 3.19	10.76
33 41 16 13-0099 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	60.74 3.84	11.15
33 41 16 13-0100 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	69.69 4.56	12.03
33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	26.95 1.55	5.71
33 41 16 13-0103 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	34.37 2.05	6.92



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Subdrainage	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0104	LF		10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	43.23 2.57	8.79
33 41 16 13-0105	LF		12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	54.38 3.36	10.39
33 41 16 13-0106	LF		15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	63.58 4.21	10.76
33 41 16 13-0107	LF		18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	73.07 5.08	11.15
33 41 16 13-0108	LF		21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	84.07 6.00	12.03
33 41 16 13-0109			Prefabricated Composite Drains <small>(33 41 16 13)</small>		
33 41 16 13-0110			Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) <small>(33 41 16 13-0109)</small>		
			Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 13-0111	LF		12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... <i>For External Typar Geotextile Wrap, Add</i>	11.13 2.09	2.22
33 41 16 13-0112	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	50.70	
33 41 16 13-0113	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	50.70	
33 41 16 13-0114	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	99.21	
33 41 16 13-0115	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	99.21	
33 41 16 13-0116	LF		18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... <i>For External Typar Geotextile Wrap, Add</i>	17.89 3.14	2.78
33 41 16 13-0117	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	75.61	
33 41 16 13-0118	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	75.61	
33 41 16 13-0119	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	130.69	
33 41 16 13-0120	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	130.69	
33 41 19			Underslab Drainage <small>(33 41)</small>		
33 41 19 13			Underslab Drainage Piping <small>(33 41 19)</small>		
33 41 19 13-0001			Capillary Water Barrier Underslab Drainage <small>(33 41 19 13)</small>		
			Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 13-0002	CY		2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	121.56	
33 41 19 13-0003	CY		4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	119.03	
33 41 19 13-0004	CY		6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	118.01	
33 41 19 13-0005	CY		8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	116.48	
33 42			Stormwater Conveyance <small>(33 40)</small>		
			Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 42 11			Stormwater Gravity Piping <small>(33 42)</small>		
33 42 11 00-0001			Reinforced Concrete Piping <small>(33 42 11)</small>		
33 42 11 00-0002			Class 3 Reinforced Concrete Pipe Without Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	49.66 -2.48 2.55 5.36	16.01
33 42 11 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	59.75 -2.99 3.26 6.86	17.81
33 42 11 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	67.82 -3.39 3.43 7.22	22.21
33 42 11 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	86.93 -4.35 4.46 9.38	28.01
33 42 11 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	101.67 -5.08 5.04 10.62	34.01
33 42 11 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	129.30 -6.47 6.37 13.40	43.60
33 42 11 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	137.56 -6.88 6.89 14.50	45.02
33 42 11 00-0010	LF		36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	170.63 -8.53 9.34 19.66	51.16

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	221.82	56.28
		<i>For >1,000, Deduct</i>	-11.09	
		<i>For Class 4, Add</i>	13.51	
		<i>For Class 5, Add</i>	28.44	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	265.93	62.67
		<i>For >1,000, Deduct</i>	-13.30	
		<i>For Class 4, Add</i>	16.76	
		<i>For Class 5, Add</i>	35.28	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	331.37	71.62
		<i>For >1,000, Deduct</i>	-16.57	
		<i>For Class 4, Add</i>	21.76	
		<i>For Class 5, Add</i>	45.81	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	400.39	83.08
		<i>For >1,000, Deduct</i>	-20.02	
		<i>For Class 4, Add</i>	26.76	
		<i>For Class 5, Add</i>	56.34	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	619.67	92.09
		<i>For >1,000, Deduct</i>	-30.98	
		<i>For Class 4, Add</i>	46.43	
		<i>For Class 5, Add</i>	97.74	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	723.42	100.27
		<i>For >1,000, Deduct</i>	-36.17	
		<i>For Class 4, Add</i>	55.12	
		<i>For Class 5, Add</i>	116.03	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	870.47	112.55
		<i>For >1,000, Deduct</i>	-43.52	
		<i>For Class 4, Add</i>	67.39	
		<i>For Class 5, Add</i>	141.86	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	1,122.67	125.34
		<i>For >1,000, Deduct</i>	-56.13	
		<i>For Class 4, Add</i>	89.64	
		<i>For Class 5, Add</i>	188.72	
33 42 11 00-0019		HE-I Elliptical Reinforced Concrete Piping Without Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	83.90	25.44
		<i>For >1,000, Deduct</i>	-4.20	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	4.76	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	10.46	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	22.83	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	120.30	29.53
		<i>For >1,000, Deduct</i>	-6.02	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	7.81	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	17.18	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	37.49	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	166.81	45.23
		<i>For >1,000, Deduct</i>	-8.34	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	10.22	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	22.48	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	49.05	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	197.09	57.99
		<i>For >1,000, Deduct</i>	-9.85	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	11.43	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	25.14	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	54.84	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	209.27	60.59
		<i>For >1,000, Deduct</i>	-10.46	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	12.27	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	27.00	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	58.90	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	240.61	63.97
		<i>For >1,000, Deduct</i>	-12.03	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	14.92	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	32.83	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	71.63	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	271.94	67.35
		<i>For >1,000, Deduct</i>	-13.60	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	17.57	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	38.66	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	84.35	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	331.94	74.11
		<i>For >1,000, Deduct</i>	-16.60	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	22.61	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	49.74	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	108.51	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	400.33	83.35
		<i>For >1,000, Deduct</i>	-20.02	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	28.13	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	61.88	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	135.00	
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	455.70	95.26
		<i>For >1,000, Deduct</i>	-22.79	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	31.96	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	70.31	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	153.41	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0030	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	564.83	110.50
			<i>For >1,000, Deduct</i>	-28.24	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	40.70	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	89.53	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	195.35	
33 42 11 00-0031	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	644.96	121.76
33 42 11 00-0032	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	783.09	133.02
33 42 11 00-0033	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	936.06	150.41
33 42 11 00-0034	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,013.04	166.78
33 42 11 00-0035	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,299.97	174.97
33 42 11 00-0036	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,507.88	183.16
33 42 11 00-0037			Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0038	EA		12" Concrete Reducing Wye Without Gaskets	616.61	60.97
33 42 11 00-0039	EA		15" Concrete Reducing Wye Without Gaskets	739.33	74.30
33 42 11 00-0040	EA		18" Concrete Reducing Wye Without Gaskets	914.49	81.93
33 42 11 00-0041	EA		21" Concrete Reducing Wye Without Gaskets	1,048.87	100.98
33 42 11 00-0042	EA		24" Concrete Reducing Wye Without Gaskets	1,184.71	121.93
33 42 11 00-0043			Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0044	EA		12" Diameter Concrete Pipe Joint Gasket	5.94	
33 42 11 00-0045	EA		15" Diameter Concrete Pipe Joint Gasket	7.03	
33 42 11 00-0046	EA		18" Diameter Concrete Pipe Joint Gasket	8.15	
33 42 11 00-0047	EA		21" Diameter Concrete Pipe Joint Gasket	9.85	
33 42 11 00-0048	EA		24" Diameter Concrete Pipe Joint Gasket	11.54	
33 42 11 00-0049	EA		27" Diameter Concrete Pipe Joint Gasket	12.85	
33 42 11 00-0050	EA		30" Diameter Concrete Pipe Joint Gasket	14.12	
33 42 11 00-0051	EA		36" Diameter Concrete Pipe Joint Gasket	17.26	
33 42 11 00-0052	EA		42" Diameter Concrete Pipe Joint Gasket	20.00	
33 42 11 00-0053	EA		48" Diameter Concrete Pipe Joint Gasket	23.07	
33 42 11 00-0054	EA		54" Diameter Concrete Pipe Joint Gasket	28.28	
33 42 11 00-0055	EA		60" Diameter Concrete Pipe Joint Gasket	41.86	
33 42 11 00-0056	EA		66" Diameter Concrete Pipe Joint Gasket	43.52	
33 42 11 00-0057	EA		72" Diameter Concrete Pipe Joint Gasket	45.12	
33 42 11 00-0058	EA		78" Diameter Concrete Pipe Joint Gasket	51.96	
33 42 11 00-0059	EA		84" Diameter Concrete Pipe Joint Gasket	62.30	
33 42 11 00-0060			Precast Concrete Cut Off Wall (33 42 11 00-0001)		
33 42 11 00-0061	EA		12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	296.08	180.08
33 42 11 00-0062	EA		15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	364.80	223.05
33 42 11 00-0063	EA		18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	449.90	282.40
33 42 11 00-0064	EA		21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	530.90	337.65
33 42 11 00-0065	EA		24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	609.76	390.76
33 42 11 00-0066	EA		27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	744.08	499.32
33 42 11 00-0067	EA		30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	958.33	687.59
33 42 11 00-0068	EA		36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,190.14	867.67
33 42 11 00-0069	EA		42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,462.23	1,088.48
33 42 11 00-0070	EA		48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,632.80	1,226.81
33 42 11 00-0071	EA		54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,820.62	1,375.19
33 42 11 00-0072	EA		60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,010.19	1,527.64
33 42 11 00-0073	EA		66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,089.40	1,585.97
33 42 11 00-0074	EA		72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,159.11	1,637.12
33 42 11 00-0075	EA		78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,228.84	1,688.29
33 42 11 00-0076	EA		84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,300.87	1,739.44
33 42 11 00-0077			Strap Assembly (33 42 11 00-0001)		
			Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0078	EA		Up To 24" Diameter Pipe, 12' Strap Assembly	243.38	
33 42 11 00-0079	EA		>24" Diameter Pipe, 12' Strap Assembly	344.31	
33 42 11 00-0080			Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0081			150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0080)		
33 42 11 00-0082			150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0081)		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0083	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	138.33	16.01
			<i>For >1,000, Deduct</i>	-6.92	
			<i>For 100 PSI, Deduct</i>	-28.87	
33 42 11 00-0084	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	147.59	17.81
			<i>For >1,000, Deduct</i>	-7.38	
			<i>For 100 PSI, Deduct</i>	-30.54	
33 42 11 00-0085	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	160.57	22.21
			<i>For >1,000, Deduct</i>	-8.03	
			<i>For 100 PSI, Deduct</i>	-32.21	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0086 LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	175.54	28.01
For >1,000, Deduct	-8.78	
For 100 PSI, Deduct	-33.88	
33 42 11 00-0087 LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	190.80	34.01
For >1,000, Deduct	-9.54	
For 100 PSI, Deduct	-35.56	
33 42 11 00-0088 LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	224.31	45.02
For >1,000, Deduct	-11.22	
For 100 PSI, Deduct	-39.81	
33 42 11 00-0089 LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	248.59	51.16
For >1,000, Deduct	-12.43	
For 100 PSI, Deduct	-44.06	
33 42 11 00-0090 LF 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	288.67	56.28
For >1,000, Deduct	-14.43	
For 100 PSI, Deduct	-52.27	
33 42 11 00-0091 LF 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	331.42	62.67
For >1,000, Deduct	-16.57	
For 100 PSI, Deduct	-60.47	
33 42 11 00-0092 LF 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	440.78	82.22
For >1,000, Deduct	-22.04	
For 100 PSI, Deduct	-80.83	
33 42 11 00-0093 LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	531.28	95.37
For >1,000, Deduct	-26.56	
For 100 PSI, Deduct	-98.76	
33 42 11 00-0094 LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	597.03	105.71
For >1,000, Deduct	-29.85	
For 100 PSI, Deduct	-111.68	
33 42 11 00-0095 LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	665.82	115.10
For >1,000, Deduct	-33.29	
For 100 PSI, Deduct	-125.35	
33 42 11 00-0096 LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	756.27	129.19
For >1,000, Deduct	-37.81	
For 100 PSI, Deduct	-142.82	
33 42 11 00-0097 LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	846.73	143.88
For >1,000, Deduct	-42.34	
For 100 PSI, Deduct	-160.30	
33 42 11 00-0098 LF 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,046.04	167.95
For >1,000, Deduct	-52.30	
For 100 PSI, Deduct	-201.32	
33 42 11 00-0099 LF 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,231.22	191.79
For >1,000, Deduct	-61.56	
For 100 PSI, Deduct	-239.31	
33 42 11 00-0100 LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,434.15	206.22
For >1,000, Deduct	-71.71	
For 100 PSI, Deduct	-284.89	
33 42 11 00-0101 LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,619.52	218.99
For >1,000, Deduct	-80.98	
For 100 PSI, Deduct	-326.67	
33 42 11 00-0102 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,956.84	231.76
For >1,000, Deduct	-97.84	
For 100 PSI, Deduct	-406.44	
33 42 11 00-0103 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,277.42	243.45
For >1,000, Deduct	-113.87	
For 100 PSI, Deduct	-482.41	
33 42 11 00-0104 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,482.52	255.14
For >1,000, Deduct	-124.13	
For 100 PSI, Deduct	-529.51	
33 42 11 00-0105 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,690.68	266.83
For >1,000, Deduct	-134.53	
For 100 PSI, Deduct	-577.37	
33 42 11 00-0106 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,897.30	278.52
For >1,000, Deduct	-144.87	
For 100 PSI, Deduct	-624.85	
33 42 11 00-0107 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,103.93	290.21
For >1,000, Deduct	-155.20	
For 100 PSI, Deduct	-672.34	
33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33		
<small>42 11 00-0081)</small>		
33 42 11 00-0109 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	455.05	150.04
33 42 11 00-0110 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	629.24	214.33
33 42 11 00-0111 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	808.60	285.78
33 42 11 00-0112 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	987.95	357.23
33 42 11 00-0113 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,198.73	443.92
33 42 11 00-0114 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,536.18	595.39
33 42 11 00-0115 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,918.40	716.24
33 42 11 00-0116 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,234.09	835.96
33 42 11 00-0117 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,514.70	954.65
33 42 11 00-0118 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,092.86	1,192.03
33 42 11 00-0119 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,101.29	1,644.25
33 42 11 00-0120 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,571.61	1,820.42
33 42 11 00-0121 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,041.95	1,996.60
33 42 11 00-0122 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,081.50	2,290.21
33 42 11 00-0123 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,114.55	2,583.82



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0124 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,426.96	2,936.17
33 42 11 00-0125 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,732.88	3,288.50
33 42 11 00-0126 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,940.62	4,145.91
33 42 11 00-0127 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,131.85	4,975.09
33 42 11 00-0128 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,961.81	6,633.45
33 42 11 00-0129 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,713.28	8,291.82
33 42 11 00-0130 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	29,026.90	8,943.32
33 42 11 00-0131 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	32,344.92	9,594.81
33 42 11 00-0132 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	42,257.73	10,246.31
33 42 11 00-0133 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	39,048.95	10,897.82
33 42 11 00-0134 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33		
<small>42 11 00-0081)</small>		
33 42 11 00-0135 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	424.05	150.04
33 42 11 00-0136 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	589.13	214.33
33 42 11 00-0137 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	761.19	285.78
33 42 11 00-0138 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	933.25	357.23
33 42 11 00-0139 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,136.74	443.92
33 42 11 00-0140 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,451.10	555.38
33 42 11 00-0141 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,821.16	716.24
33 42 11 00-0142 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,121.65	835.96
33 42 11 00-0143 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,393.76	954.65
33 42 11 00-0144 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,920.40	1,192.03
33 42 11 00-0145 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,937.59	1,644.25
33 42 11 00-0146 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,396.05	1,820.42
33 42 11 00-0147 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,854.53	1,996.60
33 42 11 00-0148 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,644.01	2,290.21
33 42 11 00-0149 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,426.99	2,583.82
33 42 11 00-0150 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,559.26	2,936.17
33 42 11 00-0151 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,685.04	3,288.50
33 42 11 00-0152 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,326.53	4,110.63
33 42 11 00-0153 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,092.62	4,975.09
33 42 11 00-0154 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,426.45	6,633.45
33 42 11 00-0155 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,681.77	8,291.82
33 42 11 00-0156 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,327.92	8,943.32
33 42 11 00-0157 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	27,978.47	10,897.82
33 42 11 00-0158 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	30,638.92	10,246.31
33 42 11 00-0159 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	33,619.63	10,897.82
33 42 11 00-0160 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0080)		
33 42 11 00-0161 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11		
<small>00-0160)</small>		
Note: AWWA C301		
33 42 11 00-0162 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	264.28	45.02
For >1,000, Deduct	-13.21	
33 42 11 00-0163 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	322.40	51.16
For >1,000, Deduct	-16.12	
33 42 11 00-0164 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	376.29	56.28
For >1,000, Deduct	-18.81	
33 42 11 00-0165 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular		
Joints (33 42 11 00-0160)		
Note: AWWA C301		
33 42 11 00-0166 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	507.42	62.62
For >1,000, Deduct	-25.37	
33 42 11 00-0167 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	609.71	82.22
For >1,000, Deduct	-30.49	
33 42 11 00-0168 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	702.87	95.37
For >1,000, Deduct	-35.14	
33 42 11 00-0169 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	791.33	105.71
For >1,000, Deduct	-39.57	
33 42 11 00-0170 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	958.65	115.10
For >1,000, Deduct	-47.93	
33 42 11 00-0171 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0160)		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0172 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,397.70	
33 42 11 00-0173 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,575.31	
33 42 11 00-0174 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,664.11	
33 42 11 00-0175 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,019.33	
33 42 11 00-0176 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,108.13	
33 42 11 00-0177 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,285.74	
33 42 11 00-0178 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,374.54	
33 42 11 00-0179 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,463.35	
33 42 11 00-0180 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,440.19	
33 42 11 00-0181 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,440.19	
33 42 11 00-0182 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,061.81	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0183 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,061.81	
33 42 11 00-0184 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,417.03	
33 42 11 00-0185 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,417.03	
33 42 11 00-0186 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,861.05	
33 42 11 00-0187 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,861.05	
33 42 11 00-0188 Quick Test Joints (33 42 11 00-0160)		
33 42 11 00-0189 EA 30" Quick Test Joint.....	609.35	
33 42 11 00-0190 EA 36" Quick Test Joint.....	614.47	
33 42 11 00-0191 EA 42" Quick Test Joint.....	619.59	
33 42 11 00-0192 EA 48" Quick Test Joint.....	631.97	
33 42 11 00-0193 EA 54" Quick Test Joint.....	661.89	
33 42 11 00-0194 EA 60" Quick Test Joint.....	685.74	
33 42 11 00-0195 EA 66" Quick Test Joint.....	721.66	
33 42 11 00-0196 EA 72" Quick Test Joint.....	757.61	
33 42 11 00-0197 Harnessed Joints (33 42 11 00-0160)		
33 42 11 00-0198 Harness Clamp Restrained Joints (33 42 11 00-0197)		
33 42 11 00-0199 EA 30" Harness Clamp Restrained Joint.....	4,033.32	
33 42 11 00-0200 EA 36" Harness Clamp Restrained Joint.....	4,190.42	
33 42 11 00-0201 EA 42" Harness Clamp Restrained Joint.....	4,347.52	
33 42 11 00-0202 EA 48" Harness Clamp Restrained Joint.....	4,504.62	
33 42 11 00-0203 EA 54" Harness Clamp Restrained Joint.....	4,676.84	
33 42 11 00-0204 EA 60" Harness Clamp Restrained Joint.....	4,916.56	
33 42 11 00-0205 EA 66" Harness Clamp Restrained Joint.....	5,080.27	
33 42 11 00-0206 EA 72" Harness Clamp Restrained Joint.....	5,441.57	
33 42 11 00-0207 Snap Ring Restrained Joints (33 42 11 00-0197)		
33 42 11 00-0208 EA 30" Snap Ring Restrained Joint.....	689.77	
33 42 11 00-0209 EA 36" Snap Ring Restrained Joint.....	786.08	
33 42 11 00-0210 EA 42" Snap Ring Restrained Joint.....	1,049.56	
33 42 11 00-0211 EA 48" Snap Ring Restrained Joint.....	1,191.46	
33 42 11 00-0212 EA 54" Snap Ring Restrained Joint.....	1,348.49	
33 42 11 00-0213 EA 60" Snap Ring Restrained Joint.....	1,527.41	
33 42 11 00-0214 EA 66" Snap Ring Restrained Joint.....	1,691.12	
33 42 11 00-0215 EA 72" Snap Ring Restrained Joint.....	1,885.25	
33 42 11 00-0216 Pipe Repairs (33 42 11 00-0160)		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0217 Lined Cylinder Pipe Repair (33 42 11 00-0216)		
33 42 11 00-0218 EA 30" Lined Cylinder Pipe Repair.....	7,311.07	
33 42 11 00-0219 EA 36" Lined Cylinder Pipe Repair.....	9,076.47	
33 42 11 00-0220 EA 42" Lined Cylinder Pipe Repair.....	10,094.16	
33 42 11 00-0221 Embedded Cylinder Pipe Repair (33 42 11 00-0216)		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0222 EA 48" Embedded Cylinder Pipe Repair.....	15,133.02	
33 42 11 00-0223 EA 54" Embedded Cylinder Pipe Repair.....	17,588.05	
33 42 11 00-0224 EA 60" Embedded Cylinder Pipe Repair.....	20,060.14	
33 42 11 00-0225 EA 66" Embedded Cylinder Pipe Repair.....	22,665.69	
33 42 11 00-0226 EA 72" Embedded Cylinder Pipe Repair.....	27,305.71	
33 42 11 00-0227 High Density Polyethylene (HDPE) Drainage Piping (33 42 11)		
33 42 11 00-0228 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0227)		
Note: Excludes couplings and gaskets.		
33 42 11 00-0229 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0228)		
33 42 11 00-0230 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.43	6.71
For <100, Add	2.68	
For >1,000, Deduct	-1.44	
33 42 11 00-0231 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.71	7.80
For <100, Add	3.12	
For >1,000, Deduct	-1.82	
33 42 11 00-0232 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.78	9.08
For <100, Add	3.63	
For >1,000, Deduct	-2.20	
33 42 11 00-0233 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.81	9.40
For <100, Add	3.76	
For >1,000, Deduct	-2.43	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0234 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	31.42 3.89 -2.54	9.72
33 42 11 00-0235 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	36.19 4.03 -2.82	10.07
33 42 11 00-0236 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	44.80 4.17 -3.28	10.43
33 42 11 00-0237 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	62.57 4.89 -4.35	12.23
33 42 11 00-0238 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	89.23 6.58 -6.11	16.45
33 42 11 00-0239 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	117.73 8.32 -7.97	20.80
33 42 11 00-0240 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0228)		
33 42 11 00-0241 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	31.21 3.89 -2.53	9.72
33 42 11 00-0242 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	37.03 4.03 -2.86	10.07
33 42 11 00-0243 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	46.07 4.17 -3.35	10.43
33 42 11 00-0244 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	64.57 4.89 -4.45	12.23
33 42 11 00-0245 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	94.72 6.58 -6.38	16.45
33 42 11 00-0246 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	121.81 8.32 -8.17	20.80
33 42 11 00-0247 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	161.18 9.08 -10.33	22.69
33 42 11 00-0248 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	175.30 10.24 -11.33	25.60
33 42 11 00-0249 Perforated, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0227) Note: Excludes couplings and gaskets.		
33 42 11 00-0250 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0249)		
33 42 11 00-0251 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	16.48 2.68 -1.50	6.71
33 42 11 00-0252 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	20.75 3.12 -1.82	7.80
33 42 11 00-0253 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	25.78 3.63 -2.20	9.08
33 42 11 00-0254 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	29.84 3.76 -2.43	9.40
33 42 11 00-0255 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	31.42 3.89 -2.54	9.72
33 42 11 00-0256 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	36.22 4.03 -2.82	10.07
33 42 11 00-0257 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	44.84 4.17 -3.29	10.43
33 42 11 00-0258 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	62.57 4.89 -4.35	12.23
33 42 11 00-0259 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	89.58 6.58 -6.13	16.45
33 42 11 00-0260 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	117.73 8.32 -7.97	20.80

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0261		Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0249)		
33 42 11 00-0262	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.24	9.72
		For <100, Add	3.89	
		For >1,000, Deduct	-2.53	
33 42 11 00-0263	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	37.07	10.07
		For <100, Add	4.03	
		For >1,000, Deduct	-2.86	
33 42 11 00-0264	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	46.10	10.43
		For <100, Add	4.17	
		For >1,000, Deduct	-3.35	
33 42 11 00-0265	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	64.57	12.23
		For <100, Add	4.89	
		For >1,000, Deduct	-4.45	
33 42 11 00-0266	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	94.72	16.45
		For <100, Add	6.58	
		For >1,000, Deduct	-6.38	
33 42 11 00-0267	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	121.81	20.80
		For <100, Add	8.32	
		For >1,000, Deduct	-8.17	
33 42 11 00-0268	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	161.18	22.69
		For <100, Add	9.08	
		For >1,000, Deduct	-10.33	
33 42 11 00-0269	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	175.30	25.60
		For <100, Add	10.24	
		For >1,000, Deduct	-11.33	
33 42 11 00-0270		Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0227) Note: Excludes couplings and gaskets.		
33 42 11 00-0271		Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0270)		
33 42 11 00-0272	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	74.07	26.39
33 42 11 00-0273	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	93.42	30.79
33 42 11 00-0274	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	152.65	37.39
33 42 11 00-0275	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	234.44	46.20
33 42 11 00-0276	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	372.54	55.00
33 42 11 00-0277	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	526.64	71.86
33 42 11 00-0278	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	758.33	96.78
33 42 11 00-0279	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	973.96	110.47
33 42 11 00-0280	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,711.28	127.59
33 42 11 00-0281	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,200.25	147.38
33 42 11 00-0282	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	3,673.07	175.97
33 42 11 00-0283	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	4,612.06	208.98
33 42 11 00-0284		Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0270)		
33 42 11 00-0285	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	110.36	26.39
33 42 11 00-0286	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	133.24	30.79
33 42 11 00-0287	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	177.78	37.39
33 42 11 00-0288	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	262.15	46.20
33 42 11 00-0289	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	461.69	55.00
33 42 11 00-0290	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	499.29	71.86
33 42 11 00-0291	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	705.12	96.78
33 42 11 00-0292		22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0270)		
33 42 11 00-0293	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	44.83	17.60
33 42 11 00-0294	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	55.49	20.53
33 42 11 00-0295	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	81.64	24.93
33 42 11 00-0296	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	102.83	30.79
33 42 11 00-0297	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	150.30	36.66
33 42 11 00-0298	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	238.98	46.93
33 42 11 00-0299	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	316.40	64.53
33 42 11 00-0300	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	607.23	73.32
33 42 11 00-0301	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	846.06	85.05
33 42 11 00-0302	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	991.66	98.25
33 42 11 00-0303	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,268.45	117.31
33 42 11 00-0304	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,717.44	139.32



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 42 11 00-0305	45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0270)</small>	
33 42 11 00-0306	EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	48.80 17.60
33 42 11 00-0307	EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	63.76 20.53
33 42 11 00-0308	EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	85.87 24.93
33 42 11 00-0309	EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	137.18 30.79
33 42 11 00-0310	EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	150.30 36.66
33 42 11 00-0311	EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	238.29 46.93
33 42 11 00-0312	EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	371.79 64.53
33 42 11 00-0313	EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	650.03 73.32
33 42 11 00-0314	EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	848.09 85.05
33 42 11 00-0315	EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,083.89 98.25
33 42 11 00-0316	EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,624.43 117.31
33 42 11 00-0317	EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,036.51 139.32

33 42 11 00-0318 Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0227)

Note: For single and double wall high density polyethylene (HDPE) piping.

33 42 11 00-0319	Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0318)</small>	
33 42 11 00-0320	EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.37
33 42 11 00-0321	EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.25
33 42 11 00-0322	EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	6.54
33 42 11 00-0323	EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	8.04
33 42 11 00-0324	EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	8.65
33 42 11 00-0325	EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	12.31
33 42 11 00-0326	EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	18.22
33 42 11 00-0327	EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	29.01
33 42 11 00-0328	EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	44.53
33 42 11 00-0329	EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	58.27
33 42 11 00-0330	EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	91.60
33 42 11 00-0331	EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	123.89

33 42 11 00-0332 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0318)

33 42 11 00-0333	EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	125.44
33 42 11 00-0334	EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	131.34
33 42 11 00-0335	EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	137.52
33 42 11 00-0336	EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	143.99
33 42 11 00-0337	EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	170.78
33 42 11 00-0338	EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	176.33
33 42 11 00-0339	EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	183.91
33 42 11 00-0340	EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	209.48
33 42 11 00-0341	EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	335.81
33 42 11 00-0342	EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	367.82
33 42 11 00-0343	EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	400.77
33 42 11 00-0344	EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	486.74

33 42 11 00-0345 End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0318)

33 42 11 00-0346	EA 6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	33.13
33 42 11 00-0347	EA 8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	38.92
33 42 11 00-0348	EA 10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	63.17
33 42 11 00-0349	EA 12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	107.58
33 42 11 00-0350	EA 15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	125.19
33 42 11 00-0351	EA 18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	169.28
33 42 11 00-0352	EA 24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	175.39

33 42 11 00-0353 Vitrified Clay Piping (33 42 11)

33 42 11 00-0354 Extra Strength Vitrified Clay Piping (33 42 11 00-0353)

33 42 11 00-0355 Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0354)

Note: ASTM C700.

33 42 11 00-0356	LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	22.27
	For 3' Lengths, Add	1.83
	For 2' Lengths, Add	2.44
	For Standard Strength, Deduct	-0.61
	For >1,000, Deduct	-1.11
33 42 11 00-0357	LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	37.04
	For 3' Lengths, Add	2.84
	For 2' Lengths, Add	3.79
	For Standard Strength, Deduct	-0.95
	For >1,000, Deduct	-1.85

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0358 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe	44.17	
For 3' Lengths, Add	4.07	
For 2' Lengths, Add	5.42	
For Standard Strength, Deduct	-1.36	
For >1,000, Deduct	-2.21	
33 42 11 00-0359 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe	53.08	
For 3' Lengths, Add	6.23	
For 2' Lengths, Add	8.30	
For Standard Strength, Deduct	-2.08	
For >1,000, Deduct	-2.65	
33 42 11 00-0360 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe	64.57	
For 3' Lengths, Add	8.79	
For 2' Lengths, Add	11.72	
For Standard Strength, Deduct	-2.93	
For >1,000, Deduct	-3.23	
33 42 11 00-0361 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe	94.18	
For 3' Lengths, Add	16.48	
For 2' Lengths, Add	21.98	
For Standard Strength, Deduct	-5.49	
For >1,000, Deduct	-4.71	
33 42 11 00-0362 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe	127.70	
For 3' Lengths, Add	23.63	
For 2' Lengths, Add	31.50	
For Standard Strength, Deduct	-7.88	
For >1,000, Deduct	-6.39	
33 42 11 00-0363 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe	187.89	
For 3' Lengths, Add	37.85	
For 2' Lengths, Add	50.46	
For Standard Strength, Deduct	-12.62	
For >1,000, Deduct	-9.39	
33 42 11 00-0364 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe	239.77	
For 3' Lengths, Add	49.45	
For 2' Lengths, Add	65.93	
For Standard Strength, Deduct	-16.48	
For >1,000, Deduct	-11.99	
33 42 11 00-0365 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe	296.52	
For 3' Lengths, Add	61.65	
For 2' Lengths, Add	82.20	
For Standard Strength, Deduct	-20.55	
For >1,000, Deduct	-14.83	
33 42 11 00-0366 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe	358.76	
For 3' Lengths, Add	74.47	
For 2' Lengths, Add	99.30	
For Standard Strength, Deduct	-24.82	
For >1,000, Deduct	-17.94	
33 42 11 00-0367 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0354)		
Note: ASTM C425.		
33 42 11 00-0368 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe	31.70	
For 3' Lengths, Add	2.16	
For 2' Lengths, Add	2.88	
For Standard Strength, Deduct	-0.72	
For >1,000, Deduct	-1.59	
33 42 11 00-0369 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe	39.32	
For 3' Lengths, Add	3.53	
For 2' Lengths, Add	4.70	
For Standard Strength, Deduct	-1.18	
For >1,000, Deduct	-1.97	
33 42 11 00-0370 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe	47.22	
For 3' Lengths, Add	4.98	
For 2' Lengths, Add	6.64	
For Standard Strength, Deduct	-1.66	
For >1,000, Deduct	-2.36	
33 42 11 00-0371 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe	59.60	
For 3' Lengths, Add	8.18	
For 2' Lengths, Add	10.91	
For Standard Strength, Deduct	-2.73	
For >1,000, Deduct	-2.98	
33 42 11 00-0372 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe	71.08	
For 3' Lengths, Add	10.74	
For 2' Lengths, Add	14.32	
For Standard Strength, Deduct	-3.58	
For >1,000, Deduct	-3.55	
33 42 11 00-0373 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe	104.56	
For 3' Lengths, Add	19.60	
For 2' Lengths, Add	26.13	
For Standard Strength, Deduct	-6.53	
For >1,000, Deduct	-5.23	
33 42 11 00-0374 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe	144.58	
For 3' Lengths, Add	28.69	
For 2' Lengths, Add	38.25	
For Standard Strength, Deduct	-9.56	
For >1,000, Deduct	-7.23	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0375	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	207.22	
			<i>For 3' Lengths, Add</i>	43.65	
			<i>For 2' Lengths, Add</i>	58.20	
			<i>For Standard Strength, Deduct</i>	-14.55	
			<i>For >1,000, Deduct</i>	-10.36	
33 42 11 00-0376	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	270.29	
			<i>For 3' Lengths, Add</i>	58.60	
			<i>For 2' Lengths, Add</i>	78.14	
			<i>For Standard Strength, Deduct</i>	-19.53	
			<i>For >1,000, Deduct</i>	-13.51	
33 42 11 00-0377	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	430.82	
			<i>For 3' Lengths, Add</i>	101.94	
			<i>For 2' Lengths, Add</i>	135.92	
			<i>For Standard Strength, Deduct</i>	-33.98	
			<i>For >1,000, Deduct</i>	-21.54	
33 42 11 00-0378	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	611.07	
			<i>For 3' Lengths, Add</i>	150.17	
			<i>For 2' Lengths, Add</i>	200.22	
			<i>For Standard Strength, Deduct</i>	-50.06	
			<i>For >1,000, Deduct</i>	-30.55	
33 42 11 00-0379			Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0353)		
33 42 11 00-0380			1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0379)		
33 42 11 00-0381			Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0380)		
33 42 11 00-0382	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	92.07	
33 42 11 00-0383	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	123.93	
33 42 11 00-0384	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	176.22	
33 42 11 00-0385	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	241.97	
33 42 11 00-0386	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	318.67	
33 42 11 00-0387	EA		15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	753.44	
33 42 11 00-0388	EA		18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,061.58	
33 42 11 00-0389	EA		21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,653.87	
33 42 11 00-0390	EA		24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,909.44	
33 42 11 00-0391	EA		30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,218.41	
33 42 11 00-0392	EA		36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,321.88	
33 42 11 00-0393			Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0380)		
33 42 11 00-0394	EA		4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	104.29	
33 42 11 00-0395	EA		6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	147.55	
33 42 11 00-0396	EA		8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	199.10	
33 42 11 00-0397	EA		10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	266.73	
33 42 11 00-0398	EA		12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	337.65	
33 42 11 00-0399	EA		15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	845.73	
33 42 11 00-0400	EA		18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,228.69	
33 42 11 00-0401	EA		21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,265.52	
33 42 11 00-0402	EA		24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,444.24	
33 42 11 00-0403	EA		30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,724.19	
33 42 11 00-0404	EA		36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,038.39	
33 42 11 00-0405			1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0379)		
33 42 11 00-0406			Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0405)		
33 42 11 00-0407	EA		4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	108.25	
33 42 11 00-0408	EA		6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	143.41	
33 42 11 00-0409	EA		8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	199.01	
33 42 11 00-0410	EA		10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	267.02	
33 42 11 00-0411	EA		12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	346.89	
33 42 11 00-0412	EA		15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	784.83	
33 42 11 00-0413	EA		18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,100.73	
33 42 11 00-0414	EA		21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,703.25	
33 42 11 00-0415	EA		24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,969.41	
33 42 11 00-0416	EA		30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,293.18	
33 42 11 00-0417	EA		36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,405.00	
33 42 11 00-0418			Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0405)		
33 42 11 00-0419	EA		4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	123.69	
33 42 11 00-0420	EA		6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	170.92	
33 42 11 00-0421	EA		8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	226.45	
33 42 11 00-0422	EA		10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	296.77	
33 42 11 00-0423	EA		12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	371.50	
33 42 11 00-0424	EA		15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	883.40	
33 42 11 00-0425	EA		18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,275.68	
33 42 11 00-0426	EA		21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,465.40	
33 42 11 00-0427	EA		24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,516.19	
33 42 11 00-0428	EA		30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,813.92	
33 42 11 00-0429	EA		36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	4,138.13	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0430			Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0379)		
33 42 11 00-0431			Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0430)		
33 42 11 00-0432	EA		4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	119.58	
33 42 11 00-0433	EA		6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	155.57	
33 42 11 00-0434	EA		8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	210.23	
33 42 11 00-0435	EA		10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	277.70	
33 42 11 00-0436	EA		12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	349.75	
33 42 11 00-0437	EA		15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	795.02	
33 42 11 00-0438	EA		18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,110.72	
33 42 11 00-0439	EA		21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,602.06	
33 42 11 00-0440	EA		24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,226.04	
33 42 11 00-0441	EA		30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,360.31	
33 42 11 00-0442	EA		36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,385.22	
33 42 11 00-0443			Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0430)		
33 42 11 00-0444	EA		4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	145.98	
33 42 11 00-0445	EA		6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	199.13	
33 42 11 00-0446	EA		8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	261.10	
33 42 11 00-0447	EA		10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	337.87	
33 42 11 00-0448	EA		12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	420.11	
33 42 11 00-0449	EA		15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	966.87	
33 42 11 00-0450	EA		18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,390.65	
33 42 11 00-0451	EA		21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,060.55	
33 42 11 00-0452	EA		24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,727.42	
33 42 11 00-0453	EA		30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,157.41	
33 42 11 00-0454	EA		36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,471.59	
33 42 11 00-0455			Corrugated Metal Piping (33 42 11)		
33 42 11 00-0456			Galvanized Corrugated Steel Piping (33 42 11 00-0455)		
33 42 11 00-0457			2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0458			16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0457)		
33 42 11 00-0459	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	36.01	10.00
			For Bituminous Coated Pipe, Add	3.69	
			For Bituminous Coated And 25% Paved, Add	7.54	
			For Smooth-Flo, Add	13.46	
33 42 11 00-0460	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.70	10.48
			For Bituminous Coated Pipe, Add	4.64	
			For Bituminous Coated And 25% Paved, Add	9.49	
			For Smooth-Flo, Add	16.96	
33 42 11 00-0461	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.54	11.43
			For Bituminous Coated Pipe, Add	5.62	
			For Bituminous Coated And 25% Paved, Add	11.50	
			For Smooth-Flo, Add	20.54	
33 42 11 00-0462	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	51.86	12.39
			For Bituminous Coated Pipe, Add	6.73	
			For Bituminous Coated And 25% Paved, Add	13.76	
			For Smooth-Flo, Add	24.57	
33 42 11 00-0463	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.40	13.33
			For Bituminous Coated Pipe, Add	7.57	
			For Bituminous Coated And 25% Paved, Add	15.48	
			For Smooth-Flo, Add	27.64	
33 42 11 00-0464	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	75.75	17.14
			For Bituminous Coated Pipe, Add	9.82	
			For Bituminous Coated And 25% Paved, Add	20.08	
			For Smooth-Flo, Add	35.86	
33 42 11 00-0465	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	98.93	22.51
			For Bituminous Coated Pipe, Add	12.39	
			For Bituminous Coated And 25% Paved, Add	25.33	
			For Smooth-Flo, Add	45.24	
33 42 11 00-0466	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	112.65	26.60
			For Bituminous Coated Pipe, Add	14.66	
			For Bituminous Coated And 25% Paved, Add	29.98	
			For Smooth-Flo, Add	53.54	
33 42 11 00-0467	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	126.59	30.70
			For Bituminous Coated Pipe, Add	16.41	
			For Bituminous Coated And 25% Paved, Add	33.58	
			For Smooth-Flo, Add	59.96	
33 42 11 00-0468			14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0457)		
33 42 11 00-0469	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	39.31	10.00
			For Bituminous Coated Pipe, Add	3.74	
			For Bituminous Coated And 25% Paved, Add	8.67	
			For Smooth-Flo, Add	17.53	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0470 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	44.75	10.48
For Bituminous Coated Pipe, Add	4.69	
For Bituminous Coated And 25% Paved, Add	10.87	
For Smooth-Flo, Add	21.98	
33 42 11 00-0471 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	50.44	11.43
For Bituminous Coated Pipe, Add	5.68	
For Bituminous Coated And 25% Paved, Add	13.16	
For Smooth-Flo, Add	26.61	
33 42 11 00-0472 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.53	12.39
For Bituminous Coated Pipe, Add	6.76	
For Bituminous Coated And 25% Paved, Add	15.66	
For Smooth-Flo, Add	31.65	
33 42 11 00-0473 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	63.99	13.33
For Bituminous Coated Pipe, Add	7.65	
For Bituminous Coated And 25% Paved, Add	17.72	
For Smooth-Flo, Add	35.82	
33 42 11 00-0474 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	83.79	17.14
For Bituminous Coated Pipe, Add	9.82	
For Bituminous Coated And 25% Paved, Add	22.75	
For Smooth-Flo, Add	45.99	
33 42 11 00-0475 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	108.69	22.51
For Bituminous Coated Pipe, Add	12.31	
For Bituminous Coated And 25% Paved, Add	28.52	
For Smooth-Flo, Add	57.65	
33 42 11 00-0476 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	123.82	26.60
For Bituminous Coated Pipe, Add	14.49	
For Bituminous Coated And 25% Paved, Add	33.57	
For Smooth-Flo, Add	67.86	
33 42 11 00-0477 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	139.37	30.70
For Bituminous Coated Pipe, Add	16.28	
For Bituminous Coated And 25% Paved, Add	37.73	
For Smooth-Flo, Add	76.26	
33 42 11 00-0478 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	166.55	34.79
For Bituminous Coated Pipe, Add	20.03	
For Bituminous Coated And 25% Paved, Add	46.40	
For Smooth-Flo, Add	93.79	
33 42 11 00-0479 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping^{cs}		
<small>42 11 00-0457)</small>		
33 42 11 00-0480 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	60.59	11.43
For Bituminous Coated Pipe, Add	6.51	
For Bituminous Coated And 25% Paved, Add	11.75	
For Smooth-Flo, Add	22.59	
33 42 11 00-0481 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.31	12.39
For Bituminous Coated Pipe, Add	7.69	
For Bituminous Coated And 25% Paved, Add	13.89	
For Smooth-Flo, Add	26.69	
33 42 11 00-0482 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	77.42	12.39
For Bituminous Coated Pipe, Add	8.72	
For Bituminous Coated And 25% Paved, Add	15.75	
For Smooth-Flo, Add	30.26	
33 42 11 00-0483 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	100.41	17.14
For Bituminous Coated Pipe, Add	11.09	
For Bituminous Coated And 25% Paved, Add	20.03	
For Smooth-Flo, Add	38.49	
33 42 11 00-0484 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	128.40	22.51
For Bituminous Coated Pipe, Add	13.71	
For Bituminous Coated And 25% Paved, Add	24.76	
For Smooth-Flo, Add	47.58	
33 42 11 00-0485 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	146.60	26.60
For Bituminous Coated Pipe, Add	16.07	
For Bituminous Coated And 25% Paved, Add	29.01	
For Smooth-Flo, Add	55.76	
33 42 11 00-0486 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	165.48	30.70
For Bituminous Coated Pipe, Add	18.14	
For Bituminous Coated And 25% Paved, Add	32.76	
For Smooth-Flo, Add	62.96	
33 42 11 00-0487 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	195.37	34.79
For Bituminous Coated Pipe, Add	21.75	
For Bituminous Coated And 25% Paved, Add	39.28	
For Smooth-Flo, Add	75.50	
33 42 11 00-0488 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	213.60	36.83
For Bituminous Coated Pipe, Add	23.82	
For Bituminous Coated And 25% Paved, Add	43.02	
For Smooth-Flo, Add	82.68	
33 42 11 00-0489 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	258.76	45.02
For Bituminous Coated Pipe, Add	29.00	
For Bituminous Coated And 25% Paved, Add	52.37	
For Smooth-Flo, Add	100.65	
33 42 11 00-0490 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping^{cs}		
<small>42 11 00-0457)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0491 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	146.85 17.44 29.14 41.57	22.51
33 42 11 00-0492 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	168.19 20.43 34.13 48.70	26.60
33 42 11 00-0493 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	189.98 23.09 38.58 55.05	30.70
33 42 11 00-0494 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	222.82 27.35 45.69 65.19	34.79
33 42 11 00-0495 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	244.14 30.04 50.18 71.60	36.83
33 42 11 00-0496 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.33 35.93 60.03 85.65	45.02
33 42 11 00-0497 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	349.44 38.58 64.45 91.96	65.48
33 42 11 00-0498 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0499 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0498)		
33 42 11 00-0500 LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	115.85 13.62 30.92 61.56	22.51
33 42 11 00-0501 LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	132.05 15.99 36.30 72.28	26.60
33 42 11 00-0502 LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	148.45 17.94 40.72 81.08	30.70
33 42 11 00-0503 LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.96 21.91 49.74 99.03	34.79
33 42 11 00-0504 LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	192.81 23.87 54.18 107.89	36.83
33 42 11 00-0505 LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	241.46 30.66 69.60 138.58	45.02
33 42 11 00-0506 LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	293.63 32.68 74.19 147.72	65.48
33 42 11 00-0507 LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.80 34.71 78.79 156.89	71.62
33 42 11 00-0508 LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.18 36.74 83.40 166.06	76.74
33 42 11 00-0509 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.60 38.78 88.02 175.27	81.85
33 42 11 00-0510 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	378.67 40.80 92.61 184.40	86.97
33 42 11 00-0511 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	402.68 42.84 97.25 193.64	92.09
33 42 11 00-0512 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0498)		



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0513 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	194.23	34.79
For Bituminous Coated Pipe, Add	25.36	
For Bituminous Coated And 25% Paved, Add	49.71	
For Smooth-Flo, Add	100.44	
33 42 11 00-0514 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	211.91	36.83
For Bituminous Coated Pipe, Add	27.69	
For Bituminous Coated And 25% Paved, Add	54.27	
For Smooth-Flo, Add	109.65	
33 42 11 00-0515 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	262.48	45.02
For Bituminous Coated Pipe, Add	34.86	
For Bituminous Coated And 25% Paved, Add	68.33	
For Smooth-Flo, Add	138.06	
33 42 11 00-0516 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	316.52	65.48
For Bituminous Coated Pipe, Add	37.26	
For Bituminous Coated And 25% Paved, Add	73.03	
For Smooth-Flo, Add	147.55	
33 42 11 00-0517 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	341.53	71.62
For Bituminous Coated Pipe, Add	39.66	
For Bituminous Coated And 25% Paved, Add	77.73	
For Smooth-Flo, Add	157.04	
33 42 11 00-0518 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	363.86	76.74
For Bituminous Coated Pipe, Add	42.08	
For Bituminous Coated And 25% Paved, Add	82.47	
For Smooth-Flo, Add	166.62	
33 42 11 00-0519 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	386.08	81.85
For Bituminous Coated Pipe, Add	44.47	
For Bituminous Coated And 25% Paved, Add	87.17	
For Smooth-Flo, Add	176.11	
33 42 11 00-0520 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	409.03	86.97
For Bituminous Coated Pipe, Add	46.87	
For Bituminous Coated And 25% Paved, Add	91.86	
For Smooth-Flo, Add	185.60	
33 42 11 00-0521 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	434.88	92.09
For Bituminous Coated Pipe, Add	49.28	
For Bituminous Coated And 25% Paved, Add	96.59	
For Smooth-Flo, Add	195.15	
33 42 11 00-0522 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	463.09	102.32
For Bituminous Coated Pipe, Add	51.69	
For Bituminous Coated And 25% Paved, Add	101.31	
For Smooth-Flo, Add	204.69	
33 42 11 00-0523 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	490.66	112.55
For Bituminous Coated Pipe, Add	54.06	
For Bituminous Coated And 25% Paved, Add	105.95	
For Smooth-Flo, Add	214.06	
33 42 11 00-0524 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-		
0498)		
33 42 11 00-0525 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	254.29	36.83
For Bituminous Coated Pipe, Add	36.17	
For Bituminous Coated And 25% Paved, Add	68.90	
For Smooth-Flo, Add	112.30	
33 42 11 00-0526 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	309.41	45.02
For Bituminous Coated Pipe, Add	44.25	
For Bituminous Coated And 25% Paved, Add	84.30	
For Smooth-Flo, Add	137.40	
33 42 11 00-0527 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	367.54	65.48
For Bituminous Coated Pipe, Add	47.46	
For Bituminous Coated And 25% Paved, Add	90.42	
For Smooth-Flo, Add	147.38	
33 42 11 00-0528 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	396.69	71.62
For Bituminous Coated Pipe, Add	50.69	
For Bituminous Coated And 25% Paved, Add	96.56	
For Smooth-Flo, Add	157.39	
33 42 11 00-0529 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	423.11	76.74
For Bituminous Coated Pipe, Add	53.93	
For Bituminous Coated And 25% Paved, Add	102.73	
For Smooth-Flo, Add	167.44	
33 42 11 00-0530 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	449.47	81.85
For Bituminous Coated Pipe, Add	57.15	
For Bituminous Coated And 25% Paved, Add	108.87	
For Smooth-Flo, Add	177.45	
33 42 11 00-0531 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	476.59	86.97
For Bituminous Coated Pipe, Add	60.38	
For Bituminous Coated And 25% Paved, Add	115.02	
For Smooth-Flo, Add	187.48	
33 42 11 00-0532 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	506.57	92.09
For Bituminous Coated Pipe, Add	63.62	
For Bituminous Coated And 25% Paved, Add	121.19	
For Smooth-Flo, Add	197.53	
33 42 11 00-0533 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	538.85	102.32
For Bituminous Coated Pipe, Add	66.84	
For Bituminous Coated And 25% Paved, Add	127.33	
For Smooth-Flo, Add	207.54	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0534 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	570.59	112.55
For Bituminous Coated Pipe, Add	70.04	
For Bituminous Coated And 25% Paved, Add	133.43	
For Smooth-Flo, Add	217.48	
33 42 11 00-0535 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	601.23	122.78
For Bituminous Coated Pipe, Add	73.28	
For Bituminous Coated And 25% Paved, Add	139.60	
For Smooth-Flo, Add	227.53	
33 42 11 00-0536 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0498)		
33 42 11 00-0537 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	415.12	65.48
For Bituminous Coated Pipe, Add	56.98	
For Bituminous Coated And 25% Paved, Add	108.26	
For Smooth-Flo, Add	144.73	
33 42 11 00-0538 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	448.17	71.62
For Bituminous Coated Pipe, Add	60.98	
For Bituminous Coated And 25% Paved, Add	115.87	
For Smooth-Flo, Add	154.90	
33 42 11 00-0539 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	478.50	76.74
For Bituminous Coated Pipe, Add	65.00	
For Bituminous Coated And 25% Paved, Add	123.51	
For Smooth-Flo, Add	165.11	
33 42 11 00-0540 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	508.76	81.85
For Bituminous Coated Pipe, Add	69.01	
For Bituminous Coated And 25% Paved, Add	131.12	
For Smooth-Flo, Add	175.28	
33 42 11 00-0541 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	539.79	86.97
For Bituminous Coated Pipe, Add	73.02	
For Bituminous Coated And 25% Paved, Add	138.74	
For Smooth-Flo, Add	185.47	
33 42 11 00-0542 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	573.67	92.09
For Bituminous Coated Pipe, Add	77.04	
For Bituminous Coated And 25% Paved, Add	146.37	
For Smooth-Flo, Add	195.68	
33 42 11 00-0543 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	609.85	102.32
For Bituminous Coated Pipe, Add	81.04	
For Bituminous Coated And 25% Paved, Add	153.98	
For Smooth-Flo, Add	205.85	
33 42 11 00-0544 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	645.46	112.55
For Bituminous Coated Pipe, Add	85.02	
For Bituminous Coated And 25% Paved, Add	161.53	
For Smooth-Flo, Add	215.94	
33 42 11 00-0545 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	680.04	122.78
For Bituminous Coated Pipe, Add	89.04	
For Bituminous Coated And 25% Paved, Add	169.18	
For Smooth-Flo, Add	226.17	
33 42 11 00-0546 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	716.46	133.02
For Bituminous Coated Pipe, Add	93.03	
For Bituminous Coated And 25% Paved, Add	176.76	
For Smooth-Flo, Add	236.30	
33 42 11 00-0547 LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	755.53	143.25
For Bituminous Coated Pipe, Add	97.05	
For Bituminous Coated And 25% Paved, Add	184.40	
For Smooth-Flo, Add	246.51	
33 42 11 00-0548 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	797.72	153.48
For Bituminous Coated Pipe, Add	101.08	
For Bituminous Coated And 25% Paved, Add	192.04	
For Smooth-Flo, Add	256.73	
33 42 11 00-0549 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0550 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0549)		
33 42 11 00-0551 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	148.94	30.70
For Bituminous Coated Pipe, Add	22.55	
For Bituminous Coated And 25% Paved, Add	51.40	
For Smooth-Flo, Add	81.61	
33 42 11 00-0552 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	177.92	34.79
For Bituminous Coated Pipe, Add	27.63	
For Bituminous Coated And 25% Paved, Add	62.99	
For Smooth-Flo, Add	100.01	
33 42 11 00-0553 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	193.65	36.83
For Bituminous Coated Pipe, Add	30.05	
For Bituminous Coated And 25% Paved, Add	68.51	
For Smooth-Flo, Add	108.77	
33 42 11 00-0554 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	239.47	45.02
For Bituminous Coated Pipe, Add	37.83	
For Bituminous Coated And 25% Paved, Add	86.25	
For Smooth-Flo, Add	136.94	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0555	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	291.41	65.48
			<i>For Bituminous Coated Pipe, Add</i>	40.30	
			<i>For Bituminous Coated And 25% Paved, Add</i>	91.88	
			<i>For Smooth-Flo, Add</i>	145.88	
33 42 11 00-0556	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	314.28	71.62
			<i>For Bituminous Coated Pipe, Add</i>	42.76	
			<i>For Bituminous Coated And 25% Paved, Add</i>	97.49	
			<i>For Smooth-Flo, Add</i>	154.78	
33 42 11 00-0557	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	334.31	76.74
			<i>For Bituminous Coated Pipe, Add</i>	45.21	
			<i>For Bituminous Coated And 25% Paved, Add</i>	103.07	
			<i>For Smooth-Flo, Add</i>	163.65	
33 42 11 00-0558	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	354.31	81.85
			<i>For Bituminous Coated Pipe, Add</i>	47.65	
			<i>For Bituminous Coated And 25% Paved, Add</i>	108.64	
			<i>For Smooth-Flo, Add</i>	172.48	
33 42 11 00-0559	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	375.19	86.97
			<i>For Bituminous Coated Pipe, Add</i>	50.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	114.29	
			<i>For Smooth-Flo, Add</i>	181.45	
33 42 11 00-0560	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	399.12	92.09
			<i>For Bituminous Coated Pipe, Add</i>	52.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	120.06	
			<i>For Smooth-Flo, Add</i>	190.63	
33 42 11 00-0561			14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
			Piping <small>(33 42 11 00-0549)</small>		
33 42 11 00-0562	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	199.51	34.79
			<i>For Bituminous Coated Pipe, Add</i>	26.42	
			<i>For Bituminous Coated And 25% Paved, Add</i>	62.09	
			<i>For Smooth-Flo, Add</i>	112.42	
33 42 11 00-0563	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	217.65	36.83
			<i>For Bituminous Coated Pipe, Add</i>	28.84	
			<i>For Bituminous Coated And 25% Paved, Add</i>	67.77	
			<i>For Smooth-Flo, Add</i>	122.71	
33 42 11 00-0564	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	265.66	45.02
			<i>For Bituminous Coated Pipe, Add</i>	35.50	
			<i>For Bituminous Coated And 25% Paved, Add</i>	83.43	
			<i>For Smooth-Flo, Add</i>	151.05	
33 42 11 00-0565	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	319.70	65.48
			<i>For Bituminous Coated Pipe, Add</i>	37.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	89.06	
			<i>For Smooth-Flo, Add</i>	161.25	
33 42 11 00-0566	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	345.13	71.62
			<i>For Bituminous Coated Pipe, Add</i>	40.38	
			<i>For Bituminous Coated And 25% Paved, Add</i>	94.88	
			<i>For Smooth-Flo, Add</i>	171.80	
33 42 11 00-0567	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	367.57	76.74
			<i>For Bituminous Coated Pipe, Add</i>	42.82	
			<i>For Bituminous Coated And 25% Paved, Add</i>	100.62	
			<i>For Smooth-Flo, Add</i>	182.19	
33 42 11 00-0568	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	388.76	81.85
			<i>For Bituminous Coated Pipe, Add</i>	45.01	
			<i>For Bituminous Coated And 25% Paved, Add</i>	105.77	
			<i>For Smooth-Flo, Add</i>	191.51	
33 42 11 00-0569	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	413.12	86.97
			<i>For Bituminous Coated Pipe, Add</i>	47.69	
			<i>For Bituminous Coated And 25% Paved, Add</i>	112.06	
			<i>For Smooth-Flo, Add</i>	202.90	
33 42 11 00-0570	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	439.09	92.09
			<i>For Bituminous Coated Pipe, Add</i>	50.12	
			<i>For Bituminous Coated And 25% Paved, Add</i>	117.79	
			<i>For Smooth-Flo, Add</i>	213.27	
33 42 11 00-0571	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	467.30	102.32
			<i>For Bituminous Coated Pipe, Add</i>	52.53	
			<i>For Bituminous Coated And 25% Paved, Add</i>	123.45	
			<i>For Smooth-Flo, Add</i>	223.52	
33 42 11 00-0572	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	495.41	112.55
			<i>For Bituminous Coated Pipe, Add</i>	55.01	
			<i>For Bituminous Coated And 25% Paved, Add</i>	129.26	
			<i>For Smooth-Flo, Add</i>	234.05	
33 42 11 00-0573			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
			Piping <small>(33 42 11 00-0549)</small>		
33 42 11 00-0574	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	262.59	36.83
			<i>For Bituminous Coated Pipe, Add</i>	37.83	
			<i>For Bituminous Coated And 25% Paved, Add</i>	71.87	
			<i>For Smooth-Flo, Add</i>	129.74	
33 42 11 00-0575	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	315.15	45.02
			<i>For Bituminous Coated Pipe, Add</i>	45.40	
			<i>For Bituminous Coated And 25% Paved, Add</i>	86.26	
			<i>For Smooth-Flo, Add</i>	155.72	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0576 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	373.90	65.48
For Bituminous Coated Pipe, Add	48.74	
For Bituminous Coated And 25% Paved, Add	92.60	
For Smooth-Flo, Add	167.16	
33 42 11 00-0577 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	403.50	71.62
For Bituminous Coated Pipe, Add	52.05	
For Bituminous Coated And 25% Paved, Add	98.90	
For Smooth-Flo, Add	178.53	
33 42 11 00-0578 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	430.15	76.74
For Bituminous Coated Pipe, Add	55.33	
For Bituminous Coated And 25% Paved, Add	105.13	
For Smooth-Flo, Add	189.80	
33 42 11 00-0579 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	457.04	81.85
For Bituminous Coated Pipe, Add	58.66	
For Bituminous Coated And 25% Paved, Add	111.46	
For Smooth-Flo, Add	201.22	
33 42 11 00-0580 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	484.55	86.97
For Bituminous Coated Pipe, Add	61.97	
For Bituminous Coated And 25% Paved, Add	117.75	
For Smooth-Flo, Add	212.56	
33 42 11 00-0581 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	514.84	92.09
For Bituminous Coated Pipe, Add	65.27	
For Bituminous Coated And 25% Paved, Add	124.02	
For Smooth-Flo, Add	223.88	
33 42 11 00-0582 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	547.65	102.32
For Bituminous Coated Pipe, Add	68.60	
For Bituminous Coated And 25% Paved, Add	130.34	
For Smooth-Flo, Add	235.30	
33 42 11 00-0583 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	579.93	112.55
For Bituminous Coated Pipe, Add	71.91	
For Bituminous Coated And 25% Paved, Add	136.63	
For Smooth-Flo, Add	246.65	
33 42 11 00-0584 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	610.91	122.78
For Bituminous Coated Pipe, Add	75.22	
For Bituminous Coated And 25% Paved, Add	142.91	
For Smooth-Flo, Add	257.99	
33 42 11 00-0585 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
Piping <small>(33 42 11 00-0549)</small>		
33 42 11 00-0586 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	425.80	65.48
For Bituminous Coated Pipe, Add	59.12	
For Bituminous Coated And 25% Paved, Add	112.32	
For Smooth-Flo, Add	176.46	
33 42 11 00-0587 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	460.23	71.62
For Bituminous Coated Pipe, Add	63.40	
For Bituminous Coated And 25% Paved, Add	120.45	
For Smooth-Flo, Add	189.24	
33 42 11 00-0588 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	491.40	76.74
For Bituminous Coated Pipe, Add	67.58	
For Bituminous Coated And 25% Paved, Add	128.41	
For Smooth-Flo, Add	201.74	
33 42 11 00-0589 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	522.38	81.85
For Bituminous Coated Pipe, Add	71.73	
For Bituminous Coated And 25% Paved, Add	136.29	
For Smooth-Flo, Add	214.12	
33 42 11 00-0590 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	554.33	86.97
For Bituminous Coated Pipe, Add	75.93	
For Bituminous Coated And 25% Paved, Add	144.26	
For Smooth-Flo, Add	226.65	
33 42 11 00-0591 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	588.91	92.09
For Bituminous Coated Pipe, Add	80.09	
For Bituminous Coated And 25% Paved, Add	152.16	
For Smooth-Flo, Add	239.06	
33 42 11 00-0592 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	626.00	102.32
For Bituminous Coated Pipe, Add	84.27	
For Bituminous Coated And 25% Paved, Add	160.12	
For Smooth-Flo, Add	251.55	
33 42 11 00-0593 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	662.64	112.55
For Bituminous Coated Pipe, Add	88.45	
For Bituminous Coated And 25% Paved, Add	168.06	
For Smooth-Flo, Add	264.03	
33 42 11 00-0594 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	697.88	122.78
For Bituminous Coated Pipe, Add	92.61	
For Bituminous Coated And 25% Paved, Add	175.96	
For Smooth-Flo, Add	276.44	
33 42 11 00-0595 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	741.80	133.02
For Bituminous Coated Pipe, Add	98.10	
For Bituminous Coated And 25% Paved, Add	186.39	
For Smooth-Flo, Add	292.82	
33 42 11 00-0596 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	783.40	143.25
For Bituminous Coated Pipe, Add	102.62	
For Bituminous Coated And 25% Paved, Add	194.99	
For Smooth-Flo, Add	306.33	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0597 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	828.96	153.48
For Bituminous Coated Pipe, Add	107.32	
For Bituminous Coated And 25% Paved, Add	203.92	
For Smooth-Flo, Add	320.36	
33 42 11 00-0598 Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0599 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0598)		
33 42 11 00-0600 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	52.13	11.43
For Bituminous Coated Pipe, Add	6.95	
33 42 11 00-0601 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	59.59	12.39
For Bituminous Coated Pipe, Add	8.28	
33 42 11 00-0602 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	66.47	13.33
For Bituminous Coated Pipe, Add	9.40	
33 42 11 00-0603 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	87.16	17.14
For Bituminous Coated Pipe, Add	12.11	
33 42 11 00-0604 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	112.90	22.51
For Bituminous Coated Pipe, Add	15.18	
33 42 11 00-0605 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	128.91	26.60
For Bituminous Coated Pipe, Add	17.90	
33 42 11 00-0606 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	145.23	30.70
For Bituminous Coated Pipe, Add	20.15	
33 42 11 00-0607 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	173.33	34.79
For Bituminous Coated Pipe, Add	24.68	
33 42 11 00-0608 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	189.10	36.83
For Bituminous Coated Pipe, Add	26.94	
33 42 11 00-0609 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0598)		
33 42 11 00-0610 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	57.10	11.43
For Bituminous Coated Pipe, Add	8.04	
33 42 11 00-0611 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	65.41	12.39
For Bituminous Coated Pipe, Add	9.55	
33 42 11 00-0612 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	73.10	13.33
For Bituminous Coated Pipe, Add	10.85	
33 42 11 00-0613 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	95.39	17.14
For Bituminous Coated Pipe, Add	13.91	
33 42 11 00-0614 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	122.81	22.51
For Bituminous Coated Pipe, Add	17.34	
33 42 11 00-0615 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	140.51	26.60
For Bituminous Coated Pipe, Add	20.43	
33 42 11 00-0616 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	158.47	30.70
For Bituminous Coated Pipe, Add	23.03	
33 42 11 00-0617 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	188.22	34.79
For Bituminous Coated Pipe, Add	27.91	
33 42 11 00-0618 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	205.67	36.83
For Bituminous Coated Pipe, Add	30.54	
33 42 11 00-0619 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	252.41	45.02
For Bituminous Coated Pipe, Add	37.94	
33 42 11 00-0620 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	305.72	65.48
For Bituminous Coated Pipe, Add	40.54	
33 42 11 00-0621 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	330.20	71.62
For Bituminous Coated Pipe, Add	43.19	
33 42 11 00-0622 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0598)		
33 42 11 00-0623 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	112.08	17.14
For Bituminous Coated Pipe, Add	14.53	
33 42 11 00-0624 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	142.76	22.51
For Bituminous Coated Pipe, Add	17.96	
33 42 11 00-0625 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	163.86	26.60
For Bituminous Coated Pipe, Add	21.12	
33 42 11 00-0626 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	185.12	30.70
For Bituminous Coated Pipe, Add	23.88	
33 42 11 00-0627 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	218.23	34.79
For Bituminous Coated Pipe, Add	28.50	
33 42 11 00-0628 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	239.05	36.83
For Bituminous Coated Pipe, Add	31.30	
33 42 11 00-0629 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	289.04	45.02
For Bituminous Coated Pipe, Add	37.97	
33 42 11 00-0630 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	345.65	65.48
For Bituminous Coated Pipe, Add	40.72	
33 42 11 00-0631 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	373.42	71.62
For Bituminous Coated Pipe, Add	43.50	
33 42 11 00-0632 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	398.31	76.74
For Bituminous Coated Pipe, Add	46.27	
33 42 11 00-0633 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	423.17	81.85
For Bituminous Coated Pipe, Add	49.04	
33 42 11 00-0634 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	448.76	86.97
For Bituminous Coated Pipe, Add	51.80	
33 42 11 00-0635 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	475.56	92.09
For Bituminous Coated Pipe, Add	54.26	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0636 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0637 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0636)		
33 42 11 00-0638 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.68	5.71
For Bituminous Coated Pipe, Add	1.78	
33 42 11 00-0639 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	20.16	5.71
For Bituminous Coated Pipe, Add	2.14	
33 42 11 00-0640 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.45	7.15
For Bituminous Coated Pipe, Add	2.35	
33 42 11 00-0641 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	25.33	7.15
For Bituminous Coated Pipe, Add	2.81	
33 42 11 00-0642 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	29.63	8.58
For Bituminous Coated Pipe, Add	2.95	
33 42 11 00-0643 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	32.01	8.58
For Bituminous Coated Pipe, Add	3.54	
33 42 11 00-0644 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0636)		
33 42 11 00-0645 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.88	5.71
For Bituminous Coated Pipe, Add	1.75	
33 42 11 00-0646 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	20.32	5.71
For Bituminous Coated Pipe, Add	2.09	
33 42 11 00-0647 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.66	7.15
For Bituminous Coated Pipe, Add	2.30	
33 42 11 00-0648 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	25.65	7.15
For Bituminous Coated Pipe, Add	2.77	
33 42 11 00-0649 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	29.98	8.58
For Bituminous Coated Pipe, Add	2.91	
33 42 11 00-0650 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	32.43	8.58
For Bituminous Coated Pipe, Add	3.49	
33 42 11 00-0651 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0636)		
33 42 11 00-0652 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	10.97	
For Bituminous Coated Pipe, Add	2.47	
33 42 11 00-0653 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	14.52	
For Bituminous Coated Pipe, Add	3.27	
33 42 11 00-0654 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	17.80	
For Bituminous Coated Pipe, Add	4.01	
33 42 11 00-0655 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	39.55	
For Bituminous Coated Pipe, Add	5.46	
33 42 11 00-0656 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	8.87	
For Bituminous Coated Pipe, Add	1.24	
33 42 11 00-0657 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	11.22	
For Bituminous Coated Pipe, Add	1.87	
33 42 11 00-0658 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0659 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0658)		
33 42 11 00-0660 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	57.78	10.00
33 42 11 00-0661 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	68.13	10.48
33 42 11 00-0662 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	78.81	11.43
33 42 11 00-0663 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	91.61	12.39
33 42 11 00-0664 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	102.20	13.33
33 42 11 00-0665 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	133.78	17.14
33 42 11 00-0666 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	172.20	22.51
33 42 11 00-0667 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	199.31	26.60
33 42 11 00-0668 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	223.69	30.70
33 42 11 00-0669 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0658)		
33 42 11 00-0670 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	65.79	10.00
33 42 11 00-0671 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	78.05	10.48
33 42 11 00-0672 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	90.69	11.43
33 42 11 00-0673 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	105.37	12.39
33 42 11 00-0674 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	118.18	13.33
33 42 11 00-0675 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	153.40	17.14
33 42 11 00-0676 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	195.89	22.51
33 42 11 00-0677 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	226.49	26.60
33 42 11 00-0678 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	254.71	30.70
33 42 11 00-0679 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	308.42	34.79
33 42 11 00-0680 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0658)		
33 42 11 00-0681 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	115.46	11.43
33 42 11 00-0682 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	134.29	12.39
33 42 11 00-0683 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	151.06	13.33



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0684 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	194.48	17.14
33 42 11 00-0685 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	235.11	22.51
33 42 11 00-0686 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	283.96	26.60
33 42 11 00-0687 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	329.29	30.70
33 42 11 00-0688 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	383.25	34.79
33 42 11 00-0689 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	418.79	36.83
33 42 11 00-0690 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	512.91	45.02
33 42 11 00-0691 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42		
<small>11 00-0658)</small>		
33 42 11 00-0692 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	290.21	22.51
33 42 11 00-0693 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	336.30	26.60
33 42 11 00-0694 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	379.75	30.70
33 42 11 00-0695 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	449.86	34.79
33 42 11 00-0696 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	492.94	36.83
33 42 11 00-0697 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	594.35	45.02
33 42 11 00-0698 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	672.93	65.48
33 42 11 00-0699 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0700 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0701 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	217.68	22.51
33 42 11 00-0702 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	251.75	26.60
33 42 11 00-0703 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	282.48	30.70
33 42 11 00-0704 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	341.86	34.79
33 42 11 00-0705 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	372.23	36.83
33 42 11 00-0706 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	473.93	45.02
33 42 11 00-0707 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	541.11	65.48
33 42 11 00-0708 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	579.23	71.62
33 42 11 00-0709 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	614.65	76.74
33 42 11 00-0710 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	650.11	81.85
33 42 11 00-0711 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	686.17	86.97
33 42 11 00-0712 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	725.28	92.09
33 42 11 00-0713 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0714 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	384.68	34.79
33 42 11 00-0715 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	419.56	36.83
33 42 11 00-0716 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	526.07	45.02
33 42 11 00-0717 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	597.81	65.48
33 42 11 00-0718 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	640.57	71.62
33 42 11 00-0719 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	680.79	76.74
33 42 11 00-0720 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	720.75	81.85
33 42 11 00-0721 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	761.41	86.97
33 42 11 00-0722 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	805.19	92.09
33 42 11 00-0723 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	851.22	102.32
33 42 11 00-0724 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	896.28	112.55
33 42 11 00-0725 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0726 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	527.26	36.83
33 42 11 00-0727 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	645.87	45.02
33 42 11 00-0728 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	728.00	65.48
33 42 11 00-0729 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	781.20	71.62
33 42 11 00-0730 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	831.80	76.74
33 42 11 00-0731 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	882.21	81.85
33 42 11 00-0732 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	933.40	86.97
33 42 11 00-0733 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	987.55	92.09
33 42 11 00-0734 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,043.88	102.32
33 42 11 00-0735 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,099.53	112.55
33 42 11 00-0736 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,154.36	122.78
33 42 11 00-0737 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0738 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	846.63	65.48
33 42 11 00-0739 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	909.49	71.62
33 42 11 00-0740 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	969.85	76.74
33 42 11 00-0741 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,029.95	81.85
33 42 11 00-0742 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,090.91	86.97
33 42 11 00-0743 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,154.79	92.09
33 42 11 00-0744 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,220.87	102.32
33 42 11 00-0745 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,286.20	112.55
33 42 11 00-0746 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,350.76	122.78
33 42 11 00-0747 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,416.98	133.02
33 42 11 00-0748 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,486.04	143.25
33 42 11 00-0749 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,558.25	153.48
33 42 11 00-0750 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0456)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0751			16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0750)</small>		
33 42 11 00-0752	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	273.25	30.70
33 42 11 00-0753	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	331.69	34.79
33 42 11 00-0754	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	360.59	36.83
33 42 11 00-0755	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	452.30	45.02
33 42 11 00-0756	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	517.70	65.48
33 42 11 00-0757	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	553.98	71.62
33 42 11 00-0758	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	587.31	76.74
33 42 11 00-0759	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	620.56	81.85
33 42 11 00-0760	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	654.89	86.97
33 42 11 00-0761	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	692.71	92.09
33 42 11 00-0762			14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0750)</small>		
33 42 11 00-0763	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	382.56	34.79
33 42 11 00-0764	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	417.24	36.83
33 42 11 00-0765	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	514.08	45.02
33 42 11 00-0766	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	584.46	65.48
33 42 11 00-0767	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	626.78	71.62
33 42 11 00-0768	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	665.77	76.74
33 42 11 00-0769	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	701.87	81.85
33 42 11 00-0770	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	744.44	86.97
33 42 11 00-0771	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	787.00	92.09
33 42 11 00-0772	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	831.58	102.32
33 42 11 00-0773	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	876.50	112.55
33 42 11 00-0774			12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0750)</small>		
33 42 11 00-0775	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	530.79	36.83
33 42 11 00-0776	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	639.71	45.02
33 42 11 00-0777	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	721.95	65.48
33 42 11 00-0778	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	774.70	71.62
33 42 11 00-0779	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	824.35	76.74
33 42 11 00-0780	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	874.62	81.85
33 42 11 00-0781	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	925.31	86.97
33 42 11 00-0782	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	978.66	92.09
33 42 11 00-0783	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,034.84	102.32
33 42 11 00-0784	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,090.30	112.55
33 42 11 00-0785	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,144.44	122.78
33 42 11 00-0786			10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0750)</small>		
33 42 11 00-0787	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	846.58	65.48
33 42 11 00-0788	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	910.92	71.62
33 42 11 00-0789	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	971.48	76.74
33 42 11 00-0790	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,031.56	81.85
33 42 11 00-0791	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,092.81	86.97
33 42 11 00-0792	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,156.58	92.09
33 42 11 00-0793	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,222.95	102.32
33 42 11 00-0794	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,288.87	112.55
33 42 11 00-0795	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,353.29	122.78
33 42 11 00-0796	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,435.64	133.02
33 42 11 00-0797	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,508.97	143.25
33 42 11 00-0798	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,587.44	153.48
33 42 11 00-0799			Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0455)</small>		
33 42 11 00-0800			2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0799)</small>		
33 42 11 00-0801			16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		
33 42 11 00-0802	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	41.81	10.48
			For Bituminous Coated Pipe, Add	5.05	
			For Bituminous Coated And 25% Paved, Add	12.21	
			For Smooth-Flo, Add	20.15	
33 42 11 00-0803	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	46.54	11.43
			For Bituminous Coated Pipe, Add	6.03	
			For Bituminous Coated And 25% Paved, Add	14.59	
			For Smooth-Flo, Add	24.06	
33 42 11 00-0804	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	53.24	12.39
			For Bituminous Coated Pipe, Add	7.26	
			For Bituminous Coated And 25% Paved, Add	17.56	
			For Smooth-Flo, Add	28.97	



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0805	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	59.74 8.37 20.23 33.37	13.33
33 42 11 00-0806	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	77.86 10.63 25.69 42.38	17.14
33 42 11 00-0807	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	102.79 13.70 33.13 54.65	22.51
33 42 11 00-0808		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		
33 42 11 00-0809	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	45.90 5.24 12.26 20.11	10.48
33 42 11 00-0810	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	51.55 6.29 14.71 24.12	11.43
33 42 11 00-0811	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	58.83 7.47 17.48 28.68	12.39
33 42 11 00-0812	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	66.21 8.62 20.16 33.07	13.33
33 42 11 00-0813	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	85.94 10.91 25.53 41.88	17.14
33 42 11 00-0814	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	112.40 13.90 32.52 53.34	22.51
33 42 11 00-0815	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	129.11 16.56 38.74 63.54	26.60
33 42 11 00-0816		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		
33 42 11 00-0817	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	67.26 6.80 15.13 23.27	12.28
33 42 11 00-0818	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	76.78 8.07 17.95 27.60	13.31
33 42 11 00-0819	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	86.22 9.25 20.59 31.65	14.32
33 42 11 00-0820	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	111.40 11.65 25.92 39.86	18.42
33 42 11 00-0821	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	132.00 14.58 32.44 49.88	22.51
33 42 11 00-0822	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	151.73 17.24 38.36 58.99	26.60
33 42 11 00-0823	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.92 20.44 45.49 69.95	30.70
33 42 11 00-0824	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	197.90 22.57 50.24 77.25	34.79
33 42 11 00-0825		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0826 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	150.45 17.56 36.97 46.63	22.51
33 42 11 00-0827 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	173.24 20.72 43.61 55.00	26.60
33 42 11 00-0828 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	201.31 24.38 51.32 64.72	30.70
33 42 11 00-0829 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	225.46 27.03 56.90 71.75	34.79
33 42 11 00-0830 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.97 29.67 62.46 78.77	36.83
33 42 11 00-0831 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0799)</small>		
33 42 11 00-0832 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0831)</small>		
33 42 11 00-0833 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	197.63 26.04 79.17 88.55	34.79
33 42 11 00-0834 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	215.97 28.50 86.65 96.91	36.83
33 42 11 00-0835 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	267.15 35.80 108.83 121.71	45.02
33 42 11 00-0836 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	322.11 38.38 116.67 130.49	65.48
33 42 11 00-0837 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	348.69 41.09 124.91 139.70	71.62
33 42 11 00-0838 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	372.54 43.81 133.19 148.96	76.74
33 42 11 00-0839 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	396.34 46.52 141.43 158.18	81.85
33 42 11 00-0840 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	420.82 49.23 149.65 167.37	86.97
33 42 11 00-0841 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0831)</small>		
33 42 11 00-0842 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	258.38 36.98 96.90 114.65	36.83
33 42 11 00-0843 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	314.19 45.21 118.44 140.14	45.02
33 42 11 00-0844 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	373.32 48.62 127.38 150.72	65.48
33 42 11 00-0845 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	404.04 52.16 136.65 161.69	71.62
33 42 11 00-0846 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	432.03 55.71 145.96 172.70	76.74
33 42 11 00-0847 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	459.99 59.25 155.25 183.69	81.85



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0848	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	488.61 62.78 164.49 194.63	86.97
33 42 11 00-0849	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	520.24 66.35 173.84 205.69	92.09
33 42 11 00-0850	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	554.12 69.90 183.13 216.68	102.32
33 42 11 00-0851	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	589.34 73.79 193.34 228.76	112.55
33 42 11 00-0852			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0831)</small>		
33 42 11 00-0853	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	420.90 58.14 138.36 150.28	65.48
33 42 11 00-0854	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	455.56 62.46 148.66 161.46	71.62
33 42 11 00-0855	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	487.46 66.80 158.97 172.67	76.74
33 42 11 00-0856	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	519.25 71.11 169.23 183.81	81.85
33 42 11 00-0857	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	551.80 75.42 179.50 194.97	86.97
33 42 11 00-0858	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	587.30 79.76 189.84 206.19	92.09
33 42 11 00-0859	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	625.09 84.09 200.13 217.37	102.32
33 42 11 00-0860	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	663.91 88.71 211.12 229.31	112.55
33 42 11 00-0861	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	706.07 94.25 224.31 243.63	122.78
33 42 11 00-0862			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0799)</small>		
33 42 11 00-0863			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0862)</small>		
33 42 11 00-0864	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	377.99 49.55 120.91 153.87	65.48
33 42 11 00-0865	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	408.25 53.00 129.32 164.57	71.62
33 42 11 00-0866	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	435.51 56.41 137.63 175.14	76.74
33 42 11 00-0867	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	462.79 59.81 145.95 185.72	81.85
33 42 11 00-0868	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	490.90 63.24 154.31 196.37	86.97

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0869 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	522.15	92.09
For Bituminous Coated Pipe, Add	66.73	
For Bituminous Coated And 25% Paved, Add	162.83	
For Smooth-Flo, Add	207.21	
33 42 11 00-0870 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	555.65	102.32
For Bituminous Coated Pipe, Add	70.20	
For Bituminous Coated And 25% Paved, Add	171.29	
For Smooth-Flo, Add	217.98	
33 42 11 00-0871 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	593.13	112.55
For Bituminous Coated Pipe, Add	74.55	
For Bituminous Coated And 25% Paved, Add	181.90	
For Smooth-Flo, Add	231.48	
33 42 11 00-0872 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0862)		
33 42 11 00-0873 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	430.66	65.48
For Bituminous Coated Pipe, Add	60.09	
For Bituminous Coated And 25% Paved, Add	135.80	
For Smooth-Flo, Add	147.52	
33 42 11 00-0874 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	465.13	71.62
For Bituminous Coated Pipe, Add	64.38	
For Bituminous Coated And 25% Paved, Add	145.49	
For Smooth-Flo, Add	158.04	
33 42 11 00-0875 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	496.68	76.74
For Bituminous Coated Pipe, Add	68.64	
For Bituminous Coated And 25% Paved, Add	155.13	
For Smooth-Flo, Add	168.51	
33 42 11 00-0876 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	528.36	81.85
For Bituminous Coated Pipe, Add	72.93	
For Bituminous Coated And 25% Paved, Add	164.82	
For Smooth-Flo, Add	179.04	
33 42 11 00-0877 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	560.03	86.97
For Bituminous Coated Pipe, Add	77.07	
For Bituminous Coated And 25% Paved, Add	174.17	
For Smooth-Flo, Add	189.20	
33 42 11 00-0878 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	596.14	92.09
For Bituminous Coated Pipe, Add	81.53	
For Bituminous Coated And 25% Paved, Add	184.26	
For Smooth-Flo, Add	200.16	
33 42 11 00-0879 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	634.00	102.32
For Bituminous Coated Pipe, Add	85.87	
For Bituminous Coated And 25% Paved, Add	194.07	
For Smooth-Flo, Add	210.82	
33 42 11 00-0880 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	675.81	112.55
For Bituminous Coated Pipe, Add	91.09	
For Bituminous Coated And 25% Paved, Add	205.85	
For Smooth-Flo, Add	223.62	
33 42 11 00-0881 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	714.87	122.78
For Bituminous Coated Pipe, Add	96.01	
For Bituminous Coated And 25% Paved, Add	216.98	
For Smooth-Flo, Add	235.70	
33 42 11 00-0882 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0799)		
33 42 11 00-0883 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0882)		
33 42 11 00-0884 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	68.20	10.48
33 42 11 00-0885 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	78.08	11.43
33 42 11 00-0886 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	91.30	12.39
33 42 11 00-0887 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	103.66	13.33
33 42 11 00-0888 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	133.81	17.14
33 42 11 00-0889 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	175.47	22.51
33 42 11 00-0890 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0882)		
33 42 11 00-0891 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	77.62	10.48
33 42 11 00-0892 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	89.59	11.43
33 42 11 00-0893 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	104.15	12.39
33 42 11 00-0894 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	118.59	13.33
33 42 11 00-0895 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	152.38	17.14
33 42 11 00-0896 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	197.56	22.51
33 42 11 00-0897 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	230.77	26.60
33 42 11 00-0898 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0882)		
33 42 11 00-0899 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	117.81	11.43
33 42 11 00-0900 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	137.57	12.39
33 42 11 00-0901 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	156.44	13.33
33 42 11 00-0902 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	199.61	17.14
33 42 11 00-0903 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	254.61	22.51
33 42 11 00-0904 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	297.20	26.60



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0905 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	350.62	30.70
33 42 11 00-0906 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	389.19	34.79
33 42 11 00-0907 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0882)</small>		
33 42 11 00-0908 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	299.36	22.51
33 42 11 00-0909 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	349.41	26.60
33 42 11 00-0910 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	409.81	30.70
33 42 11 00-0911 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	456.11	34.79
33 42 11 00-0912 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	499.68	36.83
33 42 11 00-0913 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0799)</small>		
33 42 11 00-0914 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0913)</small>		
33 42 11 00-0915 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	393.09	34.79
33 42 11 00-0916 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	429.45	36.83
33 42 11 00-0917 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	537.55	45.02
33 42 11 00-0918 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	611.59	65.48
33 42 11 00-0919 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	658.26	71.62
33 42 11 00-0920 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	702.27	76.74
33 42 11 00-0921 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	746.10	81.85
33 42 11 00-0922 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	790.75	86.97
33 42 11 00-0923 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0913)</small>		
33 42 11 00-0924 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	537.35	36.83
33 42 11 00-0925 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	657.66	45.02
33 42 11 00-0926 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	742.31	65.48
33 42 11 00-0927 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	799.40	71.62
33 42 11 00-0928 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	853.89	76.74
33 42 11 00-0929 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	908.31	81.85
33 42 11 00-0930 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	963.32	86.97
33 42 11 00-0931 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,021.52	92.09
33 42 11 00-0932 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,081.86	102.32
33 42 11 00-0933 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,146.19	112.55
33 42 11 00-0934 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0913)</small>		
33 42 11 00-0935 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	860.91	65.48
33 42 11 00-0936 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	927.80	71.62
33 42 11 00-0937 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.08	76.74
33 42 11 00-0938 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,056.03	81.85
33 42 11 00-0939 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,120.81	86.97
33 42 11 00-0940 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,188.71	92.09
33 42 11 00-0941 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,258.82	102.32
33 42 11 00-0942 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,332.05	112.55
33 42 11 00-0943 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,415.56	122.78
33 42 11 00-0944 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0799)</small>		
33 42 11 00-0945 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0944)</small>		
33 42 11 00-0946 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	731.65	65.48
33 42 11 00-0947 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	786.07	71.62
33 42 11 00-0948 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	837.23	76.74
33 42 11 00-0949 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	888.33	81.85
33 42 11 00-0950 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	940.47	86.97
33 42 11 00-0951 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	996.18	92.09
33 42 11 00-0952 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,053.96	102.32
33 42 11 00-0953 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,121.89	112.55
33 42 11 00-0954 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0944)</small>		
33 42 11 00-0955 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	858.14	65.48
33 42 11 00-0956 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	922.60	71.62
33 42 11 00-0957 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	984.02	76.74
33 42 11 00-0958 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,045.73	81.85
33 42 11 00-0959 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,106.50	86.97
33 42 11 00-0960 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,173.81	92.09
33 42 11 00-0961 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,242.11	102.32
33 42 11 00-0962 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,320.56	112.55
33 42 11 00-0963 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,393.92	122.78
33 42 11 00-0964 Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0455)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0965			2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0964)		
33 42 11 00-0966			16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0965)		
33 42 11 00-0967	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.38 7.51	10.00
33 42 11 00-0968	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.95 9.47	10.48
33 42 11 00-0969	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.71 11.47	11.43
33 42 11 00-0970	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.02 13.72	12.39
33 42 11 00-0971	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.37 15.45	13.33
33 42 11 00-0972	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.79 20.04	17.14
33 42 11 00-0973	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	110.33 25.28	22.51
33 42 11 00-0974	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	126.12 29.97	26.60
33 42 11 00-0975	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	141.71 33.51	30.70
33 42 11 00-0976			14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0965)		
33 42 11 00-0977	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.44 7.14	10.00
33 42 11 00-0978	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.96 8.96	10.48
33 42 11 00-0979	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.68 10.83	11.43
33 42 11 00-0980	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.95 12.88	12.39
33 42 11 00-0981	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.41 14.58	13.33
33 42 11 00-0982	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.63 18.73	17.14
33 42 11 00-0983	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	122.24 23.46	22.51
33 42 11 00-0984	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.82 27.63	26.60
33 42 11 00-0985	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.33 31.05	30.70
33 42 11 00-0986	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	188.60 38.17	34.79
33 42 11 00-0987			12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0965)		
33 42 11 00-0988	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.24 10.09	11.43
33 42 11 00-0989	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.61 11.94	12.39
33 42 11 00-0990	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.06 13.53	13.33
33 42 11 00-0991	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.41 17.25	17.14
33 42 11 00-0992	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	147.31 21.41	22.51
33 42 11 00-0993	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	168.88 25.11	26.60
33 42 11 00-0994	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	190.47 28.32	30.70
33 42 11 00-0995	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	226.46 34.20	34.79
33 42 11 00-0996	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	247.36 37.39	36.83
33 42 11 00-0997	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	302.02 45.98	45.02
33 42 11 00-0998			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0965)		
33 42 11 00-0999	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	169.86 23.45	22.51
33 42 11 00-1000	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	195.25 27.49	26.60
33 42 11 00-1001	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	220.41 31.04	30.70



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1002	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	260.02 36.98	34.79
33 42 11 00-1003	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	284.72 40.56	36.83
33 42 11 00-1004	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	343.05 48.94	45.02
33 42 11 00-1005	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	403.49 52.47	65.48
33 42 11 00-1006			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0964)</small>		
33 42 11 00-1007			16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1008	LF		36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	128.06 28.11	22.51
33 42 11 00-1009	LF		42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	146.41 33.01	26.60
33 42 11 00-1010	LF		48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	164.52 37.02	30.70
33 42 11 00-1011	LF		54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	196.60 45.22	34.79
33 42 11 00-1012	LF		60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	214.21 49.26	36.83
33 42 11 00-1013	LF		66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	268.95 63.28	45.02
33 42 11 00-1014	LF		72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	322.91 67.44	65.48
33 42 11 00-1015	LF		78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	347.88 71.62	71.62
33 42 11 00-1016	LF		84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	370.10 75.82	76.74
33 42 11 00-1017	LF		90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	392.32 80.01	81.85
33 42 11 00-1018	LF		96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	415.23 84.19	86.97
33 42 11 00-1019	LF		102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	441.08 88.41	92.09
33 42 11 00-1020			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1021	LF		54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	216.96 39.18	34.79
33 42 11 00-1022	LF		60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	236.72 42.77	36.83
33 42 11 00-1023	LF		66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	293.71 53.85	45.02
33 42 11 00-1024	LF		72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	349.90 57.56	65.48
33 42 11 00-1025	LF		78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	377.05 61.26	71.62
33 42 11 00-1026	LF		84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	401.56 65.00	76.74
33 42 11 00-1027	LF		90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	425.92 68.70	81.85
33 42 11 00-1028	LF		96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	451.02 72.40	86.97
33 42 11 00-1029	LF		102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	479.05 76.13	92.09
33 42 11 00-1030	LF		108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	509.41 79.85	102.32
33 42 11 00-1031	LF		114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	539.12 83.51	112.55
33 42 11 00-1032			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1033	LF		60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	286.74 57.37	36.83
33 42 11 00-1034	LF		66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	349.10 70.19	45.02
33 42 11 00-1035	LF		72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	410.11 75.29	65.48
33 42 11 00-1036	LF		78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	442.16 80.41	71.62
33 42 11 00-1037	LF		84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	471.49 85.54	76.74
33 42 11 00-1038	LF		90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	500.76 90.66	81.85
33 42 11 00-1039	LF		96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	530.71 95.77	86.97
33 42 11 00-1040	LF		102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	563.60 100.91	92.09

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1041 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	598.79	102.32
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.03	
33 42 11 00-1042 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	633.40	112.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.10	
33 42 11 00-1043 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.95	122.78
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	116.24	
33 42 11 00-1044 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1006)</small>		
33 42 11 00-1045 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.26	65.48
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.41	
33 42 11 00-1046 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	502.83	71.62
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	98.88	
33 42 11 00-1047 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	536.80	76.74
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.41	
33 42 11 00-1048 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	570.62	81.85
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.90	
33 42 11 00-1049 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	605.24	86.97
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.40	
33 42 11 00-1050 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	642.76	92.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	124.93	
33 42 11 00-1051 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	682.50	102.32
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.41	
33 42 11 00-1052 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	721.71	112.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.87	
33 42 11 00-1053 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	759.89	122.78
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	144.39	
33 42 11 00-1054 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	799.91	133.02
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	150.87	
33 42 11 00-1055 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	842.57	143.25
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.38	
33 42 11 00-1056 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	888.37	153.48
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	163.91	
33 42 11 00-1057 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-0964)</small>		
33 42 11 00-1058 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1057)</small>		
33 42 11 00-1059 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	165.17	30.70
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.86	
33 42 11 00-1060 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.78	34.79
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.19	
33 42 11 00-1061 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.24	36.83
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.11	
33 42 11 00-1062 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	266.65	45.02
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.93	
33 42 11 00-1063 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	320.35	65.48
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	81.95	
33 42 11 00-1064 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	345.01	71.62
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	86.96	
33 42 11 00-1065 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	366.80	76.74
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	91.94	
33 42 11 00-1066 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	388.53	81.85
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.89	
33 42 11 00-1067 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	411.21	86.97
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.94	
33 42 11 00-1068 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	436.98	92.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	107.10	
33 42 11 00-1069 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1057)</small>		
33 42 11 00-1070 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	223.24	34.79
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.98	
33 42 11 00-1071 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.61	36.83
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.85	
33 42 11 00-1072 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	297.54	45.02
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.19	
33 42 11 00-1073 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	353.76	65.48
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.00	
33 42 11 00-1074 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	381.42	71.62
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.98	
33 42 11 00-1075 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	406.04	76.74
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	85.87	
33 42 11 00-1076 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.22	81.85
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	90.27	
33 42 11 00-1077 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	455.96	86.97
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	95.63	
33 42 11 00-1078 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	484.14	92.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	100.52	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1079	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	514.54 105.37	102.32
33 42 11 00-1080	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	544.86 110.32	112.55
33 42 11 00-1081		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1057)</small>		
33 42 11 00-1082	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	296.62 63.82	36.83
33 42 11 00-1083	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	355.99 76.60	45.02
33 42 11 00-1084	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	417.76 82.24	65.48
33 42 11 00-1085	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	450.32 87.82	71.62
33 42 11 00-1086	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	479.95 93.37	76.74
33 42 11 00-1087	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	509.87 99.00	81.85
33 42 11 00-1088	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	540.32 104.57	86.97
33 42 11 00-1089	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	573.60 110.14	92.09
33 42 11 00-1090	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	609.39 115.76	102.32
33 42 11 00-1091	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	644.65 121.34	112.55
33 42 11 00-1092	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	678.63 126.93	122.78
33 42 11 00-1093		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1057)</small>		
33 42 11 00-1094	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	479.05 99.77	65.48
33 42 11 00-1095	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	517.30 106.98	71.62
33 42 11 00-1096	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	552.26 114.05	76.74
33 42 11 00-1097	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	587.00 121.06	81.85
33 42 11 00-1098	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	622.66 128.12	86.97
33 42 11 00-1099	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	661.02 135.15	92.09
33 42 11 00-1100	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	701.87 142.21	102.32
33 42 11 00-1101	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	742.26 149.26	112.55
33 42 11 00-1102	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	781.25 156.28	122.78
33 42 11 00-1103	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	830.15 165.55	133.02
33 42 11 00-1104	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	875.80 173.18	143.25
33 42 11 00-1105	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	925.57 181.10	153.48
33 42 11 00-1106		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0964)</small>		
33 42 11 00-1107		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1106)</small>		
33 42 11 00-1108	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	57.56	11.43
33 42 11 00-1109	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	65.95	12.39
33 42 11 00-1110	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	73.75	13.33
33 42 11 00-1111	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	96.23	17.14
33 42 11 00-1112	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	123.77	22.51
33 42 11 00-1113	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	141.62	26.60
33 42 11 00-1114	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	159.74	30.70
33 42 11 00-1115	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	189.67	34.79
33 42 11 00-1116	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	207.24	36.83
33 42 11 00-1117		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1106)</small>		
33 42 11 00-1118	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	63.46	11.43
33 42 11 00-1119	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	72.84	12.39
33 42 11 00-1120	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	81.56	13.33
33 42 11 00-1121	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	105.99	17.14
33 42 11 00-1122	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	135.52	22.51
33 42 11 00-1123	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	155.36	26.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1124 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	175.43	30.70
33 42 11 00-1125 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	207.32	34.79
33 42 11 00-1126 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	226.92	36.83
33 42 11 00-1127 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	275.99	45.02
33 42 11 00-1128 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	331.41	65.48
33 42 11 00-1129 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	357.99	71.62
33 42 11 00-1130 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1106)		
33 42 11 00-1131 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	125.78	17.14
33 42 11 00-1132 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	159.22	22.51
33 42 11 00-1133 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	183.12	26.60
33 42 11 00-1134 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	207.09	30.70
33 42 11 00-1135 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	242.91	34.79
33 42 11 00-1136 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	266.53	36.83
33 42 11 00-1137 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	319.47	45.02
33 42 11 00-1138 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	378.80	65.48
33 42 11 00-1139 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	409.32	71.62
33 42 11 00-1140 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	436.93	76.74
33 42 11 00-1141 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	464.59	81.85
33 42 11 00-1142 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	492.86	86.97
33 42 11 00-1143 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	522.11	92.09
33 42 11 00-1144 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0455)		
33 42 11 00-1145 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1144)		
33 42 11 00-1146 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1145)		
33 42 11 00-1147 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	46.32	10.48
For 1/2 Bituminous Coated And 40% Paved, Add	12.23	
33 42 11 00-1148 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	51.94	11.43
For 1/2 Bituminous Coated And 40% Paved, Add	14.61	
33 42 11 00-1149 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	59.71	12.39
For 1/2 Bituminous Coated And 40% Paved, Add	17.57	
33 42 11 00-1150 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	67.20	13.33
For 1/2 Bituminous Coated And 40% Paved, Add	20.25	
33 42 11 00-1151 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	87.35	17.14
For 1/2 Bituminous Coated And 40% Paved, Add	25.72	
33 42 11 00-1152 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	115.04	22.51
For 1/2 Bituminous Coated And 40% Paved, Add	33.17	
33 42 11 00-1153 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1145)		
33 42 11 00-1154 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	51.34	10.48
For 1/2 Bituminous Coated And 40% Paved, Add	12.67	
33 42 11 00-1155 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	58.02	11.43
For 1/2 Bituminous Coated And 40% Paved, Add	15.18	
33 42 11 00-1156 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	66.56	12.39
For 1/2 Bituminous Coated And 40% Paved, Add	18.06	
33 42 11 00-1157 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	75.13	13.33
For 1/2 Bituminous Coated And 40% Paved, Add	20.83	
33 42 11 00-1158 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	97.23	17.14
For 1/2 Bituminous Coated And 40% Paved, Add	26.37	
33 42 11 00-1159 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	126.79	22.51
For 1/2 Bituminous Coated And 40% Paved, Add	33.59	
33 42 11 00-1160 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	146.25	26.60
For 1/2 Bituminous Coated And 40% Paved, Add	40.02	
33 42 11 00-1161 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1145)		
33 42 11 00-1162 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	70.43	11.43
For 1/2 Bituminous Coated And 40% Paved, Add	13.91	
33 42 11 00-1163 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	81.26	12.39
For 1/2 Bituminous Coated And 40% Paved, Add	16.53	
33 42 11 00-1164 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	91.78	13.33
For 1/2 Bituminous Coated And 40% Paved, Add	18.97	
33 42 11 00-1165 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	118.01	17.14
For 1/2 Bituminous Coated And 40% Paved, Add	23.94	
33 42 11 00-1166 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	151.90	22.51
For 1/2 Bituminous Coated And 40% Paved, Add	30.10	
33 42 11 00-1167 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	175.54	26.60
For 1/2 Bituminous Coated And 40% Paved, Add	35.68	
33 42 11 00-1168 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	205.75	30.70
For 1/2 Bituminous Coated And 40% Paved, Add	42.48	
33 42 11 00-1169 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	229.44	34.79
For 1/2 Bituminous Coated And 40% Paved, Add	46.83	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1170 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1145)</small>		
33 42 11 00-1171 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	174.45	22.51
For 1/2 Bituminous Coated And 40% Paved, Add	31.68	
33 42 11 00-1172 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	201.83	26.60
For 1/2 Bituminous Coated And 40% Paved, Add	37.44	
33 42 11 00-1173 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	235.57	30.70
For 1/2 Bituminous Coated And 40% Paved, Add	44.20	
33 42 11 00-1174 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	263.16	34.79
For 1/2 Bituminous Coated And 40% Paved, Add	48.94	
33 42 11 00-1175 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	288.12	36.83
For 1/2 Bituminous Coated And 40% Paved, Add	53.67	
33 42 11 00-1176 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1144)</small>		
33 42 11 00-1177 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1176)</small>		
33 42 11 00-1178 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	220.98	34.79
For 1/2 Bituminous Coated And 40% Paved, Add	70.34	
33 42 11 00-1179 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	241.50	36.83
For 1/2 Bituminous Coated And 40% Paved, Add	76.96	
33 42 11 00-1180 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	299.22	45.02
For 1/2 Bituminous Coated And 40% Paved, Add	96.67	
33 42 11 00-1181 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	356.48	65.48
For 1/2 Bituminous Coated And 40% Paved, Add	103.63	
33 42 11 00-1182 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	385.51	71.62
For 1/2 Bituminous Coated And 40% Paved, Add	110.96	
33 42 11 00-1183 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	411.78	76.74
For 1/2 Bituminous Coated And 40% Paved, Add	118.30	
33 42 11 00-1184 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	437.98	81.85
For 1/2 Bituminous Coated And 40% Paved, Add	125.61	
33 42 11 00-1185 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	464.95	86.97
For 1/2 Bituminous Coated And 40% Paved, Add	132.94	
33 42 11 00-1186 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1176)</small>		
33 42 11 00-1187 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	291.57	36.83
For 1/2 Bituminous Coated And 40% Paved, Add	87.46	
33 42 11 00-1188 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	354.73	45.02
For 1/2 Bituminous Coated And 40% Paved, Add	106.89	
33 42 11 00-1189 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	416.92	65.48
For 1/2 Bituminous Coated And 40% Paved, Add	114.97	
33 42 11 00-1190 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	450.78	71.62
For 1/2 Bituminous Coated And 40% Paved, Add	123.32	
33 42 11 00-1191 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	481.98	76.74
For 1/2 Bituminous Coated And 40% Paved, Add	131.73	
33 42 11 00-1192 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	513.12	81.85
For 1/2 Bituminous Coated And 40% Paved, Add	140.11	
33 42 11 00-1193 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	544.91	86.97
For 1/2 Bituminous Coated And 40% Paved, Add	148.46	
33 42 11 00-1194 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	579.72	92.09
For 1/2 Bituminous Coated And 40% Paved, Add	156.89	
33 42 11 00-1195 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	616.78	102.32
For 1/2 Bituminous Coated And 40% Paved, Add	165.27	
33 42 11 00-1196 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	655.52	112.55
For 1/2 Bituminous Coated And 40% Paved, Add	174.49	
33 42 11 00-1197 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1176)</small>		
33 42 11 00-1198 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	473.04	65.48
For 1/2 Bituminous Coated And 40% Paved, Add	124.44	
33 42 11 00-1199 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	511.56	71.62
For 1/2 Bituminous Coated And 40% Paved, Add	133.70	
33 42 11 00-1200 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	547.36	76.74
For 1/2 Bituminous Coated And 40% Paved, Add	142.98	
33 42 11 00-1201 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	583.02	81.85
For 1/2 Bituminous Coated And 40% Paved, Add	152.21	
33 42 11 00-1202 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	622.54	86.97
For 1/2 Bituminous Coated And 40% Paved, Add	162.57	
33 42 11 00-1203 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	658.84	92.09
For 1/2 Bituminous Coated And 40% Paved, Add	170.74	
33 42 11 00-1204 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	700.53	102.32
For 1/2 Bituminous Coated And 40% Paved, Add	180.01	
33 42 11 00-1205 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	743.45	112.55
For 1/2 Bituminous Coated And 40% Paved, Add	189.87	
33 42 11 00-1206 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	790.59	122.78
For 1/2 Bituminous Coated And 40% Paved, Add	201.74	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 11 00-1207		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>(33 42 11 00-1144)</i>			
33 42 11 00-1208		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>(33 42 11 00-1207)</i>			
33 42 11 00-1209	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	422.59 113.15		65.48
33 42 11 00-1210	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	455.94 121.01		71.62
33 42 11 00-1211	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	486.31 128.81		76.74
33 42 11 00-1212	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	516.64 136.58		81.85
33 42 11 00-1213	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	547.82 144.40		86.97
33 42 11 00-1214	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	582.21 152.37		92.09
33 42 11 00-1215	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	618.85 160.30		102.32
33 42 11 00-1216	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	660.23 170.22		112.55
33 42 11 00-1217		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>(33 42 11 00-1207)</i>			
33 42 11 00-1218	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	484.75 125.50		65.48
33 42 11 00-1219	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	523.08 134.46		71.62
33 42 11 00-1220	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	558.46 143.36		76.74
33 42 11 00-1221	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	594.00 152.32		81.85
33 42 11 00-1222	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	629.43 160.98		86.97
33 42 11 00-1223	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	669.52 170.29		92.09
33 42 11 00-1224	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	711.33 179.37		102.32
33 42 11 00-1225	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	757.80 190.25		112.55
33 42 11 00-1226	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	801.31 200.53		122.78
33 42 11 00-1227		Spiral Lockseam Corrugated Aluminum Piping <i>(33 42 11 00-0455)</i>			
33 42 11 00-1228		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <i>(33 42 11 00-1227)</i>			
33 42 11 00-1229		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <i>(33 42 11 00-1228)</i>			
33 42 11 00-1230	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	23.54 2.33		5.71
33 42 11 00-1231	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	30.31 3.16		7.15
33 42 11 00-1232	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	39.25 4.16		8.58
33 42 11 00-1233		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <i>(33 42 11 00-1228)</i>			
33 42 11 00-1234	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	26.21 2.31		5.71
33 42 11 00-1235	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	34.08 3.15		7.15
33 42 11 00-1236	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	44.28 4.17		8.58
33 42 11 00-1237		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <i>(33 42 11 00-1227)</i>			
33 42 11 00-1238		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <i>(33 42 11 00-1237)</i>			
33 42 11 00-1239	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	45.52 4.58		10.00
33 42 11 00-1240	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	52.56 5.74		10.48
33 42 11 00-1241	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	60.03 6.98		11.43



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1242	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	69.10 8.33	12.39
33 42 11 00-1243	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	77.19 9.45	13.33
33 42 11 00-1244			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1237)</small>		
33 42 11 00-1245	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	51.23 4.48	10.00
33 42 11 00-1246	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	59.85 5.63	10.48
33 42 11 00-1247	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	68.77 6.83	11.43
33 42 11 00-1248	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	79.22 8.11	12.39
33 42 11 00-1249	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	88.81 9.21	13.33
33 42 11 00-1250	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	115.52 11.81	17.14
33 42 11 00-1251	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	147.64 14.68	22.51
33 42 11 00-1252			12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1237)</small>		
33 42 11 00-1253	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	111.03 8.74	13.33
33 42 11 00-1254	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	143.18 11.12	17.14
33 42 11 00-1255	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	180.87 13.71	22.51
33 42 11 00-1256	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	208.65 16.13	26.60
33 42 11 00-1257	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	235.97 18.25	30.70
33 42 11 00-1258	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	277.64 21.65	34.79
33 42 11 00-1259			10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1237)</small>		
33 42 11 00-1260	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	216.28 13.48	22.51
33 42 11 00-1261	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	249.90 15.82	26.60
33 42 11 00-1262	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	283.25 17.96	30.70
33 42 11 00-1263	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	330.83 21.07	34.79
33 42 11 00-1264	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	363.74 23.22	36.83
33 42 11 00-1265			3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1227)</small>		
33 42 11 00-1266			16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1265)</small>		
33 42 11 00-1267	LF		30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	113.71	17.14
33 42 11 00-1268	LF		36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	145.38	22.51
33 42 11 00-1269	LF		42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	166.52	26.60
33 42 11 00-1270	LF		48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	188.57	30.70
33 42 11 00-1271	LF		54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	222.73	34.79
33 42 11 00-1272			14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1265)</small>		
33 42 11 00-1273	LF		30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	128.28	17.14
33 42 11 00-1274	LF		36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	166.17	22.51
33 42 11 00-1275	LF		42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	190.65	26.60
33 42 11 00-1276	LF		48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	214.91	30.70
33 42 11 00-1277	LF		54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	253.58	34.79
33 42 11 00-1278	LF		60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	277.27	36.83
33 42 11 00-1279	LF		66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	337.30	45.02
33 42 11 00-1280	LF		72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	397.19	65.48
33 42 11 00-1281	LF		78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	428.10	71.62
33 42 11 00-1282			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1265)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1283 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	162.30	17.14
33 42 11 00-1284 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	204.43	22.51
33 42 11 00-1285 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	236.36	26.60
33 42 11 00-1286 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	267.34	30.70
33 42 11 00-1287 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	312.44	34.79
33 42 11 00-1288 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	342.45	36.83
33 42 11 00-1289 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	408.79	45.02
33 42 11 00-1290 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	475.15	65.48
33 42 11 00-1291 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	512.44	71.62
33 42 11 00-1292 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	547.02	76.74
33 42 11 00-1293 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	581.51	81.85
33 42 11 00-1294 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	616.74	86.97
33 42 11 00-1295 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1295)</small>		
33 42 11 00-1296 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	411.00	36.83
33 42 11 00-1297 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	481.31	45.02
33 42 11 00-1298 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	554.18	65.48
33 42 11 00-1299 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	597.98	71.62
33 42 11 00-1300 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	638.97	76.74
33 42 11 00-1301 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	679.96	81.85
33 42 11 00-1302 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	721.64	86.97
33 42 11 00-1303 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	766.30	92.09
33 42 11 00-1304 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	813.22	102.32
33 42 11 00-1305 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1305)</small>		
<small>1227</small> Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1306 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1306)</small>		
33 42 11 00-1307 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.65	11.43
33 42 11 00-1308 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.66	12.39
33 42 11 00-1309 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.26	13.33
33 42 11 00-1310 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	119.23	15.24
33 42 11 00-1311 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.67	17.14
33 42 11 00-1312 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.16	19.05
33 42 11 00-1313 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1305)</small>		
33 42 11 00-1314 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.98	11.43
33 42 11 00-1315 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.33	12.39
33 42 11 00-1316 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	119.83	13.33
33 42 11 00-1317 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.83	15.24
33 42 11 00-1318 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	154.30	17.14
33 42 11 00-1319 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	171.89	19.05
33 42 11 00-1320 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	194.47	22.51
33 42 11 00-1321 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	224.49	26.60
33 42 11 00-1322 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	254.02	30.70
33 42 11 00-1323 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1305)</small>		
33 42 11 00-1324 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	194.65	17.14
33 42 11 00-1325 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.18	19.05
33 42 11 00-1326 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	242.85	22.51
33 42 11 00-1327 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.99	26.60
33 42 11 00-1328 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.59	30.70
33 42 11 00-1329 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	440.70	34.79
33 42 11 00-1330 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	485.03	36.83
33 42 11 00-1331 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1305)</small>		
33 42 11 00-1332 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	450.15	30.70
33 42 11 00-1333 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	521.81	34.79
33 42 11 00-1334 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	575.25	36.83
33 42 11 00-1335 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	668.34	45.02
33 42 11 00-1336 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	756.75	65.48
33 42 11 00-1337 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	816.83	71.62
33 42 11 00-1338 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	873.60	76.74
33 42 11 00-1339 Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0455)</small>		
33 42 11 00-1340 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1339)</small>		



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1341			16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1340)</small>		
33 42 11 00-1342	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	55.16 5.75	10.48
33 42 11 00-1343	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	62.50 6.87	11.43
33 42 11 00-1344	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	71.90 8.18	12.39
33 42 11 00-1345			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1340)</small>		
33 42 11 00-1346	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	62.46 5.73	10.48
33 42 11 00-1347	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	69.51 6.61	11.43
33 42 11 00-1348	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	82.03 8.11	12.39
33 42 11 00-1349	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	92.62 9.31	13.33
33 42 11 00-1350	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	119.31 11.78	17.14
33 42 11 00-1351			12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1340)</small>		
33 42 11 00-1352	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	114.86 8.87	13.33
33 42 11 00-1353	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	147.04 11.19	17.14
33 42 11 00-1354	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	187.39 13.96	22.51
33 42 11 00-1355	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	217.24 16.52	26.60
33 42 11 00-1356			10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1340)</small>		
33 42 11 00-1357	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	222.76 13.48	22.51
33 42 11 00-1358	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	258.57 15.90	26.60
33 42 11 00-1359	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	300.65 18.63	30.70
33 42 11 00-1360	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	336.55 20.72	34.79
33 42 11 00-1361			3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1339)</small>		
33 42 11 00-1362			14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1361)</small>		
33 42 11 00-1363	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	259.30	34.79
33 42 11 00-1364	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	283.92	36.83
33 42 11 00-1365	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	345.52	45.02
33 42 11 00-1366			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1361)</small>		
33 42 11 00-1367	LF		60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	318.16	34.79
33 42 11 00-1368	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	349.10	36.83
33 42 11 00-1369	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	416.71	45.02
33 42 11 00-1370	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	483.68	65.48
33 42 11 00-1371	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	521.56	71.62
33 42 11 00-1372	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	556.75	76.74
33 42 11 00-1373			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1361)</small>		
33 42 11 00-1374	LF		66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	417.55	36.83
33 42 11 00-1375	LF		73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	488.94	45.02
33 42 11 00-1376	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	562.40	65.48
33 42 11 00-1377	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	606.79	71.62
33 42 11 00-1378	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	648.39	76.74
33 42 11 00-1379	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	689.96	81.85
33 42 11 00-1380			Corrugated Steel Pipe Fittings <small>(33 42 11 00-0455)</small> Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1381			Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 42 11 00-1380)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1382	EA		Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	88.92	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1383	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	111.51	
33 42 11 00-1384	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	134.11	
33 42 11 00-1385	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	158.12	
33 42 11 00-1386	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	191.98	
33 42 11 00-1387	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	225.84	
33 42 11 00-1388	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	259.74	
33 42 11 00-1389	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	293.60	
33 42 11 00-1390	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	382.54	
33 42 11 00-1391	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	455.93	
33 42 11 00-1392	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	529.35	
33 42 11 00-1393	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	684.61	
33 42 11 00-1394	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	772.15	
33 42 11 00-1395	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	862.49	
33 42 11 00-1396	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	955.64	
33 42 11 00-1397	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,164.56	
33 42 11 00-1398	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,270.42	
33 42 11 00-1399	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,379.11	
33 42 11 00-1400	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,692.49	
33 42 11 00-1401	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,816.72	
33 42 11 00-1402	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,942.35	
33 42 11 00-1403	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,067.97	
33 42 11 00-1404	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,192.18	
33 42 11 00-1405	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,317.83	
33 42 11 00-1406	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,450.28	
33 42 11 00-1407	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,590.31	
33 42 11 00-1408	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,738.31	
33 42 11 00-1409		Fabricate Corrugated Steel Pipe Tees Or Laterals <small>(33 42 11 00-1380)</small>		
		Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1410	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	115.75	
33 42 11 00-1411	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	148.22	
33 42 11 00-1412	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	180.67	
33 42 11 00-1413	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	213.15	
33 42 11 00-1414	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	259.74	
33 42 11 00-1415	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	307.71	
33 42 11 00-1416	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	355.73	
33 42 11 00-1417	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	403.69	
33 42 11 00-1418	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	529.35	
33 42 11 00-1419	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	630.98	
33 42 11 00-1420	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	734.02	
33 42 11 00-1421	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	952.80	
33 42 11 00-1422	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,072.80	
33 42 11 00-1423	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,197.00	
33 42 11 00-1424	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,324.06	
33 42 11 00-1425	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,614.84	
33 42 11 00-1426	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,758.84	
33 42 11 00-1427	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,905.64	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1428 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,344.61	
33 42 11 00-1429 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,512.60	
33 42 11 00-1430 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,680.58	
33 42 11 00-1431 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,849.95	
33 42 11 00-1432 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,019.37	
33 42 11 00-1433 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,187.32	
33 42 11 00-1434 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,364.64	
33 42 11 00-1435 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,551.82	
33 42 11 00-1436 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,749.39	
33 42 11 00-1437 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1380)		
Note: Applied to pipe tasks.		
33 42 11 00-1438 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	44.35	
33 42 11 00-1439 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	55.79	
33 42 11 00-1440 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	70.18	
33 42 11 00-1441 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	85.94	
33 42 11 00-1442 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	108.75	
33 42 11 00-1443 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	133.17	
33 42 11 00-1444 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	155.98	
33 42 11 00-1445 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	181.21	
33 42 11 00-1446 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	222.58	
33 42 11 00-1447 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	265.37	
33 42 11 00-1448 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	316.64	
33 42 11 00-1449 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	389.51	
33 42 11 00-1450 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	440.87	
33 42 11 00-1451 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	496.50	
33 42 11 00-1452 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	602.10	
33 42 11 00-1453 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	667.71	
33 42 11 00-1454 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	814.68	
33 42 11 00-1455 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	887.47	
33 42 11 00-1456 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	964.54	
33 42 11 00-1457 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,040.11	
33 42 11 00-1458 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,117.16	
33 42 11 00-1459 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,195.62	
33 42 11 00-1460 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,272.69	
33 42 11 00-1461 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,349.72	
33 42 11 00-1462 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,431.42	
33 42 11 00-1463 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,518.03	
33 42 11 00-1464 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,609.90	
33 42 11 00-1465 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1380)		
33 42 11 00-1466 EA 6" Coupling Band, Corrugated Metal Pipe Fitting.....	13.32	
For Bituminous Coated, Add	3.86	
33 42 11 00-1467 EA 8" Coupling Band, Corrugated Metal Pipe Fitting.....	17.68	
For Bituminous Coated, Add	5.13	
33 42 11 00-1468 EA 10" Coupling Band, Corrugated Metal Pipe Fitting.....	22.28	
For Bituminous Coated, Add	6.46	
33 42 11 00-1469 EA 12" Coupling Band, Corrugated Metal Pipe Fitting.....	36.98	
For Bituminous Coated, Add	10.72	
33 42 11 00-1470 EA 15" Coupling Band, Corrugated Metal Pipe Fitting.....	46.62	
For Bituminous Coated, Add	13.52	
33 42 11 00-1471 EA 18" Coupling Band, Corrugated Metal Pipe Fitting.....	68.40	
For Bituminous Coated, Add	19.84	
33 42 11 00-1472 EA 21" Coupling Band, Corrugated Metal Pipe Fitting.....	81.19	
For Bituminous Coated, Add	23.55	
33 42 11 00-1473 EA 24" Coupling Band, Corrugated Metal Pipe Fitting.....	92.06	
For Bituminous Coated, Add	26.70	
33 42 11 00-1474 EA 30" Coupling Band, Corrugated Metal Pipe Fitting.....	159.31	
For Bituminous Coated, Add	46.20	
33 42 11 00-1475 EA 36" Coupling Band, Corrugated Metal Pipe Fitting.....	254.89	
For Bituminous Coated, Add	61.17	
33 42 11 00-1476 EA 42" Coupling Band, Corrugated Metal Pipe Fitting.....	299.49	
For Bituminous Coated, Add	71.88	
33 42 11 00-1477 EA 48" Coupling Band, Corrugated Metal Pipe Fitting.....	335.58	
For Bituminous Coated, Add	80.54	
33 42 11 00-1478 EA 54" Coupling Band, Corrugated Metal Pipe Fitting.....	475.91	
For Bituminous Coated, Add	114.22	
33 42 11 00-1479 EA 60" Coupling Band, Corrugated Metal Pipe Fitting.....	680.70	
For Bituminous Coated, Add	122.53	
33 42 11 00-1480 EA 66" Coupling Band, Corrugated Metal Pipe Fitting.....	836.57	
For Bituminous Coated, Add	150.58	
33 42 11 00-1481 EA 72" Coupling Band, Corrugated Metal Pipe Fitting.....	1,074.62	
For Bituminous Coated, Add	150.45	
33 42 11 00-1482 EA 78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,149.37	
For Bituminous Coated, Add	160.91	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1483 EA 84" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,224.55 171.44	
33 42 11 00-1484 EA 90" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,299.35 181.91	
33 42 11 00-1485 EA 96" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,374.33 192.41	
33 42 11 00-1486 EA 102" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,449.51 202.93	
33 42 11 00-1487 EA 108" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,524.34 213.41	
33 42 11 00-1488 EA 114" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,805.42 216.65	
33 42 11 00-1489 EA 120" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,673.90 200.87	
33 42 11 00-1490 EA 126" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,748.50 209.82	
33 42 11 00-1491 EA 132" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,823.64 218.84	
33 42 11 00-1492 EA 138" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,898.86 227.86	
33 42 13 Stormwater Culverts (33 42)		
33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)		
33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)		
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0914 for crane lifting equipment.		
33 42 13 13-0002 LF 3' x 3' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	403.05 16.12	51.16
33 42 13 13-0003 LF 4' x 2' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	453.98 18.16	51.16
33 42 13 13-0004 LF 4' x 3' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	536.24 21.45	51.16
33 42 13 13-0005 LF 5' x 3' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	643.86 25.75	63.95
33 42 13 13-0006 LF 5' x 4' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	659.53 26.38	63.95
33 42 13 13-0007 LF 5' x 5' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	667.37 26.69	63.95
33 42 13 13-0008 LF 6' x 3' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	688.10 27.52	66.51
33 42 13 13-0009 LF 6' x 4' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	692.02 27.68	66.51
33 42 13 13-0010 LF 6' x 6' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	762.54 30.50	66.51
33 42 13 13-0011 LF 7' x 4' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	782.82 31.31	76.74
33 42 13 13-0012 LF 7' x 6' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	837.58 33.50	104.37
33 42 13 13-0013 LF 8' x 2' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	766.46 30.66	66.51
33 42 13 13-0014 LF 8' x 3' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	786.74 31.47	76.74
33 42 13 13-0015 LF 8' x 4' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	798.49 31.94	76.74
33 42 13 13-0016 LF 8' x 5' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	963.58 38.54	102.32
33 42 13 13-0017 LF 8' x 6' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	966.71 38.67	102.32
33 42 13 13-0018 LF 8' x 8' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,069.91 42.80	127.91
33 42 13 13-0019 LF 9' x 4' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,064.65 42.59	102.32
33 42 13 13-0020 LF 9' x 6' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,127.10 45.08	127.91
33 42 13 13-0021 LF 10' x 3' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,131.02 45.24	127.91
33 42 13 13-0022 LF 10' x 4' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,373.90 54.96	127.91
33 42 13 13-0023 LF 10' x 5' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,440.29 57.61	153.48
33 42 13 13-0024 LF 10' x 6' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,455.95 58.24	153.48
33 42 13 13-0025 LF 10' x 7' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,459.87 58.39	153.48
33 42 13 13-0026 LF 10' x 8' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,465.36 58.61	153.48
33 42 13 13-0027 LF 12' x 3' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,522.32 60.89	179.06
33 42 13 13-0028 LF 12' x 4' Precast Reinforced Concrete Box Culvert..... <i>For Each LF Of Cut-Off Section, Add</i>	1,522.32 60.89	179.06



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

CS

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0029 LF 12' x 6' Precast Reinforced Concrete Box Culvert	1,522.32	179.06
For Each LF Of Cut-Off Section, Add	60.89	
33 42 13 13-0030 LF 12' x 8' Precast Reinforced Concrete Box Culvert	1,522.32	179.06
For Each LF Of Cut-Off Section, Add	60.89	
33 42 13 13-0031 LF 16' x 10' Precast Reinforced Concrete Box Culvert	2,215.49	204.64
For Each LF Of Cut-Off Section, Add	88.62	
33 42 13 13-0032 LF 24' x 10' Precast Reinforced Concrete Box Culvert	3,077.35	204.64
For Each LF Of Cut-Off Section, Add	123.09	
33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways^(33 42 13 13)		
Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0914 for crane lifting equipment.		
33 42 13 13-0034 LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,002.82	51.16
For Each LF Of Cut-Off Section, Add	40.11	
33 42 13 13-0035 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,078.07	51.16
For Each LF Of Cut-Off Section, Add	43.12	
33 42 13 13-0036 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,211.26	51.16
For Each LF Of Cut-Off Section, Add	48.45	
33 42 13 13-0037 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,369.76	63.95
For Each LF Of Cut-Off Section, Add	54.79	
33 42 13 13-0038 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,502.95	63.95
For Each LF Of Cut-Off Section, Add	60.12	
33 42 13 13-0039 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,636.14	63.95
For Each LF Of Cut-Off Section, Add	65.45	
33 42 13 13-0040 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,508.02	66.51
For Each LF Of Cut-Off Section, Add	60.32	
33 42 13 13-0041 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,641.21	66.51
For Each LF Of Cut-Off Section, Add	65.65	
33 42 13 13-0042 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,907.58	66.51
For Each LF Of Cut-Off Section, Add	76.30	
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,794.68	76.74
For Each LF Of Cut-Off Section, Add	71.79	
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,115.78	104.37
For Each LF Of Cut-Off Section, Add	84.63	
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,641.21	66.51
For Each LF Of Cut-Off Section, Add	65.65	
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,794.68	76.74
For Each LF Of Cut-Off Section, Add	71.79	
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,927.86	76.74
For Each LF Of Cut-Off Section, Add	77.11	
33 42 13 13-0048 LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,111.72	102.32
For Each LF Of Cut-Off Section, Add	84.47	
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,244.91	102.32
For Each LF Of Cut-Off Section, Add	89.80	
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,561.98	127.91
For Each LF Of Cut-Off Section, Add	102.48	
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,266.70	102.32
For Each LF Of Cut-Off Section, Add	90.67	
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,602.06	127.91
For Each LF Of Cut-Off Section, Add	104.08	
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,573.08	127.91
For Each LF Of Cut-Off Section, Add	102.92	
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,731.23	127.91
For Each LF Of Cut-Off Section, Add	109.25	
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,940.08	153.48
For Each LF Of Cut-Off Section, Add	117.60	
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,098.23	153.48
For Each LF Of Cut-Off Section, Add	123.93	
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,256.41	153.48
For Each LF Of Cut-Off Section, Add	130.26	
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,414.56	153.48
For Each LF Of Cut-Off Section, Add	136.58	
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,411.43	179.06
For Each LF Of Cut-Off Section, Add	136.46	
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,591.19	179.06
For Each LF Of Cut-Off Section, Add	143.65	
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,950.79	179.06
For Each LF Of Cut-Off Section, Add	158.03	
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,310.38	179.06
For Each LF Of Cut-Off Section, Add	172.42	
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,160.19	204.64
For Each LF Of Cut-Off Section, Add	206.41	
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	6,518.63	204.64
For Each LF Of Cut-Off Section, Add	260.75	

33 42 23 Headwalls and Endwalls for Stormwater Piping^(33 42)

33 42 23 00-0001 Headwalls^(33 42 23)

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0002			Cast In Place Concrete Headwalls (33 42 23 00-0001) Note: Includes concrete, forms, rebar (where required), finish and curing.		
33 42 23 00-0003			Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002) Note: Sized by pipe diameter.		
33 42 23 00-0004	EA		12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,631.54	687.95
33 42 23 00-0005	EA		15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,051.77	733.81
33 42 23 00-0006	EA		18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,687.66	961.19
33 42 23 00-0007	EA		24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,229.61	1,375.89
33 42 23 00-0008	EA		30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,891.31	1,834.52
33 42 23 00-0009	EA		36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,011.93	2,418.11
33 42 23 00-0010	EA		42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,592.30	3,335.48
33 42 23 00-0011	EA		48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,410.51	3,931.08
33 42 23 00-0012	EA		54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	13,717.87	4,785.77
33 42 23 00-0013	EA		60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	16,439.31	5,793.24
33 42 23 00-0014			Precast Concrete Headwalls (33 42 23 00-0001)		
33 42 23 00-0015	EA		12" Pipe, Precast Concrete Headwall	938.52	171.47
33 42 23 00-0016	EA		15" Pipe, Precast Concrete Headwall	967.10	180.99
33 42 23 00-0017	EA		18" Pipe, Precast Concrete Headwall	1,062.89	205.77
33 42 23 00-0018	EA		24" Pipe, Precast Concrete Headwall	1,176.71	219.10
33 42 23 00-0019	EA		30" Pipe, Precast Concrete Headwall	1,603.92	257.21
33 42 23 00-0020	EA		36" Pipe, Precast Concrete Headwall	1,795.50	266.73
33 42 23 00-0021	EA		42" Pipe, Precast Concrete Headwall	2,380.92	315.76
33 42 23 00-0022	EA		48" Pipe, Precast Concrete Headwall	2,634.94	347.89
33 42 23 00-0023	EA		54" Pipe, Precast Concrete Headwall	2,913.04	368.35
33 42 23 00-0024	EA		60" Pipe, Precast Concrete Headwall	3,314.84	368.35
33 42 23 00-0025	EA		72" Pipe, Precast Concrete Headwall	4,036.57	460.44
33 42 23 00-0026	EA		84" Pipe, Precast Concrete Headwall	5,768.34	552.53
33 42 23 00-0027			Precast Concrete Wingwalls (33 42 23 00-0001)		
33 42 23 00-0028	EA		18" ID Pipe (26" Hole) Precast Concrete Wingwall	5,772.70	1,823.34
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029	EA		24" ID Pipe (32" Hole) Precast Concrete Wingwall	6,079.67	2,025.94
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030	EA		30" ID Pipe (42" Hole) Precast Concrete Wingwall	6,591.27	2,363.59
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031	EA		33" ID Pipe (46" Hole) Precast Concrete Wingwall	7,102.87	2,701.25
			Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032	EA		36" ID Pipe (50" Hole) Precast Concrete Wingwall	7,102.87	2,701.25
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033	EA		44" ID Pipe (58" Hole) Precast Concrete Wingwall	7,307.50	2,836.32
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034	EA		48" ID Pipe (62" Hole) Precast Concrete Wingwall	13,367.34	2,903.84
			Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035	EA		52" ID Pipe (66" Hole) Precast Concrete Wingwall	13,674.31	3,106.44
			Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0036			Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)		
33 42 23 00-0037	EA		34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	4,203.57	716.24
33 42 26			End Sections for Stormwater Piping (33 42)		
33 42 26 16			Corrugated Metal End Sections for Stormwater Piping (33 42 26)		
33 42 26 16-0001			Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002			Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003			Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA		12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	268.33	66.68
33 42 26 16-0005	EA		15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	311.71	71.45
33 42 26 16-0006	EA		18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	364.25	76.21
33 42 26 16-0007	EA		21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	441.55	83.35
33 42 26 16-0008	EA		24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	489.20	90.50
33 42 26 16-0009			Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA		30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	790.85	102.41
33 42 26 16-0011	EA		36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,029.14	122.78
33 42 26 16-0012	EA		42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,580.87	143.25
33 42 26 16-0013	EA		48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,931.54	163.72
33 42 26 16-0014	EA		54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,300.67	204.64
33 42 26 16-0015	EA		60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,686.62	245.57



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0016	Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections ^(33 42 26 16-0002)	
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	280.39	66.68
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	324.11	71.45
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	383.31	76.21
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	464.44	83.35
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	515.16	90.50
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	870.54	102.41
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,127.61	122.78
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,796.95	143.25
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,210.39	163.72
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,582.67	204.64
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,579.76	245.57
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,060.70	368.35
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,750.51	491.14
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,174.77	526.95
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,609.33	562.77
33 42 26 16-0032	Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section ^(33 42 26 16-0002)	
33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	35.07	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	39.12	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	44.09	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	47.94	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	53.68	
33 42 26 16-0038 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	93.95	
33 42 26 16-0039 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	101.09	
33 42 26 16-0040 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	138.66	
33 42 26 16-0041 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	148.38	
33 42 26 16-0042 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	181.26	
33 42 26 16-0043 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	185.63	
33 42 26 16-0044 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	198.03	
33 42 26 16-0045 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	224.91	
33 42 26 16-0046 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	251.59	
33 42 26 16-0047 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	257.68	
33 42 26 16-0048	Galvanized Corrugated Steel Pipe-Arch End Sections ^(33 42 26 16-0001)	
33 42 26 16-0049	Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections ^(33 42 26 16-0048)	
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	311.71	71.45
33 42 26 16-0051 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	364.25	76.21
33 42 26 16-0052 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	441.55	83.35
33 42 26 16-0053 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	489.20	90.50
33 42 26 16-0054	Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections ^(33 42 26 16-0048)	
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	301.29	71.45
33 42 26 16-0056 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	345.00	76.21
33 42 26 16-0057 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	386.43	83.35
33 42 26 16-0058 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	436.57	90.50
33 42 26 16-0059 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	640.80	102.41
33 42 26 16-0060 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	938.48	122.78
33 42 26 16-0061 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,462.25	143.25
33 42 26 16-0062 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,852.49	163.72
33 42 26 16-0063	Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections ^(33 42 26 16-0048)	
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	306.58	71.45
33 42 26 16-0065 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	356.48	76.21
33 42 26 16-0066 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	404.38	83.35
33 42 26 16-0067 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	457.85	90.50
33 42 26 16-0068 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	676.97	102.41
33 42 26 16-0069 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	987.82	122.78
33 42 26 16-0070 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,541.18	143.25
33 42 26 16-0071 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,943.33	163.72
33 42 26 16-0072 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,337.99	204.64
33 42 26 16-0073 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,074.14	245.57
33 42 26 16-0074 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,289.89	368.35
33 42 26 16-0075 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,747.45	491.14
33 42 26 16-0076	Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section ^(33 42 26 16-0048)	
33 42 26 16-0077 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	39.12	
33 42 26 16-0078 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	44.09	
33 42 26 16-0079 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	47.94	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0080 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	53.68	
33 42 26 16-0081 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	93.95	
33 42 26 16-0082 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	101.09	
33 42 26 16-0083 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	138.66	
33 42 26 16-0084 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	154.36	
33 42 26 16-0085 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	181.26	
33 42 26 16-0086 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	188.00	
33 42 26 16-0087 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	217.40	
33 42 26 16-0088 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	246.23	
33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)		
33 42 26 16-0091 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	408.48	66.68
33 42 26 16-0092 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	471.28	71.45
33 42 26 16-0093 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	559.54	76.21
33 42 26 16-0094 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	694.72	83.35
33 42 26 16-0095 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	909.08	90.50
33 42 26 16-0096 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,366.42	102.41
33 42 26 16-0097 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,861.55	122.78
33 42 26 16-0098 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,320.08	122.78
33 42 26 16-0099 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,960.39	143.25
33 42 26 16-0100 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	4,229.11	163.72
33 42 26 16-0101 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	4,682.34	204.64
33 42 26 16-0102 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,313.87	245.57
33 42 26 16-0103 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,143.06	368.35
33 42 26 16-0104 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,349.10	491.14
33 42 26 16-0105 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,119.52	526.95
33 42 26 16-0106 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,622.13	562.77
33 42 26 16-0107 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	13,178.48	613.92
33 42 26 16-0108 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	14,590.46	665.08
33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)		
33 42 26 16-0110 EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	63.94	
33 42 26 16-0111 EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	67.84	
33 42 26 16-0112 EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	73.68	
33 42 26 16-0113 EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	83.02	
33 42 26 16-0114 EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	88.03	
33 42 26 16-0115 EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	113.92	
33 42 26 16-0116 EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	136.17	
33 42 26 16-0117 EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	143.83	
33 42 26 16-0118 EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	157.78	
33 42 26 16-0119 EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	178.34	
33 42 26 16-0120 EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	210.99	
33 42 26 16-0121 EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	296.20	
33 42 26 16-0122 EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	318.69	
33 42 26 16-0123 EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	403.07	
33 42 26 16-0124 EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	436.10	
33 42 26 16-0125 EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	464.64	
33 42 26 16-0126 EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	494.67	
33 42 26 16-0127 EA Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	525.01	
33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)		
33 42 26 16-0130 EA 17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	486.10	71.45
33 42 26 16-0131 EA 21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	595.67	76.21
33 42 26 16-0132 EA 24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	646.80	83.35
33 42 26 16-0133 EA 28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	697.88	90.50
33 42 26 16-0134 EA 35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,049.62	102.41
33 42 26 16-0135 EA 42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,882.62	122.78
33 42 26 16-0136 EA 42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,998.88	122.78
33 42 26 16-0137 EA 49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,673.65	143.25
33 42 26 16-0138 EA 57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,117.45	163.72
33 42 26 16-0139 EA 64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,712.66	204.64
33 42 26 16-0140 EA 71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,698.20	245.57
33 42 26 16-0141 EA 77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,549.61	368.35
33 42 26 16-0142 EA 83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	10,013.46	491.14
33 42 26 16-0143 EA 87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	10,903.63	526.95
33 42 26 16-0144 EA 95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	11,379.46	562.77
33 42 26 16-0145 EA 103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,403.65	613.92
33 42 26 16-0146 EA 112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,138.82	665.08
33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)		
33 42 26 16-0148 EA Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	67.84	
33 42 26 16-0149 EA Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	73.68	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0150 EA Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	77.66	
33 42 26 16-0151 EA Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	85.08	
33 42 26 16-0152 EA Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	97.08	
33 42 26 16-0153 EA Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	126.49	
33 42 26 16-0154 EA Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	138.70	
33 42 26 16-0155 EA Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	157.78	
33 42 26 16-0156 EA Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	178.34	
33 42 26 16-0157 EA Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	210.99	
33 42 26 16-0158 EA Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	269.04	
33 42 26 16-0159 EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	341.43	
33 42 26 16-0160 EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	459.91	
33 42 26 16-0161 EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	522.62	
33 42 26 16-0162 EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	547.17	
33 42 26 16-0163 EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	567.09	
33 42 26 16-0164 EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	591.54	
33 42 26 16-0165 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0166 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0167 EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	628.44	71.45
33 42 26 16-0168 EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	811.45	76.21
33 42 26 16-0169 EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	994.93	83.35
33 42 26 16-0170 EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,191.48	90.50
33 42 26 16-0171 EA 30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,259.68	102.41
33 42 26 16-0172 EA 36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,649.85	122.78
33 42 26 16-0173 EA 42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	2,616.37	143.25
33 42 26 16-0174 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
Note: Includes nut and bolt set.		
33 42 26 16-0175 EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	449.99	
33 42 26 16-0176 EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	906.98	
33 42 26 16-0177 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	995.32	
33 42 26 16-0178 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	1,034.50	
33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0180 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	658.55	71.45
33 42 26 16-0181 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	865.61	76.21
33 42 26 16-0182 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,154.29	83.35
33 42 26 16-0183 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,357.12	90.50
33 42 26 16-0184 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,611.30	102.41
33 42 26 16-0185 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,960.21	122.78
33 42 26 16-0186 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	3,004.68	143.25
33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
Note: Includes nut and bolt set.		
33 42 26 16-0188 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	879.62	
33 42 26 16-0189 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	933.18	
33 42 26 16-0190 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	1,026.28	
33 42 26 16-0191 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	1,077.36	
33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)		
33 42 26 16-0193 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section.....	75.81	
33 42 26 16-0194 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section.....	85.25	
33 42 26 16-0195 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section.....	92.80	
33 42 26 16-0196 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section.....	103.68	
33 42 26 16-0197 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section.....	157.08	
33 42 26 16-0198 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section.....	168.61	
33 42 26 16-0199 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section.....	227.07	
33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)		
33 42 26 16-0202 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	748.03	76.21
33 42 26 16-0203 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	940.29	83.35
33 42 26 16-0204 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,114.11	90.50
33 42 26 16-0205 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	2,109.18	102.41
33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)		
Note: Includes nut and bolt set.		

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	536.77	
	33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	982.05	
	33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,034.50	
	33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,524.93	
33 42 26 16-0211			Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0200)</small>		
	33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	76.60	
	33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	87.01	
	33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	94.86	
	33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	112.73	
33 42 26 19			Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping <small>(33 42 26)</small>		
33 42 26 19-0001			Corrugated High Density Polyethylene (HDPE) Pipe End Sections <small>(33 42 26 19)</small>		
	33 42 26 19-0002	EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	69.11	21.98
	33 42 26 19-0003	EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	131.32	32.98
	33 42 26 19-0004	EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	179.44	41.22
	33 42 26 19-0005	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	282.28	65.96
	33 42 26 19-0006	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	336.56	74.20
	33 42 26 19-0007	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	356.96	79.70
	33 42 26 19-0008	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	427.52	87.95
	33 42 26 19-0009	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	555.37	104.43
	33 42 26 19-0010	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	1,176.76	118.17
	33 42 26 19-0011	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	1,439.36	131.91
33 42 26 23			Concrete End Sections for Stormwater Piping <small>(33 42 26)</small>		
33 42 26 23-0001			Precast Concrete End Sections <small>(33 42 26 23)</small>		
33 42 26 23-0002			Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
	33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section.....	663.27	111.75
	33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section.....	890.26	138.32
	33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section.....	1,102.33	175.09
	33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section.....	1,265.09	209.39
	33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section.....	1,344.73	242.34
	33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section.....	1,694.80	304.92
	33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section.....	2,101.98	457.98
	33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section.....	2,595.56	577.91
	33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section.....	3,140.81	724.94
	33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section.....	3,442.76	817.54
	33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section.....	3,755.65	915.76
	33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section.....	4,076.47	1,018.09
	33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section.....	4,049.93	812.10
	33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section.....	4,639.42	1,015.11
	33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section.....	5,516.69	1,268.89
	33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section.....	6,527.92	1,522.66
33 42 26 23-0019			Flared Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
	33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section.....	835.05	119.20
	33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section.....	1,005.69	148.57
	33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section.....	1,221.11	188.06
	33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section.....	1,395.56	224.90
	33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section.....	1,702.58	260.30
	33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section.....	2,055.55	415.72
	33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section.....	2,141.79	572.38
	33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section.....	2,892.64	722.38
	33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section.....	3,472.03	906.35
	33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section.....	3,757.84	1,022.18
	33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section.....	4,203.22	1,144.86
	33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section.....	4,657.05	1,271.64
	33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section.....	5,431.48	1,465.12
	33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section.....	6,333.47	1,635.29
	33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section.....	7,181.59	1,839.62
	33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section.....	8,282.57	2,043.75
33 42 26 23-0036			Elliptical Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
	33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section.....	1,455.79	188.06
	33 42 26 23-0038	EA	19" x 30" Elliptical Precast Concrete End Section.....	2,030.51	260.30
	33 42 26 23-0039	EA	22" x 34" Elliptical Precast Concrete End Section.....	2,413.40	415.72
	33 42 26 23-0040	EA	24" x 38" Elliptical Precast Concrete End Section.....	2,462.35	572.38
	33 42 26 23-0041	EA	27" x 42" Elliptical Precast Concrete End Section.....	2,903.51	647.69
	33 42 26 23-0042	EA	29" x 45" Elliptical Precast Concrete End Section.....	3,344.66	722.38
	33 42 26 23-0043	EA	34" x 53" Elliptical Precast Concrete End Section.....	3,999.88	906.35



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0044 EA 38" x 60" Elliptical Precast Concrete End Section	4,313.62	1,022.18
33 42 26 23-0045 EA 43" x 68" Elliptical Precast Concrete End Section	4,824.32	1,144.86
33 42 26 23-0046 EA 48" x 76" Elliptical Precast Concrete End Section	5,343.82	1,271.64
33 42 26 23-0047 Mitered Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0048 EA 12" Round Mitered Precast Concrete End Sections	503.76	119.20
33 42 26 23-0049 EA 15" Round Mitered Precast Concrete End Sections	546.73	148.57
33 42 26 23-0050 EA 18" Round Mitered Precast Concrete End Sections	658.14	188.06
33 42 26 23-0051 EA 24" Round Mitered Precast Concrete End Sections	954.48	260.30
33 42 26 23-0052 EA 12" x 18" Elliptical Mitered Precast Concrete End Sections.....	587.48	148.57
33 42 26 23-0053 EA 14" x 23" Elliptical Mitered Precast Concrete End Sections.....	730.57	188.06
33 42 26 23-0054 EA 19" x 30" Elliptical Mitered Precast Concrete End Sections.....	1,042.74	260.30
33 42 31 Stormwater Area Drains and Inlets (33 42 31)		
33 42 31 00-0001 Storm Drains (33 42 31) See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002) Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,960.02	338.37
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,349.82	396.46
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,739.62	454.45
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,129.42	512.55
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,519.22	570.54
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,618.60	336.33
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,216.71	448.44
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,068.28	611.51
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,984.93	713.43
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,664.11	815.34
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,820.38	366.91
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,911.46	509.59
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,734.31	662.47
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,465.82	764.38
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,922.75	978.41
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002) Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,398.25	409.10
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,541.19	434.99
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,786.13	467.19
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,146.06	517.13
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,402.83	550.46
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,560.85	577.26
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,817.81	610.59
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,971.89	637.50
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	4,230.39	670.73
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	4,386.89	697.63
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	4,643.75	730.95
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	580.50	91.32
33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,755.46	472.90
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,935.90	506.12
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,191.33	539.46
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,612.22	597.45
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,893.14	635.16
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,075.12	666.45
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,359.79	704.15
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,541.77	735.44
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,824.11	773.15
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,006.89	804.44
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,289.33	842.15
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	661.20	105.28

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0049			4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
	EA		3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,137.73	540.98
	EA		3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,328.67	575.33
	EA		4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,620.09	615.99
	EA		4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,102.56	682.14
	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,411.28	724.23
	EA		5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,619.42	760.00
	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,928.15	802.10
	EA		6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,135.51	837.87
	EA		7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,444.23	879.96
	EA		7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,652.38	915.73
	EA		8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,961.10	957.93
	VLF		>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	745.11	119.76
33 42 31 00-0062			4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
	EA		3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,617.37	627.30
	EA		3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,839.82	662.78
	EA		4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,160.53	708.64
	EA		4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,710.96	783.86
	EA		5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,051.91	831.35
	EA		5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,292.38	872.42
	EA		6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,634.11	919.91
	EA		6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,874.59	961.09
	EA		7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,215.54	1,008.58
	EA		7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,454.47	1,049.66
	EA		8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,797.74	1,097.15
	VLF		>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	849.76	137.18
33 42 31 00-0075			5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)		
	EA		4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,653.71	795.67
	EA		4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,266.82	879.25
	EA		5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,635.97	931.33
	EA		5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,903.13	976.98
	EA		6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,268.43	1,028.97
	EA		6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,537.12	1,074.62
	EA		7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,904.75	1,126.71
	EA		7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,169.58	1,172.37
	EA		8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,538.74	1,224.34
	VLF		>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,401.70	153.08
33 42 31 00-0086			5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
	EA		4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,170.15	887.30
	EA		4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,031.23	1,004.41
	EA		5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,437.72	1,062.29
	EA		5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,742.20	1,114.17
	EA		6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,151.01	1,172.47
	EA		6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,467.51	1,224.34
	EA		7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,863.51	1,282.64
	EA		7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,168.00	1,334.51
	EA		8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,574.49	1,392.81
	VLF		>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,071.80	174.08
33 42 31 00-0097			6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
	EA		4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,714.41	983.21
	EA		4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,663.16	1,111.72
	EA		5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,098.47	1,174.71
	EA		5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,431.00	1,231.28
	EA		6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,864.77	1,294.26
	EA		6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,199.61	1,350.82
	EA		7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,632.61	1,413.81
	EA		7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,965.92	1,470.38
	EA		8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,401.24	1,533.36
	VLF		>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,175.20	191.71
33 42 31 00-0108			6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
	EA		4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,282.61	1,083.70
	EA		4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,553.75	1,255.53
	EA		5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,029.87	1,325.25
	EA		5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,405.41	1,388.53
	EA		6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,881.52	1,458.15
	EA		6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,257.07	1,521.54
	EA		7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,733.18	1,591.15
	EA		7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,108.72	1,654.44
	EA		8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,587.16	1,724.15



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,323.34	215.56
33 42 31 00-0119			7' x 7', Cast In Place, Catch Basins <small>(33 42 31 00-0022)</small>		
	33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	6,876.49	1,188.57
	33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,267.26	1,376.10
	33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,772.81	1,450.70
	33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,175.57	1,518.79
	33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,682.55	1,593.29
	33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,085.31	1,661.47
	33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,590.86	1,735.97
	33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,995.16	1,804.15
	33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,500.61	1,878.66
	33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,437.63	234.82
33 42 31 00-0130			7'-6" x 7'-6", Cast In Place, Catch Basins <small>(33 42 31 00-0022)</small>		
	33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	7,760.73	1,334.01
	33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,010.31	1,501.56
	33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,542.97	1,580.96
	33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,976.70	1,653.93
	33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,510.81	1,733.32
	33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,944.54	1,806.30
	33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,477.20	1,885.69
	33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,910.94	1,958.66
	33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,445.14	2,038.06
	33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,555.61	254.79
33 42 31 00-0141			8' x 8', Cast In Place, Catch Basins <small>(33 42 31 00-0022)</small>		
	33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,430.91	1,451.42
	33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,780.35	1,631.92
	33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,341.77	1,716.10
	33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,804.94	1,793.96
	33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,366.26	1,878.15
	33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,826.35	1,956.01
	33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,390.74	2,040.20
	33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,853.91	2,118.07
	33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,406.19	2,202.25
	33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,676.90	275.28
33 42 31 00-0152			Precast Concrete Catch Basins <small>(33 42 31 00-0002)</small>		
			Note: Inside dimensions.		
33 42 31 00-0153			1'-6" Diameter Precast Catch Basins <small>(33 42 31 00-0152)</small>		
	33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	771.53	208.67
	33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,058.13	313.01
	33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,328.16	406.91
	33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,597.56	480.98
	33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,954.41	610.36
	33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,231.41	704.26
	33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	154.21	46.95
33 42 31 00-0161			2' Diameter Precast Catch Basins <small>(33 42 31 00-0152)</small>		
	33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	882.98	232.14
	33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,204.13	344.31
	33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,506.00	453.86
	33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,806.58	529.50
	33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,221.59	678.18
	33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,533.37	782.52
	33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	175.04	56.34
33 42 31 00-0169			3' Diameter Precast Catch Basins <small>(33 42 31 00-0152)</small>		
	33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	1,190.64	273.88
	33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,601.48	404.82
	33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,991.74	534.72
	33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,480.81	667.75
	33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,923.09	796.08
	33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	3,346.41	926.50
	33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	228.35	66.17
33 42 31 00-0177			4' Diameter Precast Catch Basins <small>(33 42 31 00-0152)</small>		
	33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,460.53	304.66
	33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,883.47	417.34
	33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	2,471.38	626.01
	33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	3,083.48	782.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin	3,634.87	939.02
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin	4,163.93	1,095.53
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	283.38	78.25
33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin	1,960.80	417.34
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin	2,643.23	626.01
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin	3,328.72	834.68
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin	4,056.57	1,043.36
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin	4,770.29	1,252.02
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin	5,543.88	1,460.70
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	376.89	104.34
33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin	2,858.04	626.01
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin	3,806.72	939.02
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin	4,831.73	1,252.02
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin	6,018.18	1,565.03
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin	7,161.67	1,878.04
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin	8,270.35	2,191.04
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	561.09	156.51
33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat.....	1,494.45	678.18
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	860.00	83.47
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	450.90	88.68
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring	548.57	130.42
For Each Additional Inch In Height, Add	69.68	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring	645.05	156.51
For Each Additional Inch In Height, Add	81.40	
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring	752.62	182.59
For Each Additional Inch In Height, Add	95.04	
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring	917.53	260.84
For Each Additional Inch In Height, Add	109.50	
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade.....	625.98	
33 42 31 00-0210 Catch Basin Risers (33 42 31 00-0152)		
33 42 31 00-0211 EA Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	401.79	
33 42 31 00-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	449.72	
33 42 31 00-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	506.76	
33 42 31 00-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	432.71	
33 42 31 00-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	483.85	
33 42 31 00-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	547.07	
33 42 31 00-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	479.21	
33 42 31 00-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	524.60	
33 42 31 00-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	588.02	
33 42 31 00-0220 Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)		
Note: Inside span.		
33 42 31 00-0221 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,094.62	806.99
33 42 31 00-0222 EA 6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,794.10	920.93
33 42 31 00-0223 EA 6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,571.55	1,045.17
33 42 31 00-0224 EA 7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,890.55	1,253.80
33 42 31 00-0225 EA 8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,560.16	1,513.69
33 42 31 00-0226 Precast Concrete Inlet Boxes (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0227 Precast Concrete Inlet Boxes (33 42 31 00-0226)		
33 42 31 00-0228 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
Note: Yard inlet.		
33 42 31 00-0229 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)		
33 42 31 00-0230 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	815.76	73.03
33 42 31 00-0231 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	958.67	88.68
33 42 31 00-0232 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,101.59	104.34
33 42 31 00-0233 EA 42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,245.81	120.64
33 42 31 00-0234 24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)		
33 42 31 00-0235 EA 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	200.29	
33 42 31 00-0236 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	327.57	
33 42 31 00-0237 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	465.26	
33 42 31 00-0238 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	602.97	
33 42 31 00-0239 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	740.66	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0240 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	878.36	
33 42 31 00-0241 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0242 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)		
33 42 31 00-0243 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,664.30	204.64
33 42 31 00-0244 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,871.29	236.62
33 42 31 00-0245 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,078.27	268.59
33 42 31 00-0246 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,285.41	300.64
33 42 31 00-0247 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,492.55	332.70
33 42 31 00-0248 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,699.68	364.75
33 42 31 00-0249 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,906.83	396.80
33 42 31 00-0250 22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)		
33 42 31 00-0251 EA 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	391.90	
33 42 31 00-0252 EA 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	637.73	
33 42 31 00-0253 EA 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	689.94	
33 42 31 00-0254 EA 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	885.15	
33 42 31 00-0255 EA 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,080.35	
33 42 31 00-0256 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,267.49	
33 42 31 00-0257 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,474.48	
33 42 31 00-0258 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,681.46	
33 42 31 00-0259 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,888.60	
33 42 31 00-0260 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,095.74	
33 42 31 00-0261 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,302.87	
33 42 31 00-0262 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,510.01	
33 42 31 00-0263 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0264 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)		
33 42 31 00-0265 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,600.72	225.10
33 42 31 00-0266 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,807.60	260.28
33 42 31 00-0267 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,014.47	295.45
33 42 31 00-0268 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,221.51	330.71
33 42 31 00-0269 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,428.55	365.96
33 42 31 00-0270 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,635.60	401.22
33 42 31 00-0271 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,842.63	436.48
33 42 31 00-0272 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)		
33 42 31 00-0273 EA 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	387.94	
33 42 31 00-0274 EA 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	624.43	
33 42 31 00-0275 EA 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	677.66	
33 42 31 00-0276 EA 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	868.41	
33 42 31 00-0277 EA 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,059.17	
33 42 31 00-0278 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,248.91	
33 42 31 00-0279 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,452.96	
33 42 31 00-0280 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,655.99	
33 42 31 00-0281 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,860.05	
33 42 31 00-0282 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,063.08	
33 42 31 00-0283 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,267.14	
33 42 31 00-0284 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,471.21	
33 42 31 00-0285 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0286 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)		
33 42 31 00-0287 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,907.23	245.57
33 42 31 00-0288 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,150.33	285.47
33 42 31 00-0289 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,393.43	326.41
33 42 31 00-0290 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,635.52	366.30
33 42 31 00-0291 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,878.62	407.23
33 42 31 00-0292 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,121.73	447.14
33 42 31 00-0293 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,363.81	487.05
33 42 31 00-0294 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)		
33 42 31 00-0295 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	429.62	
33 42 31 00-0296 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	705.78	
33 42 31 00-0297 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	760.52	
33 42 31 00-0298 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	977.53	
33 42 31 00-0299 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,194.55	
33 42 31 00-0300 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,411.56	
33 42 31 00-0301 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,642.39	
33 42 31 00-0302 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,873.21	
33 42 31 00-0303 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,104.03	
33 42 31 00-0304 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,334.87	
33 42 31 00-0305 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,565.70	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0306 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,796.51	
33 42 31 00-0307 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)		
33 42 31 00-0308 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,079.78	153.48
33 42 31 00-0309 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0310 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)		
33 42 31 00-0311 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,717.57	272.86
33 42 31 00-0312 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,043.89	317.70
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,370.22	362.55
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,696.20	407.23
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,022.19	451.93
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,348.18	496.61
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,674.18	541.30
33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	431.02	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	694.93	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,016.83	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,338.72	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,643.55	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,965.44	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,291.77	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,618.09	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,944.07	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,270.06	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,596.06	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,922.05	
33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,173.63	166.27
33 42 31 00-0333 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0334 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)		
33 42 31 00-0335 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,128.34	343.80
33 42 31 00-0336 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,485.89	401.23
33 42 31 00-0337 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,843.43	458.68
33 42 31 00-0338 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,200.35	515.80
33 42 31 00-0339 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,557.26	572.92
33 42 31 00-0340 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,914.17	630.04
33 42 31 00-0341 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,271.08	687.17
33 42 31 00-0342 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)		
33 42 31 00-0343 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	471.87	
33 42 31 00-0344 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	743.18	
33 42 31 00-0345 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,100.45	
33 42 31 00-0346 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,457.71	
33 42 31 00-0347 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,786.33	
33 42 31 00-0348 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,143.58	
33 42 31 00-0349 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,501.13	
33 42 31 00-0350 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,858.68	
33 42 31 00-0351 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,215.59	
33 42 31 00-0352 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,572.50	
33 42 31 00-0353 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,929.41	
33 42 31 00-0354 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	4,286.32	
33 42 31 00-0355 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)		
33 42 31 00-0356 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,304.59	186.22
33 42 31 00-0357 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0358 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)		
33 42 31 00-0359 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,912.86	463.51
33 42 31 00-0360 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,364.73	540.25
33 42 31 00-0361 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,816.60	615.97
33 42 31 00-0362 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,267.44	692.71
33 42 31 00-0363 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,719.31	768.43
33 42 31 00-0364 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	6,170.16	844.14
33 42 31 00-0365 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	6,623.05	920.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0366 42" x 102" ID, Precast Concrete Inlet Box Risers <small>(33 42 31 00-0357)</small>		
33 42 31 00-0367 EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	629.90	
33 42 31 00-0368 EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	975.36	
33 42 31 00-0369 EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,420.06	
33 42 31 00-0370 EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,864.77	
33 42 31 00-0371 EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,279.80	
33 42 31 00-0372 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,724.50	
33 42 31 00-0373 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,176.37	
33 42 31 00-0374 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,628.24	
33 42 31 00-0375 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,079.08	
33 42 31 00-0376 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,530.95	
33 42 31 00-0377 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,981.80	
33 42 31 00-0378 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,433.66	
33 42 31 00-0379 42" x 102" ID, Precast Concrete Inlet Box Tops <small>(33 42 31 00-0357)</small>		
33 42 31 00-0380 EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,786.84	204.64
33 42 31 00-0381 Frames And Grates For Inlets <small>(33 42 31 00-0226)</small>		
33 42 31 00-0382 Inlet Frames And Grates <small>(33 42 31 00-0381)</small>		
33 42 31 00-0383 EA 24" x 24", Heavy Duty Inlet Grate	403.86	47.63
Note: For type A, B, D, or E inlets.		
33 42 31 00-0384 EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT).....	526.54	47.63
Note: For type A, B, D, or E inlets.		
33 42 31 00-0385 EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT).....	526.54	47.63
Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386 EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT	526.54	47.63
Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0387 EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	577.88	47.63
33 42 31 00-0388 EA Type B Inlet Dirt Plate (US Foundry 5217 BK).....	416.44	95.26
33 42 31 00-0389 EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	488.32	95.26
33 42 31 00-0390 EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)	607.82	119.08
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391 EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	515.40	119.08
33 42 31 00-0392 EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	525.67	119.08
33 42 31 00-0393 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	546.21	119.08
33 42 31 00-0394 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	566.74	119.08
33 42 31 00-0395 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	546.21	119.08
33 42 31 00-0396 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	566.74	119.08
33 42 31 00-0397 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	587.28	119.08
33 42 31 00-0398 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	854.26	119.08
33 42 31 00-0399 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	895.33	119.08
33 42 31 00-0400 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	936.41	119.08
33 42 31 00-0401 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	628.35	119.08
33 42 31 00-0402 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	566.74	119.08
33 42 31 00-0403 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	566.74	119.08
33 42 31 00-0404 EA 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	1,184.63	119.08
33 42 31 00-0405 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	1,184.63	119.08
33 42 31 00-0406 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	467.34	130.98
33 42 31 00-0407 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648)	662.44	130.98
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0408 EA 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848)	662.44	130.98
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0409 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048)	734.32	130.98
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0410 EA Type B Inlet Frame (US Foundry 5216 FRM)	847.27	130.98
33 42 31 00-0411 EA Type D Inlet Frame (US Foundry 2999 FRM)	724.05	130.98
33 42 31 00-0412 EA Type B Inlet Frame (Campbell Foundry 2618-0202).....	1,042.38	130.98
33 42 31 00-0413 EA Type D Inlet Frame (Campbell Foundry 2617-0002)	919.15	130.98
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (US Foundry 52340).....	1,181.99	190.53
33 42 31 00-0415 EA Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,921.33	190.53
33 42 31 00-0416 EA Type A Inlet, Single Frame And Grate (General Foundries 52340).....	1,151.19	190.53
33 42 31 00-0417 EA Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,824.80	190.53
33 42 31 00-0418 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	1,937.28	285.78
33 42 31 00-0419 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	1,972.70	381.05
33 42 31 00-0420 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	2,168.87	381.05
33 42 31 00-0421 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	2,168.87	381.05
33 42 31 00-0422 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	1,912.16	381.05
33 42 31 00-0423 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	1,912.16	381.05
33 42 31 00-0424 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	2,251.02	381.05
33 42 31 00-0425 Catch Basin Frames And Covers <small>(33 42 31 00-0001)</small>		
33 42 31 00-0426 Cast Iron Frames And Covers <small>(33 42 31 00-0425)</small>		
33 42 31 00-0427 EA 18" Diameter Cast Iron Catch Basin Frame And Cover	782.70	104.34
33 42 31 00-0428 EA 22" Diameter Cast Iron Catch Basin Frame And Cover	989.50	117.90
33 42 31 00-0429 EA 24" Diameter Cast Iron Catch Basin Frame And Cover	1,119.86	122.07

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0430 EA 26" Diameter Cast Iron Catch Basin Frame And Cover	1,261.91	141.90
33 42 31 00-0431 EA 28" Diameter Cast Iron Catch Basin Frame And Cover	1,479.20	161.72
33 42 31 00-0432 EA 32" Diameter Cast Iron Catch Basin Frame And Cover	2,357.87	169.02
33 42 31 00-0433 EA 16" x 16" Cast Iron Catch Basin Frame And Cover	1,278.66	128.33
33 42 31 00-0434 EA 18" x 24" Cast Iron Catch Basin Frame And Cover	1,666.62	148.16
33 42 31 00-0435 EA 20" x 27" Cast Iron Catch Basin Frame And Cover	1,884.28	154.41
33 42 31 00-0436 EA 23" x 23" Cast Iron Catch Basin Frame And Cover	1,780.62	154.41
33 42 31 00-0437 EA 24" x 24" Cast Iron Catch Basin Frame And Cover	1,840.42	160.68
33 42 31 00-0438 EA 26" x 26" Cast Iron Catch Basin Frame And Cover	1,976.23	166.94
33 42 31 00-0439 EA 24" x 36" Cast Iron Catch Basin Frame And Cover	2,375.22	179.46
33 42 31 00-0440 Area Yard Drain (33 42 31 00-0001) See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441 Ductile Iron Grates (33 42 31 00-0440) Note: Not for traffic loading.		
33 42 31 00-0442 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	173.84	41.22
33 42 31 00-0443 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	212.98	43.97
33 42 31 00-0444 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	494.56	54.96
33 42 31 00-0445 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	590.95	65.96
33 42 31 00-0446 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)		
33 42 31 00-0447 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0448 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,331.74	
33 42 31 00-0449 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,875.46	
33 42 31 00-0450 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,382.12	
33 42 31 00-0451 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,851.69	
33 42 31 00-0452 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	5,284.20	
33 42 31 00-0453 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	5,679.64	
33 42 31 00-0454 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,728.36	
33 42 31 00-0455 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,015.80	
33 42 31 00-0456 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,206.93	
33 42 31 00-0457 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,303.86	
33 42 31 00-0458 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	12,368.06	
33 42 31 00-0459 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	13,351.27	
33 42 31 00-0460 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	14,253.47	
33 42 31 00-0461 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0462 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,536.83	
33 42 31 00-0463 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,046.65	
33 42 31 00-0464 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,519.40	
33 42 31 00-0465 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,955.06	
33 42 31 00-0466 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,352.61	
33 42 31 00-0467 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,714.15	
33 42 31 00-0468 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,702.02	
33 42 31 00-0469 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,960.05	
33 42 31 00-0470 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,121.78	
33 42 31 00-0471 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,188.27	
33 42 31 00-0472 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,227.50	
33 42 31 00-0473 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,185.72	
33 42 31 00-0474 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,062.95	
33 42 31 00-0475 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0476 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,647.41	
33 42 31 00-0477 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,126.20	
33 42 31 00-0478 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,566.88	
33 42 31 00-0479 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,971.52	
33 42 31 00-0480 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,338.04	
33 42 31 00-0481 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,667.52	
33 42 31 00-0482 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,675.67	
33 42 31 00-0483 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,903.26	
33 42 31 00-0484 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,036.64	
33 42 31 00-0485 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,073.73	
33 42 31 00-0486 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,086.93	
33 42 31 00-0487 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,020.17	
33 42 31 00-0488 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,871.37	
33 42 31 00-0489 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0490 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,230.59	
33 42 31 00-0491 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,663.91	
33 42 31 00-0492 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,060.19	
33 42 31 00-0493 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,419.39	
33 42 31 00-0494 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,741.51	
33 42 31 00-0495 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,026.57	
33 42 31 00-0496 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,055.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0497 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,240.87	
33 42 31 00-0498 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,331.47	
33 42 31 00-0499 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,326.82	
33 42 31 00-0500 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,305.60	
33 42 31 00-0501 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,202.31	
33 42 31 00-0502 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	17,018.04	
33 42 31 00-0503 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0504 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	10,444.17	
33 42 31 00-0505 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	10,786.74	
33 42 31 00-0506 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	11,092.23	
33 42 31 00-0507 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	11,360.66	
33 42 31 00-0508 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	11,590.97	
33 42 31 00-0509 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	11,785.25	
33 42 31 00-0510 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,752.84	
33 42 31 00-0511 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,856.61	
33 42 31 00-0512 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,865.12	
33 42 31 00-0513 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,778.38	
33 42 31 00-0514 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	17,687.30	
33 42 31 00-0515 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,514.19	
33 42 31 00-0516 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	19,260.07	
33 42 31 00-0517 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0518 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,505.64	
33 42 31 00-0519 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,068.80	
33 42 31 00-0520 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,589.58	
33 42 31 00-0521 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,067.99	
33 42 31 00-0522 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,505.06	
33 42 31 00-0523 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,900.78	
33 42 31 00-0524 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,061.08	
33 42 31 00-0525 EA 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,462.51	
33 42 31 00-0526 EA 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,756.91	
33 42 31 00-0527 EA 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,943.23	
33 42 31 00-0528 EA 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,101.19	
33 42 31 00-0529 EA 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,168.08	
33 42 31 00-0530 EA 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	17,142.86	
33 42 31 00-0531 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0532 EA 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,710.74	
33 42 31 00-0533 EA 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,238.94	
33 42 31 00-0534 EA 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,725.82	
33 42 31 00-0535 EA 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,171.35	
33 42 31 00-0536 EA 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,574.50	
33 42 31 00-0537 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,935.29	
33 42 31 00-0538 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,095.59	
33 42 31 00-0539 EA 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,465.20	
33 42 31 00-0540 EA 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,727.77	
33 42 31 00-0541 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,883.31	
33 42 31 00-0542 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,014.13	
33 42 31 00-0543 EA 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	17,053.90	
33 42 31 00-0544 EA 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,002.61	
33 42 31 00-0545 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0546 EA 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,244.78	
33 42 31 00-0547 EA 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,686.78	
33 42 31 00-0548 EA 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,098.08	
33 42 31 00-0549 EA 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,480.79	
33 42 31 00-0550 EA 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,834.89	
33 42 31 00-0551 EA 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,158.31	
33 42 31 00-0552 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0553 EA 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,095.45	
33 42 31 00-0554 EA 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,593.09	
33 42 31 00-0555 EA 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,056.82	
33 42 31 00-0556 EA 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,486.64	
33 42 31 00-0557 EA 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,882.57	
33 42 31 00-0558 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,243.52	
33 42 31 00-0559 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,099.55	
33 42 31 00-0560 EA 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,287.53	
33 42 31 00-0561 EA 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,387.86	
33 42 31 00-0562 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,400.55	
33 42 31 00-0563 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,383.05	
33 42 31 00-0564 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,291.08	
33 42 31 00-0565 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,123.55	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0566	Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0567	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,433.83	
	33 42 31 00-0568	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,870.04	
	33 42 31 00-0569	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,276.63	
	33 42 31 00-0570	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,654.61	
	33 42 31 00-0571	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,001.89	
	33 42 31 00-0572	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,320.58	
33 42 31 00-0573	Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0574	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,000.93	
	33 42 31 00-0575	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,501.46	
	33 42 31 00-0576	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,968.08	
	33 42 31 00-0577	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,399.74	
	33 42 31 00-0578	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,798.53	
	33 42 31 00-0579	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,162.39	
	33 42 31 00-0580	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,058.98	
	33 42 31 00-0581	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,248.92	
	33 42 31 00-0582	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,350.16	
	33 42 31 00-0583	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,363.78	
	33 42 31 00-0584	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,347.03	
	33 42 31 00-0585	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,255.79	
	33 42 31 00-0586	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,090.05	
33 42 31 00-0587	Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0588	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,095.45	
	33 42 31 00-0589	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,593.09	
	33 42 31 00-0590	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,056.82	
	33 42 31 00-0591	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,486.64	
	33 42 31 00-0592	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,882.57	
	33 42 31 00-0593	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,243.52	
	33 42 31 00-0594	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,099.55	
	33 42 31 00-0595	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,287.53	
	33 42 31 00-0596	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,387.86	
	33 42 31 00-0597	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,400.55	
	33 42 31 00-0598	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,383.05	
	33 42 31 00-0599	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,291.08	
	33 42 31 00-0600	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,123.55	
33 42 31 00-0601	Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0602	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,410.20	
	33 42 31 00-0603	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,846.88	
	33 42 31 00-0604	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,254.96	
	33 42 31 00-0605	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,632.35	
	33 42 31 00-0606	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,981.15	
	33 42 31 00-0607	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,300.29	
33 42 31 00-0608	Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0609	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,457.46	
	33 42 31 00-0610	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,893.21	
	33 42 31 00-0611	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,299.33	
	33 42 31 00-0612	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,675.81	
	33 42 31 00-0613	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,022.63	
	33 42 31 00-0614	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,340.86	
33 42 31 00-0615	Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0616	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,111.51	
	33 42 31 00-0617	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,793.87	
	33 42 31 00-0618	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,480.36	
	33 42 31 00-0619	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,019.72	
	33 42 31 00-0620	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,562.15	
	33 42 31 00-0621	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,058.98	
33 42 31 00-0622	Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0623	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,985.79	
	33 42 31 00-0624	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,729.03	
	33 42 31 00-0625	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,420.12	
	33 42 31 00-0626	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,060.13	
	33 42 31 00-0627	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,648.00	
	33 42 31 00-0628	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,184.77	
	33 42 31 00-0629	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,953.58	
	33 42 31 00-0630	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,705.16	
	33 42 31 00-0631	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,325.77	
	33 42 31 00-0632	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,816.45	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0633 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	17,264.90	
33 42 31 00-0634 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,601.89	
33 42 31 00-0635 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	19,827.43	
33 42 31 00-0636 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0637 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,087.89	
33 42 31 00-0638 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,770.71	
33 42 31 00-0639 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,407.93	
33 42 31 00-0640 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,998.51	
33 42 31 00-0641 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,541.40	
33 42 31 00-0642 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,038.70	
33 42 31 00-0643 Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0644 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,151.19	
33 42 31 00-0645 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,889.12	
33 42 31 00-0646 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,575.95	
33 42 31 00-0647 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,210.65	
33 42 31 00-0648 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,794.26	
33 42 31 00-0649 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,326.76	
33 42 31 00-0650 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,973.87	
33 42 31 00-0651 EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,724.99	
33 42 31 00-0652 EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,345.14	
33 42 31 00-0653 EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,834.31	
33 42 31 00-0654 EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	17,282.39	
33 42 31 00-0655 EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,619.02	
33 42 31 00-0656 EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	19,844.19	
33 42 31 00-0657 Type GO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0658 EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,930.04	
33 42 31 00-0659 EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,409.82	
33 42 31 00-0660 EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,856.62	
33 42 31 00-0661 EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,270.43	
33 42 31 00-0662 EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,651.24	
33 42 31 00-0663 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,000.11	
33 42 31 00-0664 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,876.42	
33 42 31 00-0665 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,028.77	
33 42 31 00-0666 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,094.44	
33 42 31 00-0667 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,075.56	
33 42 31 00-0668 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,028.79	
33 42 31 00-0669 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,908.10	
33 42 31 00-0670 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,715.56	
33 42 31 00-0671 Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0672 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,827.96	
33 42 31 00-0673 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,458.74	
33 42 31 00-0674 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,046.31	
33 42 31 00-0675 EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,591.72	
33 42 31 00-0676 EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	6,092.88	
33 42 31 00-0677 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	6,551.87	
33 42 31 00-0678 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,844.01	
33 42 31 00-0679 EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,329.40	
33 42 31 00-0680 EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,704.51	
33 42 31 00-0681 EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,970.37	
33 42 31 00-0682 EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	14,198.93	
33 42 31 00-0683 EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	15,333.63	
33 42 31 00-0684 EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	16,374.43	
33 42 33 Stormwater Curbside Drains and Inlets (33 42)		
33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)		
33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)		
33 42 33 00-0003 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover	1,595.88	122.07
33 42 33 00-0004 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover	1,706.27	141.90
33 42 33 00-0005 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover	1,774.19	141.90
33 42 33 00-0006 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover	1,942.88	166.94
33 42 33 00-0007 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover	1,922.20	178.41
33 42 36 Stormwater Trench Drains (33 42)		
33 42 36 00-0001 Modular Trench Drains (33 42 36)		
See CSI section 03 31 13 00-0011 for concrete.		
33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001)		
Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0003 4" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006 LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C).....	66.36	16.70
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
For Aluminum Veneer Bronze Anodized Frame, Add	39.69	
33 42 36 00-0007 Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008 EA Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain.....	50.73	
33 42 36 00-0009 EA No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain.....	61.18	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain.....	61.18	
33 42 36 00-0011 6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0012 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0013 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0014 LF 6" Wide, High Density Polyethylene, Modular Trench Drain.....	203.11	16.70
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
For Aluminum Veneer Bronze Anodized Frame, Add	39.69	
33 42 36 00-0015 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0016 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	92.30	
33 42 36 00-0017 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	102.75	
33 42 36 00-0018 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	102.75	
33 42 36 00-0019 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0020 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	178.38	
33 42 36 00-0021 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	178.38	
33 42 36 00-0022 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	845.97	
33 42 36 00-0023 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	1,639.77	
33 42 36 00-0024 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	198.45	
33 42 36 00-0025 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0026 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0027 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	296.38	16.70
For Black Acid Resistant Coated Frame, Add	75.41	
For Galvanized Top Frame Assembly, Add	75.41	
For Type 304 Stainless Steel Top Frame Assembly, Add	277.83	
33 42 36 00-0028 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0029 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	100.24	
33 42 36 00-0030 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	110.69	
33 42 36 00-0031 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	110.69	
33 42 36 00-0032 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0033 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	178.38	
33 42 36 00-0034 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	178.38	
33 42 36 00-0035 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	845.97	
33 42 36 00-0036 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,639.77	
33 42 36 00-0037 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	198.45	
33 42 36 00-0038 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0039 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0040 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	383.70 75.41 75.41 277.83	16.70
33 42 36 00-0041 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0039)</small>		
33 42 36 00-0042 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	163.74	
33 42 36 00-0043 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	174.19	
33 42 36 00-0044 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	174.19	
33 42 36 00-0045 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0039)</small>		
33 42 36 00-0046 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	178.38	
33 42 36 00-0047 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	178.38	
33 42 36 00-0048 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	845.97	
33 42 36 00-0049 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,639.77	
33 42 36 00-0050 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	198.45	
33 42 36 00-0051 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0052 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0053 LF 6" Wide, Polymer Concrete, Modular Trench Drain	473.66	
33 42 36 00-0054 Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0055 EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	187.30	
33 42 36 00-0056 EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	227.78	
33 42 36 00-0057 EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	70.60	
33 42 36 00-0058 12" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0059 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0060 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0061 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	383.27 103.19 108.16 619.16	22.96
<i>For Acid Resistant Coated Top Frame, Add</i>		
<i>For Galvanized Welded Frame Assembly, Add</i>		
<i>For Type 304 Stainless Steel Top Frame, Add</i>		
33 42 36 00-0062 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0063 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	190.55	
33 42 36 00-0064 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	204.47	
33 42 36 00-0065 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	204.47	
33 42 36 00-0066 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0067 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	319.08	
33 42 36 00-0068 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	418.30	
33 42 36 00-0069 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,667.85	
33 42 36 00-0070 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	3,255.45	
33 42 36 00-0071 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	396.90	
33 42 36 00-0072 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0073 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0074 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	482.50 103.19 108.16 619.16	22.96
<i>For Acid Resistant Coated Top Frame, Add</i>		
<i>For Galvanized Welded Frame Assembly, Add</i>		
<i>For Type 304 Stainless Steel Top Frame, Add</i>		
33 42 36 00-0075 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0076 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	198.49	
33 42 36 00-0077 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	212.41	
33 42 36 00-0078 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	212.41	
33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	319.08	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	418.30	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,667.85	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,255.45	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	396.90	
33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	680.95	22.96
<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	
33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0089 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	496.16	
33 42 36 00-0090 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	510.08	
33 42 36 00-0091 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	510.08	
33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0093 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	319.08	
33 42 36 00-0094 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	418.30	
33 42 36 00-0095 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,667.85	
33 42 36 00-0096 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,255.45	
33 42 36 00-0097 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	396.90	
33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0100 LF 12" Wide, Polymer Concrete, Modular Trench Drain	635.33	
33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0102 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	319.13	
33 42 36 00-0103 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	550.30	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	124.85	
33 42 36 00-0105 23" Wide, Modular Trench Drains (33 42 36 00-0105)		
33 42 36 00-0106 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0107 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0108 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	537.48	31.31
<i>For Acid Resistant Coated Frame, Add</i>	154.79	
<i>For Galvanized Frame Assembly, Add</i>	154.79	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	952.56	
33 42 36 00-0109 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0110 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	608.64	
33 42 36 00-0111 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	886.54	
33 42 36 00-0112 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	886.54	
33 42 36 00-0113 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0114 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	725.88	
33 42 36 00-0115 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	3,305.61	
33 42 36 00-0116 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	6,480.81	
33 42 36 00-0117 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	793.80	
33 42 36 00-0118 Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0119 4" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0120 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP).....	43.31	3.13
33 42 36 00-0121 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	45.55	3.13
33 42 36 00-0122 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	36.59	3.13
33 42 36 00-0123 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	98.20	3.13
33 42 36 00-0124 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	36.59	3.13
33 42 36 00-0125 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	98.20	3.13



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

33 42 36 00-0126	6" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0127 LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	195.73	3.13
33 42 36 00-0128 LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	165.77	3.13
33 42 36 00-0129 LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	174.10	3.13
33 42 36 00-0130 LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	152.07	3.13
33 42 36 00-0131 LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	163.98	3.13
33 42 36 00-0132 LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	165.96	3.13
33 42 36 00-0133 LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	165.96	3.13
33 42 36 00-0134 LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	163.98	3.13
33 42 36 00-0135 LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	144.14	3.13
33 42 36 00-0136 LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	144.14	3.13
33 42 36 00-0137 LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	153.26	3.13
33 42 36 00-0138 LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	153.26	3.13
33 42 36 00-0139 LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	199.70	3.13
33 42 36 00-0140 LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	199.70	3.13
33 42 36 00-0141 LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	366.40	3.13
33 42 36 00-0142 LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	366.40	3.13
33 42 36 00-0143 LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,021.28	3.13
33 42 36 00-0144 LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	136.20	3.13
33 42 36 00-0145 LF	6" Wide, Fiberglass, Modular Trench Drain Grate	294.96	3.13

33 42 36 00-0146	12" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0147 LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	541.55	3.39
33 42 36 00-0148 LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	517.73	3.39
33 42 36 00-0149 LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	450.26	3.39
33 42 36 00-0150 LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	473.08	3.39
33 42 36 00-0151 LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	408.58	3.39
33 42 36 00-0152 LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	800.52	3.39
33 42 36 00-0153 LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	800.52	3.39
33 42 36 00-0154 LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,021.79	3.39
33 42 36 00-0155 LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,021.79	3.39
33 42 36 00-0156 LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,304.59	3.39
33 42 36 00-0157 LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,304.59	3.39
33 42 36 00-0158 LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,238.10	3.39
33 42 36 00-0159 LF	12" Wide, Fiberglass, Modular Trench Drain Grate	584.21	3.39

33 42 36 00-0160	23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0161 LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	855.63	3.65
33 42 36 00-0162 LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	720.68	3.65
33 42 36 00-0163 LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,117.58	3.65
33 42 36 00-0164 LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	827.84	3.65

33 44 Storm Utility Water Drains (33 40)

33 44 36 Oil and Stormwater Separators (33 44)

33 44 36 00-0001	Oil/Water Separator (33 44 36)		
Note: Complete with internal sensors and detectors.			

33 44 36 00-0002	Coalescing Oil Water Separator (33 44 36 00-0001)		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.			

33 44 36 00-0003	Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004 EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	18,940.71	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.			
<i>For Interior Polyurethane Coating, Add</i>		711.00	
33 44 36 00-0005 EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	23,162.12	
Note: HTC-G 1000. 4' diameter x 14' long tank.			
<i>For Interior Polyurethane Coating, Add</i>		893.70	
33 44 36 00-0006 EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	27,726.89	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.			
<i>For Interior Polyurethane Coating, Add</i>		1,340.10	

33 44 36 00-0007	Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008 EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	29,389.49	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.			
<i>For Interior Polyurethane Coating, Add</i>		711.00	
33 44 36 00-0009 EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	33,795.32	
Note: HTC-G 1000. 4' diameter x 14' long tank.			
<i>For Interior Polyurethane Coating, Add</i>		893.70	
33 44 36 00-0010 EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	41,257.60	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.			
<i>For Interior Polyurethane Coating, Add</i>		1,340.10	
33 44 36 00-0011 EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	48,010.69	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.			
<i>For Interior Polyurethane Coating, Add</i>		1,550.70	

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank. For Interior Polyurethane Coating, Add	63,734.67 2,057.80	
33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,237.04	
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	1,675.37	
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	979.95	
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	732.11	
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	267.41	
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,023.93	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,047.87	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,071.89	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	720.70	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	852.88	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,705.76	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,797.86	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,030.50	
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,344.67	
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,865.38	
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,410.24	
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,389.20	
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,512.74	
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	6,954.33	
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,377.57	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,679.11	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,637.41	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,313.54	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,594.43	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,891.83	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	111.53	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	125.98	
33 44 36 00-0041 Oil Skimmers (33 44 36)		
33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,541.16	846.02
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,776.96	846.02
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,563.00	846.02
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,865.38	846.02
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,810.80	846.02
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,010.57	846.02
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,862.10	846.02
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,163.40	846.02
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,358.79	1,128.27
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,610.96	1,128.27
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,425.38	1,128.27
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,787.81	1,128.27
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,996.31	1,128.27
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	7,248.48	1,128.27
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,049.80	1,128.27
33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,413.32	1,128.27
33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)		
33 44 36 00-0060 LF Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061 LF Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062 LF Add For Spacer Stands, 12" Models	302.54	
33 44 36 00-0063 LF Add For Spacer Stands, 24" Models	350.57	

33 46 Stormwater Management (33 40)**33 46 23 Modular Buried Stormwater Storage Units (33 46)**



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Management	33 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) ^(33 46 23)		
Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.		
33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) ^(33 46 23 00-0001)		
33 46 23 00-0003 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	605.43	
33 46 23 00-0004 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	557.11	
33 46 23 00-0005 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	522.83	
33 46 23 00-0006 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	489.60	
33 46 23 00-0007 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	263.70	
33 46 23 00-0008 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	232.47	
33 46 23 00-0009 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	214.42	
33 46 23 00-0010 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	196.61	
33 46 23 00-0011 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) ^(33 46 23 00-0001)		
33 46 23 00-0012 EA Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	349.69	
33 46 23 00-0013 EA >10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	319.37	
33 46 23 00-0014 EA >20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	298.56	
33 46 23 00-0015 EA >30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	279.57	
33 46 23 00-0016 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	207.08	
33 46 23 00-0017 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	183.87	
33 46 23 00-0018 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	169.82	
33 46 23 00-0019 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	157.26	
33 46 23 00-0020 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) ^(33 46 23 00-0001)		
33 46 23 00-0021 EA Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	1,019.26	
33 46 23 00-0022 EA >10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	948.02	
33 46 23 00-0023 EA >20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	891.77	
33 46 23 00-0024 EA >30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	840.74	
33 46 23 00-0025 EA Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	862.05	
33 46 23 00-0026 EA >10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	798.65	
33 46 23 00-0027 EA >20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	749.88	
33 46 23 00-0028 EA >30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	705.95	
33 46 23 00-0029 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) ^(33 46 23 00-0001)		
33 46 23 00-0030 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	627.97	
33 46 23 00-0031 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	578.55	
33 46 23 00-0032 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	543.18	
33 46 23 00-0033 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	508.92	
33 46 23 00-0034 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	263.70	
33 46 23 00-0035 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	228.21	
33 46 23 00-0036 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	214.42	
33 46 23 00-0037 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	196.61	
33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) ^(33 46 23 00-0001)		
33 46 23 00-0039 EA Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	1,061.10	

33 Utilities**33 40 Stormwater Utilities****33 46 Stormwater Management**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0040 EA >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	985.53	
33 46 23 00-0041 EA >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	924.97	
33 46 23 00-0042 EA >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	872.94	
33 46 23 00-0043 EA Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,315.63	
33 46 23 00-0044 EA >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,227.32	
33 46 23 00-0045 EA >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,154.68	
33 46 23 00-0046 EA >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,091.16	
33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers (33 46 23 00-0001)		
33 46 23 00-0048 EA Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	70.06	
33 46 23 00-0049 EA Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	89.58	
33 46 23 00-0050 EA Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	116.29	
33 46 23 00-0051 EA Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	146.98	
33 46 23 00-0052 EA 12" x 6" Inspection Port Kit	738.78	
Note: (2712AG6IPKIT)		
33 46 53 Stormwater Leaching Pits (33 46)		
33 46 53 00-0001 Drainage Wells (33 46 53)		
Note: Includes augering hole.		
33 46 53 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	29.99	
33 46 53 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	36.59	
33 46 53 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	48.89	
33 50 Hydrocarbon Utilities (33)		
33 52 Hydrocarbon Transmission and Distribution (33 50)		
33 52 16 Gas Hydrocarbon Piping (33 52)		
33 52 16 13 Steel Natural Gas Piping (33 52 16)		
See CSI section 23 05 23 00-0000 for gas valves.		
33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)		
33 52 16 13-0003 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	31.57	3.54
33 52 16 13-0004 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	36.87	3.90
33 52 16 13-0005 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	43.39	4.00
33 52 16 13-0006 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	44.50	4.10
33 52 16 13-0007 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	46.44	4.15
33 52 16 13-0008 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	49.08	4.45
33 52 16 13-0009 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	69.51	4.85
33 52 16 13-0010 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	86.43	6.12
33 52 16 13-0011 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	119.10	7.39
33 52 16 13-0012 LF 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	165.19	8.57
33 52 16 13-0013 LF 6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	208.62	10.46
33 52 16 13-0014 LF 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	309.02	13.46
33 52 16 13-0015 Gas Line Taps (33 52 16 13-0001)		
Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016 Polyethylene, 60 PSI (33 52 16 13-0015)		
33 52 16 13-0017 EA 2" Polyethylene Hot Tap, With Valve	4,871.32	
33 52 16 13-0018 EA 2-1/2" Polyethylene Hot Tap, With Valve	2,159.02	
33 52 16 13-0019 EA 3" Polyethylene Hot Tap, With Valve	2,282.62	
33 52 16 13-0020 EA 4" Polyethylene Hot Tap, With Valve	8,452.20	
33 52 16 13-0021 EA 6" Polyethylene Hot Tap, With Valve	13,242.33	
33 52 16 13-0022 Steel, Schedule 40 (33 52 16 13-0015)		
Note: For punch steel service tee.		
33 52 16 13-0023 EA 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,093.96	
33 52 16 13-0024 EA 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,146.37	
33 52 16 13-0025 EA 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,219.71	



Utilities	33	CS
Hydrocarbon Utilities	33 50	
Hydrocarbon Transmission and Distribution	33 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0026 EA 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,290.62	
33 52 16 13-0027 EA 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,342.84	
33 52 16 13-0028 EA 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,637.40	
33 52 16 13-0029 EA 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,730.21	
33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001) Note: Includes cleaning and priming pipe.		
33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0032 LF 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.88	
33 52 16 13-0033 LF 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.12	
33 52 16 13-0034 LF 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.41	
33 52 16 13-0035 LF 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.91	
33 52 16 13-0036 LF 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.33	
33 52 16 13-0037 LF 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.08	
33 52 16 13-0038 LF 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.23	
33 52 16 13-0039 LF 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.77	
33 52 16 13-0040 LF 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	10.87	
33 52 16 13-0041 LF 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	14.14	
33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0043 EA 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	25.38	
33 52 16 13-0044 EA 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	25.38	
33 52 16 13-0045 EA 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	31.51	
33 52 16 13-0046 EA 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	35.12	
33 52 16 13-0047 EA 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	35.12	
33 52 16 13-0048 EA 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	41.55	
33 52 16 13-0049 EA 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	55.67	
33 52 16 13-0050 EA 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	73.41	
33 52 16 13-0051 EA 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	73.91	
33 52 16 13-0052 EA 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	84.61	
33 52 16 13-0053 Service Fittings (33 52 16 13-0001)		
33 52 16 13-0054 Brass Fittings (33 52 16 13-0053)		
33 52 16 13-0055 EA 1/2" X 2" Long Nipples, Threaded Both Ends, Brass	43.37	
33 52 16 13-0056 EA 3/4" X 2" Long Nipples, Threaded Both Ends, Brass	50.20	
33 52 16 13-0057 EA 1" X 2" Long Nipples, Threaded Both Ends, Brass	63.39	
33 52 16 13-0058 EA 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	78.24	
33 52 16 13-0059 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	87.59	
33 52 16 13-0060 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass	113.10	
33 52 16 13-0061 EA 1/2" 90 Degree Elbow, Brass	37.92	
33 52 16 13-0062 EA 3/4" 90 Degree Elbow, Brass	43.44	
33 52 16 13-0063 EA 1" 90 Degree Elbow, Brass	56.00	
33 52 16 13-0064 EA 1-1/4" 90 Degree Elbow, Brass	71.81	
33 52 16 13-0065 EA 1-1/2" 90 Degree Elbow, Brass	81.83	
33 52 16 13-0066 EA 2" 90 Degree Elbow, Brass	108.35	
33 52 16 13-0067 EA 1/2" Diameter Chrome Plated Nipple	33.30	
33 52 16 13-0068 EA 3/4" Diameter Chrome Plated Nipple	42.73	
33 52 16 13-0069 EA 1" Diameter Chrome Plated Nipple	55.65	
33 52 16 13-0070 EA 1-1/4" Diameter Chrome Plated Nipple	79.00	
33 52 16 13-0071 EA 1-1/2" Diameter Chrome Plated Nipple	95.33	
33 52 16 13-0072 EA 2" Diameter Chrome Plated Nipple	127.37	
33 52 16 13-0073 Anodless Gas Riser (33 52 16 13-0053)		
33 52 16 13-0074 EA 3/4" Anodless Gas Riser	110.28	
33 52 16 13-0075 EA 1" Anodless Gas Riser	136.07	
33 52 16 13-0076 EA 1-1/4" Anodless Gas Riser	158.90	
33 52 16 13-0077 EA 1-1/2" Anodless Gas Riser	197.33	
33 52 16 13-0078 EA 2" Anodless Gas Riser	225.90	
33 52 16 13-0079 Brass Service Adapter (33 52 16 13-0053)		
33 52 16 13-0080 EA 1/2" Brass Service Adapter	90.96	
33 52 16 13-0081 EA 3/4" Brass Service Adapter	100.09	
33 52 16 13-0082 EA 1" Brass Service Adapter	120.05	
33 52 16 13-0083 EA 1-1/4" Brass Service Adapter	145.28	
33 52 16 13-0084 EA 1-1/2" Brass Service Adapter	174.06	
33 52 16 13-0085 EA 2" Brass Service Adapter	208.88	
33 52 16 13-0086 EA 2-1/2" Brass Service Adapter	348.79	
33 52 16 13-0087 EA 3" Brass Service Adapter	425.92	
33 52 16 13-0088 EA 4" Brass Service Adapter	612.61	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)**33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)**

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF 1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.75	2.17
	<i>For Colors, Add</i>	0.05	
33 52 16 23-0003	LF 3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.25	2.33
	<i>For SDR 13.5, Deduct</i>	-0.11	
	<i>For Colors, Add</i>	0.07	
33 52 16 23-0004	LF 1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.75	2.49
	<i>For SDR 13.5, Deduct</i>	-0.13	
	<i>For Colors, Add</i>	0.08	
33 52 16 23-0005	LF 1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.28	2.64
	<i>For SDR 13.5, Deduct</i>	-0.16	
	<i>For Colors, Add</i>	0.10	
33 52 16 23-0006	LF 1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.13	3.18
	<i>For SDR 13.5, Deduct</i>	-0.22	
	<i>For Colors, Add</i>	0.14	
33 52 16 23-0007	LF 2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.99	3.45
	<i>For SDR 13.5, Deduct</i>	-0.29	
	<i>For SDR 15.5, Deduct</i>	-0.53	
	<i>For Colors, Add</i>	0.19	
33 52 16 23-0008	LF 2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	9.85	4.04
	<i>For SDR 13.5, Deduct</i>	-0.48	
	<i>For SDR 15.5, Deduct</i>	-0.88	
	<i>For Colors, Add</i>	0.31	
33 52 16 23-0009	LF 3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	11.90	4.81
	<i>For SDR 13.5, Deduct</i>	-0.66	
	<i>For SDR 15.5, Deduct</i>	-1.21	
	<i>For Colors, Add</i>	0.42	
33 52 16 23-0010	LF 4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	17.88	4.90
	<i>For SDR 13.5, Deduct</i>	-1.22	
	<i>For SDR 15.5, Deduct</i>	-2.23	
	<i>For Colors, Add</i>	0.78	
33 52 16 23-0011	LF 5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	22.47	4.90
	<i>For SDR 13.5, Deduct</i>	-1.69	
	<i>For SDR 15.5, Deduct</i>	-3.10	
	<i>For Colors, Add</i>	1.09	
33 52 16 23-0012	LF 6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	27.18	4.90
	<i>For SDR 13.5, Deduct</i>	-2.16	
	<i>For SDR 15.5, Deduct</i>	-3.96	
	<i>For Colors, Add</i>	1.39	
33 52 16 23-0013	LF 8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	39.97	6.13
	<i>For SDR 13.5, Deduct</i>	-3.59	
	<i>For SDR 15.5, Deduct</i>	-6.60	
	<i>For Colors, Add</i>	2.32	

33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)**33 52 16 26-0001 High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)**

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF 1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.82	2.17
33 52 16 26-0003	LF 3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.35	2.33
	<i>For SDR 13.5, Deduct</i>	-0.12	
33 52 16 26-0004	LF 1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.85	2.49
	<i>For SDR 13.5, Deduct</i>	-0.14	
33 52 16 26-0005	LF 1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	6.41	2.64
	<i>For SDR 13.5, Deduct</i>	-0.17	
33 52 16 26-0006	LF 1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	7.31	3.18
	<i>For SDR 13.5, Deduct</i>	-0.24	
33 52 16 26-0007	LF 2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	8.22	3.45
	<i>For SDR 13.5, Deduct</i>	-0.32	
	<i>For SDR 15.5, Deduct</i>	-0.58	
	<i>For SDR 17, Deduct</i>	-0.85	
33 52 16 26-0008	LF 2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	10.24	4.04
	<i>For SDR 13.5, Deduct</i>	-0.53	
	<i>For SDR 15.5, Deduct</i>	-0.97	
	<i>For SDR 17, Deduct</i>	-1.41	
33 52 16 26-0009	LF 3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	12.43	4.81
	<i>For SDR 13.5, Deduct</i>	-0.72	
	<i>For SDR 15.5, Deduct</i>	-1.33	
	<i>For SDR 17, Deduct</i>	-1.93	
	<i>For SDR 21, Deduct</i>	-2.64	
33 52 16 26-0010	LF 4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	18.86	4.90
	<i>For SDR 13.5, Deduct</i>	-1.34	
	<i>For SDR 15.5, Deduct</i>	-2.46	
	<i>For SDR 17, Deduct</i>	-3.57	
	<i>For SDR 21, Deduct</i>	-4.88	



Utilities	33	CS
Hydrocarbon Utilities	33 50	
Hydrocarbon Transmission and Distribution	33 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0011 LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	28.92	4.90
For SDR 13.5, Deduct	-2.37	
For SDR 15.5, Deduct	-4.36	
For SDR 17, Deduct	-6.33	
For SDR 21, Deduct	-8.66	
33 52 16 26-0012 LF 8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	42.86	6.13
For SDR 13.5, Deduct	-3.95	
For SDR 15.5, Deduct	-7.26	
For SDR 17, Deduct	-10.54	
For SDR 21, Deduct	-14.42	

33 53 Hydrocarbon Utility Pressure Regulation (33 50)

33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)

33 53 16 00-0002 EA 3/4" Gas Pressure Regulator, Screwed End.....	278.67	24.50
33 53 16 00-0003 EA 1" Gas Pressure Regulator, Screwed End.....	284.23	24.50
33 53 16 00-0004 EA 1-1/4" Gas Pressure Regulator, Screwed End.....	297.57	29.09
33 53 16 00-0005 EA 1-1/2" Gas Pressure Regulator, Screwed End.....	971.23	33.68
33 53 16 00-0006 EA 2" Gas Pressure Regulator, Screwed End.....	1,041.53	52.16
33 53 16 00-0007 EA 3" Gas Pressure Regulator, Screwed End.....	2,912.24	117.02
33 53 16 00-0008 EA 4" Gas Pressure Regulator, Screwed End.....	4,041.95	155.08

33 56 Hydrocarbon Storage (33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

33 59 11 00-0001 Diaphragm Meters (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	699.32	95.87
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0003 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	1,356.91	146.62
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0004 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	1,584.26	146.62
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0005 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	3,400.05	183.28
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	3,854.86	225.57
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,024.55	183.28
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,603.01	225.57
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	7,372.92	239.67
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	10,411.23	281.96
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0011 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	15,919.25	465.24
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	12,725.64	462.48
33 59 16 00-0003 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	13,543.70	537.08
33 59 16 00-0004 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	20,932.89	574.61
33 59 16 00-0005 EA 10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	40,668.45	699.52
33 59 16 00-0006 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	67,216.61	874.40

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 59 Hydrocarbon Utility Metering**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 60 Hydronic and Steam Energy Utilities** ⁽³³⁾**33 61 Hydronic Energy Distribution** ^(33 60)**33 61 13 Buried Hydronic Energy Distribution** ^(33 61)**33 61 13 00-0001 Glass Lined Steel Piping** ^(33 61 13)**33 61 13 00-0002 Glass Lined Steel Pipe** ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,573.67
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,737.46
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,737.46
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,065.04
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	2,935.17
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,399.23
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,317.75
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	2,853.27
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	2,853.27
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,232.03
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,214.56
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	6,034.99
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,254.96
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	3,920.35
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	3,920.35
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,508.48
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	6,106.65
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	6,940.47
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	8,832.22
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	8,832.22
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	9,152.97
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	9,761.53
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	10,953.59
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	13,531.03
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	18,431.50

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings.....	1,897.51
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings.....	3,100.87
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings.....	5,708.86
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings.....	10,139.27
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings.....	15,017.19
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings.....	17,636.81
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings.....	20,256.01

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings.....	1,859.97
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings.....	3,100.87
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings.....	5,968.19
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings.....	16,813.67
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings.....	15,017.19
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings.....	17,636.81
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings.....	20,256.01

33 61 13 00-0044 Tee, Glass Lined Steel Fittings ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings.....	2,949.88
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings.....	5,061.40
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings.....	7,490.33
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings.....	12,936.11
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings.....	18,408.20
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings.....	21,692.16
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings.....	24,917.50

33 61 13 00-0052 Prefabricated/Preinsulated Pipe ^(33 61 13)

Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe ^(33 61 13 00-0052)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0054 Standard Black Steel Carrier Pipe ^(33 61 13 00-0053)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0055 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	161.38 2.64 26.42	21.95
33 61 13 00-0056 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	176.88 2.91 29.06	23.69
33 61 13 00-0057 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	197.19 3.27 32.73	25.16
33 61 13 00-0058 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	211.05 3.51 35.12	26.56
33 61 13 00-0059 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	221.21 3.67 36.72	28.20
33 61 13 00-0060 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	246.06 3.99 39.91	34.87
33 61 13 00-0061 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	272.28 4.31 43.11	42.55
33 61 13 00-0062 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	343.68 5.43 54.28	54.19
33 61 13 00-0063 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	435.75 6.95 69.45	66.37
33 61 13 00-0064 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	506.82 8.06 80.63	77.76
33 61 13 00-0065 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	712.02 11.73 117.35	93.96
33 61 13 00-0066 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	923.43 15.49 154.87	111.81
33 61 13 00-0067 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,149.41 19.32 193.19	137.60
33 61 13 00-0068 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0069 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	174.59 2.91 29.07	21.95
33 61 13 00-0070 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	191.41 3.20 31.96	23.69
33 61 13 00-0071 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	213.56 3.60 36.00	25.16
33 61 13 00-0072 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	228.62 3.86 38.64	26.56
33 61 13 00-0073 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	239.57 4.04 40.39	28.20
33 61 13 00-0074 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	266.02 4.39 43.91	34.87
33 61 13 00-0075 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	293.83 4.74 47.42	42.55

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	370.82 5.97 59.71	54.19
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	470.47 7.64 76.40	66.37
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	547.13 8.87 88.69	77.76
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	770.70 12.91 129.08	93.96
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,000.87 17.04 170.36	111.81
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,246.00 21.25 212.50	137.60
33 61 13 00-0082		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	181.20 3.04 30.39	21.95
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	198.67 3.34 33.42	23.69
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	221.74 3.76 37.64	25.16
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	237.40 4.04 40.39	26.56
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	248.75 4.22 42.23	28.20
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	276.00 4.59 45.90	34.87
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	304.61 4.96 49.57	42.55
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	384.39 6.24 62.43	54.19
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	487.84 7.99 79.87	66.37
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	567.29 9.27 92.72	77.76
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	800.03 13.50 134.95	93.96
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,039.58 17.81 178.10	111.81
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,294.30 22.22 222.16	137.60
33 61 13 00-0096		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0097	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 191.10 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 3.24 <i>For Schedule 80 Pipe, Add</i> 32.37		21.95
33 61	13 00-0098	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 209.57 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 3.56 <i>For Schedule 80 Pipe, Add</i> 35.60		23.69
33 61	13 00-0099	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 234.01 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 4.01 <i>For Schedule 80 Pipe, Add</i> 40.09		25.16
33 61	13 00-0100	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 250.57 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 4.30 <i>For Schedule 80 Pipe, Add</i> 43.03		26.56
33 61	13 00-0101	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 262.52 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 4.50 <i>For Schedule 80 Pipe, Add</i> 44.98		28.20
33 61	13 00-0102	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 290.97 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 4.89 <i>For Schedule 80 Pipe, Add</i> 48.90		34.87
33 61	13 00-0103	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 320.77 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 5.28 <i>For Schedule 80 Pipe, Add</i> 52.81		42.55
33 61	13 00-0104	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 404.75 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 6.65 <i>For Schedule 80 Pipe, Add</i> 66.50		54.19
33 61	13 00-0105	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 513.88 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 8.51 <i>For Schedule 80 Pipe, Add</i> 85.08		66.37
33 61	13 00-0106	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 597.52 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 9.88 <i>For Schedule 80 Pipe, Add</i> 98.77		77.76
33 61	13 00-0107	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 844.04 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 14.38 <i>For Schedule 80 Pipe, Add</i> 143.75		93.96
33 61	13 00-0108	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,097.66 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 18.97 <i>For Schedule 80 Pipe, Add</i> 189.71		111.81
33 61	13 00-0109	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,366.74 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 23.67 <i>For Schedule 80 Pipe, Add</i> 236.65		137.60
33 61	13 00-0110			Preinsulated Black Steel Fittings <small>(33 61 13 00-0052)</small> Note: No excavation or backfill.		
33 61	13 00-0111			Elbows <small>(33 61 13 00-0110)</small>		
33 61	13 00-0112			Elbows <small>(33 61 13 00-0111)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0113	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,150.33 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 20.13		
33 61	13 00-0114	EA		1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,185.13 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 20.60		
33 61	13 00-0115	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,355.42 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 23.44		
33 61	13 00-0116	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,502.70 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 25.57		
33 61	13 00-0117	EA		2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,667.99 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 26.64		
33 61	13 00-0118	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 1,876.59 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 27.70		
33 61	13 00-0119	EA		3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 2,174.01 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 31.97		
33 61	13 00-0120	EA		4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 2,536.82 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 37.29		

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,116.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.95	
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,478.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.46	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,944.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	78.73	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,444.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	100.64	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,355.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	133.20	
33 61 13 00-0126		Elbows <small>(33 61 13 00-0111)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,225.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.64	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,262.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.15	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,443.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.20	
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,598.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.49	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,767.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.64	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,980.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.78	
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,293.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.36	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,676.68	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.09	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,296.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.55	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,682.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.55	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,240.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	84.64	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,821.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	108.18	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,855.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	143.18	
33 61 13 00-0140		Elbows <small>(33 61 13 00-0111)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,301.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.15	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,339.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,531.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.96	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,694.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.41	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,867.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.63	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,084.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.86	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,413.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,816.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.89	
	33 61	13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,476.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.14	
	33 61	13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,886.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.63	
	33 61	13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,535.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.54	
	33 61	13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,199.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	115.73	
	33 61	13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,354.59	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	153.17	
33 61	13 00-0154	Elbows <small>(33 61 13 00-0111)</small>		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,376.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.66	
	33 61	13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,416.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.24	
	33 61	13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,619.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.72	
	33 61	13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,790.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.33	
	33 61	13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,967.68	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.63	
	33 61	13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,188.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.94	
	33 61	13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,533.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.16	
	33 61	13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,956.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.69	
	33 61	13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,656.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.74	
	33 61	13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,090.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	66.72	
	33 61	13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,830.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	96.45	
	33 61	13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,576.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	123.28	
	33 61	13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,854.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	163.16	
33 61	13 00-0168	Tees <small>(33 61 13 00-0110)</small>				
33 61	13 00-0169	Tees <small>(33 61 13 00-0168)</small>		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,710.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.89	
	33 61	13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,762.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.59	
	33 61	13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,015.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.81	
	33 61	13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,234.59	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.98	
	33 61	13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,481.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.56	
	33 61	13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,793.23	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.14	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,237.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.47	
33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,777.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.38	
33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,643.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	71.21	
33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,177.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	80.88	
33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,356.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	116.92	
33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,593.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	149.45	
33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	12,433.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	197.79	
33 61 13 00-0183		Tees <small>(33 61 13 00-0183)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,822.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.13	
33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,876.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.89	
33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,145.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.42	
33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,377.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.82	
33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,629.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.53	
33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,947.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.23	
33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,415.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.03	
33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,984.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.54	
33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,910.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	76.55	
33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,480.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	86.94	
33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,794.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	125.69	
33 61 13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,154.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	160.65	
33 61 13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	13,175.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	212.63	
33 61 13 00-0197		Tees <small>(33 61 13 00-0197)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,934.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.37	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,991.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.18	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,276.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.03	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,519.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.67	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,778.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0203 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,101.79 47.31	
33 61 13 00-0204 EA 3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,593.08 54.59	
33 61 13 00-0205 EA 4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,192.63 63.69	
33 61 13 00-0206 EA 5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,177.16 81.89	
33 61 13 00-0207 EA 6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,784.18 93.01	
33 61 13 00-0208 EA 8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8,233.17 134.46	
33 61 13 00-0209 EA 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10,714.41 171.86	
33 61 13 00-0210 EA 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13,917.01 227.46	
33 61 13 00-0211 Tees <small>(33 61 13 00-0168)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0212 EA 3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,046.57 36.61	
33 61 13 00-0213 EA 1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,106.21 37.48	
33 61 13 00-0214 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,406.93 42.64	
33 61 13 00-0215 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,661.83 46.52	
33 61 13 00-0216 EA 2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,926.44 48.46	
33 61 13 00-0217 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,256.07 50.40	
33 61 13 00-0218 EA 3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,771.09 58.15	
33 61 13 00-0219 EA 4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,400.31 67.84	
33 61 13 00-0220 EA 5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,444.19 87.23	
33 61 13 00-0221 EA 6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6,087.46 99.07	
33 61 13 00-0222 EA 8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8,671.62 143.23	
33 61 13 00-0223 EA 10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11,274.83 183.07	
33 61 13 00-0224 EA 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14,658.74 242.30	
33 61 13 00-0225 Reducers <small>(33 61 13 00-0110)</small>		
33 61 13 00-0226 Reducers <small>(33 61 13 00-0225)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0227 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	964.89 16.71	
33 61 13 00-0228 EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	994.49 17.10	
33 61 13 00-0229 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,137.83 19.46	
33 61 13 00-0230 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,262.83 21.23	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0231	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,407.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.11	
33 61 13 00-0232	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,603.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.99	
33 61 13 00-0233	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,849.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.53	
33 61 13 00-0234	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,152.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.95	
33 61 13 00-0235	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,637.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.80	
33 61 13 00-0236	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,940.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.20	
33 61 13 00-0237	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,174.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.35	
33 61 13 00-0238	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,448.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	83.53	
33 61 13 00-0239	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,051.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	110.55	
33 61 13 00-0240		Reducers <small>(33 61 13 00-0225)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,027.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.96	
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,058.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.38	
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,210.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.92	
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,342.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.82	
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,490.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.77	
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,689.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.72	
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,948.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.52	
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,268.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.28	
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,786.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.78	
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,109.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.59	
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,420.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.25	
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,761.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	89.79	
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,465.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	118.84	
33 61 13 00-0254		Reducers <small>(33 61 13 00-0225)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,090.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.21	
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,122.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.66	
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,283.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0258 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,422.02 24.41	
33 61 13 00-0259 EA 2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,573.64 25.43	
33 61 13 00-0260 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,775.47 26.44	
33 61 13 00-0261 EA 3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,048.36 30.51	
33 61 13 00-0262 EA 4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,384.47 35.60	
33 61 13 00-0263 EA 5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,936.06 45.77	
33 61 13 00-0264 EA 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,279.10 51.98	
33 61 13 00-0265 EA 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,665.08 75.15	
33 61 13 00-0266 EA 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6,074.77 96.06	
33 61 13 00-0267 EA 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7,880.43 127.13	
33 61 13 00-0268 Reducers <small>(33 61 13 00-0225)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0269 EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,152.83 20.46	
33 61 13 00-0270 EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,186.85 20.95	
33 61 13 00-0271 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,356.72 23.84	
33 61 13 00-0272 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,501.62 26.00	
33 61 13 00-0273 EA 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,656.55 27.09	
33 61 13 00-0274 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,861.70 28.17	
33 61 13 00-0275 EA 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,147.85 32.50	
33 61 13 00-0276 EA 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,500.55 37.92	
33 61 13 00-0277 EA 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,085.30 48.75	
33 61 13 00-0278 EA 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,448.61 55.37	
33 61 13 00-0279 EA 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,910.14 80.05	
33 61 13 00-0280 EA 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6,388.00 102.32	
33 61 13 00-0281 EA 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8,295.00 135.43	
33 61 13 00-0282 Preinsulated Type K Copper Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0283 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0284 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.83 0.41	19.60
33 61 13 00-0285 LF 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.21 0.45	21.16

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.01	22.47
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.76	23.74
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.17	25.19
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.57	31.15
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	90.33	38.01
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	114.57	48.42
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	142.61	59.29
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	166.50	69.47
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	216.60	84.27
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	269.54	99.89
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	333.72	122.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.99	
33 61 13 00-0297		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.87	19.60
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.45	21.16
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.54	22.47
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.48	23.74
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.01	25.19
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.66	31.15
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	93.67	38.01
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	118.77	48.42
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	147.98	59.29
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.18	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	172.74	69.47
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	225.67	84.27
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	281.52	99.89
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.64	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	348.66	122.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
33 61 13 00-0311		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.89	19.60
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0313 LF 1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 57.58	57.58	21.16
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.52	0.52	
33 61 13 00-0314 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 62.80	62.80	22.47
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.58	0.58	
33 61 13 00-0315 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 66.83	66.83	23.74
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.62	0.62	
33 61 13 00-0316 LF 2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 70.43	70.43	25.19
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.65	0.65	
33 61 13 00-0317 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 82.20	82.20	31.15
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.71	0.71	
33 61 13 00-0318 LF 3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 95.33	95.33	38.01
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.77	0.77	
33 61 13 00-0319 LF 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 120.87	120.87	48.42
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.97	0.97	
33 61 13 00-0320 LF 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 150.67	150.67	59.29
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.24	1.24	
33 61 13 00-0321 LF 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 175.86	175.86	69.47
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.43	1.43	
33 61 13 00-0322 LF 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 230.21	230.21	83.94
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.09	2.09	
33 61 13 00-0323 LF 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 287.51	287.51	99.89
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.76	2.76	
33 61 13 00-0324 LF 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 356.13	356.13	122.92
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 3.44	3.44	
33 61 13 00-0325 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0326 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 54.43	54.43	19.60
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.50	0.50	
33 61 13 00-0327 LF 1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 59.26	59.26	21.16
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.55	0.55	
33 61 13 00-0328 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 64.70	64.70	22.47
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.62	0.62	
33 61 13 00-0329 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 68.87	68.87	23.74
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.67	0.67	
33 61 13 00-0330 LF 2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 72.56	72.56	25.19
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.70	0.70	
33 61 13 00-0331 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 84.52	84.52	31.15
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.76	0.76	
33 61 13 00-0332 LF 3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 97.84	97.84	38.01
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.82	0.82	
33 61 13 00-0333 LF 4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 124.02	124.02	48.42
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.03	1.03	
33 61 13 00-0334 LF 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 154.70	154.70	59.29
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.32	1.32	
33 61 13 00-0335 LF 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 180.54	180.54	69.47
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.53	1.53	
33 61 13 00-0336 LF 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 237.02	237.02	83.94
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.22	2.22	
33 61 13 00-0337 LF 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 296.49	296.49	99.89
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.93	2.93	
33 61 13 00-0338 LF 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 367.34	367.34	122.92
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> 3.66	3.66	
33 61 13 00-0339 Preinsulated Copper Fittings <small>(33 61 13 00-0052)</small>		
33 61 13 00-0340 Elbows <small>(33 61 13 00-0339)</small>		

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 61 13 00-0341****Elbows** (33 61 13 00-0340)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	358.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	373.30	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	430.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	490.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	600.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	747.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	870.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,016.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,180.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,287.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,787.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,392.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.30	
33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,016.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	

33 61 13 00-0355**Elbows** (33 61 13 00-0340)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	375.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	391.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	451.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	513.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	623.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	771.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	898.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.95	
33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,048.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,222.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,334.30	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,856.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,480.32	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,131.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

33 61 13 00-0369			Elbows <small>(33 61 13 00-0340)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0370	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	393.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0371	EA		1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	409.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61 13 00-0372	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	471.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24	
33 61 13 00-0373	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	535.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.81	
33 61 13 00-0374	EA		2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	646.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61 13 00-0375	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	795.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38	
33 61 13 00-0376	EA		3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	926.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51	
33 61 13 00-0377	EA		4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,080.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93	
33 61 13 00-0378	EA		5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,263.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.76	
33 61 13 00-0379	EA		6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,381.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61 13 00-0380	EA		8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,924.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96	
33 61 13 00-0381	EA		10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,567.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79	
33 61 13 00-0382	EA		12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,247.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46	

33 61 13 00-0383			Elbows <small>(33 61 13 00-0340)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0384	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	410.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
33 61 13 00-0385	EA		1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	426.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61 13 00-0386	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	491.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
33 61 13 00-0387	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	557.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 00-0388	EA		2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	669.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61 13 00-0389	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	820.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86	
33 61 13 00-0390	EA		3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	953.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.06	
33 61 13 00-0391	EA		4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,113.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61 13 00-0392	EA		5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,305.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60	
33 61 13 00-0393	EA		6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,429.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61 13 00-0394	EA		8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,992.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33	
33 61 13 00-0395	EA		10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,654.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,363.51 37.77	
33 61 13 00-0397		Teas (33 61 13 00-0399)		
33 61 13 00-0398		Teas (33 61 13 00-0397) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	533.66 6.92	
33 61 13 00-0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	556.18 7.08	
33 61 13 00-0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	641.79 8.06	
33 61 13 00-0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	731.52 8.79	
33 61 13 00-0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	895.62 9.16	
33 61 13 00-0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,116.31 9.52	
33 61 13 00-0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,300.31 10.99	
33 61 13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,517.64 12.82	
33 61 13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,765.73 16.48	
33 61 13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,921.86 18.72	
33 61 13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,666.36 27.06	
33 61 13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,574.04 34.59	
33 61 13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,501.30 45.79	
33 61 13 00-0412		Teas (33 61 13 00-0397) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	559.60 7.44	
33 61 13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	582.73 7.61	
33 61 13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	672.01 8.66	
33 61 13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	764.48 9.45	
33 61 13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	929.96 9.84	
33 61 13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,152.03 10.24	
33 61 13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,341.52 11.81	
33 61 13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,565.72 13.78	
33 61 13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,827.54 17.72	
33 61 13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,992.06 20.13	
33 61 13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,767.85 29.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0424 EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,703.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19	
33 61 13 00-0425 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,673.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22	
33 61 13 00-0426 Tees <small>(33 61 13 00-0397)</small>		
<small>Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0427 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	585.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0428 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	609.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14	
33 61 13 00-0429 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	702.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 00-0430 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	797.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 00-0431 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	964.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 00-0432 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,187.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61 13 00-0433 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,382.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 00-0434 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,613.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	
33 61 13 00-0435 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,889.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61 13 00-0436 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,062.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61 13 00-0437 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,868.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.12	
33 61 13 00-0438 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,830.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.78	
33 61 13 00-0439 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,847.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.65	
33 61 13 00-0440 Tees <small>(33 61 13 00-0397)</small>		
<small>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0441 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	611.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61 13 00-0442 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	635.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61 13 00-0443 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	732.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61 13 00-0444 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	830.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 00-0445 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	998.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61 13 00-0446 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,223.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61 13 00-0447 EA 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,423.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61 13 00-0448 EA 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,661.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.70	
33 61 13 00-0449 EA 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,951.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.19	
33 61 13 00-0450 EA 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,132.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.93	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,969.58 33.15	
33 61 13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,960.39 42.38	
33 61 13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,019.66 56.09	
33 61 13 00-0454		Reducers (33 61 13 00-0339)		
33 61 13 00-0455		Reducers (33 61 13 00-0454) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	306.05 3.87	
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	319.25 3.96	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	368.65 4.50	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	420.91 4.91	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	518.77 5.12	
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	660.27 5.32	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	761.62 6.14	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	883.96 7.17	
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,023.78 9.21	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,114.41 10.46	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,545.44 15.13	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,072.76 19.34	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,604.49 25.59	
33 61 13 00-0469		Reducers (33 61 13 00-0454) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	320.55 4.16	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	334.09 4.25	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	385.54 4.84	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	439.34 5.28	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	537.96 5.50	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	680.24 5.72	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	784.65 6.60	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	910.83 7.70	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,058.33 9.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0479 EA 6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,153.65 11.25	
33 61 13 00-0480 EA 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,602.17 16.26	
33 61 13 00-0481 EA 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,145.27 20.79	
33 61 13 00-0482 EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,700.46 27.51	
33 61 13 00-0483 Reducers <small>(33 61 13 00-0454)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0484 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	335.06 4.45	
33 61 13 00-0485 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	348.94 4.55	
33 61 13 00-0486 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	402.43 5.18	
33 61 13 00-0487 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	457.76 5.65	
33 61 13 00-0488 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	557.15 5.89	
33 61 13 00-0489 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	700.20 6.12	
33 61 13 00-0490 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	807.68 7.06	
33 61 13 00-0491 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	937.70 8.24	
33 61 13 00-0492 EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,092.88 10.59	
33 61 13 00-0493 EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,193.14 12.03	
33 61 13 00-0494 EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,658.44 17.40	
33 61 13 00-0495 EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,217.37 22.24	
33 61 13 00-0496 EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,796.72 29.43	
33 61 13 00-0497 Reducers <small>(33 61 13 00-0454)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0498 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	349.56 4.74	
33 61 13 00-0499 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	363.78 4.85	
33 61 13 00-0500 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	419.32 5.52	
33 61 13 00-0501 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	476.19 6.02	
33 61 13 00-0502 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	576.35 6.27	
33 61 13 00-0503 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	720.16 6.52	
33 61 13 00-0504 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	830.71 7.52	
33 61 13 00-0505 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	964.57 8.78	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,127.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	
33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,232.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,715.17	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,289.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,892.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	
33 61 13 00-0511		Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0505)</small>		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0512		Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	192.65	62.55
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	281.96	89.83
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	380.76	108.53
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	483.74	129.16
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	600.53	158.96
33 61 13 00-0518		Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	205.06	62.59
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	300.39	89.82
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	407.59	108.53
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	519.13	129.16
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	644.69	158.96
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	705.45	169.61
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	794.95	181.72
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	894.80	193.84
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	984.84	205.96
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,166.31	224.13
33 61 13 00-0529		Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0502)</small>		
33 61 13 00-0530		Elbows <small>(33 61 13 00-0529)</small>		
33 61 13 00-0531		Elbows <small>(33 61 13 00-0530)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,770.60	
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,359.36	
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,327.21	
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,376.80	
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,619.13	
33 61 13 00-0537		Elbows <small>(33 61 13 00-0530)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,923.88	
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,583.19	
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,650.81	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61 13 00-0541	EA 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,790.41	
	33 61 13 00-0542	EA 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,166.56	
	33 61 13 00-0543	EA 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,504.36	
	33 61 13 00-0544	EA 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,878.65	
	33 61 13 00-0545	EA 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	11,084.16	
	33 61 13 00-0546	EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	14,055.94	
	33 61 13 00-0547	EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	18,175.53	
	33 61 13 00-0548	Tees <small>(33 61 13 00-0529)</small>		
	33 61 13 00-0549	Tees <small>(33 61 13 00-0548)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0550	EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,639.42	
	33 61 13 00-0551	EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,516.00	
	33 61 13 00-0552	EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,954.17	
	33 61 13 00-0553	EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,523.22	
	33 61 13 00-0554	EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,369.83	
	33 61 13 00-0555	Tees <small>(33 61 13 00-0548)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0556	EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,867.04	
	33 61 13 00-0557	EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,848.40	
	33 61 13 00-0558	EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,434.71	
	33 61 13 00-0559	EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,137.44	
	33 61 13 00-0560	EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	9,182.77	
	33 61 13 00-0561	EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	10,977.20	
	33 61 13 00-0562	EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	12,991.51	
	33 61 13 00-0563	EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	16,220.79	
	33 61 13 00-0564	EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	20,579.65	
	33 61 13 00-0565	EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	26,604.21	
	33 61 13 00-0566	Reducers <small>(33 61 13 00-0529)</small>		
	33 61 13 00-0567	Reducers <small>(33 61 13 00-0566)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0568	EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,516.35	
	33 61 13 00-0569	EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,011.37	
	33 61 13 00-0570	EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,832.39	
	33 61 13 00-0571	EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,732.22	
	33 61 13 00-0572	EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,779.99	
	33 61 13 00-0573	Reducers <small>(33 61 13 00-0566)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0574	EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,643.57	
	33 61 13 00-0575	EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,197.15	
	33 61 13 00-0576	EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,100.96	
	33 61 13 00-0577	EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,075.52	
	33 61 13 00-0578	EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,234.36	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0579 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,250.03	
33 61 13 00-0580 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,387.59	
33 61 13 00-0581 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	9,168.22	
33 61 13 00-0582 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	11,702.87	
33 61 13 00-0583 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	15,166.84	
33 61 13 00-0584 Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0052)</small>		
33 61 13 00-0585 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0586 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	176.50	27.65
33 61 13 00-0587 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	233.64	33.69
33 61 13 00-0588 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	323.46	35.32
33 61 13 00-0589 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	446.25	44.16
33 61 13 00-0590 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	572.55	54.45
33 61 13 00-0591 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0592 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	87.45	33.69
33 61 13 00-0593 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	105.05	33.69
33 61 13 00-0594 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	121.77	33.69
33 61 13 00-0595 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	145.57	39.83
33 61 13 00-0596 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	176.14	50.55
33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0598 LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	87.45	33.69
33 61 13 00-0599 LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	105.04	33.69
33 61 13 00-0600 LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	120.23	33.69
33 61 13 00-0601 LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	145.56	39.83
33 61 13 00-0602 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	176.14	50.55
33 70 Electrical Utilities <small>(33)</small>		
33 71 Electrical Utility Transmission and Distribution <small>(33 70)</small>		
33 71 19 Electrical Underground Ducts, Ductbanks and Manholes <small>(33 71)</small>		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 71 19 13 Electrical Manholes and Handholes <small>(33 71 19)</small>		
33 71 19 13-0001 Electrical Handholes And Pull Boxes <small>(33 71 19 13)</small>		
33 71 19 13-0002 Electrical Pull Boxes <small>(33 71 19 13-0001)</small>		
See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,358.50	525.91
33 71 19 13-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,846.04	582.92
33 71 19 13-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,313.59	633.62
33 71 19 13-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,254.46	760.34
33 71 19 13-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	5,627.83	760.34
33 71 19 13-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,064.49	792.02
33 71 19 13-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	6,985.37	887.07
33 71 19 13-0010 Electrical Pull Boxes (CALTRANS) <small>(33 71 19 13-0001)</small>		
33 71 19 13-0011 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box	133.00	
33 71 19 13-0012 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	54.41	
33 71 19 13-0013 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	83.00	
33 71 19 13-0014 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	178.64	
33 71 19 13-0015 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	277.79	
For Galvanized Steel Cover, Add	48.00	
33 71 19 13-0016 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	67.75	
33 71 19 13-0017 EA Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	67.75	
33 71 19 13-0018 EA Body, CALTRANS 5 Precast Concrete Pull Box	189.82	
33 71 19 13-0019 EA Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	73.18	
33 71 19 13-0020 EA Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	101.78	
33 71 19 13-0021 EA Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	369.32	
For Galvanized Steel Cover, Add	88.01	
33 71 19 13-0022 EA 12" Extension, CALTRANS 5 Precast Concrete Pull Box	97.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0023 EA Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	90.63	
33 71 19 13-0024 EA Body, CALTRANS 6 Precast Concrete Pull Box.....	208.60	
33 71 19 13-0025 EA Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	98.41	
33 71 19 13-0026 EA Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	127.01	
33 71 19 13-0027 EA Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	507.78	
<i>For Galvanized Steel Cover, Add</i>	<i>123.21</i>	
33 71 19 13-0028 EA 12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	115.86	
33 71 19 13-0029 EA Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	108.82	
33 71 19 13-0030 EA 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	151.06	
33 71 19 13-0031 EA Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	304.90	
33 71 19 13-0032 EA Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	444.42	
33 71 19 13-0033 EA 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	139.33	
33 71 19 13-0034 EA Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	127.59	
33 71 19 13-0035 EA Body, CALTRANS 5-T Precast Concrete Pull Box.....	396.35	
33 71 19 13-0036 EA Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	643.90	
33 71 19 13-0037 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	167.49	
33 71 19 13-0038 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	162.80	
33 71 19 13-0039 EA Body, CALTRANS 6-T Precast Concrete Pull Box.....	567.67	
33 71 19 13-0040 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	902.05	
33 71 19 13-0041 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	284.83	
33 71 19 13-0042 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	221.47	
33 71 19 13-0043 Electrical Property Line Boxes (33 71 19 13)		
33 71 19 13-0044 EA 3'-6" x 2'-9" x 2' Deep Property Line Box.....	4,956.40	427.70
33 71 19 13-0045 EA 4'-6" x 3'-6" x 4' Deep Property Line Box.....	5,825.64	443.53
33 71 19 13-0046 EA 6' x 4' x 5' Deep Property Line Box.....	6,391.17	538.58
33 71 19 13-0047 EA 11'-6" x 4'-6" x 6' Deep Property Line Box.....	9,786.13	792.02
33 71 19 13-0048 Manhole Accessories (33 71 19 13)		
33 71 19 13-0049 EA 6" Precast Grade Ring Riser Casting.....	653.45	184.58
33 71 19 13-0050 EA 12" Precast Grade Ring Riser Casting.....	707.66	199.97
33 71 19 13-0051 EA 36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	2,580.13	307.65
33 71 19 13-0052 EA 42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	3,363.16	384.55
33 71 19 13-0053 EA Cast Iron Adjusting Ring (NEENAH #R-1979).....	1,106.15	205.35
33 71 19 13-0054 EA Cast Iron Frame And Cover (NEENAH #R-1640-B).....	1,399.75	230.73
33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)		
33 71 19 23-0001 Underground Ductbank (33 71 19 23)		
Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.		
33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.		
33 71 19 23-0003 LF 2 At 2", Rigid Galvanized Conduit Duct Bank.....	45.62	
33 71 19 23-0004 LF 4 At 2", Rigid Galvanized Conduit Duct Bank.....	91.28	
33 71 19 23-0005 LF 2 At 3", Rigid Galvanized Conduit Duct Bank.....	94.27	
33 71 19 23-0006 LF 4 At 3", Rigid Galvanized Conduit Duct Bank.....	189.07	
33 71 19 23-0007 LF 2 At 4", Rigid Galvanized Conduit Duct Bank.....	138.81	
33 71 19 23-0008 LF 4 At 4", Rigid Galvanized Conduit Duct Bank.....	279.02	
33 71 19 23-0009 LF 6 At 4", Rigid Galvanized Conduit Duct Bank.....	419.25	
33 71 19 23-0010 LF 2 At 5", Rigid Galvanized Conduit Duct Bank.....	261.93	
33 71 19 23-0011 LF 4 At 5", Rigid Galvanized Conduit Duct Bank.....	522.43	
33 71 19 23-0012 LF 6 At 5", Rigid Galvanized Conduit Duct Bank.....	803.34	
33 71 19 23-0013 LF 2 At 6", Rigid Galvanized Conduit Duct Bank.....	372.09	
33 71 19 23-0014 LF 4 At 6", Rigid Galvanized Conduit Duct Bank.....	746.91	
33 71 19 23-0015 LF 6 At 6", Rigid Galvanized Conduit Duct Bank.....	1,111.89	
33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.		
33 71 19 23-0017 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.03	
33 71 19 23-0018 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	24.02	
33 71 19 23-0019 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	46.32	
33 71 19 23-0020 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	14.70	
33 71 19 23-0021 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	29.32	
33 71 19 23-0022 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	59.48	
33 71 19 23-0023 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	20.03	
33 71 19 23-0024 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	40.12	
33 71 19 23-0025 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	80.33	
33 71 19 23-0026 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	120.46	
33 71 19 23-0027 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	25.96	
33 71 19 23-0028 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	51.85	
33 71 19 23-0029 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	100.85	

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0030 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	144.23	
33 71 19 23-0031 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	44.62	
33 71 19 23-0032 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	70.85	
33 71 19 23-0033 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	141.97	
33 71 19 23-0034 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	227.00	
33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.		
33 71 19 23-0036 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	12.29	
33 71 19 23-0037 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	26.60	
33 71 19 23-0038 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	51.18	
33 71 19 23-0039 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	15.40	
33 71 19 23-0040 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	30.76	
33 71 19 23-0041 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	61.25	
33 71 19 23-0042 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	20.74	
33 71 19 23-0043 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	41.56	
33 71 19 23-0044 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	83.20	
33 71 19 23-0045 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	124.76	
33 71 19 23-0046 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	27.04	
33 71 19 23-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	54.01	
33 71 19 23-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	105.17	
33 71 19 23-0049 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	150.72	
33 71 19 23-0050 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	46.11	
33 71 19 23-0051 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	73.95	
33 71 19 23-0052 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	148.18	
33 71 19 23-0053 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	236.31	
33 71 19 23-0054 Male Or Female Adapters (33 71 19 23-0001)		
33 71 19 23-0055 EA 2" Adapter.....	56.88	
33 71 19 23-0056 EA 3" Adapter.....	87.25	
33 71 19 23-0057 EA 4" Adapter.....	114.63	
33 71 19 23-0058 EA 5" Adapter.....	191.70	
33 71 19 23-0059 EA 6" Adapter.....	233.40	
33 71 19 23-0060 Underground Electrical Concrete Markers (33 71 19 23)		
33 71 19 23-0061 EA 36" x 6" x 6", Underground Electric Concrete Marker.....	462.83	

END OF SECTION 33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

34 Transportation

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 Traffic Signals ^(34 41 13)

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern.....	7,638.92	1,004.60
------------------	----	--	----------	----------

34 41 13 00-0003 Traffic Detector Induction Loop ^(34 41 13)

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	436.44	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	544.47	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	627.28	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	534.14	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	927.08	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,127.29	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,212.41	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,469.24	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,595.02	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,692.10	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,845.76	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector..... Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	8.15	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector..... Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	3.94	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	292.93	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	805.19	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	504.62	

34 41 13 00-0020 Overhead Traffic Signals ^(34 41 13)

34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section.....	655.57	213.48
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections.....	1,053.20	301.38
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections.....	1,461.03	368.35
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	1,393.13	368.35
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections.....	1,839.00	410.21
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections.....	2,183.49	435.32
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	2,314.77	435.32
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section.....	621.62	213.48
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections.....	985.29	301.38
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections.....	1,295.79	368.35
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	1,379.54	368.35
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,694.13	410.21
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	1,646.60	410.21
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,934.50	435.32
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	2,040.89	435.32
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	2,864.40	368.35
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	3,724.49	410.21
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	4,831.78	435.32
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	5,227.90	435.32
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly.....	620.07	167.43
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly.....	1,108.86	334.87
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly.....	391.49	125.57
34 41 13 00-0043	EA	Pedestrian Signal Head.....	1,113.44	251.15

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044 EA Pedestrian Signal Insert.....	678.95	125.57
34 41 13 00-0045 EA Audible Pedestrian Signal.....	1,478.35	
34 41 13 00-0046 EA Junction Box, Pole Or Post Mounted.....	587.60	
34 41 13 00-0047 EA Pedestrian Push Button.....	550.19	
34 41 13 00-0048 EA Illuminated Sign, Bracket Mounted, Symbolic.....	4,113.36	
34 41 13 00-0049 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	4,306.99	
34 41 13 00-0050 EA Sign, Message, "BLANK OUT", Bracket Mounted.....	4,508.05	
34 41 13 00-0051 EA Sign, Message, "BLANK OUT", Mast Arm Mounted.....	4,802.88	
34 41 13 00-0052 EA Sign, Fiber Optic, Bracket Mounted.....	5,106.15	
34 41 13 00-0053 EA Sign, Fiber Optic, Mast Arm Mounted.....	5,407.24	
34 41 13 00-0054 EA 16' Pedestal With Base Plate And Cover.....	1,860.37	234.72
34 41 13 00-0055 EA 30' Type 15TS Signal And Lighting Standard.....	7,714.23	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0056 EA 35' Type 21TS Signal And Lighting Standard.....	8,918.31	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0057 EA 17' Type 18-2-100 Signal And Lighting Standard.....	4,389.84	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0058 EA 17' Type 18-3-100 Signal And Lighting Standard.....	4,854.74	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0059 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard.....	5,032.94	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0060 EA 17' Type 23-3-100 Signal And Lighting Standard.....	5,032.94	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0061 EA 17' Type 23-4-100 Signal And Lighting Standard.....	5,126.50	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0062 EA 17' Type 27-3-100 Signal And Lighting Standard.....	5,594.32	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0063 EA 17' Type 27-4-100 Signal And Lighting Standard.....	5,701.90	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0064 EA 17' Type 28-5-100 Signal And Lighting Standard.....	5,922.47	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0065 EA 17' Type 60-5-100 Signal And Lighting Standard.....	6,269.88	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0066 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	4,663.32	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0067 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard.....	8,202.37	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0068 EA 30' Type 19-2-100 Signal And Lighting Standard.....	9,178.65	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0069 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard.....	9,552.89	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0070 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard.....	9,552.89	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0071 EA 30' Type 26-3-100 Signal And Lighting Standard.....	10,731.74	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0072 EA 30' Type 26-4-100 Signal And Lighting Standard.....	11,183.65	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0073 EA 30' Type 29-5-100 Signal And Lighting Standard.....	11,658.12	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0074 EA 30' Type 61-5-100 Signal And Lighting Standard.....	12,405.45	
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0075 EA 35' Type 17A-2-100 Signal And Lighting Standard.....	9,529.09	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0076 EA 35' Type 19A-2-100 Signal And Lighting Standard.....	10,668.09	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0077 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard.....	11,104.72	
Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0078 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard.....	11,104.72	
Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0079 EA 35' Type 26A-3-100 Signal And Lighting Standard.....	12,480.03	
Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0080 EA 35' Type 26A-4-100 Signal And Lighting Standard.....	13,007.25	
Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0081 EA 35' Type 29A-5-100 Signal And Lighting Standard.....	13,560.82	
Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0082 EA 35' Type 61A-5-100 Signal And Lighting Standard.....	14,432.68	
Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0083 EA 15' Steel Straight Mast Arm, MONOTUBE.....	3,295.05	
34 41 13 00-0084 EA 20' Steel Straight Mast Arm, MONOTUBE.....	3,463.62	
34 41 13 00-0085 EA 25' Steel Straight Mast Arm, MONOTUBE.....	3,697.53	
34 41 13 00-0086 EA 30' Steel Straight Mast Arm, MONOTUBE.....	4,916.98	
34 41 13 00-0087 EA 35' Steel Straight Mast Arm, MONOTUBE.....	5,887.28	
34 41 13 00-0088 EA 40' Steel Straight Mast Arm, MONOTUBE.....	6,310.52	
34 41 13 00-0089 EA 45' Steel Straight Mast Arm, MONOTUBE.....	6,952.35	
34 41 13 00-0090 EA 4' Steel Curved Luminaire Mast Arm.....	1,140.47	
34 41 13 00-0091 EA 6' Steel Curved Luminaire Mast Arm.....	1,478.04	
For High Rise Arm, Add	116.22	
34 41 13 00-0092 EA 8' Steel Curved Luminaire Mast Arm.....	1,849.10	
34 41 13 00-0093 EA 10' Steel Curved Luminaire Mast Arm.....	2,576.01	
For High Rise Arm, Add	171.08	
34 41 13 00-0094 EA 12' Steel Curved Luminaire Mast Arm.....	2,826.88	
For High Rise Arm, Add	201.77	
34 41 13 00-0095 EA 15' Steel Curved Luminaire Mast Arm.....	2,935.53	
For High Rise Arm, Add	225.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0096 EA 15' Tubular Aluminum Post.....	1,215.26	
34 41 13 00-0097 EA 17' Tubular Aluminum Post.....	1,299.24	
34 41 13 00-0098 EA 20' Tubular Aluminum Post.....	1,449.48	
34 41 13 00-0099 EA CUT-OFF POLE AND CAPPED.....	230.62	
34 41 13 00-0100 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	68.27	
34 41 13 00-0101 EA PAINT EXISTING TS POST COMPLETE.....	326.94	
34 41 13 00-0102 EA 1 Channel Loop Detector Amplifier.....	1,710.26	
34 41 13 00-0103 EA 4 Channel Loop Detector Amplifier.....	3,190.27	
34 41 13 00-0104 EA FLASHING BEACON WITH DOWNLIGHT.....	2,555.32	
34 41 13 00-0105 EA Flashing Beacon, Bracket Mounted.....	931.32	
34 41 13 00-0106 EA Flashing Beacon, Mast Arm Mounted.....	931.32	
34 41 13 00-0107 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	21,875.22	
34 41 13 00-0108 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	4,155.33	
34 41 13 00-0109 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	2,244.78	
34 41 13 00-0110 EA Smart Sensor HD (Wavetronix HD125).....	11,823.99	
34 41 13 00-0111 EA Access Point (Sensys AP240-ES).....	5,482.83	
Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0112 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	9,467.22	
34 41 13 00-0113 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	350.10	
34 41 13 00-0114 EA Repeater (Sensys RP240-B-LL).....	2,513.13	
Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0115 EA Wireless Flush Mounted Sensor (Sensys VSN240-F).....	1,146.45	
Note: Excludes coring.		
34 41 13 00-0116 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug.....	2,879.18	
34 41 13 00-0117 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	7,265.85	2.24
34 41 13 00-0118 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	9,512.78	2.24
34 41 13 00-0119 EA Pole Base Foundation for Type 15 and 21 Poles.....	5,668.34	2.24
34 41 13 00-0120 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	7,265.85	2.24
34 41 13 00-0121 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	9,512.78	2.24
34 41 13 00-0122 EA LED Enhanced Pedestrian Crossing Symbol Sign.....	2,054.84	140.55
Note: 2 required per system.		
34 41 13 00-0123 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System.....	6,008.07	843.31
Note: 4 required per system.		
34 41 13 00-0124 EA Power Control Unit With Enclosure (Solar).....	20,280.69	562.21
Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41 13 00-0125 EA Power Control Unit With Enclosure (A/C).....	13,078.41	562.21
34 41 13 00-0126 EA Push Button Assembly With Sign.....	1,234.62	281.10
34 41 13 00-0127 EA Advanced Warning Signs.....	2,340.37	281.10
34 41 13 00-0128 EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	6,762.55	
34 41 13 00-0129 EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	6,954.95	
34 41 13 00-0130 EA Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100.....	59,502.10	
34 41 13 00-0131 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	1,287.64	
34 41 13 00-0132 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	1,400.81	
34 41 13 00-0133 EA Optical Detector For Mast Arm Mounting, 2 Channel.....	1,772.03	
34 41 13 00-0134 EA 2 Channel Phase Selector.....	3,868.27	
34 41 13 00-0135 EA 4 Channel Phase Selector.....	6,007.28	
34 41 13 00-0136 EA Malfunction Management Unit For Use With NEMA Controller.....	1,964.62	
34 41 13 00-0137 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	1,287.64	307.65
34 41 13 00-0138 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	1,400.81	307.65
34 41 13 00-0139 EA Optical Detector For Pole-Side Mounting, 2 Channel.....	1,772.03	307.65
34 41 13 00-0140 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	1,287.64	307.65
34 41 13 00-0141 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	1,400.81	307.65
34 41 13 00-0142 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,772.03	307.65
34 41 13 00-0143 EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	1,287.64	307.65
34 41 13 00-0144 EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	1,400.81	307.65
34 41 13 00-0145 EA Optical Detector For Span Wire Mounting, 2 Channel.....	1,772.03	307.65
34 41 13 00-0146 EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	1,287.64	307.65
34 41 13 00-0147 EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	1,400.81	307.65
34 41 13 00-0148 EA Optical Detector For Signal Top Mounting, 2 Channel.....	1,772.03	307.65
34 41 13 00-0149 EA Time Switch, 1-Circuit.....	280.85	
34 41 13 00-0150 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	396.09	
34 41 13 00-0151 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	516.06	
34 41 13 00-0152 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	731.09	
34 41 13 00-0153 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	916.70	
34 41 13 00-0154 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply.....	2,478.51	
34 41 13 00-0155 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	2,478.51	
34 41 13 00-0156 EA Power Line Surge Protector - Edco SHP 300-10.....	232.19	
34 41 13 00-0157 EA Loop Detector Surge Protector - Edco SRA-6LC.....	120.06	
34 41 13 00-0158 EA Controller Cabinet (Econolite Type "O").....	34,421.29	
34 41 13 00-0159 EA Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	15,233.60	
34 41 13 00-0160 EA Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	16,523.80	
34 41 13 00-0161 EA Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	18,074.29	
34 41 13 00-0162 EA Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	18,549.63	
34 41 13 00-0163 EA Speed Limit Beacon Control Cabinet.....	7,667.95	
34 41 13 00-0164 EA Remote Detector Cabinet.....	4,159.52	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 41 13 00-0165	EA	Traffic Signal Hand Control.....	1,127.09	
34 41 13 00-0166	EA	Extra Pedestrian Detector Isolation Assembly.....	900.75	
34 41 13 00-0167	EA	Fiber Optic Transceivers-Repeater Module.....	1,158.96	
34 41 13 00-0168	EA	Field Transceiver-Repeater.....	508.63	
34 41 13 00-0169	EA	Load Switch.....	111.35	
34 41 13 00-0170	EA	30" Pedestal With Base Plate And Cover.....	978.86	
34 41 13 00-0171	EA	8' Pedestal With Base Plate And Cover.....	1,425.63	
34 41 13 00-0172	EA	11' Pedestal With Base Plate And Cover.....	1,585.36	
34 41 13 00-0173	EA	15' Pedestal With Base Plate And Cover.....	1,766.06	
34 41 13 00-0174	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.87	
34 41 13 00-0175	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.01	
34 41 13 00-0176	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.33	
34 41 13 00-0177	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.66	
34 41 13 00-0178	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.99	
34 41 13 00-0179	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	3.53	
34 41 13 00-0180	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	4.04	
34 41 13 00-0181	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	5.01	
34 41 13 00-0182	LF	3/16" Diameter Messenger Cable.....	0.72	0.11
34 41 13 00-0183	LF	1/4" Diameter Messenger Cable.....	0.86	0.11
34 41 13 00-0184	LF	3/8" Diameter Messenger Cable.....	1.60	0.11
34 41 13 00-0185	LF	1/2" Diameter Messenger Cable.....	3.33	0.22
34 41 13 00-0186	EA	4' Diameter x 10' Concrete Base For Poles.....	3,412.42	
		Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0187	EA	4' Diameter x 16' Concrete Base For Poles.....	5,397.24	
		Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0188	EA	Internally Illuminated Street Name Sign, 1 Line, 4'.....	3,023.78	334.87
34 41 13 00-0189	EA	Internally Illuminated Street Name Sign, 1 Line, 6'.....	3,734.44	418.58
34 41 13 00-0190	EA	Internally Illuminated Street Name Sign, 1 Line, 8'.....	4,082.96	502.30
34 41 13 00-0191	EA	Internally Illuminated Street Name Sign, 1 Line, 10'.....	4,612.55	586.02
34 41 13 00-0192	EA	Internally Illuminated Street Name Sign, 1 Line, 12'.....	4,961.07	669.74
34 41 13 00-0193	EA	Internally Illuminated Street Name Sign, 2 Line, 4'.....	4,734.99	334.87
34 41 13 00-0194	EA	Internally Illuminated Street Name Sign, 2 Line, 6'.....	5,834.97	418.58
34 41 13 00-0195	EA	Internally Illuminated Street Name Sign, 2 Line, 8'.....	6,310.24	502.30
34 41 13 00-0196	EA	Internally Illuminated Street Name Sign, 2 Line, 10'.....	7,057.13	586.02
34 41 13 00-0197	EA	Internally Illuminated Street Name Sign, 2 Line, 12'.....	7,586.73	669.74
34 41 13 00-0198	EA	Photoelectric Controller, Multi-Volt.....	113.94	39.99
34 41 13 00-0199	EA	Photoelectric Controller, 120 Volt.....	117.11	39.99
34 41 13 00-0200	EA	Photoelectric Controller, 480 Volt.....	117.11	39.99
34 41 13 00-0201	EA	Wi-Fi Communication Unit.....	1,577.53	167.43
34 41 13 00-0202	EA	Wi-Fi Communication Unit Mounting Bracket.....	364.33	125.57
34 41 13 00-0203	EA	Wi-Fi Communication Unit Power Supply / POE Injector.....	323.61	83.71
34 41 13 00-0204	EA	Wi-Fi Communication Unit Packet.....	2,265.47	251.15
34 41 13 00-0205	LF	Preemptor Detector Cable.....	2.20	
34 41 13 00-0206	EA	Sno-Shoe Cable Storage Assembly.....	295.56	

34 41 13 00-0207 Traffic Signal Cable (34 41 13)

34 41 13 00-0208	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	2.62	1.17
34 41 13 00-0209	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	2.93	1.25
34 41 13 00-0210	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	3.21	1.33
34 41 13 00-0211	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	3.48	1.42
34 41 13 00-0212	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	3.82	1.50
34 41 13 00-0213	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	4.41	1.67
34 41 13 00-0214	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	5.16	1.91
34 41 13 00-0215	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	5.91	2.16
34 41 13 00-0216	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	6.94	2.41
34 41 13 00-0217	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	8.14	2.66
34 41 13 00-0218	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	2.70	1.17
34 41 13 00-0219	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	3.03	1.25
34 41 13 00-0220	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	3.34	1.33
34 41 13 00-0221	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	3.65	1.42
34 41 13 00-0222	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	4.03	1.50
34 41 13 00-0223	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	4.67	1.67
34 41 13 00-0224	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	5.49	1.91
34 41 13 00-0225	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	6.31	2.16
34 41 13 00-0226	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	7.46	2.41
34 41 13 00-0227	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	8.84	2.66
34 41 13 00-0228	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	2.87	1.17
34 41 13 00-0229	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	3.29	1.25
34 41 13 00-0230	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	3.67	1.33
34 41 13 00-0231	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	4.04	1.42
34 41 13 00-0232	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	4.52	1.50
34 41 13 00-0233	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	5.32	1.67
34 41 13 00-0234	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	6.28	1.91
34 41 13 00-0235	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	7.25	2.16
34 41 13 00-0236	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	8.72	2.41
34 41 13 00-0237	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	10.52	2.66

34 41 13 00-0238 School Zone Flasher Beacons (34 41 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0239 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,099.73	253.02
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0240 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,142.73	253.02
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0241 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,872.74	253.02
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0242 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	7,010.34	253.02
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0243 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly...	12,821.62	253.02
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0244 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly...	13,360.86	253.02
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0245 Traffic Light Control Synchronization (34 41 13)		
34 41 13 00-0246 EA ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	5,337.66	
34 41 13 00-0247 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R).....	4,008.34	
34 41 13 00-0248 EA ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	9,361.93	
34 41 13 00-0249 EA 5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT).....	6,320.56	
34 41 13 00-0250 EA 2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT).....	6,320.56	
34 41 13 00-0251 EA Solar Cabinet Assembly.....	17,319.44	
34 41 13 00-0252 EA Data Controller Interface Cable Assembly.....	703.80	
34 41 13 00-0253 EA 900 MHZ Splitter.....	798.55	
34 41 13 00-0254 EA 900 MHZ Surge Suppressor.....	285.01	
34 41 13 00-0255 EA Surge-Radio Lead in Cable.....	179.14	
34 41 13 00-0256 EA 12DB GAIN YAGI Antenna.....	839.49	
34 41 13 00-0257 EA PELCO Antenna Mounting Bracket.....	577.16	
34 41 13 00-0258 MLF Coaxial Cable, LMR-400.....	4,349.70	
34 41 13 00-0259 EA Perle 16 Port Serial Server.....	4,841.19	
34 41 13 00-0260 EA Serial to Ethernet Card.....	2,459.21	
34 41 13 00-0261 EA 404 Stand Alone Modem (GDI 404).....	2,196.40	
34 41 13 00-0262 Traffic Signal Controls (34 41 13)		
34 41 13 00-0263 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,962.32	
34 41 13 00-0264 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	778.36	
34 41 13 00-0265 EA AccessBox for contract closure master card (CC-ACC).....	276.99	
34 41 13 00-0266 EA Flush Mount Wireless Sensor (ATT VSN240-F).....	1,071.32	
34 41 13 00-0267 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	1,071.32	
34 41 13 00-0268 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX).....	166.04	
34 41 13 00-0269 EA SNAPS License for each enabled AP (SNAPS-PER-AP).....	449.80	
34 41 13 00-0270 Traffic Signal Devices (34 41 13)		
34 41 13 00-0271 EA 12" Polycarbonate Signal Head Housing (McCain).....	1,027.72	126.49
34 41 13 00-0272 EA 16" Polycarbonate Pedestrian Signal Housing (McCain).....	535.71	98.39
34 41 13 00-0273 EA Pedestrian Push Button Cap & Switch (McCain M31334).....	442.90	182.72
34 41 13 00-0274 EA Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712).....	611.56	267.05
34 41 13 00-0275 EA Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793).....	472.01	210.82
34 41 13 00-0276 EA 16 Channel Conflict Monitor (McCain 2010 ECLip).....	1,509.43	91.36
34 41 13 00-0277 EA LED Countdown Head (McCain GTX PS7-CFF1-VLA).....	316.24	35.14
34 41 13 00-0278 EA Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	3,398.41	154.61
34 41 13 00-0279 EA Camera processor card (Iteris Edge Connect).....	7,712.76	224.88
34 41 13 00-0280 EA Wireless Broadband Radio (Encom BB58).....	7,282.76	210.82
34 41 13 00-0281 EA 24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900).....	4,821.02	168.66
34 41 13 00-0282 EA Power Adapter (Mean Well DR-120-48).....	186.00	52.71
34 41 13 00-0283 LF 14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	1.15	
34 41 13 00-0284 EA Radar Detection System (Wavetronix Matrix).....	14,132.10	534.09
34 41 13 00-0285 EA Pedestrian Audio Push Button (Polaris APS).....	460.30	133.53
34 41 13 00-0286 EA Opticom Infrared System - Detector (GTT 711).....	1,114.55	125.37
34 41 13 00-0287 EA Opticom Infrared System - Detector (GTT 721).....	1,247.00	140.27
34 41 13 00-0288 EA Opticom Infrared System - Detector (GTT 722).....	1,736.81	195.36
34 41 13 00-0289 EA Opticom Multimode Phase Selector (GTT 764).....	5,559.17	115.51
34 41 13 00-0290 LF Opticom GPS Installation Cable (GTT 1070).....	1.37	
34 41 13 00-0291 EA Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324).....	945.05	
34 41 13 00-0292 EA Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730).....	1,002.17	
34 41 13 00-0293 EA UPS Module (Alpha Technologies FXM 350).....	1,524.96	76.91
Note: For battery backup in traffic signal control cabinet		
34 41 13 00-0294 EA Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual).....	494.39	63.25
Note: To control flashing "School" signs		
34 41 13 00-0295 LF Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR).....	10.75	0.64
34 41 13 00-0296 LF Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber).....	2.72	0.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0029 EA 28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017)..... Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	6,932.39	269.19
34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) <small>(34 41 16 00-0020)</small>		
34 41 16 00-0031 EA 30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,721.86	230.73
34 41 16 00-0032 EA 30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,380.52	246.12
34 41 16 00-0033 Transportation Cabinets (McCain) <small>(34 41 16 00-0020)</small>		
34 41 16 00-0034 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 3521)	12,571.72	269.19
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0035 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332)	12,571.72	269.19
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0036 EA ATC ColdFire Controller (McCain 170)	6,496.20	
34 41 16 00-0037 Traffic Control Equipment <small>(34 41 16)</small>		
34 41 16 00-0038 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	343.86	76.91
34 41 16 00-0039 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	446.84	76.91
34 41 16 00-0040 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	512.24	76.91
34 41 16 00-0041 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	401.04	76.91
34 41 16 00-0042 MLF 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	3,184.54	843.31
34 41 16 00-0043 EA Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	139.70	38.46
34 41 16 00-0044 EA Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	608.20	84.34
34 41 16 00-0045 EA Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003).....	3,143.19	253.02
34 41 16 00-0046 EA Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204)	568.76	38.46
34 41 16 00-0047 EA Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	809.45	38.46
34 41 16 00-0048 EA 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	938.68	76.91
34 41 16 00-0049 EA Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005)	4,046.73	76.91
34 41 16 00-0050 EA 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	506.05	253.02
34 41 16 00-0051 EA 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	597.44	63.25
34 41 16 00-0052 EA 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	524.48	84.34
34 41 16 00-0053 EA 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	336.12	84.34
34 41 16 00-0054 EA Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	359.46	38.46
34 41 16 00-0055 EA 24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202)	432.71	38.46
34 41 16 00-0056 EA Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	202.49	38.46
34 41 16 00-0057 EA Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200)	579.22	38.46
34 41 16 00-0058 EA Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	652.48	38.46
34 41 16 00-0059 EA RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	809.45	38.46
34 41 16 00-0060 EA Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	76.91	38.46
34 41 16 00-0061 EA Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	534.95	84.34
34 41 16 00-0062 MLF LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	3,707.78	843.31
34 41 16 00-0063 EA N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	69.17	23.07
34 41 16 00-0064 EA Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	1,068.46	92.29
34 41 16 00-0065 EA Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco Id53hdpb-1)	1,044.79	115.36
34 41 16 00-0066 EA 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	234.04	38.46
34 41 16 00-0067 EA 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	174.37	38.46
34 41 16 00-0068 EA 24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2)	553.38	38.46
34 41 16 00-0069 EA Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	235.87	38.46
34 41 16 00-0070 EA 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	100.73	38.46
34 41 16 00-0071 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009)	781.71	76.91
Note: Input/Output for sign peripherals.		
34 41 16 00-0072 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009)	781.71	76.91
Note: Input/Output for sign peripherals.		
34 41 16 00-0073 EA Control Area Network Distribution Board (Daktronics 0P-1248-0005)	1,461.92	76.91
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0074 EA Control Area Network Distribution Board (Daktronics 0P-1248-0011)	1,461.92	76.91
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0075 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019)	509.62	76.91
Note: Measures temperature and detects light and reports to CAN Dist Board.		
34 41 16 00-0076 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015)	718.92	76.91
Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0077 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021)	718.92	76.91
Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0078 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003)	593.34	76.91
Note: Measures temperature and detects light and reports to CAN Dist board.		
34 41 16 00-0079 EA Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016)	10,033.62	307.65
Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.		
34 41 16 00-0080 EA DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025)	432.71	38.46
Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.		
34 41 16 00-0081 EA Driver (Daktronics 0P-1100-0026)	813.73	61.53
Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.		

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0082 EA External Temp Sensor (Daktronics 0P-1100-0014) Note: Sensor that measures ambient temperature.	719.55	61.53
34 41 16 00-0083 EA Internal Temp Sensor (Daktronics 0P-1100-0038) Note: Sensor that measures sign internal temperature.	803.26	61.53
34 41 16 00-0084 EA Light Level Detector (Daktronics 0P-1151-0002) Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	489.32	61.53
34 41 16 00-0085 EA Module (Daktronics 0A-1253-0608) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,461.92	76.91
34 41 16 00-0086 EA Module (Daktronics 0A-1253-3018) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,828.19	76.91
34 41 16 00-0087 EA Module (Daktronics 0A-1266-5002) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,618.90	76.91
34 41 16 00-0088 EA Module (Daktronics 0A-1332-6252) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,246.78	76.91
34 41 16 00-0089 EA Module (Daktronics 0A-1332-6455) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,828.19	76.91
34 41 16 00-0090 EA Module (Daktronics 0A-1332-6654) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,828.19	76.91
34 41 16 00-0091 EA Module (Daktronics 0P-1332-3015) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	991.01	76.91
34 41 16 00-0092 EA Module (Daktronics 0P-1332-4116) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	991.01	76.91
34 41 16 00-0093 EA Module (Daktronics 0P-1332-5031) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	991.01	76.91
34 41 16 00-0094 EA Module (Daktronics 0P-1332-5017) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	991.01	76.91
34 41 16 00-0095 EA Module Without Pan (Daktronics 0A-1253-0603) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,461.92	76.91
34 41 16 00-0096 EA Module Without Pan (Daktronics 0A-1253-1605) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,461.92	76.91
34 41 16 00-0097 EA Module Without Pan (Daktronics 0A-1254-1601) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,461.92	76.91
34 41 16 00-0098 EA Pixel Strip (Daktronics 0P-1100-0016) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	520.09	76.91
34 41 16 00-0099 EA Pixel Strip (Daktronics 0P-1100-0029) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	603.81	76.91
34 41 16 00-0100 EA Power Supply (Daktronics A-1593) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,723.54	76.91
34 41 16 00-0101 EA Power Supply (Daktronics A-1648) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,723.54	76.91
34 41 16 00-0102 EA Power Supply (Daktronics A-2307) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	677.06	76.91
34 41 16 00-0103 EA Surge Suppressor (Daktronics A-1129) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	280.66	46.15
34 41 16 00-0104 EA Surge Suppressor (Daktronics A-1412) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	563.21	46.15
34 41 16 00-0105 EA Surge Suppressor (Daktronics A-1772) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	563.21	46.15
34 41 16 00-0106 EA Surge Suppressor (Daktronics A-2139) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	824.83	46.15
34 41 16 00-0107 EA VCB, Vanguard Control Board (Daktronics 0P-1248-0022) Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,399.13	76.91
34 41 16 00-0108 EA VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) Note: Input/Output board for sign peripherals.	1,880.52	76.91
34 41 16 00-0109 EA Power Supply Assembly (Daktronics A-1856R) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,252.63	76.91
34 41 16 00-0110 EA Power Supply Isolation Board (Daktronics 0P-1447-2000) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	834.03	76.91
34 41 16 00-0111 EA Ventilation/Circulation Fan (Daktronics B-1075) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	331.72	76.91
34 41 16 00-0112 EA VMS Controller (V2) (Daktronics 0A-1248-0028) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	10,033.62	307.65
34 41 16 00-0113 EA Photo/Temp Sensor (Daktronics 0P-1247-0015) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	718.92	76.91
34 41 16 00-0114 EA Defog Fan (Daktronics B-1053) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	129.23	38.46
34 41 16 00-0115 EA Defog Heater (Daktronics A-1792) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	160.63	38.46
34 41 16 00-0116 EA Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	938.68	76.91
34 41 16 00-0117 EA Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	938.68	76.91
34 41 16 00-0118 EA 1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,214.19	77.01
34 41 16 00-0119 EA 1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,214.19	77.01
34 41 16 00-0120 EA 16-Port Video Encoder Featuring H.264 Technology (Verint S1816E) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	6,434.82	77.01
34 41 16 00-0121 EA Encoder H.264 Compact, Hiperfmc (Verint S1802E) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,559.84	77.01
34 41 16 00-0122 EA 110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	223.56	38.46
34 41 16 00-0123 EA 1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	759.91	77.01
34 41 16 00-0124 EA Single/Quad-Stream Decoder (Bosch VIP-XD) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,934.00	77.01
34 41 16 00-0125 EA 1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	326.79	76.91
34 41 16 00-0126 EA 4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	679.76	76.91
34 41 16 00-0127 EA 12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	297.45	19.25
34 41 16 00-0128 EA Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	3,731.31	153.82
34 41 16 00-0129 EA Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	242.85	38.46
34 41 16 00-0130 EA 4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	3,362.99	76.91
34 41 16 00-0131 EA 208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	8,049.94	380.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0132 EA 30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	1,106.57	199.97
34 41 16 00-0133 EA 30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	30.45	12.30
34 41 16 00-0134 EA 60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS).....	2,784.77	153.82
34 41 16 00-0135 EA 60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	62.22	12.30
34 41 16 00-0136 EA 50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	2,448.07	84.34
34 41 16 00-0137 EA Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	154.53	58.45
34 41 16 00-0138 EA 12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469).....	410.06	76.91
34 41 16 00-0139 EA Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	687.24	20.02
34 41 16 00-0140 EA Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)).....	740.12	20.02
34 41 16 00-0141 EA 550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	400.54	30.76
34 41 16 00-0142 EA 10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	4,809.03	184.58
34 41 16 00-0143 EA 12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC).....	186.44	35.38
34 41 16 00-0144 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK).....	47.08	7.69
34 41 16 00-0145 EA 170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,507.05	76.91
34 41 16 00-0146 EA 12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E).....	5,215.63	153.82
34 41 16 00-0147 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000).....	3,587.71	253.80
34 41 16 00-0148 EA 100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS).....	969.51	439.93
34 41 16 00-0149 EA 70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S).....	676.27	307.65
34 41 16 00-0150 EA 60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	132.94	41.53
34 41 16 00-0151 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	99.13	27.69
34 41 16 00-0152 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	80.22	27.69
34 41 16 00-0153 EA 20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	80.22	27.69
34 41 16 00-0154 EA One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4).....	326.79	76.91
34 41 16 00-0155 EA DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC).....	336.10	38.51
34 41 16 00-0156 EA H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC).....	3,028.78	38.51
34 41 16 00-0157 EA Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	592.53	20.02
34 41 16 00-0158 EA Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	12,138.47	253.02
34 41 16 00-0159 EA Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9).....	487.86	84.34

34 70 Transportation Construction and Equipment ⁽³⁴⁾

34 71 Roadway Construction ^(34 70)

34 71 13 Vehicle Barriers ^(34 71)

34 71 13 13 Vehicle Median Barriers ^(34 71 13)

34 71 13 13-0001 Concrete Median Barrier ^(34 71 13 13)

34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	88.17	4.10
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	120.23	4.10
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	154.07	4.10
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	58.92	6.85
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	48.29	3.37

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)

34 71 13 16-0001 Impact Barrier, Non-Redirective ^(34 71 13 16)

34 71 13 16-0002 Sand Barrel Impact Attenuator ^(34 71 13 16-0001)

34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel.....	582.19	48.58
Note: Includes containers, inserts, and lid.		

34 71 13 26 Vehicle Guide Rails ^(34 71 13)

34 71 13 26-0001 Mobilize Guide Rail Crew ^(34 71 13 26)

34 71 13 26-0002 EA Mobilize Guide Rail Crew.....	1,238.65	
Note: Excludes equipment mobilization.		

34 71 13 26-0003 Corrugated Beam Guide Rail ^(34 71 13 26)

34 71 13 26-0004 Corrugated Beam Guide Railing ^(34 71 13 26-0003)

34 71 13 26-0005 Corrugated Beam Guide Railing, Straight Sections ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.		
34 71 13 26-0006 LF Corrugated Beam Guide Railing.....	18.82	2.21
34 71 13 26-0007 LF Corrugated Beam Guide Railing (Rustic).....	20.31	2.21

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.

34	Transportation
34 70	Transportation Construction and Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing	24.69	2.21
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic)	26.76	2.21
34 71 13 26-0011 LF Shop Curved Corrugated Beam Guide Railing End	63.87	2.21
Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End	69.72	2.21
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0003)		
34 71 13 26-0014 EA Corrugated Beam Guide Railing End Section At Anchor Unit	140.21	29.20
34 71 13 26-0015 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	148.21	29.20
34 71 13 26-0016 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section	188.20	29.20
34 71 13 26-0017 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	196.20	29.20
34 71 13 26-0018 EA Corrugated Beam Guide Railing 225 Degree End Section	188.20	29.20
34 71 13 26-0019 EA Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	196.20	29.20
34 71 13 26-0020 Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
Note: Includes mounting hardware.		
34 71 13 26-0021 EA Standard Post For Corrugated Beam Guide Rail	149.09	15.84
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	4.22	
34 71 13 26-0022 EA Standard Post For (Rustic) Corrugated Beam Guide Rail	157.08	15.84
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	4.22	
34 71 13 26-0023 EA Extra Long Post For Corrugated Beam Guide Rail	165.08	15.84
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	4.22	
34 71 13 26-0024 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail	173.08	15.84
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	4.22	
34 71 13 26-0025 EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	149.09	15.84
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	4.22	
34 71 13 26-0026 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	213.07	15.84
For Installation In Rock, Add	4.22	
34 71 13 26-0027 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0028 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	149.09	15.84
34 71 13 26-0029 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	157.08	15.84
34 71 13 26-0030 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	165.08	15.84
34 71 13 26-0031 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	173.08	15.84
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0032 EA Type A Post 1630mm Post	145.09	15.84
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033 EA Type A Post 1630mm Post (Rustic)	153.09	15.84
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0034 EA Type B Post 1460mm	137.09	15.84
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0035 EA Type B Post 1460mm (Rustic)	145.09	15.84
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0036 EA Type C Post 1290mm	129.09	15.84
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0037 EA Type C Post 1290mm (Rustic)	137.09	15.84
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0038 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	550.26	15.84
34 71 13 26-0039 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam	61.11	15.84
Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0040 Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0041 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	124.22	33.18
34 71 13 26-0042 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)		
Note: Includes associated hardware.		
34 71 13 26-0043 LF Removal And Storage Of Corrugated Beam Guide Railing And Post	12.97	
34 71 13 26-0044 EA Install Stored Post For Corrugated Beam Guide Rail	44.24	
34 71 13 26-0045 LF Install Stored Corrugated Beam Guide Railing And Post	7.52	
34 71 13 26-0046 Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0047 Corrugated Thrie Beam Guide Railing, Straight Sections (34 71 13 26-0046)		
Note: Add additional length for back-up sections.		
34 71 13 26-0048 LF Corrugated Thrie Beam Guide Railing	44.54	2.78
34 71 13 26-0049 LF Corrugated Thrie Beam Guide Railing (Rustic)	46.98	2.78
34 71 13 26-0050 Corrugated Thrie Beam Guide Railing, Shop Curved (34 71 13 26-0046)		
Note: Add additional length for back-up sections.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0051 LF Shop Curved Corrugated Thrie Beam Guide Railing	54.29	2.78
34 71 13 26-0052 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	56.73	2.78
34 71 13 26-0053 Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0046)		
Note: Includes hardware for mounting.		
34 71 13 26-0054 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	179.66	2.78
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0055 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	187.66	2.78
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0056 Timber Guide Rails (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0057 Timber Guide Rail Posts (34 71 13 26-0056)		
34 71 13 26-0058 EA 6" x 8" Timber Guide Rail Post	112.58	11.06
34 71 13 26-0059 EA 6" x 9" Timber Guide Rail Post	128.95	11.06
34 71 13 26-0060 EA 10" x 10" Timber Guide Rail Post	257.23	11.06
34 71 13 26-0061 EA 10" x 12" Timber Guide Rail Post	272.53	11.06
34 71 13 26-0062 EA 12" x 12" Timber Guide Rail Post	316.14	11.06
34 71 13 26-0063 Timber Guide Rails (34 71 13 26-0056)		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064 LF 4" x 9" Timber Guide Rail.....	14.00	1.33
34 71 13 26-0065 LF 6" x 10" Timber Guide Rail.....	19.89	1.33
34 71 13 26-0066 LF 6" x 12" Timber Guide Rail.....	23.34	1.33
34 71 13 26-0067 Spacer Blocks For Timber Guide Rails (34 71 13 26-0056)		
34 71 13 26-0068 EA 4" x 9" Spacer Block For Timber Guide Rails	18.20	1.77
34 71 13 26-0069 EA 6" x 8" Spacer Block For Timber Guide Rails	21.03	1.77
34 71 13 26-0070 EA 8" x 8" Spacer Block For Timber Guide Rails	24.63	1.77
34 71 13 26-0071 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0056)		
34 71 13 26-0072 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	25.81	1.11
34 71 13 26-0073 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0056)		
34 71 13 26-0074 EA Weathering Steel Splice Plate For Timber Guide Rails	176.79	15.48
34 71 13 26-0075 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	110.41	11.06
34 71 13 26-0076 Cable Guide Rail (34 71 13 26)		
34 71 13 26-0077 Cable Guide Rail (34 71 13 26-0076)		
34 71 13 26-0078 LF Cable (Each Cable)	10.00	2.39
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0079 EA Cable Splice With Wedges	262.06	16.59
34 71 13 26-0080 Cable Guide Rail Posts (34 71 13 26-0076)		
Note: Includes hardware for cable mounting.		
34 71 13 26-0081 EA Standard Post for Cable Guide Rail	190.37	52.79
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.08	
34 71 13 26-0082 EA Standard Post (Rustic) for Cable Guide Rail	198.37	52.79
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.08	
34 71 13 26-0083 EA Extra Long Post for Cable Guide Rail	198.37	52.79
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.08	
34 71 13 26-0084 EA Extra Long Post (Rustic) for Cable Guide Rail.....	206.36	52.79
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.08	
34 71 13 26-0085 EA Slip Impact Post Top for Anchor Unit.....	124.13	21.12
34 71 13 26-0086 EA Slip Impact Post Base and Keeper Plate	324.08	21.12
Note: For anchor unit.		
34 71 13 26-0087 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0076)		
34 71 13 26-0088 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	567.43	221.63
34 71 13 26-0089 EA Turnbuckle Cable End Assembly.....	174.73	11.08
34 71 13 26-0090 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	567.19	5.50
34 71 13 26-0091 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	583.19	5.50
34 71 13 26-0092 EA Breakaway Anchor Angle	222.72	11.08
34 71 13 26-0093 EA Standard End Post Cap Assembly.....	103.31	5.50

34	Transportation
34 70	Transportation Construction and Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0094 EA Driveway End Post Cap Assembly	87.32	5.50
34 71 13 26-0095 EA End Post Ground Support Plates	47.33	5.50
34 71 13 26-0096 EA 11" Stud Bolt, Cable Guide Rail	41.33	5.50
34 71 13 26-0097 EA 18" Stud Bolt, Cable Guide Rail	49.33	5.50
34 71 13 26-0098 EA 25" Stud Bolt, Cable Guide Rail	57.33	5.50
34 71 13 26-0099 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail	494.64	11.08
34 71 13 26-0100 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail	526.64	11.08
34 71 13 26-0101 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	350.68	11.08
34 71 13 26-0102 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail	215.29	5.50
34 71 13 26-0103 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	222.72	11.08
34 71 13 26-0104 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	238.06	16.59
34 71 13 26-0105 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0076)		
34 71 13 26-0106 EA Turnbuckle Cable End Assembly	399.41	17.63
Note: For use with slip impact post.		
34 71 13 26-0107 EA Spring Cable End Assembly (Compensating Device)	783.31	17.63
Note: For use with slip impact post.		
34 71 13 26-0108 EA Anchor Angle For Slip Impact Post System	231.46	17.63
34 71 13 26-0109 EA Cable End Assembly Rod	191.47	17.63
Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0110 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0076)		
Note: Includes associated hardware.		
34 71 13 26-0111 LF Retention Existing Cable (Each Cable)	1.48	
34 71 13 26-0112 LF Removal And Storage Of Cable Guide Railing	8.91	
34 71 13 26-0113 EA Install Stored Post For Cable Guide Railing	70.40	
34 71 13 26-0114 LF Install Stored Cable, (Each Cable)	3.94	
Note: Includes retensioning. Excludes splices.		
34 71 13 26-0115 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0116 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0115)		
34 71 13 26-0117 Straight Sections, Box Beam Guide Rail (34 71 13 26-0116)		
34 71 13 26-0118 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	53.68	2.78
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0119 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	61.00	2.78
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0120 Shop Curved, Box Beam Guide Rail (34 71 13 26-0116)		
34 71 13 26-0121 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	81.72	2.78
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0122 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	89.03	2.78
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0123 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0115)		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124 EA Box Beam End Piece Guide Railing Section	844.03	33.18
Note: Galvanized excludes splices.		
34 71 13 26-0125 EA Box Beam End Piece Guide Railing Section (Rustic)	932.01	33.18
Note: Excludes splices.		
34 71 13 26-0126 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	796.04	33.18
Note: Excludes splices.		
34 71 13 26-0127 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)	828.03	33.18
Note: Excludes splices.		
34 71 13 26-0128 Splices For Box Beam Guide Rail (34 71 13 26-0115)		
34 71 13 26-0129 EA Splice For Box Beam Guide Rail	218.47	49.25
34 71 13 26-0130 EA Splice For Box Beam Guide Rail (Rustic)	274.45	49.25
34 71 13 26-0131 Box Beam Guide Rail Posts (34 71 13 26-0115)		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0132 EA Standard Post For Box Beam Guide Rail	198.37	52.79
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.08	
34 71 13 26-0133 EA Standard Post (Rustic) For Box Beam Guide Railing	206.36	52.79
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0134 EA Extra Long Post For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	214.36 -5.00 14.08	52.79
34 71 13 26-0135 EA Extra Long Post (Rustic) For Box Beam Guide Rail <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	222.36 -5.00 14.08	52.79
34 71 13 26-0136 EA Type I End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	190.37 -5.00 14.08	52.79
34 71 13 26-0137 EA Type I End Assembly Post (Rustic) <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	198.37 -5.00 14.08	52.79
34 71 13 26-0138 EA Type II End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	182.37 -5.00 14.08	52.79
34 71 13 26-0139 EA Type II End Assembly Post (Rustic) <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	190.37 -5.00 14.08	52.79
34 71 13 26-0140 Box Beam Guide Rail Accessories (34 71 13 26-0115)		
34 71 13 26-0141 EA Box Beam Guide Rail End Cover Plate	109.24	9.95
34 71 13 26-0142 EA Box Beam Guide Rail End Cover Plate (Rustic).....	117.24	9.95
34 71 13 26-0143 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0115)		
<i>Note: For existing guide rail.</i>		
34 71 13 26-0144 LF Removal And Storage Of Box Beam Guide Rail And Post	4.37	
34 71 13 26-0145 LF Reset Box Beam Guide Rail	12.76	
34 71 13 26-0146 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0147 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0146)		
34 71 13 26-0148 Straight Sections, Box Beam Median Barrier (34 71 13 26-0147)		
34 71 13 26-0149 LF Box Beam Median Barrier Galvanized Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	90.06 1.83	9.95
34 71 13 26-0150 LF Box Beam Median Barrier (Rustic) Excludes Splices <i>For Flush Mounting Directly To Structure, Add</i>	97.37 1.83	9.95
34 71 13 26-0151 Shop Curved, Box Beam Median Barrier (34 71 13 26-0147)		
34 71 13 26-0152 LF Shop Curved Box Beam Median Barrier Galvanized..... <i>Note: Excludes splices.</i> <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	109.28 2.44 1.83	9.95
34 71 13 26-0153 LF Shop Curved Box Beam Median Barrier Rustic..... <i>Note: Excludes splices.</i> <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	133.28 2.44 1.83	9.95
34 71 13 26-0154 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0146)		
<i>Note: Includes rail, end cover plate and hardware. Excludes posts.</i>		
34 71 13 26-0155 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized..... <i>Note: Excludes splices and post.</i>	2,755.53	33.18
34 71 13 26-0156 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... <i>Note: Excludes splices and post.</i>	2,819.51	33.18
34 71 13 26-0157 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized..... <i>Note: Excludes splices and post.</i>	2,755.53	33.18
34 71 13 26-0158 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... <i>Note: Excludes splices and post.</i>	2,819.51	33.18
34 71 13 26-0159 Splices For Box Beam Median Barrier (34 71 13 26-0146)		
34 71 13 26-0160 EA Splice for Box Beam Median Barrier.....	211.34	26.54
34 71 13 26-0161 EA Splice for Box Beam Median Barrier (Rustic)	331.31	26.54
34 71 13 26-0162 Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0146)		
<i>Note: Includes all associated hardware.</i>		
34 71 13 26-0163 EA Standard Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	198.37 -5.00 14.08	52.79
34 71 13 26-0164 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	206.36 -5.00 14.08	52.79
34 71 13 26-0165 EA Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	214.36 -5.00 14.08	52.79

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0166 EA Extra Long Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	222.36 -5.00 14.08	52.79
34 71 13 26-0167 EA Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	182.37 -5.00 14.08	52.79
34 71 13 26-0168 EA Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	182.37 -5.00 14.08	52.79
34 71 13 26-0169 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	214.36 -5.00 14.08	52.79
34 71 13 26-0170 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	222.36 -5.00 14.08	52.79
34 71 13 26-0171 Box Beam Median Barrier Accessories (34 71 13 26-0146)		
34 71 13 26-0172 EA Box Beam Median Barrier End Cover Plate	135.36	23.35
34 71 13 26-0173 EA Box Beam Median Barrier End Cover Plate (Rustic).....	143.36	23.35
34 71 13 26-0174 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0146)		
Note: For existing guide rail.		
34 71 13 26-0175 LF Removal And Storage Of Box Beam Median Barrier and Posts	4.52	
34 71 13 26-0176 LF Reset Box Beam Median Barrier	13.36	
34 71 13 26-0177 Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0178 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0177)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0179 CY Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	778.93 38.00	
34 71 13 26-0180 EA Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	507.35	
34 71 13 26-0181 EA Removal Of Guide Rail Concrete Anchor Unit.....	578.74	
34 71 13 26-0182 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0177)		
Note: Includes associated hardware.		
34 71 13 26-0183 EA Straighten And Reset Driven Post For Guide Rail	70.40	
34 71 13 26-0184 EA Straighten And Reset Post Mounted On Concrete For Guide Rail	81.92	
Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0185 Additional Wood and Steel Posts (34 71 13 26-0177)		
34 71 13 26-0186 LF 4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	61.50 4.70	17.64
34 71 13 26-0187 LF 6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	73.49 4.70	17.64
34 71 13 26-0188 LF 6" x 7/8" Galvanized Steel Post..... <i>For Installation In Rock, Add</i>	46.17 4.70	17.64
34 71 13 26-0189 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	427.61	17.63
34 71 13 26-0190 Accessories For All Types of Guide Rail (34 71 13 26-0177)		
34 71 13 26-0191 EA Reflector For Guard Rail.....	51.70	
34 71 13 26-0192 Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0193 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0192)		
34 71 13 26-0194 EA Box Beam To Corrugated Beam Rail Bolted Section.....	775.37	
34 71 13 26-0195 EA Box Beam To Corrugated Beam Rail Bolted Plate	455.46	
Note: For making cable connections.		
34 71 13 26-0196 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0192)		
34 71 13 26-0197 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	791.37	
34 71 13 26-0198 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	455.46	
Note: For making cable connections.		
34 71 13 26-0199 Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0192)		
34 71 13 26-0200 EA Box Beam to Cable Guide Rail U-bolt And Plate	109.53	17.69



Transportation	34	34
Transportation Construction and Equipment	34 70	
Roadway Construction	34 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0201 Transition Box Beam Median Barrier To Concrete Median Barrier <small>(34 71 13 26-0192)</small>		
34 71 13 26-0202 EA Box Beam Median Barrier To Concrete Barrier End Connection	1,095.29	
34 71 13 26-0203 Transition Thrie Beam To Concrete Median Barrier <small>(34 71 13 26-0192)</small>		
34 71 13 26-0204 EA Thrie Beam Terminal Connector At Concrete Median Barrier	695.40	
34 71 13 26-0205 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	895.34	
34 71 13 26-0206 Resilient Guard Fence And Light Shield <small>(34 71 13 26)</small>		
34 71 13 26-0207 LF Resilient Guard Fence And Light Shield, Up To 6' High	90.08	6.76
34 71 13 26-0208 Individual Concrete Guard Rail Posts <small>(34 71 13 26)</small>		
34 71 13 26-0209 EA 6'-5" Concrete Guard Rail Posts, Round	112.17	6.76
34 71 13 26-0210 EA 6'-5" Concrete Posts, Square.....	125.24	7.61
34 71 13 26-0211 EA 6'-5" Concrete Posts, Triangular.....	121.55	7.61
34 71 16 Impact Attenuating Devices <small>(34 71)</small>		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals <small>(34 71 16)</small>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	35,653.28	3,495.73
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	49,555.83	4,660.97
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	67,682.60	6,117.52
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	75,070.07	7,574.08
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	38,356.85	3,932.69
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	53,479.92	5,243.59
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	73,440.88	6,991.46
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	84,016.23	8,448.00
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	41,092.60	4,369.66
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	57,435.46	5,826.21
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	78,586.00	7,719.73
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	92,929.27	9,321.93
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	44,482.22	4,806.62
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	61,645.91	6,408.83
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	84,749.19	8,448.00
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	99,737.73	10,195.86
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	47,966.76	5,243.59
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	65,967.83	6,991.46
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	91,718.28	9,321.93
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	106,741.80	11,069.79
34 71 19 Vehicle Delineators <small>(34 71)</small>		
34 71 19 16 Flexible Vehicle Delineators <small>(34 71 19)</small>		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	92.42	8.45
34 71 19 16-0002 EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	93.76	8.45
34 71 19 16-0003 EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	95.11	8.45
34 71 19 16-0004 EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	96.45	8.45

END OF SECTION 34

34 Transportation

34 70 Transportation Construction and Equipment

34 71 Roadway Construction



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

35 Waterway and Marine Construction

35 01 Operation and Maintenance of Waterway and Marine Construction ⁽³⁵⁾

35 01 70 Operation and Maintenance of Dams ^(35 01)

35 01 70 00-0001	Drilling And Pressure Grouting ^(35 01 70)		
35 01 70 00-0002	From Top Of The Dam ^(35 01 70 00-0001)		
35 01 70 00-0003	LF Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole.....	114.77	
35 01 70 00-0004	LF Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole	132.64	
35 01 70 00-0005	LF Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam.....	139.94	
35 01 70 00-0006	EA Pressure Grout, Hydraulic Pressure Test Top Of Dam.....	867.83	
35 01 70 00-0007	EA Pressure Grout, Grout Hook-Up Top Of Dam.....	466.02	
35 01 70 00-0008	CWT Pressure Grout, Portland Cement Top Of Dam	70.16	
35 01 70 00-0009	CWT Pressure Grout, Fluidifier In Grout Top Of Dam.....	207.21	
35 01 70 00-0010	CF Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam	193.00	
35 01 70 00-0011	Large Diameter Holes - Rotary Drilled ^(35 01 70 00-0001)		
35 01 70 00-0012	From Top Of The Dam ^(35 01 70 00-0011)		
35 01 70 00-0013	LF Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical.....	170.80	
35 01 70 00-0014	LF Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined	185.63	
35 01 70 00-0015	LF Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical.....	267.85	
35 01 70 00-0016	LF Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined	296.00	

35 05 Common Work Results for Waterway and Marine Construction ⁽³⁵⁾

35 05 70 Common Work Results for Dams ^(35 05)

35 05 70 00-0001	Rubber Dam Repair ^(35 05 70)		
35 05 70 00-0002	EA Class A Rubber Dam Repair (Bullet And Similar Holes).....	37.53	
35 05 70 00-0003	SF Class B Rubber Dam Repair (Minor Surface Rubber Damage).....	75.33	
35 05 70 00-0004	SF Class C Rubber Dam Repair (Major Surface Rubber Damage).....	109.86	
35 05 70 00-0005	SF Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material	123.05	

35 20 Waterway and Marine Construction and Equipment ⁽³⁵⁾

35 22 Hydraulic Gates ^(35 20)

35 22 26 Sluice Gates ^(35 22)

35 22 26 00-0001	Heavy Duty Cast Iron Sluice Gates Self Contained ^(35 22 26)		
Note: Includes crank operated geared gate lift, anchor bolts, and grouting.			
35 22 26 00-0002	EA 18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	10,425.10	1,262.20
	For Electric Motor Operated Valve, Add	1,102.45	
35 22 26 00-0003	EA 24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	14,939.21	1,893.38
	For Electric Motor Operated Valve, Add	1,228.68	
35 22 26 00-0004	EA 30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	18,082.28	2,163.86
	For Electric Motor Operated Valve, Add	1,282.77	
35 22 26 00-0005	EA 36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	20,612.61	2,366.72
	For Electric Motor Operated Valve, Add	1,323.34	
35 22 26 00-0006	EA 42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	23,137.26	2,704.82
	For Electric Motor Operated Valve, Add	1,390.96	
35 22 26 00-0007	EA 48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	32,454.68	4,327.71
	For Electric Motor Operated Valve, Add	1,715.54	
35 22 26 00-0008	EA 54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	43,214.33	5,409.64
	For Electric Motor Operated Valve, Add	1,931.93	
35 22 26 00-0009	EA 60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	50,479.49	7,167.77
	For Electric Motor Operated Valve, Add	2,283.56	
35 22 26 00-0010	EA 66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	62,887.32	9,466.87
	For Electric Motor Operated Valve, Add	2,743.37	
35 22 26 00-0011	EA 72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	66,102.17	10,819.28
	For Electric Motor Operated Valve, Add	3,013.86	
35 22 26 00-0012	EA 78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	74,038.50	10,819.28
	For Electric Motor Operated Valve, Add	3,413.86	
35 22 26 00-0013	EA 84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	85,842.66	12,171.69
	For Electric Motor Operated Valve, Add	3,684.34	
35 22 26 00-0014	EA 90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	103,174.62	13,991.25
	For Electric Motor Operated Valve, Add	4,048.25	
35 22 26 00-0015	EA 96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	116,228.07	14,657.50
	For Electric Motor Operated Valve, Add	4,181.50	

35	Waterway and Marine Construction
35 20	Waterway and Marine Construction and Equipment
35 22	Hydraulic Gates



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0016 EA 108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	143,979.91 4,714.50	17,322.50
35 22 26 00-0017 EA 120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	177,872.77 5,514.00	21,320.00
35 22 26 00-0018 EA 132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	216,897.27 6,047.00	23,984.99
35 22 59 Hydraulic Closure Gates (35 22)		
35 22 59 00-0001 Steel Slide Gates Self Contained (35 22 59) Note: Includes anchors and bolts.		
35 22 59 00-0002 EA 12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	3,587.49 944.67	473.34
35 22 59 00-0003 EA 18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	4,777.15 958.19	540.97
35 22 59 00-0004 EA 24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	5,451.43 976.23	631.17
35 22 59 00-0005 EA 30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	6,587.30 1,001.47	757.35
35 22 59 00-0006 EA 36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	8,428.88 1,039.34	946.69
35 22 59 00-0007 EA 42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	9,886.43 1,102.45	1,262.20
35 22 59 00-0008 EA 48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	13,561.51 1,228.68	1,893.38
35 22 59 00-0009 EA 54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	20,563.98 1,323.34	2,366.72
35 22 59 00-0010 EA 60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	26,857.02 1,607.35	3,786.75
35 22 59 00-0011 EA 72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	34,295.09 2,112.25	6,311.29
35 22 59 00-0012 SF Over 36 SF Steel Slide Gates Self Contained Including Anchor <i>For Electric Motor Operated Valve, Add</i>	951.14 1,584.89	174.46
35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only (35 22 59)		
35 22 59 00-0014 EA 24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	18,935.66	618.05
35 22 59 00-0015 EA 30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	23,412.91	772.22
35 22 59 00-0016 EA 36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	29,858.61	941.28
35 22 59 00-0017 EA 48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	45,576.63	1,802.76
35 22 59 00-0018 EA 60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	67,155.17	3,934.16
35 22 59 00-0019 EA 72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	88,232.38	6,010.11
35 22 59 00-0020 EA 84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	133,287.48	7,513.99
35 22 59 00-0021 Day Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	3,547.30	
35 22 59 00-0022 Aluminum Flap Gates (35 22 59)		
35 22 59 00-0023 EA 18" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	3,478.86 944.67	473.34
35 22 59 00-0024 EA 20" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	3,870.27 951.42	507.15
35 22 59 00-0025 EA 24" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	4,258.27 958.19	540.97
35 22 59 00-0026 EA 30" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	5,764.43 976.23	631.17
35 22 59 00-0027 EA 36" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	7,144.06 1,001.47	757.35
35 22 59 00-0028 EA 42" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	10,101.58 1,039.34	946.69
35 22 59 00-0029 EA 48" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	12,786.80 1,102.45	1,262.20
35 22 59 00-0030 EA 54" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	16,564.99 1,228.68	1,893.38
35 22 59 00-0031 EA 60" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	21,914.53 1,390.96	2,704.82
35 22 59 00-0032 EA 66" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	28,363.69 1,607.35	3,786.75
35 22 59 00-0033 EA 72" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	35,430.08 1,931.93	5,409.64
35 22 59 00-0034 Stainless Steel Flap Gates (35 22 59)		
35 22 59 00-0035 EA 12" x 12" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	7,650.27 931.15	405.72
35 22 59 00-0036 EA 18" x 18" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	9,801.87 944.67	473.34
35 22 59 00-0037 EA 24" x 24" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	12,634.93 958.19	540.97
35 22 59 00-0038 EA 30" x 30" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	16,450.29 976.23	631.58
35 22 59 00-0039 EA 36" x 36" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	24,419.05 1,001.47	757.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0040 EA 48" x 48" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	35,766.45 1,102.45	1,261.80
35 22 59 00-0041 EA 60" x 60" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	54,782.46 1,390.96	2,704.82
35 22 59 00-0042 EA 72" x 72" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	79,394.19 1,931.93	5,409.64
35 22 59 00-0043 EA 84" x 84" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	114,088.67 3,013.86	10,819.28
35 22 59 00-0044 Cast Iron Flap Gates (35 22 59)		
35 22 59 00-0045 EA 12" x 12" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	13,574.54 951.43	507.15
35 22 59 00-0046 EA 18" x 18" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	19,078.56 968.34	592.35
35 22 59 00-0047 EA 24" x 24" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	24,363.19 985.24	676.21
35 22 59 00-0048 EA 30" x 30" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	34,175.63 1,007.78	788.46
35 22 59 00-0049 EA 36" x 36" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	38,589.26 1,039.34	946.69
35 22 59 00-0050 EA 48" x 48" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	47,940.29 1,165.56	1,578.26
35 22 59 00-0051 EA 60" x 60" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	82,063.53 1,445.06	2,975.30
35 22 59 00-0052 EA 72" x 72" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	130,651.98 2,013.07	5,815.37
35 22 59 00-0053 EA 84" x 84" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	151,543.49 3,122.05	11,360.25
35 22 59 00-0054 Steel Knife Gates Including Handwheel Operator (35 22 59)		
Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 59 00-0055 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	1,899.56 891.77	208.87
35 22 59 00-0056 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	2,534.62 898.74	243.63
35 22 59 00-0057 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	3,573.80 923.10	365.51
35 22 59 00-0058 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	4,480.41 947.47	487.40
35 22 59 00-0059 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	5,450.83 954.43	522.16
35 22 59 00-0060 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	6,997.40 962.47	562.29
35 22 59 00-0061 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	9,218.34 966.96	584.82
35 22 59 00-0062 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	11,491.40 982.91	664.63
35 22 59 00-0063 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	14,669.88 996.21	731.02
35 22 59 00-0064 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	26,516.67 1,044.94	974.65
35 22 59 00-0065 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	35,364.59 1,142.41	1,462.05
35 22 59 00-0066 Steel Hollow Jet Flow Gate Valve (35 22 59)		
35 22 59 00-0067 EA 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	1,707.50 887.87	189.34
35 22 59 00-0068 EA 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	2,629.15 894.23	221.12
35 22 59 00-0069 EA 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	3,170.49 916.27	331.34
35 22 59 00-0070 EA 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	4,045.93 938.33	441.56
35 22 59 00-0071 EA 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	6,051.09 944.67	473.34
35 22 59 00-0072 EA 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	7,286.20 951.97	509.86
35 22 59 00-0073 EA 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	12,181.19 956.04	530.14
35 22 59 00-0074 EA 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	15,307.13 970.51	602.50
35 22 59 00-0075 EA 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	21,973.59 982.55	662.68
35 22 59 00-0076 EA 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	26,931.60 1,026.75	883.80
35 22 59 00-0077 EA 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	38,444.87 1,115.03	1,325.36
35 22 59 00-0078 EA 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	45,827.36 1,574.65	1,622.90
35 22 59 00-0079 EA 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	54,336.25 1,628.68	1,893.38

35	Waterway and Marine Construction
35 20	Waterway and Marine Construction and Equipment
35 22	Hydraulic Gates



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0080 EA 54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	71,532.71 1,723.34	2,366.72
35 22 59 00-0081 EA 60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	79,708.75 1,818.24	2,840.06
35 22 59 00-0082 EA 66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	101,779.15 2,034.98	3,921.99
35 22 59 00-0083 Steel Dish Head Valve <small>(35 22 59)</small>		
35 22 59 00-0084 EA 12" Diameter Dish Head Valve	2,213.15	473.34
35 22 59 00-0085 EA 18" Diameter Dish Head Valve	3,166.22	540.97
35 22 59 00-0086 EA 20" Diameter Dish Head Valve	3,640.37	591.68
35 22 59 00-0087 EA 24" Diameter Dish Head Valve	4,276.53	631.17
35 22 59 00-0088 EA 30" Diameter Dish Head Valve	6,379.59	757.35
35 22 59 00-0089 EA 36" Diameter Dish Head Valve	7,865.85	946.69
35 22 59 00-0090 EA 42" Diameter Dish Head Valve	13,123.53	1,262.20
35 22 59 00-0091 EA 48" Diameter Dish Head Valve	17,227.15	1,893.38
35 22 59 00-0092 EA 54" Diameter Dish Head Valve	24,412.69	2,366.72
35 22 59 00-0093 EA 60" Diameter Dish Head Valve	31,556.84	3,786.75
35 22 59 00-0094 EA 66" Diameter Dish Head Valve	43,581.93	4,733.44
35 22 59 00-0095 EA 72" Diameter Dish Head Valve	53,205.39	6,311.29
35 22 63 Through-Levee Access Gates <small>(35 22)</small>		
35 22 63 00-0001 Cast Iron Canal Gates <small>(35 22 63)</small>		
35 22 63 00-0002 EA 12" Diameter Cast Iron Canal Gates With Fabricated Frame	2,536.54	473.34
<i>For Electric Motor Operated Valve, Add</i>	944.67	
35 22 63 00-0003 EA 18" Diameter Cast Iron Canal Gates With Fabricated Frame	3,698.44	540.97
<i>For Electric Motor Operated Valve, Add</i>	958.19	
35 22 63 00-0004 EA 20" Diameter Cast Iron Canal Gates With Fabricated Frame	4,229.29	591.68
<i>For Electric Motor Operated Valve, Add</i>	968.34	
35 22 63 00-0005 EA 24" Diameter Cast Iron Canal Gates With Fabricated Frame	5,046.21	631.17
<i>For Electric Motor Operated Valve, Add</i>	976.23	
35 22 63 00-0006 EA 30" Diameter Cast Iron Canal Gates With Fabricated Frame	7,621.83	757.35
<i>For Electric Motor Operated Valve, Add</i>	1,001.47	
35 22 63 00-0007 EA 36" Diameter Cast Iron Canal Gates With Fabricated Frame	9,390.90	946.69
<i>For Electric Motor Operated Valve, Add</i>	1,039.34	
35 22 63 00-0008 EA 42" Diameter Cast Iron Canal Gates With Fabricated Frame	15,829.96	1,262.20
<i>For Electric Motor Operated Valve, Add</i>	1,102.45	
35 22 63 00-0009 EA 48" Diameter Cast Iron Canal Gates With Fabricated Frame	20,659.11	1,893.38
<i>For Electric Motor Operated Valve, Add</i>	1,228.68	
35 22 63 00-0010 EA 54" Diameter Cast Iron Canal Gates With Fabricated Frame	29,437.72	2,366.72
<i>For Electric Motor Operated Valve, Add</i>	1,323.34	
35 22 63 00-0011 EA 60" Diameter Cast Iron Canal Gates With Fabricated Frame	37,680.92	3,786.75
<i>For Electric Motor Operated Valve, Add</i>	1,607.35	
35 22 63 00-0012 EA 66" Diameter Cast Iron Canal Gates With Fabricated Frame	52,293.10	4,733.44
<i>For Electric Motor Operated Valve, Add</i>	1,796.69	
35 22 63 00-0013 EA 72" Diameter Cast Iron Canal Gates With Fabricated Frame	61,764.90	5,409.64
<i>For Electric Motor Operated Valve, Add</i>	1,931.93	
35 24 Dredging <small>(35 20)</small>		
35 24 23 Clamshell Dredging <small>(35 24)</small>		
35 24 23 00-0001 Dredging, Barge Mounted <small>(35 24 23)</small>		
See CSI section 01 74 19 00-0039 for hauling material from shore or barge, 31 23 16 33-0019 for loading.		
35 24 23 00-0002 EA Dredge Excavation Mobilization And Demobilization	23,310.74	
<i>For Inlet Rivers And Canals, Deduct</i>	-5,827.69	
35 24 23 00-0003 CY Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles	25.90	
Note: Includes tugboat to move scows or barge.		
35 24 23 00-0004 CY Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore.....	23.31	
Note: Includes tugboat to move barge.		
35 24 23 00-0005 CY Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles.....	25.80	
Note: Includes tugboat to move scows or barge.		
35 24 23 00-0006 CY Hydraulic Dredge Excavation, Pumped 1,000' To Shore	21.64	
Note: Includes tugboat to move barge.		
35 24 26 Backhoe/Dipper Dredging <small>(35 24)</small>		
35 24 26 00-0001 Dredging, Shoreline Excavators <small>(35 24 26)</small>		
35 24 26 00-0002 CY Back Hoe, 1 CY Bucket, Dredging From Shore	15.22	
35 24 26 00-0003 CY Hydraulic Excavator, 2 CY Bucket, Dredging From Shore.....	10.26	

END OF SECTION 35



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	---------------------	------------------------	----------------------

40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19) <small>Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.</small>		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	940.54	281.61
	For Class 52 Rating, Deduct	-56.52	
	For Class 54 Rating, Add	82.20	
	For Class 55 Rating, Add	124.83	
	For Class 56 Rating, Add	166.95	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,002.98	286.53
	For Class 52 Rating, Deduct	-62.57	
	For Class 54 Rating, Add	90.54	
	For Class 55 Rating, Add	137.27	
	For Class 56 Rating, Add	183.44	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,065.42	291.46
	For Class 52 Rating, Deduct	-68.62	
	For Class 54 Rating, Add	98.87	
	For Class 55 Rating, Add	149.71	
	For Class 56 Rating, Add	199.92	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,127.85	296.38
	For Class 52 Rating, Deduct	-74.67	
	For Class 54 Rating, Add	107.21	
	For Class 55 Rating, Add	162.15	
	For Class 56 Rating, Add	216.41	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.30	301.30
	For Class 52 Rating, Deduct	-80.72	
	For Class 54 Rating, Add	115.55	
	For Class 55 Rating, Add	174.59	
	For Class 56 Rating, Add	232.90	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.74	306.23
	For Class 52 Rating, Deduct	-86.76	
	For Class 54 Rating, Add	123.88	
	For Class 55 Rating, Add	187.03	
	For Class 56 Rating, Add	249.39	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,315.17	311.14
	For Class 52 Rating, Deduct	-92.81	
	For Class 54 Rating, Add	132.22	
	For Class 55 Rating, Add	199.47	
	For Class 56 Rating, Add	265.87	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,377.62	316.07
	For Class 52 Rating, Deduct	-98.86	
	For Class 54 Rating, Add	140.55	
	For Class 55 Rating, Add	211.91	
	For Class 56 Rating, Add	282.36	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,440.05	321.00
	For Class 52 Rating, Deduct	-104.91	
	For Class 54 Rating, Add	148.89	
	For Class 55 Rating, Add	224.35	
	For Class 56 Rating, Add	298.85	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,502.50	325.92
	For Class 52 Rating, Deduct	-110.95	
	For Class 54 Rating, Add	157.23	
	For Class 55 Rating, Add	236.79	
	For Class 56 Rating, Add	315.34	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,564.93	330.84
	For Class 52 Rating, Deduct	-117.00	
	For Class 54 Rating, Add	165.56	
	For Class 55 Rating, Add	249.23	
	For Class 56 Rating, Add	331.83	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,627.37	335.76
	For Class 52 Rating, Deduct	-123.05	
	For Class 54 Rating, Add	173.90	
	For Class 55 Rating, Add	261.67	
	For Class 56 Rating, Add	348.31	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.83	340.69
	For Class 52 Rating, Deduct	-129.10	
	For Class 54 Rating, Add	182.24	
	For Class 55 Rating, Add	274.11	
	For Class 56 Rating, Add	364.80	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.26	345.61
		<i>For Class 52 Rating, Deduct</i>	-135.15	
		<i>For Class 54 Rating, Add</i>	190.58	
		<i>For Class 55 Rating, Add</i>	286.55	
		<i>For Class 56 Rating, Add</i>	381.29	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,814.70	350.53
		<i>For Class 52 Rating, Deduct</i>	-141.19	
		<i>For Class 54 Rating, Add</i>	198.91	
		<i>For Class 55 Rating, Add</i>	298.99	
		<i>For Class 56 Rating, Add</i>	397.78	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,877.14	355.46
		<i>For Class 52 Rating, Deduct</i>	-147.24	
		<i>For Class 54 Rating, Add</i>	207.25	
		<i>For Class 55 Rating, Add</i>	311.43	
		<i>For Class 56 Rating, Add</i>	414.27	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.58	360.38
		<i>For Class 52 Rating, Deduct</i>	-153.29	
		<i>For Class 54 Rating, Add</i>	215.58	
		<i>For Class 55 Rating, Add</i>	323.87	
		<i>For Class 56 Rating, Add</i>	430.75	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,002.02	365.30
		<i>For Class 52 Rating, Deduct</i>	-159.34	
		<i>For Class 54 Rating, Add</i>	223.92	
		<i>For Class 55 Rating, Add</i>	336.31	
		<i>For Class 56 Rating, Add</i>	447.24	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,064.46	370.22
		<i>For Class 52 Rating, Deduct</i>	-165.39	
		<i>For Class 54 Rating, Add</i>	232.26	
		<i>For Class 55 Rating, Add</i>	348.75	
		<i>For Class 56 Rating, Add</i>	463.73	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,126.90	375.15
		<i>For Class 52 Rating, Deduct</i>	-171.43	
		<i>For Class 54 Rating, Add</i>	240.59	
		<i>For Class 55 Rating, Add</i>	361.19	
		<i>For Class 56 Rating, Add</i>	480.22	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,189.34	380.08
		<i>For Class 52 Rating, Deduct</i>	-177.48	
		<i>For Class 54 Rating, Add</i>	248.93	
		<i>For Class 55 Rating, Add</i>	373.62	
		<i>For Class 56 Rating, Add</i>	496.70	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,251.78	384.99
		<i>For Class 52 Rating, Deduct</i>	-183.53	
		<i>For Class 54 Rating, Add</i>	257.27	
		<i>For Class 55 Rating, Add</i>	386.06	
		<i>For Class 56 Rating, Add</i>	513.19	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,314.21	389.92
		<i>For Class 52 Rating, Deduct</i>	-189.58	
		<i>For Class 54 Rating, Add</i>	265.60	
		<i>For Class 55 Rating, Add</i>	398.50	
		<i>For Class 56 Rating, Add</i>	529.68	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,376.66	394.84
		<i>For Class 52 Rating, Deduct</i>	-195.63	
		<i>For Class 54 Rating, Add</i>	273.94	
		<i>For Class 55 Rating, Add</i>	410.94	
		<i>For Class 56 Rating, Add</i>	546.17	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,439.09	399.77
		<i>For Class 52 Rating, Deduct</i>	-201.67	
		<i>For Class 54 Rating, Add</i>	282.28	
		<i>For Class 55 Rating, Add</i>	423.38	
		<i>For Class 56 Rating, Add</i>	562.66	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,501.54	404.69
		<i>For Class 52 Rating, Deduct</i>	-207.72	
		<i>For Class 54 Rating, Add</i>	290.61	
		<i>For Class 55 Rating, Add</i>	435.82	
		<i>For Class 56 Rating, Add</i>	579.14	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.97	409.61
		<i>For Class 52 Rating, Deduct</i>	-213.77	
		<i>For Class 54 Rating, Add</i>	298.95	
		<i>For Class 55 Rating, Add</i>	448.26	
		<i>For Class 56 Rating, Add</i>	595.63	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,626.41	414.54
		<i>For Class 52 Rating, Deduct</i>	-219.82	
		<i>For Class 54 Rating, Add</i>	307.29	
		<i>For Class 55 Rating, Add</i>	460.70	
		<i>For Class 56 Rating, Add</i>	612.12	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.87	419.45
		<i>For Class 52 Rating, Deduct</i>	-225.87	
		<i>For Class 54 Rating, Add</i>	315.62	
		<i>For Class 55 Rating, Add</i>	473.14	
		<i>For Class 56 Rating, Add</i>	628.61	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,751.30	424.38
		<i>For Class 52 Rating, Deduct</i>	-231.91	
		<i>For Class 54 Rating, Add</i>	323.96	
		<i>For Class 55 Rating, Add</i>	485.58	
		<i>For Class 56 Rating, Add</i>	645.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.74	429.31
<i>For Class 52 Rating, Deduct</i>	-237.96	
<i>For Class 54 Rating, Add</i>	332.30	
<i>For Class 55 Rating, Add</i>	498.02	
<i>For Class 56 Rating, Add</i>	661.58	
40 05 19 00-0035 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,876.18	434.23
<i>For Class 52 Rating, Deduct</i>	-244.01	
<i>For Class 54 Rating, Add</i>	340.63	
<i>For Class 55 Rating, Add</i>	510.46	
<i>For Class 56 Rating, Add</i>	678.07	
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,938.62	439.15
<i>For Class 52 Rating, Deduct</i>	-250.06	
<i>For Class 54 Rating, Add</i>	348.97	
<i>For Class 55 Rating, Add</i>	522.90	
<i>For Class 56 Rating, Add</i>	694.56	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,001.06	444.07
<i>For Class 52 Rating, Deduct</i>	-256.10	
<i>For Class 54 Rating, Add</i>	357.31	
<i>For Class 55 Rating, Add</i>	535.34	
<i>For Class 56 Rating, Add</i>	711.05	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,063.50	449.00
<i>For Class 52 Rating, Deduct</i>	-262.15	
<i>For Class 54 Rating, Add</i>	365.64	
<i>For Class 55 Rating, Add</i>	547.78	
<i>For Class 56 Rating, Add</i>	727.53	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,125.94	453.93
<i>For Class 52 Rating, Deduct</i>	-268.20	
<i>For Class 54 Rating, Add</i>	373.98	
<i>For Class 55 Rating, Add</i>	560.22	
<i>For Class 56 Rating, Add</i>	744.02	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,188.38	458.84
<i>For Class 52 Rating, Deduct</i>	-274.25	
<i>For Class 54 Rating, Add</i>	382.32	
<i>For Class 55 Rating, Add</i>	572.66	
<i>For Class 56 Rating, Add</i>	760.51	
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,250.82	463.77
<i>For Class 52 Rating, Deduct</i>	-280.30	
<i>For Class 54 Rating, Add</i>	390.65	
<i>For Class 55 Rating, Add</i>	585.10	
<i>For Class 56 Rating, Add</i>	777.00	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,313.26	468.69
<i>For Class 52 Rating, Deduct</i>	-286.34	
<i>For Class 54 Rating, Add</i>	398.99	
<i>For Class 55 Rating, Add</i>	597.54	
<i>For Class 56 Rating, Add</i>	793.49	
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.50	354.47
<i>For Class 52 Rating, Deduct</i>	-71.88	
<i>For Class 54 Rating, Add</i>	104.46	
<i>For Class 55 Rating, Add</i>	158.60	
<i>For Class 56 Rating, Add</i>	212.09	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,265.63	359.39
<i>For Class 52 Rating, Deduct</i>	-79.32	
<i>For Class 54 Rating, Add</i>	114.70	
<i>For Class 55 Rating, Add</i>	173.87	
<i>For Class 56 Rating, Add</i>	232.32	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.76	364.32
<i>For Class 52 Rating, Deduct</i>	-86.76	
<i>For Class 54 Rating, Add</i>	124.94	
<i>For Class 55 Rating, Add</i>	189.14	
<i>For Class 56 Rating, Add</i>	252.56	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.88	369.25
<i>For Class 52 Rating, Deduct</i>	-94.21	
<i>For Class 54 Rating, Add</i>	135.18	
<i>For Class 55 Rating, Add</i>	204.41	
<i>For Class 56 Rating, Add</i>	272.79	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,491.02	374.16
<i>For Class 52 Rating, Deduct</i>	-101.65	
<i>For Class 54 Rating, Add</i>	145.42	
<i>For Class 55 Rating, Add</i>	219.68	
<i>For Class 56 Rating, Add</i>	293.02	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,566.15	379.09
<i>For Class 52 Rating, Deduct</i>	-109.09	
<i>For Class 54 Rating, Add</i>	155.66	
<i>For Class 55 Rating, Add</i>	234.95	
<i>For Class 56 Rating, Add</i>	313.25	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.26	384.01
<i>For Class 52 Rating, Deduct</i>	-116.54	
<i>For Class 54 Rating, Add</i>	165.90	
<i>For Class 55 Rating, Add</i>	250.22	
<i>For Class 56 Rating, Add</i>	333.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,716.40	388.94
		<i>For Class 52 Rating, Deduct</i>	-123.98	
		<i>For Class 54 Rating, Add</i>	176.14	
		<i>For Class 55 Rating, Add</i>	265.49	
		<i>For Class 56 Rating, Add</i>	353.71	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.52	393.85
		<i>For Class 52 Rating, Deduct</i>	-131.42	
		<i>For Class 54 Rating, Add</i>	186.38	
		<i>For Class 55 Rating, Add</i>	280.76	
		<i>For Class 56 Rating, Add</i>	373.94	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,866.66	398.78
		<i>For Class 52 Rating, Deduct</i>	-138.87	
		<i>For Class 54 Rating, Add</i>	196.62	
		<i>For Class 55 Rating, Add</i>	296.03	
		<i>For Class 56 Rating, Add</i>	394.17	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,941.78	403.71
		<i>For Class 52 Rating, Deduct</i>	-146.31	
		<i>For Class 54 Rating, Add</i>	206.86	
		<i>For Class 55 Rating, Add</i>	311.29	
		<i>For Class 56 Rating, Add</i>	414.40	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,016.91	408.63
		<i>For Class 52 Rating, Deduct</i>	-153.76	
		<i>For Class 54 Rating, Add</i>	217.10	
		<i>For Class 55 Rating, Add</i>	326.56	
		<i>For Class 56 Rating, Add</i>	434.63	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.05	413.55
		<i>For Class 52 Rating, Deduct</i>	-161.20	
		<i>For Class 54 Rating, Add</i>	227.34	
		<i>For Class 55 Rating, Add</i>	341.83	
		<i>For Class 56 Rating, Add</i>	454.87	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,167.16	418.47
		<i>For Class 52 Rating, Deduct</i>	-168.64	
		<i>For Class 54 Rating, Add</i>	237.58	
		<i>For Class 55 Rating, Add</i>	357.10	
		<i>For Class 56 Rating, Add</i>	475.09	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,242.29	423.40
		<i>For Class 52 Rating, Deduct</i>	-176.09	
		<i>For Class 54 Rating, Add</i>	247.82	
		<i>For Class 55 Rating, Add</i>	372.37	
		<i>For Class 56 Rating, Add</i>	495.32	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,317.42	428.32
		<i>For Class 52 Rating, Deduct</i>	-183.53	
		<i>For Class 54 Rating, Add</i>	258.06	
		<i>For Class 55 Rating, Add</i>	387.64	
		<i>For Class 56 Rating, Add</i>	515.56	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,392.55	433.24
		<i>For Class 52 Rating, Deduct</i>	-190.97	
		<i>For Class 54 Rating, Add</i>	268.30	
		<i>For Class 55 Rating, Add</i>	402.91	
		<i>For Class 56 Rating, Add</i>	535.79	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,467.68	438.17
		<i>For Class 52 Rating, Deduct</i>	-198.42	
		<i>For Class 54 Rating, Add</i>	278.54	
		<i>For Class 55 Rating, Add</i>	418.18	
		<i>For Class 56 Rating, Add</i>	556.02	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,542.81	443.09
		<i>For Class 52 Rating, Deduct</i>	-205.86	
		<i>For Class 54 Rating, Add</i>	288.78	
		<i>For Class 55 Rating, Add</i>	433.45	
		<i>For Class 56 Rating, Add</i>	576.25	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,617.92	448.01
		<i>For Class 52 Rating, Deduct</i>	-213.30	
		<i>For Class 54 Rating, Add</i>	299.01	
		<i>For Class 55 Rating, Add</i>	448.71	
		<i>For Class 56 Rating, Add</i>	596.48	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,693.06	452.94
		<i>For Class 52 Rating, Deduct</i>	-220.75	
		<i>For Class 54 Rating, Add</i>	309.25	
		<i>For Class 55 Rating, Add</i>	463.98	
		<i>For Class 56 Rating, Add</i>	616.71	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,768.19	457.86
		<i>For Class 52 Rating, Deduct</i>	-228.19	
		<i>For Class 54 Rating, Add</i>	319.49	
		<i>For Class 55 Rating, Add</i>	479.25	
		<i>For Class 56 Rating, Add</i>	636.94	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,843.31	462.79
		<i>For Class 52 Rating, Deduct</i>	-235.63	
		<i>For Class 54 Rating, Add</i>	329.73	
		<i>For Class 55 Rating, Add</i>	494.52	
		<i>For Class 56 Rating, Add</i>	657.17	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,918.45	467.70
		<i>For Class 52 Rating, Deduct</i>	-243.08	
		<i>For Class 54 Rating, Add</i>	339.97	
		<i>For Class 55 Rating, Add</i>	509.79	
		<i>For Class 56 Rating, Add</i>	677.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068 EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,993.57	472.63
<i>For Class 52 Rating, Deduct</i>	-250.52	
<i>For Class 54 Rating, Add</i>	350.21	
<i>For Class 55 Rating, Add</i>	525.06	
<i>For Class 56 Rating, Add</i>	697.63	
40 05 19 00-0069 EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,068.71	477.56
<i>For Class 52 Rating, Deduct</i>	-257.97	
<i>For Class 54 Rating, Add</i>	360.45	
<i>For Class 55 Rating, Add</i>	540.33	
<i>For Class 56 Rating, Add</i>	717.86	
40 05 19 00-0070 EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,143.82	482.47
<i>For Class 52 Rating, Deduct</i>	-265.41	
<i>For Class 54 Rating, Add</i>	370.69	
<i>For Class 55 Rating, Add</i>	555.60	
<i>For Class 56 Rating, Add</i>	738.09	
40 05 19 00-0071 EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,218.95	487.40
<i>For Class 52 Rating, Deduct</i>	-272.85	
<i>For Class 54 Rating, Add</i>	380.93	
<i>For Class 55 Rating, Add</i>	570.87	
<i>For Class 56 Rating, Add</i>	758.32	
40 05 19 00-0072 EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,294.09	492.32
<i>For Class 52 Rating, Deduct</i>	-280.30	
<i>For Class 54 Rating, Add</i>	391.17	
<i>For Class 55 Rating, Add</i>	586.14	
<i>For Class 56 Rating, Add</i>	778.56	
40 05 19 00-0073 EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,369.21	497.25
<i>For Class 52 Rating, Deduct</i>	-287.74	
<i>For Class 54 Rating, Add</i>	401.41	
<i>For Class 55 Rating, Add</i>	601.41	
<i>For Class 56 Rating, Add</i>	798.79	
40 05 19 00-0074 EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,444.34	502.17
<i>For Class 52 Rating, Deduct</i>	-295.18	
<i>For Class 54 Rating, Add</i>	411.65	
<i>For Class 55 Rating, Add</i>	616.68	
<i>For Class 56 Rating, Add</i>	819.02	
40 05 19 00-0075 EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,519.47	507.09
<i>For Class 52 Rating, Deduct</i>	-302.63	
<i>For Class 54 Rating, Add</i>	421.89	
<i>For Class 55 Rating, Add</i>	631.95	
<i>For Class 56 Rating, Add</i>	839.25	
40 05 19 00-0076 EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,594.60	512.02
<i>For Class 52 Rating, Deduct</i>	-310.07	
<i>For Class 54 Rating, Add</i>	432.13	
<i>For Class 55 Rating, Add</i>	647.22	
<i>For Class 56 Rating, Add</i>	859.48	
40 05 19 00-0077 EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,669.72	516.94
<i>For Class 52 Rating, Deduct</i>	-317.51	
<i>For Class 54 Rating, Add</i>	442.37	
<i>For Class 55 Rating, Add</i>	662.48	
<i>For Class 56 Rating, Add</i>	879.71	
40 05 19 00-0078 EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,744.85	521.86
<i>For Class 52 Rating, Deduct</i>	-324.96	
<i>For Class 54 Rating, Add</i>	452.61	
<i>For Class 55 Rating, Add</i>	677.75	
<i>For Class 56 Rating, Add</i>	899.94	
40 05 19 00-0079 EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,819.98	526.79
<i>For Class 52 Rating, Deduct</i>	-332.40	
<i>For Class 54 Rating, Add</i>	462.85	
<i>For Class 55 Rating, Add</i>	693.02	
<i>For Class 56 Rating, Add</i>	920.17	
40 05 19 00-0080 EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,895.11	531.71
<i>For Class 52 Rating, Deduct</i>	-339.84	
<i>For Class 54 Rating, Add</i>	473.09	
<i>For Class 55 Rating, Add</i>	708.29	
<i>For Class 56 Rating, Add</i>	940.40	
40 05 19 00-0081 EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,970.24	536.63
<i>For Class 52 Rating, Deduct</i>	-347.29	
<i>For Class 54 Rating, Add</i>	483.33	
<i>For Class 55 Rating, Add</i>	723.56	
<i>For Class 56 Rating, Add</i>	960.63	
40 05 19 00-0082 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,045.36	541.55
<i>For Class 52 Rating, Deduct</i>	-354.73	
<i>For Class 54 Rating, Add</i>	493.57	
<i>For Class 55 Rating, Add</i>	738.83	
<i>For Class 56 Rating, Add</i>	980.86	
40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,648.43	452.94
<i>For Class 52 Rating, Deduct</i>	-105.84	
<i>For Class 54 Rating, Add</i>	152.56	
<i>For Class 55 Rating, Add</i>	231.03	
<i>For Class 56 Rating, Add</i>	308.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,748.94	457.86
		<i>For Class 52 Rating, Deduct</i>	-116.07	
		<i>For Class 54 Rating, Add</i>	166.61	
		<i>For Class 55 Rating, Add</i>	251.96	
		<i>For Class 56 Rating, Add</i>	336.26	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,849.43	462.79
		<i>For Class 52 Rating, Deduct</i>	-126.31	
		<i>For Class 54 Rating, Add</i>	180.65	
		<i>For Class 55 Rating, Add</i>	272.89	
		<i>For Class 56 Rating, Add</i>	363.98	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,949.94	467.70
		<i>For Class 52 Rating, Deduct</i>	-136.54	
		<i>For Class 54 Rating, Add</i>	194.70	
		<i>For Class 55 Rating, Add</i>	293.82	
		<i>For Class 56 Rating, Add</i>	391.69	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,050.44	472.63
		<i>For Class 52 Rating, Deduct</i>	-146.78	
		<i>For Class 54 Rating, Add</i>	208.74	
		<i>For Class 55 Rating, Add</i>	314.74	
		<i>For Class 56 Rating, Add</i>	419.41	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,150.95	477.56
		<i>For Class 52 Rating, Deduct</i>	-157.01	
		<i>For Class 54 Rating, Add</i>	222.79	
		<i>For Class 55 Rating, Add</i>	335.67	
		<i>For Class 56 Rating, Add</i>	447.13	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,251.45	482.47
		<i>For Class 52 Rating, Deduct</i>	-167.25	
		<i>For Class 54 Rating, Add</i>	236.84	
		<i>For Class 55 Rating, Add</i>	356.60	
		<i>For Class 56 Rating, Add</i>	474.84	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,351.95	487.40
		<i>For Class 52 Rating, Deduct</i>	-177.48	
		<i>For Class 54 Rating, Add</i>	250.88	
		<i>For Class 55 Rating, Add</i>	377.53	
		<i>For Class 56 Rating, Add</i>	502.56	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,452.46	492.32
		<i>For Class 52 Rating, Deduct</i>	-187.72	
		<i>For Class 54 Rating, Add</i>	264.93	
		<i>For Class 55 Rating, Add</i>	398.45	
		<i>For Class 56 Rating, Add</i>	530.27	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,552.96	497.25
		<i>For Class 52 Rating, Deduct</i>	-197.95	
		<i>For Class 54 Rating, Add</i>	278.97	
		<i>For Class 55 Rating, Add</i>	419.38	
		<i>For Class 56 Rating, Add</i>	557.99	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,653.46	502.17
		<i>For Class 52 Rating, Deduct</i>	-208.19	
		<i>For Class 54 Rating, Add</i>	293.02	
		<i>For Class 55 Rating, Add</i>	440.31	
		<i>For Class 56 Rating, Add</i>	585.71	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.97	507.09
		<i>For Class 52 Rating, Deduct</i>	-218.42	
		<i>For Class 54 Rating, Add</i>	307.07	
		<i>For Class 55 Rating, Add</i>	461.24	
		<i>For Class 56 Rating, Add</i>	613.43	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,854.47	512.02
		<i>For Class 52 Rating, Deduct</i>	-228.66	
		<i>For Class 54 Rating, Add</i>	321.11	
		<i>For Class 55 Rating, Add</i>	482.17	
		<i>For Class 56 Rating, Add</i>	641.14	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.98	516.94
		<i>For Class 52 Rating, Deduct</i>	-238.89	
		<i>For Class 54 Rating, Add</i>	335.16	
		<i>For Class 55 Rating, Add</i>	503.10	
		<i>For Class 56 Rating, Add</i>	668.86	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,055.48	521.86
		<i>For Class 52 Rating, Deduct</i>	-249.13	
		<i>For Class 54 Rating, Add</i>	349.21	
		<i>For Class 55 Rating, Add</i>	524.02	
		<i>For Class 56 Rating, Add</i>	696.58	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.98	526.79
		<i>For Class 52 Rating, Deduct</i>	-259.36	
		<i>For Class 54 Rating, Add</i>	363.25	
		<i>For Class 55 Rating, Add</i>	544.95	
		<i>For Class 56 Rating, Add</i>	724.29	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,256.49	531.71
		<i>For Class 52 Rating, Deduct</i>	-269.60	
		<i>For Class 54 Rating, Add</i>	377.30	
		<i>For Class 55 Rating, Add</i>	565.88	
		<i>For Class 56 Rating, Add</i>	752.01	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,356.99	536.63
		<i>For Class 52 Rating, Deduct</i>	-279.83	
		<i>For Class 54 Rating, Add</i>	391.34	
		<i>For Class 55 Rating, Add</i>	586.81	
		<i>For Class 56 Rating, Add</i>	779.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,457.49	541.55
<i>For Class 52 Rating, Deduct</i>	-290.07	
<i>For Class 54 Rating, Add</i>	405.39	
<i>For Class 55 Rating, Add</i>	607.73	
<i>For Class 56 Rating, Add</i>	807.44	
40 05 19 00-0103 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,558.00	546.48
<i>For Class 52 Rating, Deduct</i>	-300.30	
<i>For Class 54 Rating, Add</i>	419.44	
<i>For Class 55 Rating, Add</i>	628.66	
<i>For Class 56 Rating, Add</i>	835.16	
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,658.49	551.40
<i>For Class 52 Rating, Deduct</i>	-310.53	
<i>For Class 54 Rating, Add</i>	433.48	
<i>For Class 55 Rating, Add</i>	649.59	
<i>For Class 56 Rating, Add</i>	862.87	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.01	556.32
<i>For Class 52 Rating, Deduct</i>	-320.77	
<i>For Class 54 Rating, Add</i>	447.53	
<i>For Class 55 Rating, Add</i>	670.52	
<i>For Class 56 Rating, Add</i>	890.59	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,859.51	561.25
<i>For Class 52 Rating, Deduct</i>	-331.00	
<i>For Class 54 Rating, Add</i>	461.57	
<i>For Class 55 Rating, Add</i>	691.45	
<i>For Class 56 Rating, Add</i>	918.31	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,960.01	566.17
<i>For Class 52 Rating, Deduct</i>	-341.24	
<i>For Class 54 Rating, Add</i>	475.62	
<i>For Class 55 Rating, Add</i>	712.37	
<i>For Class 56 Rating, Add</i>	946.02	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,060.52	571.10
<i>For Class 52 Rating, Deduct</i>	-351.47	
<i>For Class 54 Rating, Add</i>	489.67	
<i>For Class 55 Rating, Add</i>	733.30	
<i>For Class 56 Rating, Add</i>	973.74	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.02	576.01
<i>For Class 52 Rating, Deduct</i>	-361.71	
<i>For Class 54 Rating, Add</i>	503.71	
<i>For Class 55 Rating, Add</i>	754.23	
<i>For Class 56 Rating, Add</i>	1,001.46	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,261.52	580.94
<i>For Class 52 Rating, Deduct</i>	-371.94	
<i>For Class 54 Rating, Add</i>	517.76	
<i>For Class 55 Rating, Add</i>	775.16	
<i>For Class 56 Rating, Add</i>	1,029.17	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,362.02	585.87
<i>For Class 52 Rating, Deduct</i>	-382.18	
<i>For Class 54 Rating, Add</i>	531.80	
<i>For Class 55 Rating, Add</i>	796.08	
<i>For Class 56 Rating, Add</i>	1,056.89	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,462.53	590.78
<i>For Class 52 Rating, Deduct</i>	-392.41	
<i>For Class 54 Rating, Add</i>	545.85	
<i>For Class 55 Rating, Add</i>	817.01	
<i>For Class 56 Rating, Add</i>	1,084.61	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,563.03	595.71
<i>For Class 52 Rating, Deduct</i>	-402.65	
<i>For Class 54 Rating, Add</i>	559.90	
<i>For Class 55 Rating, Add</i>	837.94	
<i>For Class 56 Rating, Add</i>	1,112.32	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,663.54	600.63
<i>For Class 52 Rating, Deduct</i>	-412.88	
<i>For Class 54 Rating, Add</i>	573.94	
<i>For Class 55 Rating, Add</i>	858.87	
<i>For Class 56 Rating, Add</i>	1,140.04	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,764.04	605.56
<i>For Class 52 Rating, Deduct</i>	-423.12	
<i>For Class 54 Rating, Add</i>	587.99	
<i>For Class 55 Rating, Add</i>	879.80	
<i>For Class 56 Rating, Add</i>	1,167.76	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,864.54	610.48
<i>For Class 52 Rating, Deduct</i>	-433.35	
<i>For Class 54 Rating, Add</i>	602.04	
<i>For Class 55 Rating, Add</i>	900.72	
<i>For Class 56 Rating, Add</i>	1,195.47	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,965.05	615.40
<i>For Class 52 Rating, Deduct</i>	-443.59	
<i>For Class 54 Rating, Add</i>	616.08	
<i>For Class 55 Rating, Add</i>	921.65	
<i>For Class 56 Rating, Add</i>	1,223.19	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,065.55	620.33
<i>For Class 52 Rating, Deduct</i>	-453.82	
<i>For Class 54 Rating, Add</i>	630.13	
<i>For Class 55 Rating, Add</i>	942.58	
<i>For Class 56 Rating, Add</i>	1,250.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,166.06	625.25
		<i>For Class 52 Rating, Deduct</i>	-464.06	
		<i>For Class 54 Rating, Add</i>	644.17	
		<i>For Class 55 Rating, Add</i>	963.51	
		<i>For Class 56 Rating, Add</i>	1,278.62	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,266.55	630.17
		<i>For Class 52 Rating, Deduct</i>	-474.29	
		<i>For Class 54 Rating, Add</i>	658.22	
		<i>For Class 55 Rating, Add</i>	984.44	
		<i>For Class 56 Rating, Add</i>	1,306.34	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,367.07	635.10
		<i>For Class 52 Rating, Deduct</i>	-484.53	
		<i>For Class 54 Rating, Add</i>	672.27	
		<i>For Class 55 Rating, Add</i>	1,005.36	
		<i>For Class 56 Rating, Add</i>	1,334.06	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,467.57	640.02
		<i>For Class 52 Rating, Deduct</i>	-494.76	
		<i>For Class 54 Rating, Add</i>	686.31	
		<i>For Class 55 Rating, Add</i>	1,026.29	
		<i>For Class 56 Rating, Add</i>	1,361.77	
40 05 19 00-0123		10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.40	551.40
		<i>For Class 52 Rating, Deduct</i>	-135.84	
		<i>For Class 54 Rating, Add</i>	195.27	
		<i>For Class 55 Rating, Add</i>	295.44	
		<i>For Class 56 Rating, Add</i>	394.39	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,200.52	556.32
		<i>For Class 52 Rating, Deduct</i>	-149.34	
		<i>For Class 54 Rating, Add</i>	213.76	
		<i>For Class 55 Rating, Add</i>	322.97	
		<i>For Class 56 Rating, Add</i>	430.84	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,330.63	561.25
		<i>For Class 52 Rating, Deduct</i>	-162.83	
		<i>For Class 54 Rating, Add</i>	232.24	
		<i>For Class 55 Rating, Add</i>	350.50	
		<i>For Class 56 Rating, Add</i>	467.29	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,460.73	566.17
		<i>For Class 52 Rating, Deduct</i>	-176.32	
		<i>For Class 54 Rating, Add</i>	250.73	
		<i>For Class 55 Rating, Add</i>	378.03	
		<i>For Class 56 Rating, Add</i>	503.74	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.85	571.10
		<i>For Class 52 Rating, Deduct</i>	-189.81	
		<i>For Class 54 Rating, Add</i>	269.22	
		<i>For Class 55 Rating, Add</i>	405.56	
		<i>For Class 56 Rating, Add</i>	540.19	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,720.95	576.01
		<i>For Class 52 Rating, Deduct</i>	-203.30	
		<i>For Class 54 Rating, Add</i>	287.70	
		<i>For Class 55 Rating, Add</i>	433.09	
		<i>For Class 56 Rating, Add</i>	576.64	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,851.05	580.94
		<i>For Class 52 Rating, Deduct</i>	-216.79	
		<i>For Class 54 Rating, Add</i>	306.19	
		<i>For Class 55 Rating, Add</i>	460.62	
		<i>For Class 56 Rating, Add</i>	613.09	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,981.16	585.87
		<i>For Class 52 Rating, Deduct</i>	-230.28	
		<i>For Class 54 Rating, Add</i>	324.68	
		<i>For Class 55 Rating, Add</i>	488.15	
		<i>For Class 56 Rating, Add</i>	649.54	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,111.27	590.78
		<i>For Class 52 Rating, Deduct</i>	-243.78	
		<i>For Class 54 Rating, Add</i>	343.16	
		<i>For Class 55 Rating, Add</i>	515.68	
		<i>For Class 56 Rating, Add</i>	685.99	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,241.38	595.71
		<i>For Class 52 Rating, Deduct</i>	-257.27	
		<i>For Class 54 Rating, Add</i>	361.65	
		<i>For Class 55 Rating, Add</i>	543.21	
		<i>For Class 56 Rating, Add</i>	722.44	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,371.49	600.63
		<i>For Class 52 Rating, Deduct</i>	-270.76	
		<i>For Class 54 Rating, Add</i>	380.14	
		<i>For Class 55 Rating, Add</i>	570.74	
		<i>For Class 56 Rating, Add</i>	758.89	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,501.60	605.56
		<i>For Class 52 Rating, Deduct</i>	-284.25	
		<i>For Class 54 Rating, Add</i>	398.62	
		<i>For Class 55 Rating, Add</i>	598.27	
		<i>For Class 56 Rating, Add</i>	795.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,631.71	610.48
<i>For Class 52 Rating, Deduct</i>	-297.74	
<i>For Class 54 Rating, Add</i>	417.11	
<i>For Class 55 Rating, Add</i>	625.80	
<i>For Class 56 Rating, Add</i>	831.79	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,761.82	615.40
<i>For Class 52 Rating, Deduct</i>	-311.23	
<i>For Class 54 Rating, Add</i>	435.60	
<i>For Class 55 Rating, Add</i>	653.33	
<i>For Class 56 Rating, Add</i>	868.24	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,891.93	620.33
<i>For Class 52 Rating, Deduct</i>	-324.72	
<i>For Class 54 Rating, Add</i>	454.08	
<i>For Class 55 Rating, Add</i>	680.86	
<i>For Class 56 Rating, Add</i>	904.69	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,022.04	625.25
<i>For Class 52 Rating, Deduct</i>	-338.22	
<i>For Class 54 Rating, Add</i>	472.57	
<i>For Class 55 Rating, Add</i>	708.39	
<i>For Class 56 Rating, Add</i>	941.14	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,152.14	630.17
<i>For Class 52 Rating, Deduct</i>	-351.71	
<i>For Class 54 Rating, Add</i>	491.06	
<i>For Class 55 Rating, Add</i>	735.92	
<i>For Class 56 Rating, Add</i>	977.59	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,282.25	635.10
<i>For Class 52 Rating, Deduct</i>	-365.20	
<i>For Class 54 Rating, Add</i>	509.54	
<i>For Class 55 Rating, Add</i>	763.45	
<i>For Class 56 Rating, Add</i>	1,014.04	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,412.36	640.02
<i>For Class 52 Rating, Deduct</i>	-378.69	
<i>For Class 54 Rating, Add</i>	528.03	
<i>For Class 55 Rating, Add</i>	790.98	
<i>For Class 56 Rating, Add</i>	1,050.49	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,542.46	644.94
<i>For Class 52 Rating, Deduct</i>	-392.18	
<i>For Class 54 Rating, Add</i>	546.52	
<i>For Class 55 Rating, Add</i>	818.51	
<i>For Class 56 Rating, Add</i>	1,086.94	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,672.58	649.86
<i>For Class 52 Rating, Deduct</i>	-405.67	
<i>For Class 54 Rating, Add</i>	565.01	
<i>For Class 55 Rating, Add</i>	846.04	
<i>For Class 56 Rating, Add</i>	1,123.39	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,802.68	654.79
<i>For Class 52 Rating, Deduct</i>	-419.16	
<i>For Class 54 Rating, Add</i>	583.49	
<i>For Class 55 Rating, Add</i>	873.57	
<i>For Class 56 Rating, Add</i>	1,159.84	
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,932.80	659.72
<i>For Class 52 Rating, Deduct</i>	-432.66	
<i>For Class 54 Rating, Add</i>	601.98	
<i>For Class 55 Rating, Add</i>	901.10	
<i>For Class 56 Rating, Add</i>	1,196.29	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,062.90	664.63
<i>For Class 52 Rating, Deduct</i>	-446.15	
<i>For Class 54 Rating, Add</i>	620.47	
<i>For Class 55 Rating, Add</i>	928.63	
<i>For Class 56 Rating, Add</i>	1,232.74	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,193.01	669.56
<i>For Class 52 Rating, Deduct</i>	-459.64	
<i>For Class 54 Rating, Add</i>	638.95	
<i>For Class 55 Rating, Add</i>	956.16	
<i>For Class 56 Rating, Add</i>	1,269.19	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,323.13	674.48
<i>For Class 52 Rating, Deduct</i>	-473.13	
<i>For Class 54 Rating, Add</i>	657.44	
<i>For Class 55 Rating, Add</i>	983.69	
<i>For Class 56 Rating, Add</i>	1,305.64	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,453.23	679.41
<i>For Class 52 Rating, Deduct</i>	-486.62	
<i>For Class 54 Rating, Add</i>	675.93	
<i>For Class 55 Rating, Add</i>	1,011.22	
<i>For Class 56 Rating, Add</i>	1,342.09	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,583.34	684.32
<i>For Class 52 Rating, Deduct</i>	-500.11	
<i>For Class 54 Rating, Add</i>	694.41	
<i>For Class 55 Rating, Add</i>	1,038.75	
<i>For Class 56 Rating, Add</i>	1,378.54	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,713.45	689.25
<i>For Class 52 Rating, Deduct</i>	-513.60	
<i>For Class 54 Rating, Add</i>	712.90	
<i>For Class 55 Rating, Add</i>	1,066.28	
<i>For Class 56 Rating, Add</i>	1,414.99	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,843.55	694.18
		<i>For Class 52 Rating, Deduct</i>	-527.09	
		<i>For Class 54 Rating, Add</i>	731.39	
		<i>For Class 55 Rating, Add</i>	1,093.81	
		<i>For Class 56 Rating, Add</i>	1,451.44	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,973.66	699.10
		<i>For Class 52 Rating, Deduct</i>	-540.59	
		<i>For Class 54 Rating, Add</i>	749.87	
		<i>For Class 55 Rating, Add</i>	1,121.34	
		<i>For Class 56 Rating, Add</i>	1,487.89	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,101.66	704.02
		<i>For Class 52 Rating, Deduct</i>	-553.85	
		<i>For Class 54 Rating, Add</i>	768.04	
		<i>For Class 55 Rating, Add</i>	1,148.40	
		<i>For Class 56 Rating, Add</i>	1,523.71	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,233.87	708.94
		<i>For Class 52 Rating, Deduct</i>	-567.57	
		<i>For Class 54 Rating, Add</i>	786.85	
		<i>For Class 55 Rating, Add</i>	1,176.40	
		<i>For Class 56 Rating, Add</i>	1,560.79	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,363.99	713.87
		<i>For Class 52 Rating, Deduct</i>	-581.06	
		<i>For Class 54 Rating, Add</i>	805.33	
		<i>For Class 55 Rating, Add</i>	1,203.93	
		<i>For Class 56 Rating, Add</i>	1,597.24	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,494.10	718.79
		<i>For Class 52 Rating, Deduct</i>	-594.55	
		<i>For Class 54 Rating, Add</i>	823.82	
		<i>For Class 55 Rating, Add</i>	1,231.46	
		<i>For Class 56 Rating, Add</i>	1,633.69	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,624.20	723.71
		<i>For Class 52 Rating, Deduct</i>	-608.04	
		<i>For Class 54 Rating, Add</i>	842.31	
		<i>For Class 55 Rating, Add</i>	1,258.99	
		<i>For Class 56 Rating, Add</i>	1,670.14	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,754.32	728.64
		<i>For Class 52 Rating, Deduct</i>	-621.54	
		<i>For Class 54 Rating, Add</i>	860.80	
		<i>For Class 55 Rating, Add</i>	1,286.52	
		<i>For Class 56 Rating, Add</i>	1,706.59	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,884.42	733.56
		<i>For Class 52 Rating, Deduct</i>	-635.03	
		<i>For Class 54 Rating, Add</i>	879.28	
		<i>For Class 55 Rating, Add</i>	1,314.05	
		<i>For Class 56 Rating, Add</i>	1,743.04	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,014.54	738.48
		<i>For Class 52 Rating, Deduct</i>	-648.52	
		<i>For Class 54 Rating, Add</i>	897.77	
		<i>For Class 55 Rating, Add</i>	1,341.58	
		<i>For Class 56 Rating, Add</i>	1,779.49	
40 05 19 00-0163		12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,697.97	689.25
		<i>For Class 52 Rating, Deduct</i>	-181.90	
		<i>For Class 54 Rating, Add</i>	260.58	
		<i>For Class 55 Rating, Add</i>	393.83	
		<i>For Class 56 Rating, Add</i>	525.42	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.80	694.18
		<i>For Class 52 Rating, Deduct</i>	-198.88	
		<i>For Class 54 Rating, Add</i>	283.82	
		<i>For Class 55 Rating, Add</i>	428.43	
		<i>For Class 56 Rating, Add</i>	571.23	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,021.63	699.10
		<i>For Class 52 Rating, Deduct</i>	-215.86	
		<i>For Class 54 Rating, Add</i>	307.07	
		<i>For Class 55 Rating, Add</i>	463.03	
		<i>For Class 56 Rating, Add</i>	617.04	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,183.45	704.02
		<i>For Class 52 Rating, Deduct</i>	-232.84	
		<i>For Class 54 Rating, Add</i>	330.31	
		<i>For Class 55 Rating, Add</i>	497.64	
		<i>For Class 56 Rating, Add</i>	662.84	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,345.27	708.94
		<i>For Class 52 Rating, Deduct</i>	-249.82	
		<i>For Class 54 Rating, Add</i>	353.56	
		<i>For Class 55 Rating, Add</i>	532.24	
		<i>For Class 56 Rating, Add</i>	708.65	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,507.11	713.87
		<i>For Class 52 Rating, Deduct</i>	-266.80	
		<i>For Class 54 Rating, Add</i>	376.80	
		<i>For Class 55 Rating, Add</i>	566.84	
		<i>For Class 56 Rating, Add</i>	754.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,668.94	718.79
<i>For Class 52 Rating, Deduct</i>	-283.78	
<i>For Class 54 Rating, Add</i>	400.05	
<i>For Class 55 Rating, Add</i>	601.45	
<i>For Class 56 Rating, Add</i>	800.27	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,830.76	723.71
<i>For Class 52 Rating, Deduct</i>	-300.77	
<i>For Class 54 Rating, Add</i>	423.29	
<i>For Class 55 Rating, Add</i>	636.05	
<i>For Class 56 Rating, Add</i>	846.07	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,992.60	728.64
<i>For Class 52 Rating, Deduct</i>	-317.75	
<i>For Class 54 Rating, Add</i>	446.54	
<i>For Class 55 Rating, Add</i>	670.65	
<i>For Class 56 Rating, Add</i>	891.88	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.42	733.56
<i>For Class 52 Rating, Deduct</i>	-334.73	
<i>For Class 54 Rating, Add</i>	469.78	
<i>For Class 55 Rating, Add</i>	705.26	
<i>For Class 56 Rating, Add</i>	937.69	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,316.26	738.48
<i>For Class 52 Rating, Deduct</i>	-351.71	
<i>For Class 54 Rating, Add</i>	493.03	
<i>For Class 55 Rating, Add</i>	739.86	
<i>For Class 56 Rating, Add</i>	983.50	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,478.07	743.41
<i>For Class 52 Rating, Deduct</i>	-368.69	
<i>For Class 54 Rating, Add</i>	516.27	
<i>For Class 55 Rating, Add</i>	774.46	
<i>For Class 56 Rating, Add</i>	1,029.30	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,639.90	748.33
<i>For Class 52 Rating, Deduct</i>	-385.67	
<i>For Class 54 Rating, Add</i>	539.52	
<i>For Class 55 Rating, Add</i>	809.07	
<i>For Class 56 Rating, Add</i>	1,075.11	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,801.74	753.26
<i>For Class 52 Rating, Deduct</i>	-402.65	
<i>For Class 54 Rating, Add</i>	562.76	
<i>For Class 55 Rating, Add</i>	843.67	
<i>For Class 56 Rating, Add</i>	1,120.92	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,963.56	758.17
<i>For Class 52 Rating, Deduct</i>	-419.63	
<i>For Class 54 Rating, Add</i>	586.01	
<i>For Class 55 Rating, Add</i>	878.27	
<i>For Class 56 Rating, Add</i>	1,166.72	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,125.39	763.10
<i>For Class 52 Rating, Deduct</i>	-436.61	
<i>For Class 54 Rating, Add</i>	609.25	
<i>For Class 55 Rating, Add</i>	912.88	
<i>For Class 56 Rating, Add</i>	1,212.53	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,287.22	768.03
<i>For Class 52 Rating, Deduct</i>	-453.59	
<i>For Class 54 Rating, Add</i>	632.50	
<i>For Class 55 Rating, Add</i>	947.48	
<i>For Class 56 Rating, Add</i>	1,258.34	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,449.05	772.94
<i>For Class 52 Rating, Deduct</i>	-470.57	
<i>For Class 54 Rating, Add</i>	655.74	
<i>For Class 55 Rating, Add</i>	982.08	
<i>For Class 56 Rating, Add</i>	1,304.15	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,610.88	777.87
<i>For Class 52 Rating, Deduct</i>	-487.55	
<i>For Class 54 Rating, Add</i>	678.99	
<i>For Class 55 Rating, Add</i>	1,016.69	
<i>For Class 56 Rating, Add</i>	1,349.95	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,772.70	782.79
<i>For Class 52 Rating, Deduct</i>	-504.53	
<i>For Class 54 Rating, Add</i>	702.23	
<i>For Class 55 Rating, Add</i>	1,051.29	
<i>For Class 56 Rating, Add</i>	1,395.76	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,934.53	787.72
<i>For Class 52 Rating, Deduct</i>	-521.51	
<i>For Class 54 Rating, Add</i>	725.48	
<i>For Class 55 Rating, Add</i>	1,085.89	
<i>For Class 56 Rating, Add</i>	1,441.57	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,096.36	792.64
<i>For Class 52 Rating, Deduct</i>	-538.49	
<i>For Class 54 Rating, Add</i>	748.72	
<i>For Class 55 Rating, Add</i>	1,120.50	
<i>For Class 56 Rating, Add</i>	1,487.37	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,258.19	797.56
<i>For Class 52 Rating, Deduct</i>	-555.47	
<i>For Class 54 Rating, Add</i>	771.97	
<i>For Class 55 Rating, Add</i>	1,155.10	
<i>For Class 56 Rating, Add</i>	1,533.18	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,420.01	802.49
		<i>For Class 52 Rating, Deduct</i>	-572.45	
		<i>For Class 54 Rating, Add</i>	795.21	
		<i>For Class 55 Rating, Add</i>	1,189.70	
		<i>For Class 56 Rating, Add</i>	1,578.99	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,743.85	807.41
		<i>For Class 52 Rating, Deduct</i>	-589.44	
		<i>For Class 54 Rating, Add</i>	818.46	
		<i>For Class 55 Rating, Add</i>	1,224.31	
		<i>For Class 56 Rating, Add</i>	1,624.80	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,743.67	812.33
		<i>For Class 52 Rating, Deduct</i>	-606.42	
		<i>For Class 54 Rating, Add</i>	841.70	
		<i>For Class 55 Rating, Add</i>	1,258.91	
		<i>For Class 56 Rating, Add</i>	1,670.61	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,905.51	817.26
		<i>For Class 52 Rating, Deduct</i>	-623.40	
		<i>For Class 54 Rating, Add</i>	864.95	
		<i>For Class 55 Rating, Add</i>	1,293.51	
		<i>For Class 56 Rating, Add</i>	1,716.41	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,067.33	822.18
		<i>For Class 52 Rating, Deduct</i>	-640.38	
		<i>For Class 54 Rating, Add</i>	888.19	
		<i>For Class 55 Rating, Add</i>	1,328.11	
		<i>For Class 56 Rating, Add</i>	1,762.22	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,229.15	827.10
		<i>For Class 52 Rating, Deduct</i>	-657.36	
		<i>For Class 54 Rating, Add</i>	911.43	
		<i>For Class 55 Rating, Add</i>	1,362.72	
		<i>For Class 56 Rating, Add</i>	1,808.03	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,390.99	832.02
		<i>For Class 52 Rating, Deduct</i>	-674.34	
		<i>For Class 54 Rating, Add</i>	934.68	
		<i>For Class 55 Rating, Add</i>	1,397.32	
		<i>For Class 56 Rating, Add</i>	1,853.83	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,552.81	836.95
		<i>For Class 52 Rating, Deduct</i>	-691.32	
		<i>For Class 54 Rating, Add</i>	957.92	
		<i>For Class 55 Rating, Add</i>	1,431.92	
		<i>For Class 56 Rating, Add</i>	1,899.64	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,714.64	841.87
		<i>For Class 52 Rating, Deduct</i>	-708.30	
		<i>For Class 54 Rating, Add</i>	981.17	
		<i>For Class 55 Rating, Add</i>	1,466.53	
		<i>For Class 56 Rating, Add</i>	1,945.45	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,876.47	846.79
		<i>For Class 52 Rating, Deduct</i>	-725.28	
		<i>For Class 54 Rating, Add</i>	1,004.41	
		<i>For Class 55 Rating, Add</i>	1,501.13	
		<i>For Class 56 Rating, Add</i>	1,991.26	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,038.30	851.72
		<i>For Class 52 Rating, Deduct</i>	-742.26	
		<i>For Class 54 Rating, Add</i>	1,027.66	
		<i>For Class 55 Rating, Add</i>	1,535.74	
		<i>For Class 56 Rating, Add</i>	2,037.06	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,200.12	856.64
		<i>For Class 52 Rating, Deduct</i>	-759.24	
		<i>For Class 54 Rating, Add</i>	1,050.90	
		<i>For Class 55 Rating, Add</i>	1,570.34	
		<i>For Class 56 Rating, Add</i>	2,082.87	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,361.95	861.57
		<i>For Class 52 Rating, Deduct</i>	-776.22	
		<i>For Class 54 Rating, Add</i>	1,074.15	
		<i>For Class 55 Rating, Add</i>	1,604.94	
		<i>For Class 56 Rating, Add</i>	2,128.68	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,523.78	866.48
		<i>For Class 52 Rating, Deduct</i>	-793.20	
		<i>For Class 54 Rating, Add</i>	1,097.39	
		<i>For Class 55 Rating, Add</i>	1,639.54	
		<i>For Class 56 Rating, Add</i>	2,174.48	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,685.61	871.41
		<i>For Class 52 Rating, Deduct</i>	-810.18	
		<i>For Class 54 Rating, Add</i>	1,120.64	
		<i>For Class 55 Rating, Add</i>	1,674.15	
		<i>For Class 56 Rating, Add</i>	2,220.29	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,847.44	876.34
		<i>For Class 52 Rating, Deduct</i>	-827.16	
		<i>For Class 54 Rating, Add</i>	1,143.88	
		<i>For Class 55 Rating, Add</i>	1,708.75	
		<i>For Class 56 Rating, Add</i>	2,266.10	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.71	827.10
<i>For Class 52 Rating, Deduct</i>	-254.71	
<i>For Class 54 Rating, Add</i>	362.37	
<i>For Class 55 Rating, Add</i>	546.44	
<i>For Class 56 Rating, Add</i>	728.20	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,764.38	832.02
<i>For Class 52 Rating, Deduct</i>	-275.41	
<i>For Class 54 Rating, Add</i>	390.69	
<i>For Class 55 Rating, Add</i>	588.59	
<i>For Class 56 Rating, Add</i>	783.98	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,960.04	836.95
<i>For Class 52 Rating, Deduct</i>	-296.11	
<i>For Class 54 Rating, Add</i>	419.01	
<i>For Class 55 Rating, Add</i>	630.74	
<i>For Class 56 Rating, Add</i>	839.77	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,155.70	841.87
<i>For Class 52 Rating, Deduct</i>	-316.82	
<i>For Class 54 Rating, Add</i>	447.33	
<i>For Class 55 Rating, Add</i>	672.88	
<i>For Class 56 Rating, Add</i>	895.56	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.36	846.79
<i>For Class 52 Rating, Deduct</i>	-337.52	
<i>For Class 54 Rating, Add</i>	475.65	
<i>For Class 55 Rating, Add</i>	715.03	
<i>For Class 56 Rating, Add</i>	951.35	
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,547.03	851.72
<i>For Class 52 Rating, Deduct</i>	-358.22	
<i>For Class 54 Rating, Add</i>	503.97	
<i>For Class 55 Rating, Add</i>	757.18	
<i>For Class 56 Rating, Add</i>	1,007.14	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,742.69	856.64
<i>For Class 52 Rating, Deduct</i>	-378.92	
<i>For Class 54 Rating, Add</i>	532.29	
<i>For Class 55 Rating, Add</i>	799.33	
<i>For Class 56 Rating, Add</i>	1,062.93	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,938.35	861.57
<i>For Class 52 Rating, Deduct</i>	-399.62	
<i>For Class 54 Rating, Add</i>	560.61	
<i>For Class 55 Rating, Add</i>	841.48	
<i>For Class 56 Rating, Add</i>	1,118.71	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,134.01	866.48
<i>For Class 52 Rating, Deduct</i>	-420.33	
<i>For Class 54 Rating, Add</i>	588.93	
<i>For Class 55 Rating, Add</i>	883.63	
<i>For Class 56 Rating, Add</i>	1,174.50	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,329.68	871.41
<i>For Class 52 Rating, Deduct</i>	-441.03	
<i>For Class 54 Rating, Add</i>	617.25	
<i>For Class 55 Rating, Add</i>	925.77	
<i>For Class 56 Rating, Add</i>	1,230.29	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,525.34	876.34
<i>For Class 52 Rating, Deduct</i>	-461.73	
<i>For Class 54 Rating, Add</i>	645.57	
<i>For Class 55 Rating, Add</i>	967.92	
<i>For Class 56 Rating, Add</i>	1,286.08	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,721.00	881.25
<i>For Class 52 Rating, Deduct</i>	-482.43	
<i>For Class 54 Rating, Add</i>	673.89	
<i>For Class 55 Rating, Add</i>	1,010.07	
<i>For Class 56 Rating, Add</i>	1,341.87	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,916.67	886.18
<i>For Class 52 Rating, Deduct</i>	-503.14	
<i>For Class 54 Rating, Add</i>	702.21	
<i>For Class 55 Rating, Add</i>	1,052.22	
<i>For Class 56 Rating, Add</i>	1,397.66	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,112.32	891.10
<i>For Class 52 Rating, Deduct</i>	-523.84	
<i>For Class 54 Rating, Add</i>	730.53	
<i>For Class 55 Rating, Add</i>	1,094.37	
<i>For Class 56 Rating, Add</i>	1,453.45	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,307.99	896.03
<i>For Class 52 Rating, Deduct</i>	-544.54	
<i>For Class 54 Rating, Add</i>	758.85	
<i>For Class 55 Rating, Add</i>	1,136.52	
<i>For Class 56 Rating, Add</i>	1,509.23	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,503.66	900.95
<i>For Class 52 Rating, Deduct</i>	-565.24	
<i>For Class 54 Rating, Add</i>	787.17	
<i>For Class 55 Rating, Add</i>	1,178.67	
<i>For Class 56 Rating, Add</i>	1,565.02	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,699.31	905.87
<i>For Class 52 Rating, Deduct</i>	-585.95	
<i>For Class 54 Rating, Add</i>	815.49	
<i>For Class 55 Rating, Add</i>	1,220.81	
<i>For Class 56 Rating, Add</i>	1,620.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,894.98	910.80
		<i>For Class 52 Rating, Deduct</i>	-606.65	
		<i>For Class 54 Rating, Add</i>	843.81	
		<i>For Class 55 Rating, Add</i>	1,262.96	
		<i>For Class 56 Rating, Add</i>	1,676.60	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,090.63	915.72
		<i>For Class 52 Rating, Deduct</i>	-627.35	
		<i>For Class 54 Rating, Add</i>	872.13	
		<i>For Class 55 Rating, Add</i>	1,305.11	
		<i>For Class 56 Rating, Add</i>	1,732.39	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,286.31	920.64
		<i>For Class 52 Rating, Deduct</i>	-648.05	
		<i>For Class 54 Rating, Add</i>	900.45	
		<i>For Class 55 Rating, Add</i>	1,347.26	
		<i>For Class 56 Rating, Add</i>	1,788.18	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,481.96	925.57
		<i>For Class 52 Rating, Deduct</i>	-668.75	
		<i>For Class 54 Rating, Add</i>	928.77	
		<i>For Class 55 Rating, Add</i>	1,389.41	
		<i>For Class 56 Rating, Add</i>	1,843.96	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,677.62	930.49
		<i>For Class 52 Rating, Deduct</i>	-689.46	
		<i>For Class 54 Rating, Add</i>	957.09	
		<i>For Class 55 Rating, Add</i>	1,431.55	
		<i>For Class 56 Rating, Add</i>	1,899.75	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,873.30	935.41
		<i>For Class 52 Rating, Deduct</i>	-710.16	
		<i>For Class 54 Rating, Add</i>	985.41	
		<i>For Class 55 Rating, Add</i>	1,473.70	
		<i>For Class 56 Rating, Add</i>	1,955.54	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,068.95	940.33
		<i>For Class 52 Rating, Deduct</i>	-730.86	
		<i>For Class 54 Rating, Add</i>	1,013.73	
		<i>For Class 55 Rating, Add</i>	1,515.85	
		<i>For Class 56 Rating, Add</i>	2,011.33	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,264.61	945.26
		<i>For Class 52 Rating, Deduct</i>	-751.56	
		<i>For Class 54 Rating, Add</i>	1,042.05	
		<i>For Class 55 Rating, Add</i>	1,558.00	
		<i>For Class 56 Rating, Add</i>	2,067.12	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,460.27	950.19
		<i>For Class 52 Rating, Deduct</i>	-772.27	
		<i>For Class 54 Rating, Add</i>	1,070.37	
		<i>For Class 55 Rating, Add</i>	1,600.15	
		<i>For Class 56 Rating, Add</i>	2,122.91	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,655.94	955.10
		<i>For Class 52 Rating, Deduct</i>	-792.97	
		<i>For Class 54 Rating, Add</i>	1,098.69	
		<i>For Class 55 Rating, Add</i>	1,642.30	
		<i>For Class 56 Rating, Add</i>	2,178.70	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,851.60	960.03
		<i>For Class 52 Rating, Deduct</i>	-813.67	
		<i>For Class 54 Rating, Add</i>	1,127.01	
		<i>For Class 55 Rating, Add</i>	1,684.44	
		<i>For Class 56 Rating, Add</i>	2,234.48	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,047.26	964.95
		<i>For Class 52 Rating, Deduct</i>	-834.37	
		<i>For Class 54 Rating, Add</i>	1,155.33	
		<i>For Class 55 Rating, Add</i>	1,726.59	
		<i>For Class 56 Rating, Add</i>	2,290.27	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,242.92	969.88
		<i>For Class 52 Rating, Deduct</i>	-855.08	
		<i>For Class 54 Rating, Add</i>	1,183.65	
		<i>For Class 55 Rating, Add</i>	1,768.74	
		<i>For Class 56 Rating, Add</i>	2,346.06	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,438.59	974.80
		<i>For Class 52 Rating, Deduct</i>	-875.78	
		<i>For Class 54 Rating, Add</i>	1,211.97	
		<i>For Class 55 Rating, Add</i>	1,810.89	
		<i>For Class 56 Rating, Add</i>	2,401.85	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,634.25	979.72
		<i>For Class 52 Rating, Deduct</i>	-896.48	
		<i>For Class 54 Rating, Add</i>	1,240.29	
		<i>For Class 55 Rating, Add</i>	1,853.04	
		<i>For Class 56 Rating, Add</i>	2,457.64	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,829.91	984.65
		<i>For Class 52 Rating, Deduct</i>	-917.18	
		<i>For Class 54 Rating, Add</i>	1,268.61	
		<i>For Class 55 Rating, Add</i>	1,895.19	
		<i>For Class 56 Rating, Add</i>	2,513.43	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,025.58	989.57
		<i>For Class 52 Rating, Deduct</i>	-937.89	
		<i>For Class 54 Rating, Add</i>	1,296.93	
		<i>For Class 55 Rating, Add</i>	1,937.33	
		<i>For Class 56 Rating, Add</i>	2,569.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238 EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,221.23	994.49
<i>For Class 52 Rating, Deduct</i>	-958.59	
<i>For Class 54 Rating, Add</i>	1,325.25	
<i>For Class 55 Rating, Add</i>	1,979.48	
<i>For Class 56 Rating, Add</i>	2,625.00	
40 05 19 00-0239 EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,416.90	999.41
<i>For Class 52 Rating, Deduct</i>	-979.29	
<i>For Class 54 Rating, Add</i>	1,353.57	
<i>For Class 55 Rating, Add</i>	2,021.63	
<i>For Class 56 Rating, Add</i>	2,680.79	
40 05 19 00-0240 EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,612.56	1,004.34
<i>For Class 52 Rating, Deduct</i>	-999.99	
<i>For Class 54 Rating, Add</i>	1,381.89	
<i>For Class 55 Rating, Add</i>	2,063.78	
<i>For Class 56 Rating, Add</i>	2,736.58	
40 05 19 00-0241 EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,808.22	1,009.26
<i>For Class 52 Rating, Deduct</i>	-1,020.69	
<i>For Class 54 Rating, Add</i>	1,410.21	
<i>For Class 55 Rating, Add</i>	2,105.93	
<i>For Class 56 Rating, Add</i>	2,792.37	
40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243 EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,177.01	945.26
<i>For Class 52 Rating, Deduct</i>	-301.93	
<i>For Class 54 Rating, Add</i>	428.91	
<i>For Class 55 Rating, Add</i>	646.46	
<i>For Class 56 Rating, Add</i>	861.28	
40 05 19 00-0244 EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,404.40	950.19
<i>For Class 52 Rating, Deduct</i>	-326.12	
<i>For Class 54 Rating, Add</i>	461.99	
<i>For Class 55 Rating, Add</i>	695.69	
<i>For Class 56 Rating, Add</i>	926.42	
40 05 19 00-0245 EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,631.78	955.10
<i>For Class 52 Rating, Deduct</i>	-350.31	
<i>For Class 54 Rating, Add</i>	495.06	
<i>For Class 55 Rating, Add</i>	744.91	
<i>For Class 56 Rating, Add</i>	991.57	
40 05 19 00-0246 EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,859.16	960.03
<i>For Class 52 Rating, Deduct</i>	-374.50	
<i>For Class 54 Rating, Add</i>	528.14	
<i>For Class 55 Rating, Add</i>	794.13	
<i>For Class 56 Rating, Add</i>	1,056.71	
40 05 19 00-0247 EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,086.54	964.95
<i>For Class 52 Rating, Deduct</i>	-398.69	
<i>For Class 54 Rating, Add</i>	561.22	
<i>For Class 55 Rating, Add</i>	843.35	
<i>For Class 56 Rating, Add</i>	1,121.86	
40 05 19 00-0248 EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,313.92	969.88
<i>For Class 52 Rating, Deduct</i>	-422.89	
<i>For Class 54 Rating, Add</i>	594.30	
<i>For Class 55 Rating, Add</i>	892.57	
<i>For Class 56 Rating, Add</i>	1,187.01	
40 05 19 00-0249 EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,541.31	974.80
<i>For Class 52 Rating, Deduct</i>	-447.08	
<i>For Class 54 Rating, Add</i>	627.37	
<i>For Class 55 Rating, Add</i>	941.80	
<i>For Class 56 Rating, Add</i>	1,252.15	
40 05 19 00-0250 EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,768.69	979.72
<i>For Class 52 Rating, Deduct</i>	-471.27	
<i>For Class 54 Rating, Add</i>	660.45	
<i>For Class 55 Rating, Add</i>	991.02	
<i>For Class 56 Rating, Add</i>	1,317.30	
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,996.06	984.65
<i>For Class 52 Rating, Deduct</i>	-495.46	
<i>For Class 54 Rating, Add</i>	693.53	
<i>For Class 55 Rating, Add</i>	1,040.24	
<i>For Class 56 Rating, Add</i>	1,382.44	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,223.46	989.57
<i>For Class 52 Rating, Deduct</i>	-519.65	
<i>For Class 54 Rating, Add</i>	726.61	
<i>For Class 55 Rating, Add</i>	1,089.46	
<i>For Class 56 Rating, Add</i>	1,447.59	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,450.83	994.49
<i>For Class 52 Rating, Deduct</i>	-543.84	
<i>For Class 54 Rating, Add</i>	759.69	
<i>For Class 55 Rating, Add</i>	1,138.68	
<i>For Class 56 Rating, Add</i>	1,512.73	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,678.22	999.41
<i>For Class 52 Rating, Deduct</i>	-568.03	
<i>For Class 54 Rating, Add</i>	792.76	
<i>For Class 55 Rating, Add</i>	1,187.90	
<i>For Class 56 Rating, Add</i>	1,577.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,905.59	1,004.34
		<i>For Class 52 Rating, Deduct</i>	-592.23	
		<i>For Class 54 Rating, Add</i>	825.84	
		<i>For Class 55 Rating, Add</i>	1,237.12	
		<i>For Class 56 Rating, Add</i>	1,643.02	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,132.98	1,009.26
		<i>For Class 52 Rating, Deduct</i>	-616.42	
		<i>For Class 54 Rating, Add</i>	858.92	
		<i>For Class 55 Rating, Add</i>	1,286.35	
		<i>For Class 56 Rating, Add</i>	1,708.17	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,360.37	1,014.18
		<i>For Class 52 Rating, Deduct</i>	-640.61	
		<i>For Class 54 Rating, Add</i>	892.00	
		<i>For Class 55 Rating, Add</i>	1,335.57	
		<i>For Class 56 Rating, Add</i>	1,773.32	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,587.74	1,019.11
		<i>For Class 52 Rating, Deduct</i>	-664.80	
		<i>For Class 54 Rating, Add</i>	925.08	
		<i>For Class 55 Rating, Add</i>	1,384.79	
		<i>For Class 56 Rating, Add</i>	1,838.46	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,815.12	1,024.03
		<i>For Class 52 Rating, Deduct</i>	-688.99	
		<i>For Class 54 Rating, Add</i>	958.15	
		<i>For Class 55 Rating, Add</i>	1,434.01	
		<i>For Class 56 Rating, Add</i>	1,903.61	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,042.51	1,028.95
		<i>For Class 52 Rating, Deduct</i>	-713.18	
		<i>For Class 54 Rating, Add</i>	991.23	
		<i>For Class 55 Rating, Add</i>	1,483.23	
		<i>For Class 56 Rating, Add</i>	1,968.75	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,269.89	1,033.88
		<i>For Class 52 Rating, Deduct</i>	-737.38	
		<i>For Class 54 Rating, Add</i>	1,024.31	
		<i>For Class 55 Rating, Add</i>	1,532.46	
		<i>For Class 56 Rating, Add</i>	2,033.90	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,497.27	1,038.80
		<i>For Class 52 Rating, Deduct</i>	-761.57	
		<i>For Class 54 Rating, Add</i>	1,057.39	
		<i>For Class 55 Rating, Add</i>	1,581.68	
		<i>For Class 56 Rating, Add</i>	2,099.04	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,724.65	1,043.73
		<i>For Class 52 Rating, Deduct</i>	-785.76	
		<i>For Class 54 Rating, Add</i>	1,090.46	
		<i>For Class 55 Rating, Add</i>	1,630.90	
		<i>For Class 56 Rating, Add</i>	2,164.19	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,952.04	1,048.64
		<i>For Class 52 Rating, Deduct</i>	-809.95	
		<i>For Class 54 Rating, Add</i>	1,123.54	
		<i>For Class 55 Rating, Add</i>	1,680.12	
		<i>For Class 56 Rating, Add</i>	2,229.34	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,179.42	1,053.57
		<i>For Class 52 Rating, Deduct</i>	-834.14	
		<i>For Class 54 Rating, Add</i>	1,156.62	
		<i>For Class 55 Rating, Add</i>	1,729.34	
		<i>For Class 56 Rating, Add</i>	2,294.48	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,406.80	1,058.50
		<i>For Class 52 Rating, Deduct</i>	-858.33	
		<i>For Class 54 Rating, Add</i>	1,189.70	
		<i>For Class 55 Rating, Add</i>	1,778.56	
		<i>For Class 56 Rating, Add</i>	2,359.63	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,634.17	1,063.41
		<i>For Class 52 Rating, Deduct</i>	-882.52	
		<i>For Class 54 Rating, Add</i>	1,222.78	
		<i>For Class 55 Rating, Add</i>	1,827.79	
		<i>For Class 56 Rating, Add</i>	2,424.77	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,861.57	1,068.34
		<i>For Class 52 Rating, Deduct</i>	-906.72	
		<i>For Class 54 Rating, Add</i>	1,255.85	
		<i>For Class 55 Rating, Add</i>	1,877.01	
		<i>For Class 56 Rating, Add</i>	2,489.92	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,088.94	1,073.26
		<i>For Class 52 Rating, Deduct</i>	-930.91	
		<i>For Class 54 Rating, Add</i>	1,288.93	
		<i>For Class 55 Rating, Add</i>	1,926.23	
		<i>For Class 56 Rating, Add</i>	2,555.06	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,316.33	1,078.19
		<i>For Class 52 Rating, Deduct</i>	-955.10	
		<i>For Class 54 Rating, Add</i>	1,322.01	
		<i>For Class 55 Rating, Add</i>	1,975.45	
		<i>For Class 56 Rating, Add</i>	2,620.21	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,543.70	1,083.11
		<i>For Class 52 Rating, Deduct</i>	-979.29	
		<i>For Class 54 Rating, Add</i>	1,355.09	
		<i>For Class 55 Rating, Add</i>	2,024.67	
		<i>For Class 56 Rating, Add</i>	2,685.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272 EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,771.09	1,088.03
<i>For Class 52 Rating, Deduct</i>	-1,003.48	
<i>For Class 54 Rating, Add</i>	1,388.17	
<i>For Class 55 Rating, Add</i>	2,073.90	
<i>For Class 56 Rating, Add</i>	2,750.50	
40 05 19 00-0273 EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,998.48	1,092.96
<i>For Class 52 Rating, Deduct</i>	-1,027.67	
<i>For Class 54 Rating, Add</i>	1,421.24	
<i>For Class 55 Rating, Add</i>	2,123.12	
<i>For Class 56 Rating, Add</i>	2,815.65	
40 05 19 00-0274 EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,225.85	1,097.88
<i>For Class 52 Rating, Deduct</i>	-1,051.86	
<i>For Class 54 Rating, Add</i>	1,454.32	
<i>For Class 55 Rating, Add</i>	2,172.34	
<i>For Class 56 Rating, Add</i>	2,880.79	
40 05 19 00-0275 EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,453.23	1,102.80
<i>For Class 52 Rating, Deduct</i>	-1,076.06	
<i>For Class 54 Rating, Add</i>	1,487.40	
<i>For Class 55 Rating, Add</i>	2,221.56	
<i>For Class 56 Rating, Add</i>	2,945.94	
40 05 19 00-0276 EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,680.62	1,107.73
<i>For Class 52 Rating, Deduct</i>	-1,100.25	
<i>For Class 54 Rating, Add</i>	1,520.48	
<i>For Class 55 Rating, Add</i>	2,270.78	
<i>For Class 56 Rating, Add</i>	3,011.09	
40 05 19 00-0277 EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,908.00	1,112.65
<i>For Class 52 Rating, Deduct</i>	-1,124.44	
<i>For Class 54 Rating, Add</i>	1,553.56	
<i>For Class 55 Rating, Add</i>	2,320.00	
<i>For Class 56 Rating, Add</i>	3,076.23	
40 05 19 00-0278 EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,135.38	1,117.57
<i>For Class 52 Rating, Deduct</i>	-1,148.63	
<i>For Class 54 Rating, Add</i>	1,586.63	
<i>For Class 55 Rating, Add</i>	2,369.23	
<i>For Class 56 Rating, Add</i>	3,141.37	
40 05 19 00-0279 EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,362.76	1,122.49
<i>For Class 52 Rating, Deduct</i>	-1,172.82	
<i>For Class 54 Rating, Add</i>	1,619.71	
<i>For Class 55 Rating, Add</i>	2,418.45	
<i>For Class 56 Rating, Add</i>	3,206.52	
40 05 19 00-0280 EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,590.15	1,127.42
<i>For Class 52 Rating, Deduct</i>	-1,197.01	
<i>For Class 54 Rating, Add</i>	1,652.79	
<i>For Class 55 Rating, Add</i>	2,467.67	
<i>For Class 56 Rating, Add</i>	3,271.67	
40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282 EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,849.62	1,065.39
<i>For Class 52 Rating, Deduct</i>	-355.89	
<i>For Class 54 Rating, Add</i>	504.68	
<i>For Class 55 Rating, Add</i>	760.24	
<i>For Class 56 Rating, Add</i>	1,012.55	
40 05 19 00-0283 EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,110.84	1,070.31
<i>For Class 52 Rating, Deduct</i>	-383.81	
<i>For Class 54 Rating, Add</i>	542.83	
<i>For Class 55 Rating, Add</i>	817.00	
<i>For Class 56 Rating, Add</i>	1,087.68	
40 05 19 00-0284 EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,372.05	1,075.23
<i>For Class 52 Rating, Deduct</i>	-411.72	
<i>For Class 54 Rating, Add</i>	580.99	
<i>For Class 55 Rating, Add</i>	873.77	
<i>For Class 56 Rating, Add</i>	1,162.81	
40 05 19 00-0285 EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,633.27	1,080.16
<i>For Class 52 Rating, Deduct</i>	-439.63	
<i>For Class 54 Rating, Add</i>	619.14	
<i>For Class 55 Rating, Add</i>	930.54	
<i>For Class 56 Rating, Add</i>	1,237.94	
40 05 19 00-0286 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,894.49	1,085.07
<i>For Class 52 Rating, Deduct</i>	-467.55	
<i>For Class 54 Rating, Add</i>	657.29	
<i>For Class 55 Rating, Add</i>	987.30	
<i>For Class 56 Rating, Add</i>	1,313.06	
40 05 19 00-0287 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,155.70	1,090.00
<i>For Class 52 Rating, Deduct</i>	-495.46	
<i>For Class 54 Rating, Add</i>	695.45	
<i>For Class 55 Rating, Add</i>	1,044.07	
<i>For Class 56 Rating, Add</i>	1,388.19	
40 05 19 00-0288 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,416.92	1,094.93
<i>For Class 52 Rating, Deduct</i>	-523.37	
<i>For Class 54 Rating, Add</i>	733.60	
<i>For Class 55 Rating, Add</i>	1,100.84	
<i>For Class 56 Rating, Add</i>	1,463.32	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,678.13	1,099.85
		<i>For Class 52 Rating, Deduct</i>	-551.29	
		<i>For Class 54 Rating, Add</i>	771.75	
		<i>For Class 55 Rating, Add</i>	1,157.60	
		<i>For Class 56 Rating, Add</i>	1,538.44	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,939.35	1,104.77
		<i>For Class 52 Rating, Deduct</i>	-579.20	
		<i>For Class 54 Rating, Add</i>	809.90	
		<i>For Class 55 Rating, Add</i>	1,214.37	
		<i>For Class 56 Rating, Add</i>	1,613.57	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,200.56	1,109.69
		<i>For Class 52 Rating, Deduct</i>	-607.11	
		<i>For Class 54 Rating, Add</i>	848.06	
		<i>For Class 55 Rating, Add</i>	1,271.14	
		<i>For Class 56 Rating, Add</i>	1,688.70	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,461.79	1,114.62
		<i>For Class 52 Rating, Deduct</i>	-635.03	
		<i>For Class 54 Rating, Add</i>	886.21	
		<i>For Class 55 Rating, Add</i>	1,327.90	
		<i>For Class 56 Rating, Add</i>	1,763.82	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,722.99	1,119.55
		<i>For Class 52 Rating, Deduct</i>	-662.94	
		<i>For Class 54 Rating, Add</i>	924.36	
		<i>For Class 55 Rating, Add</i>	1,384.67	
		<i>For Class 56 Rating, Add</i>	1,838.95	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,984.21	1,124.46
		<i>For Class 52 Rating, Deduct</i>	-690.85	
		<i>For Class 54 Rating, Add</i>	962.52	
		<i>For Class 55 Rating, Add</i>	1,441.44	
		<i>For Class 56 Rating, Add</i>	1,914.08	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,245.44	1,129.39
		<i>For Class 52 Rating, Deduct</i>	-718.77	
		<i>For Class 54 Rating, Add</i>	1,000.67	
		<i>For Class 55 Rating, Add</i>	1,498.20	
		<i>For Class 56 Rating, Add</i>	1,989.20	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,506.64	1,134.31
		<i>For Class 52 Rating, Deduct</i>	-746.68	
		<i>For Class 54 Rating, Add</i>	1,038.82	
		<i>For Class 55 Rating, Add</i>	1,554.97	
		<i>For Class 56 Rating, Add</i>	2,064.33	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,767.86	1,139.23
		<i>For Class 52 Rating, Deduct</i>	-774.59	
		<i>For Class 54 Rating, Add</i>	1,076.98	
		<i>For Class 55 Rating, Add</i>	1,611.74	
		<i>For Class 56 Rating, Add</i>	2,139.46	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,029.08	1,144.16
		<i>For Class 52 Rating, Deduct</i>	-802.51	
		<i>For Class 54 Rating, Add</i>	1,115.13	
		<i>For Class 55 Rating, Add</i>	1,668.50	
		<i>For Class 56 Rating, Add</i>	2,214.58	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,290.29	1,149.08
		<i>For Class 52 Rating, Deduct</i>	-830.42	
		<i>For Class 54 Rating, Add</i>	1,153.28	
		<i>For Class 55 Rating, Add</i>	1,725.27	
		<i>For Class 56 Rating, Add</i>	2,289.71	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,551.51	1,154.01
		<i>For Class 52 Rating, Deduct</i>	-858.33	
		<i>For Class 54 Rating, Add</i>	1,191.43	
		<i>For Class 55 Rating, Add</i>	1,782.04	
		<i>For Class 56 Rating, Add</i>	2,364.84	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,812.73	1,158.92
		<i>For Class 52 Rating, Deduct</i>	-886.25	
		<i>For Class 54 Rating, Add</i>	1,229.59	
		<i>For Class 55 Rating, Add</i>	1,838.80	
		<i>For Class 56 Rating, Add</i>	2,439.96	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,073.95	1,163.85
		<i>For Class 52 Rating, Deduct</i>	-914.16	
		<i>For Class 54 Rating, Add</i>	1,267.74	
		<i>For Class 55 Rating, Add</i>	1,895.57	
		<i>For Class 56 Rating, Add</i>	2,515.09	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,335.16	1,168.77
		<i>For Class 52 Rating, Deduct</i>	-942.07	
		<i>For Class 54 Rating, Add</i>	1,305.89	
		<i>For Class 55 Rating, Add</i>	1,952.34	
		<i>For Class 56 Rating, Add</i>	2,590.22	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,596.38	1,173.70
		<i>For Class 52 Rating, Deduct</i>	-969.99	
		<i>For Class 54 Rating, Add</i>	1,344.05	
		<i>For Class 55 Rating, Add</i>	2,009.11	
		<i>For Class 56 Rating, Add</i>	2,665.34	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,857.59	1,178.62
		<i>For Class 52 Rating, Deduct</i>	-997.90	
		<i>For Class 54 Rating, Add</i>	1,382.20	
		<i>For Class 55 Rating, Add</i>	2,065.87	
		<i>For Class 56 Rating, Add</i>	2,740.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,118.81	1,183.54
<i>For Class 52 Rating, Deduct</i>	-1,025.81	
<i>For Class 54 Rating, Add</i>	1,420.35	
<i>For Class 55 Rating, Add</i>	2,122.64	
<i>For Class 56 Rating, Add</i>	2,815.60	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,380.02	1,188.47
<i>For Class 52 Rating, Deduct</i>	-1,053.73	
<i>For Class 54 Rating, Add</i>	1,458.51	
<i>For Class 55 Rating, Add</i>	2,179.41	
<i>For Class 56 Rating, Add</i>	2,890.72	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,641.25	1,193.38
<i>For Class 52 Rating, Deduct</i>	-1,081.64	
<i>For Class 54 Rating, Add</i>	1,496.66	
<i>For Class 55 Rating, Add</i>	2,236.17	
<i>For Class 56 Rating, Add</i>	2,965.85	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,902.46	1,198.31
<i>For Class 52 Rating, Deduct</i>	-1,109.55	
<i>For Class 54 Rating, Add</i>	1,534.81	
<i>For Class 55 Rating, Add</i>	2,292.94	
<i>For Class 56 Rating, Add</i>	3,040.98	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,163.67	1,203.24
<i>For Class 52 Rating, Deduct</i>	-1,137.46	
<i>For Class 54 Rating, Add</i>	1,572.97	
<i>For Class 55 Rating, Add</i>	2,349.71	
<i>For Class 56 Rating, Add</i>	3,116.10	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,424.90	1,208.16
<i>For Class 52 Rating, Deduct</i>	-1,165.38	
<i>For Class 54 Rating, Add</i>	1,611.12	
<i>For Class 55 Rating, Add</i>	2,406.47	
<i>For Class 56 Rating, Add</i>	3,191.23	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,686.10	1,213.08
<i>For Class 52 Rating, Deduct</i>	-1,193.29	
<i>For Class 54 Rating, Add</i>	1,649.27	
<i>For Class 55 Rating, Add</i>	2,463.24	
<i>For Class 56 Rating, Add</i>	3,266.36	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,947.33	1,218.00
<i>For Class 52 Rating, Deduct</i>	-1,221.20	
<i>For Class 54 Rating, Add</i>	1,687.42	
<i>For Class 55 Rating, Add</i>	2,520.01	
<i>For Class 56 Rating, Add</i>	3,341.49	
40 05 19 00-0314 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,208.54	1,222.93
<i>For Class 52 Rating, Deduct</i>	-1,249.12	
<i>For Class 54 Rating, Add</i>	1,725.58	
<i>For Class 55 Rating, Add</i>	2,576.77	
<i>For Class 56 Rating, Add</i>	3,416.61	
40 05 19 00-0315 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,469.75	1,227.86
<i>For Class 52 Rating, Deduct</i>	-1,277.03	
<i>For Class 54 Rating, Add</i>	1,763.73	
<i>For Class 55 Rating, Add</i>	2,633.54	
<i>For Class 56 Rating, Add</i>	3,491.74	
40 05 19 00-0316 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,730.98	1,232.77
<i>For Class 52 Rating, Deduct</i>	-1,304.94	
<i>For Class 54 Rating, Add</i>	1,801.88	
<i>For Class 55 Rating, Add</i>	2,690.31	
<i>For Class 56 Rating, Add</i>	3,566.87	
40 05 19 00-0317 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,992.19	1,237.70
<i>For Class 52 Rating, Deduct</i>	-1,332.86	
<i>For Class 54 Rating, Add</i>	1,840.04	
<i>For Class 55 Rating, Add</i>	2,747.07	
<i>For Class 56 Rating, Add</i>	3,641.99	
40 05 19 00-0318 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,253.40	1,242.62
<i>For Class 52 Rating, Deduct</i>	-1,360.77	
<i>For Class 54 Rating, Add</i>	1,878.19	
<i>For Class 55 Rating, Add</i>	2,803.84	
<i>For Class 56 Rating, Add</i>	3,717.12	
40 05 19 00-0319 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,514.62	1,247.55
<i>For Class 52 Rating, Deduct</i>	-1,388.68	
<i>For Class 54 Rating, Add</i>	1,916.34	
<i>For Class 55 Rating, Add</i>	2,860.61	
<i>For Class 56 Rating, Add</i>	3,792.25	
40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,667.86	1,216.04
<i>For Class 52 Rating, Deduct</i>	-420.79	
<i>For Class 54 Rating, Add</i>	595.92	
<i>For Class 55 Rating, Add</i>	897.28	
<i>For Class 56 Rating, Add</i>	1,194.82	
40 05 19 00-0322 EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,967.14	1,220.96
<i>For Class 52 Rating, Deduct</i>	-452.89	
<i>For Class 54 Rating, Add</i>	639.78	
<i>For Class 55 Rating, Add</i>	962.53	
<i>For Class 56 Rating, Add</i>	1,281.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,266.42	1,225.88
		<i>For Class 52 Rating, Deduct</i>	-484.99	
		<i>For Class 54 Rating, Add</i>	683.64	
		<i>For Class 55 Rating, Add</i>	1,027.79	
		<i>For Class 56 Rating, Add</i>	1,367.53	
40 05 19 00-0324	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,565.69	1,230.80
		<i>For Class 52 Rating, Deduct</i>	-517.09	
		<i>For Class 54 Rating, Add</i>	727.50	
		<i>For Class 55 Rating, Add</i>	1,093.04	
		<i>For Class 56 Rating, Add</i>	1,453.88	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,864.98	1,235.73
		<i>For Class 52 Rating, Deduct</i>	-549.19	
		<i>For Class 54 Rating, Add</i>	771.37	
		<i>For Class 55 Rating, Add</i>	1,158.30	
		<i>For Class 56 Rating, Add</i>	1,540.24	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,164.27	1,240.66
		<i>For Class 52 Rating, Deduct</i>	-581.29	
		<i>For Class 54 Rating, Add</i>	815.23	
		<i>For Class 55 Rating, Add</i>	1,223.56	
		<i>For Class 56 Rating, Add</i>	1,626.60	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,463.54	1,245.57
		<i>For Class 52 Rating, Deduct</i>	-613.39	
		<i>For Class 54 Rating, Add</i>	859.09	
		<i>For Class 55 Rating, Add</i>	1,288.81	
		<i>For Class 56 Rating, Add</i>	1,712.95	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,762.83	1,250.50
		<i>For Class 52 Rating, Deduct</i>	-645.49	
		<i>For Class 54 Rating, Add</i>	902.96	
		<i>For Class 55 Rating, Add</i>	1,354.07	
		<i>For Class 56 Rating, Add</i>	1,799.31	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,062.10	1,255.42
		<i>For Class 52 Rating, Deduct</i>	-677.59	
		<i>For Class 54 Rating, Add</i>	946.82	
		<i>For Class 55 Rating, Add</i>	1,419.32	
		<i>For Class 56 Rating, Add</i>	1,885.66	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,361.39	1,260.35
		<i>For Class 52 Rating, Deduct</i>	-709.69	
		<i>For Class 54 Rating, Add</i>	990.68	
		<i>For Class 55 Rating, Add</i>	1,484.58	
		<i>For Class 56 Rating, Add</i>	1,972.02	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,660.66	1,265.27
		<i>For Class 52 Rating, Deduct</i>	-741.79	
		<i>For Class 54 Rating, Add</i>	1,034.54	
		<i>For Class 55 Rating, Add</i>	1,549.83	
		<i>For Class 56 Rating, Add</i>	2,058.37	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,959.94	1,270.19
		<i>For Class 52 Rating, Deduct</i>	-773.90	
		<i>For Class 54 Rating, Add</i>	1,078.41	
		<i>For Class 55 Rating, Add</i>	1,615.09	
		<i>For Class 56 Rating, Add</i>	2,144.73	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,259.23	1,275.12
		<i>For Class 52 Rating, Deduct</i>	-806.00	
		<i>For Class 54 Rating, Add</i>	1,122.27	
		<i>For Class 55 Rating, Add</i>	1,680.34	
		<i>For Class 56 Rating, Add</i>	2,231.08	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,558.50	1,280.04
		<i>For Class 52 Rating, Deduct</i>	-838.10	
		<i>For Class 54 Rating, Add</i>	1,166.13	
		<i>For Class 55 Rating, Add</i>	1,745.59	
		<i>For Class 56 Rating, Add</i>	2,317.44	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,857.78	1,284.96
		<i>For Class 52 Rating, Deduct</i>	-870.20	
		<i>For Class 54 Rating, Add</i>	1,209.99	
		<i>For Class 55 Rating, Add</i>	1,810.85	
		<i>For Class 56 Rating, Add</i>	2,403.80	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,157.06	1,289.89
		<i>For Class 52 Rating, Deduct</i>	-902.30	
		<i>For Class 54 Rating, Add</i>	1,253.86	
		<i>For Class 55 Rating, Add</i>	1,876.10	
		<i>For Class 56 Rating, Add</i>	2,490.15	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,456.34	1,294.81
		<i>For Class 52 Rating, Deduct</i>	-934.40	
		<i>For Class 54 Rating, Add</i>	1,297.72	
		<i>For Class 55 Rating, Add</i>	1,941.36	
		<i>For Class 56 Rating, Add</i>	2,576.51	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,755.62	1,299.73
		<i>For Class 52 Rating, Deduct</i>	-966.50	
		<i>For Class 54 Rating, Add</i>	1,341.58	
		<i>For Class 55 Rating, Add</i>	2,006.61	
		<i>For Class 56 Rating, Add</i>	2,662.86	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,054.90	1,304.65
		<i>For Class 52 Rating, Deduct</i>	-998.60	
		<i>For Class 54 Rating, Add</i>	1,385.44	
		<i>For Class 55 Rating, Add</i>	2,071.87	
		<i>For Class 56 Rating, Add</i>	2,749.22	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,354.18	1,309.58
<i>For Class 52 Rating, Deduct</i>	-1,030.70	
<i>For Class 54 Rating, Add</i>	1,429.31	
<i>For Class 55 Rating, Add</i>	2,137.12	
<i>For Class 56 Rating, Add</i>	2,835.57	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,653.46	1,314.50
<i>For Class 52 Rating, Deduct</i>	-1,062.80	
<i>For Class 54 Rating, Add</i>	1,473.17	
<i>For Class 55 Rating, Add</i>	2,202.38	
<i>For Class 56 Rating, Add</i>	2,921.93	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,952.74	1,319.42
<i>For Class 52 Rating, Deduct</i>	-1,094.90	
<i>For Class 54 Rating, Add</i>	1,517.03	
<i>For Class 55 Rating, Add</i>	2,267.63	
<i>For Class 56 Rating, Add</i>	3,008.28	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,252.01	1,324.35
<i>For Class 52 Rating, Deduct</i>	-1,127.00	
<i>For Class 54 Rating, Add</i>	1,560.89	
<i>For Class 55 Rating, Add</i>	2,332.89	
<i>For Class 56 Rating, Add</i>	3,094.64	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,551.30	1,329.27
<i>For Class 52 Rating, Deduct</i>	-1,159.10	
<i>For Class 54 Rating, Add</i>	1,604.76	
<i>For Class 55 Rating, Add</i>	2,398.14	
<i>For Class 56 Rating, Add</i>	3,180.99	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,850.57	1,334.20
<i>For Class 52 Rating, Deduct</i>	-1,191.20	
<i>For Class 54 Rating, Add</i>	1,648.62	
<i>For Class 55 Rating, Add</i>	2,463.40	
<i>For Class 56 Rating, Add</i>	3,267.35	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,149.86	1,339.11
<i>For Class 52 Rating, Deduct</i>	-1,223.30	
<i>For Class 54 Rating, Add</i>	1,692.48	
<i>For Class 55 Rating, Add</i>	2,528.65	
<i>For Class 56 Rating, Add</i>	3,353.71	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,449.14	1,344.04
<i>For Class 52 Rating, Deduct</i>	-1,255.40	
<i>For Class 54 Rating, Add</i>	1,736.34	
<i>For Class 55 Rating, Add</i>	2,593.91	
<i>For Class 56 Rating, Add</i>	3,440.06	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,748.41	1,348.97
<i>For Class 52 Rating, Deduct</i>	-1,287.50	
<i>For Class 54 Rating, Add</i>	1,780.21	
<i>For Class 55 Rating, Add</i>	2,659.16	
<i>For Class 56 Rating, Add</i>	3,526.42	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,047.70	1,353.88
<i>For Class 52 Rating, Deduct</i>	-1,319.60	
<i>For Class 54 Rating, Add</i>	1,824.07	
<i>For Class 55 Rating, Add</i>	2,724.42	
<i>For Class 56 Rating, Add</i>	3,612.77	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,346.97	1,358.81
<i>For Class 52 Rating, Deduct</i>	-1,351.70	
<i>For Class 54 Rating, Add</i>	1,867.93	
<i>For Class 55 Rating, Add</i>	2,789.67	
<i>For Class 56 Rating, Add</i>	3,699.13	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,646.25	1,363.73
<i>For Class 52 Rating, Deduct</i>	-1,383.80	
<i>For Class 54 Rating, Add</i>	1,911.79	
<i>For Class 55 Rating, Add</i>	2,854.93	
<i>For Class 56 Rating, Add</i>	3,785.48	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,945.53	1,368.66
<i>For Class 52 Rating, Deduct</i>	-1,415.90	
<i>For Class 54 Rating, Add</i>	1,955.66	
<i>For Class 55 Rating, Add</i>	2,920.18	
<i>For Class 56 Rating, Add</i>	3,871.84	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,244.81	1,373.58
<i>For Class 52 Rating, Deduct</i>	-1,448.00	
<i>For Class 54 Rating, Add</i>	1,999.52	
<i>For Class 55 Rating, Add</i>	2,985.44	
<i>For Class 56 Rating, Add</i>	3,958.19	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,543.09	1,378.50
<i>For Class 52 Rating, Deduct</i>	-1,480.10	
<i>For Class 54 Rating, Add</i>	2,043.38	
<i>For Class 55 Rating, Add</i>	3,050.69	
<i>For Class 56 Rating, Add</i>	4,044.55	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,843.37	1,383.43
<i>For Class 52 Rating, Deduct</i>	-1,512.20	
<i>For Class 54 Rating, Add</i>	2,087.24	
<i>For Class 55 Rating, Add</i>	3,115.95	
<i>For Class 56 Rating, Add</i>	4,130.90	
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,142.66	1,388.35
<i>For Class 52 Rating, Deduct</i>	-1,544.30	
<i>For Class 54 Rating, Add</i>	2,131.11	
<i>For Class 55 Rating, Add</i>	3,181.20	
<i>For Class 56 Rating, Add</i>	4,217.26	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,441.94	1,393.27
For Class 52 Rating, Deduct	-1,576.40	
For Class 54 Rating, Add	2,174.97	
For Class 55 Rating, Add	3,246.46	
For Class 56 Rating, Add	4,303.62	
40 05 19 00-0358 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,741.22	1,398.20
For Class 52 Rating, Deduct	-1,608.50	
For Class 54 Rating, Add	2,218.83	
For Class 55 Rating, Add	3,311.71	
For Class 56 Rating, Add	4,389.97	
40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,953.01	1,437.58
For Class 52 Rating, Deduct	-525.23	
For Class 54 Rating, Add	742.37	
For Class 55 Rating, Add	1,117.07	
For Class 56 Rating, Add	1,487.00	
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,322.07	1,442.51
For Class 52 Rating, Deduct	-565.01	
For Class 54 Rating, Add	796.70	
For Class 55 Rating, Add	1,197.89	
For Class 56 Rating, Add	1,593.94	
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,691.13	1,447.42
For Class 52 Rating, Deduct	-604.79	
For Class 54 Rating, Add	851.03	
For Class 55 Rating, Add	1,278.70	
For Class 56 Rating, Add	1,700.88	
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,060.20	1,452.35
For Class 52 Rating, Deduct	-644.56	
For Class 54 Rating, Add	905.36	
For Class 55 Rating, Add	1,359.52	
For Class 56 Rating, Add	1,807.82	
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,429.27	1,457.28
For Class 52 Rating, Deduct	-684.34	
For Class 54 Rating, Add	959.69	
For Class 55 Rating, Add	1,440.34	
For Class 56 Rating, Add	1,914.76	
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,798.32	1,462.19
For Class 52 Rating, Deduct	-724.12	
For Class 54 Rating, Add	1,014.02	
For Class 55 Rating, Add	1,521.15	
For Class 56 Rating, Add	2,021.70	
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,167.39	1,467.12
For Class 52 Rating, Deduct	-763.89	
For Class 54 Rating, Add	1,068.35	
For Class 55 Rating, Add	1,601.97	
For Class 56 Rating, Add	2,128.65	
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,536.45	1,472.04
For Class 52 Rating, Deduct	-803.67	
For Class 54 Rating, Add	1,122.68	
For Class 55 Rating, Add	1,682.78	
For Class 56 Rating, Add	2,235.59	
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,905.51	1,476.97
For Class 52 Rating, Deduct	-843.44	
For Class 54 Rating, Add	1,177.01	
For Class 55 Rating, Add	1,763.60	
For Class 56 Rating, Add	2,342.53	
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,274.58	1,481.89
For Class 52 Rating, Deduct	-883.22	
For Class 54 Rating, Add	1,231.34	
For Class 55 Rating, Add	1,844.42	
For Class 56 Rating, Add	2,449.47	
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,643.64	1,486.81
For Class 52 Rating, Deduct	-923.00	
For Class 54 Rating, Add	1,285.67	
For Class 55 Rating, Add	1,925.23	
For Class 56 Rating, Add	2,556.41	
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,012.70	1,491.74
For Class 52 Rating, Deduct	-962.78	
For Class 54 Rating, Add	1,340.00	
For Class 55 Rating, Add	2,006.05	
For Class 56 Rating, Add	2,663.35	
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,381.77	1,496.66
For Class 52 Rating, Deduct	-1,002.55	
For Class 54 Rating, Add	1,394.33	
For Class 55 Rating, Add	2,086.87	
For Class 56 Rating, Add	2,770.30	
40 05 19 00-0373 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,750.83	1,501.58
For Class 52 Rating, Deduct	-1,042.33	
For Class 54 Rating, Add	1,448.66	
For Class 55 Rating, Add	2,167.68	
For Class 56 Rating, Add	2,877.24	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,119.89	1,506.51
<i>For Class 52 Rating, Deduct</i>	-1,082.10	
<i>For Class 54 Rating, Add</i>	1,502.99	
<i>For Class 55 Rating, Add</i>	2,248.50	
<i>For Class 56 Rating, Add</i>	2,984.18	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,488.96	1,511.43
<i>For Class 52 Rating, Deduct</i>	-1,121.88	
<i>For Class 54 Rating, Add</i>	1,557.32	
<i>For Class 55 Rating, Add</i>	2,329.32	
<i>For Class 56 Rating, Add</i>	3,091.12	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,858.01	1,516.36
<i>For Class 52 Rating, Deduct</i>	-1,161.66	
<i>For Class 54 Rating, Add</i>	1,611.65	
<i>For Class 55 Rating, Add</i>	2,410.13	
<i>For Class 56 Rating, Add</i>	3,198.06	
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,227.09	1,521.27
<i>For Class 52 Rating, Deduct</i>	-1,201.43	
<i>For Class 54 Rating, Add</i>	1,665.98	
<i>For Class 55 Rating, Add</i>	2,490.95	
<i>For Class 56 Rating, Add</i>	3,305.00	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,596.14	1,526.20
<i>For Class 52 Rating, Deduct</i>	-1,241.21	
<i>For Class 54 Rating, Add</i>	1,720.31	
<i>For Class 55 Rating, Add</i>	2,571.77	
<i>For Class 56 Rating, Add</i>	3,411.94	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,965.20	1,531.13
<i>For Class 52 Rating, Deduct</i>	-1,280.99	
<i>For Class 54 Rating, Add</i>	1,774.64	
<i>For Class 55 Rating, Add</i>	2,652.58	
<i>For Class 56 Rating, Add</i>	3,518.89	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,334.28	1,536.04
<i>For Class 52 Rating, Deduct</i>	-1,320.76	
<i>For Class 54 Rating, Add</i>	1,828.97	
<i>For Class 55 Rating, Add</i>	2,733.40	
<i>For Class 56 Rating, Add</i>	3,625.83	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,703.33	1,540.97
<i>For Class 52 Rating, Deduct</i>	-1,360.54	
<i>For Class 54 Rating, Add</i>	1,883.30	
<i>For Class 55 Rating, Add</i>	2,814.22	
<i>For Class 56 Rating, Add</i>	3,732.77	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,072.39	1,545.89
<i>For Class 52 Rating, Deduct</i>	-1,400.31	
<i>For Class 54 Rating, Add</i>	1,937.63	
<i>For Class 55 Rating, Add</i>	2,895.03	
<i>For Class 56 Rating, Add</i>	3,839.71	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,441.46	1,550.82
<i>For Class 52 Rating, Deduct</i>	-1,440.09	
<i>For Class 54 Rating, Add</i>	1,991.96	
<i>For Class 55 Rating, Add</i>	2,975.85	
<i>For Class 56 Rating, Add</i>	3,946.65	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,810.52	1,555.74
<i>For Class 52 Rating, Deduct</i>	-1,479.87	
<i>For Class 54 Rating, Add</i>	2,046.29	
<i>For Class 55 Rating, Add</i>	3,056.67	
<i>For Class 56 Rating, Add</i>	4,053.59	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,179.58	1,560.66
<i>For Class 52 Rating, Deduct</i>	-1,519.64	
<i>For Class 54 Rating, Add</i>	2,100.62	
<i>For Class 55 Rating, Add</i>	3,137.48	
<i>For Class 56 Rating, Add</i>	4,160.53	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,548.65	1,565.59
<i>For Class 52 Rating, Deduct</i>	-1,559.42	
<i>For Class 54 Rating, Add</i>	2,154.95	
<i>For Class 55 Rating, Add</i>	3,218.30	
<i>For Class 56 Rating, Add</i>	4,267.48	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,917.71	1,570.51
<i>For Class 52 Rating, Deduct</i>	-1,599.20	
<i>For Class 54 Rating, Add</i>	2,209.28	
<i>For Class 55 Rating, Add</i>	3,299.12	
<i>For Class 56 Rating, Add</i>	4,374.42	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,286.77	1,575.43
<i>For Class 52 Rating, Deduct</i>	-1,638.97	
<i>For Class 54 Rating, Add</i>	2,263.61	
<i>For Class 55 Rating, Add</i>	3,379.93	
<i>For Class 56 Rating, Add</i>	4,481.36	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,282.64	1,664.05
<i>For Class 52 Rating, Deduct</i>	-1,678.75	
<i>For Class 54 Rating, Add</i>	2,319.46	
<i>For Class 55 Rating, Add</i>	3,463.79	
<i>For Class 56 Rating, Add</i>	4,592.87	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,151.71	1,668.97
<i>For Class 52 Rating, Deduct</i>	-1,718.53	
<i>For Class 54 Rating, Add</i>	2,373.79	
<i>For Class 55 Rating, Add</i>	3,544.61	
<i>For Class 56 Rating, Add</i>	4,699.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,520.76	1,673.90
		<i>For Class 52 Rating, Deduct</i>	-1,758.30	
		<i>For Class 54 Rating, Add</i>	2,428.12	
		<i>For Class 55 Rating, Add</i>	3,625.43	
		<i>For Class 56 Rating, Add</i>	4,806.75	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,889.84	1,678.82
		<i>For Class 52 Rating, Deduct</i>	-1,798.08	
		<i>For Class 54 Rating, Add</i>	2,482.45	
		<i>For Class 55 Rating, Add</i>	3,706.24	
		<i>For Class 56 Rating, Add</i>	4,913.69	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,258.90	1,683.74
		<i>For Class 52 Rating, Deduct</i>	-1,837.85	
		<i>For Class 54 Rating, Add</i>	2,536.78	
		<i>For Class 55 Rating, Add</i>	3,787.06	
		<i>For Class 56 Rating, Add</i>	5,020.63	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,627.95	1,688.67
		<i>For Class 52 Rating, Deduct</i>	-1,877.63	
		<i>For Class 54 Rating, Add</i>	2,591.11	
		<i>For Class 55 Rating, Add</i>	3,867.88	
		<i>For Class 56 Rating, Add</i>	5,127.57	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,997.03	1,693.59
		<i>For Class 52 Rating, Deduct</i>	-1,917.41	
		<i>For Class 54 Rating, Add</i>	2,645.44	
		<i>For Class 55 Rating, Add</i>	3,948.69	
		<i>For Class 56 Rating, Add</i>	5,234.52	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,366.08	1,698.51
		<i>For Class 52 Rating, Deduct</i>	-1,957.18	
		<i>For Class 54 Rating, Add</i>	2,699.77	
		<i>For Class 55 Rating, Add</i>	4,029.51	
		<i>For Class 56 Rating, Add</i>	5,341.46	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,735.14	1,703.43
		<i>For Class 52 Rating, Deduct</i>	-1,996.96	
		<i>For Class 54 Rating, Add</i>	2,754.10	
		<i>For Class 55 Rating, Add</i>	4,110.33	
		<i>For Class 56 Rating, Add</i>	5,448.40	
40 05 19 00-0398		30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,664.84	2,028.37
		<i>For Class 52 Rating, Deduct</i>	-835.07	
		<i>For Class 54 Rating, Add</i>	1,175.61	
		<i>For Class 55 Rating, Add</i>	1,766.68	
		<i>For Class 56 Rating, Add</i>	2,350.15	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,194.62	2,033.29
		<i>For Class 52 Rating, Deduct</i>	-892.53	
		<i>For Class 54 Rating, Add</i>	1,254.05	
		<i>For Class 55 Rating, Add</i>	1,883.33	
		<i>For Class 56 Rating, Add</i>	2,504.50	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,724.39	2,038.22
		<i>For Class 52 Rating, Deduct</i>	-949.98	
		<i>For Class 54 Rating, Add</i>	1,332.49	
		<i>For Class 55 Rating, Add</i>	1,999.99	
		<i>For Class 56 Rating, Add</i>	2,658.85	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,254.18	2,043.14
		<i>For Class 52 Rating, Deduct</i>	-1,007.44	
		<i>For Class 54 Rating, Add</i>	1,410.92	
		<i>For Class 55 Rating, Add</i>	2,116.64	
		<i>For Class 56 Rating, Add</i>	2,813.20	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,783.94	2,048.06
		<i>For Class 52 Rating, Deduct</i>	-1,064.89	
		<i>For Class 54 Rating, Add</i>	1,489.36	
		<i>For Class 55 Rating, Add</i>	2,233.30	
		<i>For Class 56 Rating, Add</i>	2,967.55	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,313.72	2,052.98
		<i>For Class 52 Rating, Deduct</i>	-1,122.35	
		<i>For Class 54 Rating, Add</i>	1,567.80	
		<i>For Class 55 Rating, Add</i>	2,349.95	
		<i>For Class 56 Rating, Add</i>	3,121.91	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,843.50	2,057.91
		<i>For Class 52 Rating, Deduct</i>	-1,179.80	
		<i>For Class 54 Rating, Add</i>	1,646.23	
		<i>For Class 55 Rating, Add</i>	2,466.61	
		<i>For Class 56 Rating, Add</i>	3,276.26	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,373.27	2,062.83
		<i>For Class 52 Rating, Deduct</i>	-1,237.25	
		<i>For Class 54 Rating, Add</i>	1,724.67	
		<i>For Class 55 Rating, Add</i>	2,583.26	
		<i>For Class 56 Rating, Add</i>	3,430.61	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,903.05	2,067.75
		<i>For Class 52 Rating, Deduct</i>	-1,294.71	
		<i>For Class 54 Rating, Add</i>	1,803.11	
		<i>For Class 55 Rating, Add</i>	2,699.92	
		<i>For Class 56 Rating, Add</i>	3,584.96	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,432.82	2,072.68
<i>For Class 52 Rating, Deduct</i>	-1,352.16	
<i>For Class 54 Rating, Add</i>	1,881.55	
<i>For Class 55 Rating, Add</i>	2,816.58	
<i>For Class 56 Rating, Add</i>	3,739.31	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,962.60	2,077.60
<i>For Class 52 Rating, Deduct</i>	-1,409.62	
<i>For Class 54 Rating, Add</i>	1,959.98	
<i>For Class 55 Rating, Add</i>	2,933.23	
<i>For Class 56 Rating, Add</i>	3,893.67	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,492.37	2,082.52
<i>For Class 52 Rating, Deduct</i>	-1,467.07	
<i>For Class 54 Rating, Add</i>	2,038.42	
<i>For Class 55 Rating, Add</i>	3,049.89	
<i>For Class 56 Rating, Add</i>	4,048.02	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,022.15	2,087.45
<i>For Class 52 Rating, Deduct</i>	-1,524.53	
<i>For Class 54 Rating, Add</i>	2,116.86	
<i>For Class 55 Rating, Add</i>	3,166.54	
<i>For Class 56 Rating, Add</i>	4,202.37	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,551.93	2,092.37
<i>For Class 52 Rating, Deduct</i>	-1,581.98	
<i>For Class 54 Rating, Add</i>	2,195.29	
<i>For Class 55 Rating, Add</i>	3,283.20	
<i>For Class 56 Rating, Add</i>	4,356.72	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,081.70	2,097.30
<i>For Class 52 Rating, Deduct</i>	-1,639.44	
<i>For Class 54 Rating, Add</i>	2,273.73	
<i>For Class 55 Rating, Add</i>	3,399.85	
<i>For Class 56 Rating, Add</i>	4,511.07	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,611.48	2,102.21
<i>For Class 52 Rating, Deduct</i>	-1,696.89	
<i>For Class 54 Rating, Add</i>	2,352.17	
<i>For Class 55 Rating, Add</i>	3,516.51	
<i>For Class 56 Rating, Add</i>	4,665.42	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,141.24	2,107.14
<i>For Class 52 Rating, Deduct</i>	-1,754.35	
<i>For Class 54 Rating, Add</i>	2,430.60	
<i>For Class 55 Rating, Add</i>	3,633.16	
<i>For Class 56 Rating, Add</i>	4,819.77	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,671.03	2,112.07
<i>For Class 52 Rating, Deduct</i>	-1,811.80	
<i>For Class 54 Rating, Add</i>	2,509.04	
<i>For Class 55 Rating, Add</i>	3,749.82	
<i>For Class 56 Rating, Add</i>	4,974.13	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,200.80	2,116.98
<i>For Class 52 Rating, Deduct</i>	-1,869.26	
<i>For Class 54 Rating, Add</i>	2,587.48	
<i>For Class 55 Rating, Add</i>	3,866.48	
<i>For Class 56 Rating, Add</i>	5,128.48	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,730.58	2,121.91
<i>For Class 52 Rating, Deduct</i>	-1,926.71	
<i>For Class 54 Rating, Add</i>	2,665.91	
<i>For Class 55 Rating, Add</i>	3,983.13	
<i>For Class 56 Rating, Add</i>	5,282.83	
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,260.35	2,126.83
<i>For Class 52 Rating, Deduct</i>	-1,984.17	
<i>For Class 54 Rating, Add</i>	2,744.35	
<i>For Class 55 Rating, Add</i>	4,099.79	
<i>For Class 56 Rating, Add</i>	5,437.18	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,790.13	2,131.76
<i>For Class 52 Rating, Deduct</i>	-2,041.62	
<i>For Class 54 Rating, Add</i>	2,822.79	
<i>For Class 55 Rating, Add</i>	4,216.44	
<i>For Class 56 Rating, Add</i>	5,591.54	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,319.91	2,136.68
<i>For Class 52 Rating, Deduct</i>	-2,099.08	
<i>For Class 54 Rating, Add</i>	2,901.23	
<i>For Class 55 Rating, Add</i>	4,333.10	
<i>For Class 56 Rating, Add</i>	5,745.89	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,849.68	2,141.60
<i>For Class 52 Rating, Deduct</i>	-2,156.53	
<i>For Class 54 Rating, Add</i>	2,979.66	
<i>For Class 55 Rating, Add</i>	4,449.75	
<i>For Class 56 Rating, Add</i>	5,900.24	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,379.34	2,146.53
<i>For Class 52 Rating, Deduct</i>	-2,213.75	
<i>For Class 54 Rating, Add</i>	3,057.78	
<i>For Class 55 Rating, Add</i>	4,565.94	
<i>For Class 56 Rating, Add</i>	6,053.97	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,909.23	2,151.45
<i>For Class 52 Rating, Deduct</i>	-2,271.44	
<i>For Class 54 Rating, Add</i>	3,136.54	
<i>For Class 55 Rating, Add</i>	4,683.06	
<i>For Class 56 Rating, Add</i>	6,208.94	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,439.01	2,156.37
		<i>For Class 52 Rating, Deduct</i>	-2,328.90	
		<i>For Class 54 Rating, Add</i>	3,214.97	
		<i>For Class 55 Rating, Add</i>	4,799.72	
		<i>For Class 56 Rating, Add</i>	6,363.30	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,968.78	2,161.30
		<i>For Class 52 Rating, Deduct</i>	-2,386.35	
		<i>For Class 54 Rating, Add</i>	3,293.41	
		<i>For Class 55 Rating, Add</i>	4,916.37	
		<i>For Class 56 Rating, Add</i>	6,517.65	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,498.56	2,166.22
		<i>For Class 52 Rating, Deduct</i>	-2,443.81	
		<i>For Class 54 Rating, Add</i>	3,371.85	
		<i>For Class 55 Rating, Add</i>	5,033.03	
		<i>For Class 56 Rating, Add</i>	6,672.00	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,028.33	2,171.14
		<i>For Class 52 Rating, Deduct</i>	-2,501.26	
		<i>For Class 54 Rating, Add</i>	3,450.28	
		<i>For Class 55 Rating, Add</i>	5,149.69	
		<i>For Class 56 Rating, Add</i>	6,826.35	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,558.11	2,176.06
		<i>For Class 52 Rating, Deduct</i>	-2,558.71	
		<i>For Class 54 Rating, Add</i>	3,528.72	
		<i>For Class 55 Rating, Add</i>	5,266.34	
		<i>For Class 56 Rating, Add</i>	6,980.70	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,087.89	2,180.99
		<i>For Class 52 Rating, Deduct</i>	-2,616.17	
		<i>For Class 54 Rating, Add</i>	3,607.16	
		<i>For Class 55 Rating, Add</i>	5,383.00	
		<i>For Class 56 Rating, Add</i>	7,135.05	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,617.65	2,185.92
		<i>For Class 52 Rating, Deduct</i>	-2,673.62	
		<i>For Class 54 Rating, Add</i>	3,685.59	
		<i>For Class 55 Rating, Add</i>	5,499.65	
		<i>For Class 56 Rating, Add</i>	7,289.40	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,147.44	2,190.83
		<i>For Class 52 Rating, Deduct</i>	-2,731.08	
		<i>For Class 54 Rating, Add</i>	3,764.03	
		<i>For Class 55 Rating, Add</i>	5,616.31	
		<i>For Class 56 Rating, Add</i>	7,443.76	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,677.20	2,195.76
		<i>For Class 52 Rating, Deduct</i>	-2,788.53	
		<i>For Class 54 Rating, Add</i>	3,842.47	
		<i>For Class 55 Rating, Add</i>	5,732.96	
		<i>For Class 56 Rating, Add</i>	7,598.11	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,206.99	2,200.68
		<i>For Class 52 Rating, Deduct</i>	-2,845.99	
		<i>For Class 54 Rating, Add</i>	3,920.91	
		<i>For Class 55 Rating, Add</i>	5,849.62	
		<i>For Class 56 Rating, Add</i>	7,752.46	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,736.77	2,205.61
		<i>For Class 52 Rating, Deduct</i>	-2,903.44	
		<i>For Class 54 Rating, Add</i>	3,999.34	
		<i>For Class 55 Rating, Add</i>	5,966.28	
		<i>For Class 56 Rating, Add</i>	7,906.81	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,266.53	2,210.52
		<i>For Class 52 Rating, Deduct</i>	-2,960.90	
		<i>For Class 54 Rating, Add</i>	4,077.78	
		<i>For Class 55 Rating, Add</i>	6,082.93	
		<i>For Class 56 Rating, Add</i>	8,061.16	
40 05 19 00-0437		36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,756.73	2,569.92
		<i>For Class 52 Rating, Deduct</i>	-1,194.92	
		<i>For Class 54 Rating, Add</i>	1,676.16	
		<i>For Class 55 Rating, Add</i>	2,515.88	
		<i>For Class 56 Rating, Add</i>	3,344.74	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,474.70	2,574.84
		<i>For Class 52 Rating, Deduct</i>	-1,273.08	
		<i>For Class 54 Rating, Add</i>	1,782.83	
		<i>For Class 55 Rating, Add</i>	2,674.50	
		<i>For Class 56 Rating, Add</i>	3,554.60	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,192.69	2,579.77
		<i>For Class 52 Rating, Deduct</i>	-1,351.23	
		<i>For Class 54 Rating, Add</i>	1,889.50	
		<i>For Class 55 Rating, Add</i>	2,833.13	
		<i>For Class 56 Rating, Add</i>	3,764.48	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,910.66	2,584.70
		<i>For Class 52 Rating, Deduct</i>	-1,429.39	
		<i>For Class 54 Rating, Add</i>	1,996.16	
		<i>For Class 55 Rating, Add</i>	2,991.75	
		<i>For Class 56 Rating, Add</i>	3,974.35	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,628.64	2,589.61
<i>For Class 52 Rating, Deduct</i>	-1,507.55	
<i>For Class 54 Rating, Add</i>	2,102.83	
<i>For Class 55 Rating, Add</i>	3,150.38	
<i>For Class 56 Rating, Add</i>	4,184.22	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,346.62	2,594.54
<i>For Class 52 Rating, Deduct</i>	-1,585.71	
<i>For Class 54 Rating, Add</i>	2,209.50	
<i>For Class 55 Rating, Add</i>	3,309.00	
<i>For Class 56 Rating, Add</i>	4,394.09	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,064.60	2,599.46
<i>For Class 52 Rating, Deduct</i>	-1,663.86	
<i>For Class 54 Rating, Add</i>	2,316.17	
<i>For Class 55 Rating, Add</i>	3,467.63	
<i>For Class 56 Rating, Add</i>	4,603.96	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,782.58	2,604.39
<i>For Class 52 Rating, Deduct</i>	-1,742.02	
<i>For Class 54 Rating, Add</i>	2,422.83	
<i>For Class 55 Rating, Add</i>	3,626.25	
<i>For Class 56 Rating, Add</i>	4,813.84	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,500.56	2,609.31
<i>For Class 52 Rating, Deduct</i>	-1,820.18	
<i>For Class 54 Rating, Add</i>	2,529.50	
<i>For Class 55 Rating, Add</i>	3,784.88	
<i>For Class 56 Rating, Add</i>	5,023.71	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,218.54	2,614.23
<i>For Class 52 Rating, Deduct</i>	-1,898.33	
<i>For Class 54 Rating, Add</i>	2,636.17	
<i>For Class 55 Rating, Add</i>	3,943.50	
<i>For Class 56 Rating, Add</i>	5,233.58	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,936.52	2,619.16
<i>For Class 52 Rating, Deduct</i>	-1,976.49	
<i>For Class 54 Rating, Add</i>	2,742.84	
<i>For Class 55 Rating, Add</i>	4,102.13	
<i>For Class 56 Rating, Add</i>	5,443.45	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,654.50	2,624.08
<i>For Class 52 Rating, Deduct</i>	-2,054.65	
<i>For Class 54 Rating, Add</i>	2,849.50	
<i>For Class 55 Rating, Add</i>	4,260.75	
<i>For Class 56 Rating, Add</i>	5,653.32	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,372.46	2,629.00
<i>For Class 52 Rating, Deduct</i>	-2,132.80	
<i>For Class 54 Rating, Add</i>	2,956.17	
<i>For Class 55 Rating, Add</i>	4,419.38	
<i>For Class 56 Rating, Add</i>	5,863.19	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,090.45	2,633.93
<i>For Class 52 Rating, Deduct</i>	-2,210.96	
<i>For Class 54 Rating, Add</i>	3,062.84	
<i>For Class 55 Rating, Add</i>	4,578.00	
<i>For Class 56 Rating, Add</i>	6,073.07	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,808.42	2,638.85
<i>For Class 52 Rating, Deduct</i>	-2,289.12	
<i>For Class 54 Rating, Add</i>	3,169.50	
<i>For Class 55 Rating, Add</i>	4,736.63	
<i>For Class 56 Rating, Add</i>	6,282.94	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,526.41	2,643.77
<i>For Class 52 Rating, Deduct</i>	-2,367.28	
<i>For Class 54 Rating, Add</i>	3,276.17	
<i>For Class 55 Rating, Add</i>	4,895.25	
<i>For Class 56 Rating, Add</i>	6,492.81	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,244.38	2,648.69
<i>For Class 52 Rating, Deduct</i>	-2,445.43	
<i>For Class 54 Rating, Add</i>	3,382.84	
<i>For Class 55 Rating, Add</i>	5,053.88	
<i>For Class 56 Rating, Add</i>	6,702.68	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,962.36	2,653.62
<i>For Class 52 Rating, Deduct</i>	-2,523.59	
<i>For Class 54 Rating, Add</i>	3,489.51	
<i>For Class 55 Rating, Add</i>	5,212.50	
<i>For Class 56 Rating, Add</i>	6,912.55	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,680.35	2,658.54
<i>For Class 52 Rating, Deduct</i>	-2,601.75	
<i>For Class 54 Rating, Add</i>	3,596.17	
<i>For Class 55 Rating, Add</i>	5,371.13	
<i>For Class 56 Rating, Add</i>	7,122.43	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,398.32	2,663.46
<i>For Class 52 Rating, Deduct</i>	-2,679.90	
<i>For Class 54 Rating, Add</i>	3,702.84	
<i>For Class 55 Rating, Add</i>	5,529.75	
<i>For Class 56 Rating, Add</i>	7,332.30	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,116.30	2,668.39
<i>For Class 52 Rating, Deduct</i>	-2,758.06	
<i>For Class 54 Rating, Add</i>	3,809.51	
<i>For Class 55 Rating, Add</i>	5,688.38	
<i>For Class 56 Rating, Add</i>	7,542.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,834.28	2,673.31
			<i>For Class 52 Rating, Deduct</i>	-2,836.22	
			<i>For Class 54 Rating, Add</i>	3,916.18	
			<i>For Class 55 Rating, Add</i>	5,847.00	
			<i>For Class 56 Rating, Add</i>	7,752.04	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,552.25	2,678.24
			<i>For Class 52 Rating, Deduct</i>	-2,914.38	
			<i>For Class 54 Rating, Add</i>	4,022.84	
			<i>For Class 55 Rating, Add</i>	6,005.62	
			<i>For Class 56 Rating, Add</i>	7,961.91	
40 05 19 00-0461	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,270.23	2,683.15
			<i>For Class 52 Rating, Deduct</i>	-2,992.53	
			<i>For Class 54 Rating, Add</i>	4,129.51	
			<i>For Class 55 Rating, Add</i>	6,164.25	
			<i>For Class 56 Rating, Add</i>	8,171.78	
40 05 19 00-0462	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,988.21	2,688.08
			<i>For Class 52 Rating, Deduct</i>	-3,070.69	
			<i>For Class 54 Rating, Add</i>	4,236.18	
			<i>For Class 55 Rating, Add</i>	6,322.87	
			<i>For Class 56 Rating, Add</i>	8,381.65	
40 05 19 00-0463	EA		36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,706.19	2,693.01
			<i>For Class 52 Rating, Deduct</i>	-3,148.85	
			<i>For Class 54 Rating, Add</i>	4,342.85	
			<i>For Class 55 Rating, Add</i>	6,481.50	
			<i>For Class 56 Rating, Add</i>	8,591.53	
40 05 19 00-0464	EA		36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,424.17	2,697.92
			<i>For Class 52 Rating, Deduct</i>	-3,227.00	
			<i>For Class 54 Rating, Add</i>	4,449.51	
			<i>For Class 55 Rating, Add</i>	6,640.12	
			<i>For Class 56 Rating, Add</i>	8,801.40	
40 05 19 00-0465	EA		36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,142.15	2,702.85
			<i>For Class 52 Rating, Deduct</i>	-3,305.16	
			<i>For Class 54 Rating, Add</i>	4,556.18	
			<i>For Class 55 Rating, Add</i>	6,798.75	
			<i>For Class 56 Rating, Add</i>	9,011.27	
40 05 19 00-0466	EA		36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,860.12	2,707.77
			<i>For Class 52 Rating, Deduct</i>	-3,383.32	
			<i>For Class 54 Rating, Add</i>	4,662.85	
			<i>For Class 55 Rating, Add</i>	6,957.37	
			<i>For Class 56 Rating, Add</i>	9,221.14	
40 05 19 00-0467	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,578.11	2,712.70
			<i>For Class 52 Rating, Deduct</i>	-3,461.48	
			<i>For Class 54 Rating, Add</i>	4,769.52	
			<i>For Class 55 Rating, Add</i>	7,116.00	
			<i>For Class 56 Rating, Add</i>	9,431.01	
40 05 19 00-0468	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,296.08	2,717.62
			<i>For Class 52 Rating, Deduct</i>	-3,539.63	
			<i>For Class 54 Rating, Add</i>	4,876.18	
			<i>For Class 55 Rating, Add</i>	7,274.62	
			<i>For Class 56 Rating, Add</i>	9,640.89	
40 05 19 00-0469	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,014.07	2,722.54
			<i>For Class 52 Rating, Deduct</i>	-3,617.79	
			<i>For Class 54 Rating, Add</i>	4,982.85	
			<i>For Class 55 Rating, Add</i>	7,433.25	
			<i>For Class 56 Rating, Add</i>	9,850.76	
40 05 19 00-0470	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,732.05	2,727.47
			<i>For Class 52 Rating, Deduct</i>	-3,695.95	
			<i>For Class 54 Rating, Add</i>	5,089.52	
			<i>For Class 55 Rating, Add</i>	7,591.87	
			<i>For Class 56 Rating, Add</i>	10,060.63	
40 05 19 00-0471	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,450.01	2,732.39
			<i>For Class 52 Rating, Deduct</i>	-3,774.10	
			<i>For Class 54 Rating, Add</i>	5,196.18	
			<i>For Class 55 Rating, Add</i>	7,750.50	
			<i>For Class 56 Rating, Add</i>	10,270.50	
40 05 19 00-0472	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,168.00	2,737.31
			<i>For Class 52 Rating, Deduct</i>	-3,852.26	
			<i>For Class 54 Rating, Add</i>	5,302.85	
			<i>For Class 55 Rating, Add</i>	7,909.12	
			<i>For Class 56 Rating, Add</i>	10,480.37	
40 05 19 00-0473	EA		36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,885.97	2,742.24
			<i>For Class 52 Rating, Deduct</i>	-3,930.42	
			<i>For Class 54 Rating, Add</i>	5,409.52	
			<i>For Class 55 Rating, Add</i>	8,067.75	
			<i>For Class 56 Rating, Add</i>	10,690.24	
40 05 19 00-0474	EA		36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,603.95	2,747.16
			<i>For Class 52 Rating, Deduct</i>	-4,008.57	
			<i>For Class 54 Rating, Add</i>	5,516.19	
			<i>For Class 55 Rating, Add</i>	8,226.37	
			<i>For Class 56 Rating, Add</i>	10,900.11	
40 05 19 00-0475	EA		36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,321.93	2,752.08
			<i>For Class 52 Rating, Deduct</i>	-4,086.73	
			<i>For Class 54 Rating, Add</i>	5,622.85	
			<i>For Class 55 Rating, Add</i>	8,385.00	
			<i>For Class 56 Rating, Add</i>	11,109.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,399.93	3,239.49
<i>For Class 52 Rating, Deduct</i>	-1,594.08	
<i>For Class 54 Rating, Add</i>	2,232.64	
<i>For Class 55 Rating, Add</i>	3,349.43	
<i>For Class 56 Rating, Add</i>	4,451.73	
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,468.95	3,244.40
<i>For Class 52 Rating, Deduct</i>	-1,710.85	
<i>For Class 54 Rating, Add</i>	2,391.97	
<i>For Class 55 Rating, Add</i>	3,586.34	
<i>For Class 56 Rating, Add</i>	4,765.16	
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,525.27	3,249.33
<i>For Class 52 Rating, Deduct</i>	-1,826.22	
<i>For Class 54 Rating, Add</i>	2,549.38	
<i>For Class 55 Rating, Add</i>	3,820.41	
<i>For Class 56 Rating, Add</i>	5,074.84	
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,592.15	3,254.25
<i>For Class 52 Rating, Deduct</i>	-1,942.76	
<i>For Class 54 Rating, Add</i>	2,708.39	
<i>For Class 55 Rating, Add</i>	4,056.84	
<i>For Class 56 Rating, Add</i>	5,387.64	
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,648.48	3,259.18
<i>For Class 52 Rating, Deduct</i>	-2,058.14	
<i>For Class 54 Rating, Add</i>	2,865.81	
<i>For Class 55 Rating, Add</i>	4,290.92	
<i>For Class 56 Rating, Add</i>	5,697.32	
40 05 19 00-0482 EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,717.48	3,264.09
<i>For Class 52 Rating, Deduct</i>	-2,174.91	
<i>For Class 54 Rating, Add</i>	3,025.13	
<i>For Class 55 Rating, Add</i>	4,527.82	
<i>For Class 56 Rating, Add</i>	6,010.75	
40 05 19 00-0483 EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,771.69	3,269.02
<i>For Class 52 Rating, Deduct</i>	-2,290.05	
<i>For Class 54 Rating, Add</i>	3,182.23	
<i>For Class 55 Rating, Add</i>	4,761.43	
<i>For Class 56 Rating, Add</i>	6,319.81	
40 05 19 00-0484 EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,840.70	3,273.95
<i>For Class 52 Rating, Deduct</i>	-2,406.82	
<i>For Class 54 Rating, Add</i>	3,341.55	
<i>For Class 55 Rating, Add</i>	4,998.33	
<i>For Class 56 Rating, Add</i>	6,633.23	
40 05 19 00-0485 EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,897.02	3,278.86
<i>For Class 52 Rating, Deduct</i>	-2,522.19	
<i>For Class 54 Rating, Add</i>	3,498.97	
<i>For Class 55 Rating, Add</i>	5,232.41	
<i>For Class 56 Rating, Add</i>	6,942.91	
40 05 19 00-0486 EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,963.92	3,283.79
<i>For Class 52 Rating, Deduct</i>	-2,638.73	
<i>For Class 54 Rating, Add</i>	3,657.98	
<i>For Class 55 Rating, Add</i>	5,468.84	
<i>For Class 56 Rating, Add</i>	7,255.72	
40 05 19 00-0487 EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,020.24	3,288.71
<i>For Class 52 Rating, Deduct</i>	-2,754.11	
<i>For Class 54 Rating, Add</i>	3,815.40	
<i>For Class 55 Rating, Add</i>	5,702.92	
<i>For Class 56 Rating, Add</i>	7,565.40	
40 05 19 00-0488 EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,087.13	3,293.64
<i>For Class 52 Rating, Deduct</i>	-2,870.64	
<i>For Class 54 Rating, Add</i>	3,974.40	
<i>For Class 55 Rating, Add</i>	5,939.35	
<i>For Class 56 Rating, Add</i>	7,878.20	
40 05 19 00-0489 EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,143.45	3,298.56
<i>For Class 52 Rating, Deduct</i>	-2,986.02	
<i>For Class 54 Rating, Add</i>	4,131.82	
<i>For Class 55 Rating, Add</i>	6,173.42	
<i>For Class 56 Rating, Add</i>	8,187.88	
40 05 19 00-0490 EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,201.89	3,303.48
<i>For Class 52 Rating, Deduct</i>	-3,101.63	
<i>For Class 54 Rating, Add</i>	4,289.55	
<i>For Class 55 Rating, Add</i>	6,407.97	
<i>For Class 56 Rating, Add</i>	8,498.19	
40 05 19 00-0491 EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,266.66	3,308.41
<i>For Class 52 Rating, Deduct</i>	-3,217.93	
<i>For Class 54 Rating, Add</i>	4,448.24	
<i>For Class 55 Rating, Add</i>	6,643.93	
<i>For Class 56 Rating, Add</i>	8,810.37	
40 05 19 00-0492 EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,322.99	3,313.33
<i>For Class 52 Rating, Deduct</i>	-3,333.31	
<i>For Class 54 Rating, Add</i>	4,605.66	
<i>For Class 55 Rating, Add</i>	6,878.01	
<i>For Class 56 Rating, Add</i>	9,120.05	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,391.99	3,318.25
		<i>For Class 52 Rating, Deduct</i>	-3,450.08	
		<i>For Class 54 Rating, Add</i>	4,764.98	
		<i>For Class 55 Rating, Add</i>	7,114.91	
		<i>For Class 56 Rating, Add</i>	9,433.48	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,448.32	3,323.18
		<i>For Class 52 Rating, Deduct</i>	-3,565.45	
		<i>For Class 54 Rating, Add</i>	4,922.40	
		<i>For Class 55 Rating, Add</i>	7,348.99	
		<i>For Class 56 Rating, Add</i>	9,743.16	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,515.22	3,328.10
		<i>For Class 52 Rating, Deduct</i>	-3,681.99	
		<i>For Class 54 Rating, Add</i>	5,081.41	
		<i>For Class 55 Rating, Add</i>	7,585.42	
		<i>For Class 56 Rating, Add</i>	10,055.96	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,571.53	3,333.02
		<i>For Class 52 Rating, Deduct</i>	-3,797.37	
		<i>For Class 54 Rating, Add</i>	5,238.83	
		<i>For Class 55 Rating, Add</i>	7,819.50	
		<i>For Class 56 Rating, Add</i>	10,365.64	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,640.55	3,337.94
		<i>For Class 52 Rating, Deduct</i>	-3,914.14	
		<i>For Class 54 Rating, Add</i>	5,398.15	
		<i>For Class 55 Rating, Add</i>	8,056.40	
		<i>For Class 56 Rating, Add</i>	10,679.07	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,696.86	3,342.87
		<i>For Class 52 Rating, Deduct</i>	-4,029.51	
		<i>For Class 54 Rating, Add</i>	5,555.57	
		<i>For Class 55 Rating, Add</i>	8,290.47	
		<i>For Class 56 Rating, Add</i>	10,988.75	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,763.75	3,347.80
		<i>For Class 52 Rating, Deduct</i>	-4,146.05	
		<i>For Class 54 Rating, Add</i>	5,714.57	
		<i>For Class 55 Rating, Add</i>	8,526.91	
		<i>For Class 56 Rating, Add</i>	11,301.55	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,820.07	3,352.71
		<i>For Class 52 Rating, Deduct</i>	-4,261.42	
		<i>For Class 54 Rating, Add</i>	5,871.99	
		<i>For Class 55 Rating, Add</i>	8,760.98	
		<i>For Class 56 Rating, Add</i>	11,611.23	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,889.08	3,357.64
		<i>For Class 52 Rating, Deduct</i>	-4,378.19	
		<i>For Class 54 Rating, Add</i>	6,031.31	
		<i>For Class 55 Rating, Add</i>	8,997.89	
		<i>For Class 56 Rating, Add</i>	11,924.66	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,945.42	3,362.56
		<i>For Class 52 Rating, Deduct</i>	-4,493.57	
		<i>For Class 54 Rating, Add</i>	6,188.73	
		<i>For Class 55 Rating, Add</i>	9,231.96	
		<i>For Class 56 Rating, Add</i>	12,234.35	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,010.19	3,367.49
		<i>For Class 52 Rating, Deduct</i>	-4,609.87	
		<i>For Class 54 Rating, Add</i>	6,347.42	
		<i>For Class 55 Rating, Add</i>	9,467.92	
		<i>For Class 56 Rating, Add</i>	12,546.52	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,068.62	3,372.41
		<i>For Class 52 Rating, Deduct</i>	-4,725.48	
		<i>For Class 54 Rating, Add</i>	6,505.15	
		<i>For Class 55 Rating, Add</i>	9,702.47	
		<i>For Class 56 Rating, Add</i>	12,856.83	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,913.48	3,377.33
		<i>For Class 52 Rating, Deduct</i>	-4,817.59	
		<i>For Class 54 Rating, Add</i>	6,630.85	
		<i>For Class 55 Rating, Add</i>	9,889.39	
		<i>For Class 56 Rating, Add</i>	13,104.13	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,191.84	3,382.26
		<i>For Class 52 Rating, Deduct</i>	-4,957.39	
		<i>For Class 54 Rating, Add</i>	6,821.58	
		<i>For Class 55 Rating, Add</i>	10,172.98	
		<i>For Class 56 Rating, Add</i>	13,479.31	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,248.15	3,387.17
		<i>For Class 52 Rating, Deduct</i>	-5,072.77	
		<i>For Class 54 Rating, Add</i>	6,979.00	
		<i>For Class 55 Rating, Add</i>	10,407.05	
		<i>For Class 56 Rating, Add</i>	13,789.00	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,315.05	3,392.10
		<i>For Class 52 Rating, Deduct</i>	-5,189.31	
		<i>For Class 54 Rating, Add</i>	7,138.00	
		<i>For Class 55 Rating, Add</i>	10,643.49	
		<i>For Class 56 Rating, Add</i>	14,101.80	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,371.37	3,397.03
		<i>For Class 52 Rating, Deduct</i>	-5,304.68	
		<i>For Class 54 Rating, Add</i>	7,295.42	
		<i>For Class 55 Rating, Add</i>	10,877.56	
		<i>For Class 56 Rating, Add</i>	14,411.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,440.38	3,401.95
<i>For Class 52 Rating, Deduct</i>	-5,421.45	
<i>For Class 54 Rating, Add</i>	7,454.74	
<i>For Class 55 Rating, Add</i>	11,114.47	
<i>For Class 56 Rating, Add</i>	14,724.90	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,494.59	3,406.87
<i>For Class 52 Rating, Deduct</i>	-5,536.59	
<i>For Class 54 Rating, Add</i>	7,611.84	
<i>For Class 55 Rating, Add</i>	11,348.07	
<i>For Class 56 Rating, Add</i>	15,033.96	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,563.59	3,411.79
<i>For Class 52 Rating, Deduct</i>	-5,653.36	
<i>For Class 54 Rating, Add</i>	7,771.16	
<i>For Class 55 Rating, Add</i>	11,584.97	
<i>For Class 56 Rating, Add</i>	15,347.39	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,619.92	3,416.72
<i>For Class 52 Rating, Deduct</i>	-5,768.74	
<i>For Class 54 Rating, Add</i>	7,928.58	
<i>For Class 55 Rating, Add</i>	11,819.05	
<i>For Class 56 Rating, Add</i>	15,657.07	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,686.81	3,421.64
<i>For Class 52 Rating, Deduct</i>	-5,885.28	
<i>For Class 54 Rating, Add</i>	8,087.59	
<i>For Class 55 Rating, Add</i>	12,055.48	
<i>For Class 56 Rating, Add</i>	15,969.88	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,337.94	4,071.51
<i>For Class 52 Rating, Deduct</i>	-1,998.59	
<i>For Class 54 Rating, Add</i>	2,799.38	
<i>For Class 55 Rating, Add</i>	4,199.74	
<i>For Class 56 Rating, Add</i>	5,581.93	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,891.20	4,076.43
<i>For Class 52 Rating, Deduct</i>	-2,168.63	
<i>For Class 54 Rating, Add</i>	3,031.34	
<i>For Class 55 Rating, Add</i>	4,544.63	
<i>For Class 56 Rating, Add</i>	6,038.21	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,442.35	4,081.35
<i>For Class 52 Rating, Deduct</i>	-2,338.43	
<i>For Class 54 Rating, Add</i>	3,262.98	
<i>For Class 55 Rating, Add</i>	4,889.05	
<i>For Class 56 Rating, Add</i>	6,493.87	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,006.18	4,086.28
<i>For Class 52 Rating, Deduct</i>	-2,509.63	
<i>For Class 54 Rating, Add</i>	3,496.52	
<i>For Class 55 Rating, Add</i>	5,236.30	
<i>For Class 56 Rating, Add</i>	6,953.27	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,559.43	4,091.20
<i>For Class 52 Rating, Deduct</i>	-2,679.67	
<i>For Class 54 Rating, Add</i>	3,728.48	
<i>For Class 55 Rating, Add</i>	5,581.20	
<i>For Class 56 Rating, Add</i>	7,409.55	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,112.70	4,096.12
<i>For Class 52 Rating, Deduct</i>	-2,849.71	
<i>For Class 54 Rating, Add</i>	3,960.44	
<i>For Class 55 Rating, Add</i>	5,926.09	
<i>For Class 56 Rating, Add</i>	7,865.83	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,674.42	4,101.04
<i>For Class 52 Rating, Deduct</i>	-3,020.68	
<i>For Class 54 Rating, Add</i>	4,193.67	
<i>For Class 55 Rating, Add</i>	6,272.87	
<i>For Class 56 Rating, Add</i>	8,324.61	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,229.80	4,105.97
<i>For Class 52 Rating, Deduct</i>	-3,190.95	
<i>For Class 54 Rating, Add</i>	4,425.95	
<i>For Class 55 Rating, Add</i>	6,618.23	
<i>For Class 56 Rating, Add</i>	8,781.51	
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,780.95	4,110.90
<i>For Class 52 Rating, Deduct</i>	-3,360.76	
<i>For Class 54 Rating, Add</i>	4,657.59	
<i>For Class 55 Rating, Add</i>	6,962.65	
<i>For Class 56 Rating, Add</i>	9,237.17	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,344.77	4,115.81
<i>For Class 52 Rating, Deduct</i>	-3,531.96	
<i>For Class 54 Rating, Add</i>	4,891.14	
<i>For Class 55 Rating, Add</i>	7,309.90	
<i>For Class 56 Rating, Add</i>	9,696.56	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,898.05	4,120.74
<i>For Class 52 Rating, Deduct</i>	-3,702.00	
<i>For Class 54 Rating, Add</i>	5,123.10	
<i>For Class 55 Rating, Add</i>	7,654.80	
<i>For Class 56 Rating, Add</i>	10,152.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,461.87	4,125.66
		<i>For Class 52 Rating, Deduct</i>	-3,873.20	
		<i>For Class 54 Rating, Add</i>	5,356.64	
		<i>For Class 55 Rating, Add</i>	8,002.05	
		<i>For Class 56 Rating, Add</i>	10,612.24	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,013.02	4,130.59
		<i>For Class 52 Rating, Deduct</i>	-4,043.00	
		<i>For Class 54 Rating, Add</i>	5,588.29	
		<i>For Class 55 Rating, Add</i>	8,346.47	
		<i>For Class 56 Rating, Add</i>	11,067.90	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,566.28	4,135.51
		<i>For Class 52 Rating, Deduct</i>	-4,213.04	
		<i>For Class 54 Rating, Add</i>	5,820.25	
		<i>For Class 55 Rating, Add</i>	8,691.36	
		<i>For Class 56 Rating, Add</i>	11,524.18	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,130.11	4,140.43
		<i>For Class 52 Rating, Deduct</i>	-4,384.24	
		<i>For Class 54 Rating, Add</i>	6,053.79	
		<i>For Class 55 Rating, Add</i>	9,038.61	
		<i>For Class 56 Rating, Add</i>	11,983.58	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,683.38	4,145.36
		<i>For Class 52 Rating, Deduct</i>	-4,554.28	
		<i>For Class 54 Rating, Add</i>	6,285.75	
		<i>For Class 55 Rating, Add</i>	9,383.51	
		<i>For Class 56 Rating, Add</i>	12,439.86	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,234.52	4,150.27
		<i>For Class 52 Rating, Deduct</i>	-4,724.08	
		<i>For Class 54 Rating, Add</i>	6,517.39	
		<i>For Class 55 Rating, Add</i>	9,727.93	
		<i>For Class 56 Rating, Add</i>	12,895.51	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,798.36	4,155.20
		<i>For Class 52 Rating, Deduct</i>	-4,895.29	
		<i>For Class 54 Rating, Add</i>	6,750.94	
		<i>For Class 55 Rating, Add</i>	10,075.18	
		<i>For Class 56 Rating, Add</i>	13,354.91	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,351.62	4,160.13
		<i>For Class 52 Rating, Deduct</i>	-5,065.32	
		<i>For Class 54 Rating, Add</i>	6,982.90	
		<i>For Class 55 Rating, Add</i>	10,420.07	
		<i>For Class 56 Rating, Add</i>	13,811.19	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,902.77	4,165.05
		<i>For Class 52 Rating, Deduct</i>	-5,235.13	
		<i>For Class 54 Rating, Add</i>	7,214.54	
		<i>For Class 55 Rating, Add</i>	10,764.49	
		<i>For Class 56 Rating, Add</i>	14,266.85	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,466.59	4,169.97
		<i>For Class 52 Rating, Deduct</i>	-5,406.33	
		<i>For Class 54 Rating, Add</i>	7,448.09	
		<i>For Class 55 Rating, Add</i>	11,111.74	
		<i>For Class 56 Rating, Add</i>	14,726.25	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,021.98	4,174.89
		<i>For Class 52 Rating, Deduct</i>	-5,576.60	
		<i>For Class 54 Rating, Add</i>	7,680.36	
		<i>For Class 55 Rating, Add</i>	11,457.11	
		<i>For Class 56 Rating, Add</i>	15,183.15	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,573.12	4,179.82
		<i>For Class 52 Rating, Deduct</i>	-5,746.41	
		<i>For Class 54 Rating, Add</i>	7,912.01	
		<i>For Class 55 Rating, Add</i>	11,801.53	
		<i>For Class 56 Rating, Add</i>	15,638.81	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,136.96	4,184.74
		<i>For Class 52 Rating, Deduct</i>	-5,917.61	
		<i>For Class 54 Rating, Add</i>	8,145.55	
		<i>For Class 55 Rating, Add</i>	12,148.78	
		<i>For Class 56 Rating, Add</i>	16,098.21	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,690.22	4,189.66
		<i>For Class 52 Rating, Deduct</i>	-6,087.65	
		<i>For Class 54 Rating, Add</i>	8,377.51	
		<i>For Class 55 Rating, Add</i>	12,493.67	
		<i>For Class 56 Rating, Add</i>	16,554.49	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,241.36	4,194.59
		<i>For Class 52 Rating, Deduct</i>	-6,257.45	
		<i>For Class 54 Rating, Add</i>	8,609.15	
		<i>For Class 55 Rating, Add</i>	12,838.09	
		<i>For Class 56 Rating, Add</i>	17,010.14	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,805.21	4,199.51
		<i>For Class 52 Rating, Deduct</i>	-6,428.65	
		<i>For Class 54 Rating, Add</i>	8,842.70	
		<i>For Class 55 Rating, Add</i>	13,185.34	
		<i>For Class 56 Rating, Add</i>	17,469.55	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,358.46	4,204.43
		<i>For Class 52 Rating, Deduct</i>	-6,598.69	
		<i>For Class 54 Rating, Add</i>	9,074.66	
		<i>For Class 55 Rating, Add</i>	13,530.24	
		<i>For Class 56 Rating, Add</i>	17,925.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,721.40	4,209.35
<i>For Class 52 Rating, Deduct</i>	-6,747.79	
<i>For Class 54 Rating, Add</i>	9,278.07	
<i>For Class 55 Rating, Add</i>	13,832.69	
<i>For Class 56 Rating, Add</i>	18,325.96	
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,475.55	4,214.28
<i>For Class 52 Rating, Deduct</i>	-6,939.93	
<i>For Class 54 Rating, Add</i>	9,540.17	
<i>For Class 55 Rating, Add</i>	14,222.38	
<i>For Class 56 Rating, Add</i>	18,841.50	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,026.70	4,219.21
<i>For Class 52 Rating, Deduct</i>	-7,109.74	
<i>For Class 54 Rating, Add</i>	9,771.81	
<i>For Class 55 Rating, Add</i>	14,566.80	
<i>For Class 56 Rating, Add</i>	19,297.16	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,592.66	4,224.12
<i>For Class 52 Rating, Deduct</i>	-7,281.17	
<i>For Class 54 Rating, Add</i>	10,005.67	
<i>For Class 55 Rating, Add</i>	14,914.52	
<i>For Class 56 Rating, Add</i>	19,757.18	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,143.80	4,229.05
<i>For Class 52 Rating, Deduct</i>	-7,450.98	
<i>For Class 54 Rating, Add</i>	10,237.31	
<i>For Class 55 Rating, Add</i>	15,258.95	
<i>For Class 56 Rating, Add</i>	20,212.84	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,694.95	4,233.97
<i>For Class 52 Rating, Deduct</i>	-7,620.78	
<i>For Class 54 Rating, Add</i>	10,468.96	
<i>For Class 55 Rating, Add</i>	15,603.37	
<i>For Class 56 Rating, Add</i>	20,668.50	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,260.90	4,238.90
<i>For Class 52 Rating, Deduct</i>	-7,792.22	
<i>For Class 54 Rating, Add</i>	10,702.82	
<i>For Class 55 Rating, Add</i>	15,951.09	
<i>For Class 56 Rating, Add</i>	21,128.52	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,812.04	4,243.82
<i>For Class 52 Rating, Deduct</i>	-7,962.02	
<i>For Class 54 Rating, Add</i>	10,934.46	
<i>For Class 55 Rating, Add</i>	16,295.51	
<i>For Class 56 Rating, Add</i>	21,584.17	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,365.29	4,248.74
<i>For Class 52 Rating, Deduct</i>	-8,132.06	
<i>For Class 54 Rating, Add</i>	11,166.42	
<i>For Class 55 Rating, Add</i>	16,640.40	
<i>For Class 56 Rating, Add</i>	22,040.45	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,929.14	4,253.67
<i>For Class 52 Rating, Deduct</i>	-8,303.26	
<i>For Class 54 Rating, Add</i>	11,399.97	
<i>For Class 55 Rating, Add</i>	16,987.65	
<i>For Class 56 Rating, Add</i>	22,499.85	
 40 05 19 00-0554 Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-0555 4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	700.84	225.29
<i>For Class 52 Rating, Deduct</i>	-39.54	
<i>For Class 54 Rating, Add</i>	58.02	
<i>For Class 55 Rating, Add</i>	88.36	
<i>For Class 56 Rating, Add</i>	118.34	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	761.78	229.23
<i>For Class 52 Rating, Deduct</i>	-45.59	
<i>For Class 54 Rating, Add</i>	66.34	
<i>For Class 55 Rating, Add</i>	100.76	
<i>For Class 56 Rating, Add</i>	134.77	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.73	233.17
<i>For Class 52 Rating, Deduct</i>	-51.64	
<i>For Class 54 Rating, Add</i>	74.66	
<i>For Class 55 Rating, Add</i>	113.17	
<i>For Class 56 Rating, Add</i>	151.21	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	883.68	237.11
<i>For Class 52 Rating, Deduct</i>	-57.69	
<i>For Class 54 Rating, Add</i>	82.98	
<i>For Class 55 Rating, Add</i>	125.57	
<i>For Class 56 Rating, Add</i>	167.64	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	944.62	241.04
			<i>For Class 52 Rating, Deduct</i>	-63.74	
			<i>For Class 54 Rating, Add</i>	91.29	
			<i>For Class 55 Rating, Add</i>	137.97	
			<i>For Class 56 Rating, Add</i>	184.07	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,005.57	244.98
			<i>For Class 52 Rating, Deduct</i>	-69.78	
			<i>For Class 54 Rating, Add</i>	99.61	
			<i>For Class 55 Rating, Add</i>	150.38	
			<i>For Class 56 Rating, Add</i>	200.51	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.52	248.92
			<i>For Class 52 Rating, Deduct</i>	-75.83	
			<i>For Class 54 Rating, Add</i>	107.93	
			<i>For Class 55 Rating, Add</i>	162.78	
			<i>For Class 56 Rating, Add</i>	216.94	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,127.46	252.86
			<i>For Class 52 Rating, Deduct</i>	-81.88	
			<i>For Class 54 Rating, Add</i>	116.25	
			<i>For Class 55 Rating, Add</i>	175.18	
			<i>For Class 56 Rating, Add</i>	233.38	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,188.41	256.80
			<i>For Class 52 Rating, Deduct</i>	-87.93	
			<i>For Class 54 Rating, Add</i>	124.57	
			<i>For Class 55 Rating, Add</i>	187.59	
			<i>For Class 56 Rating, Add</i>	249.81	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.36	260.74
			<i>For Class 52 Rating, Deduct</i>	-93.97	
			<i>For Class 54 Rating, Add</i>	132.89	
			<i>For Class 55 Rating, Add</i>	199.99	
			<i>For Class 56 Rating, Add</i>	266.24	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.32	264.67
			<i>For Class 52 Rating, Deduct</i>	-100.02	
			<i>For Class 54 Rating, Add</i>	141.21	
			<i>For Class 55 Rating, Add</i>	212.40	
			<i>For Class 56 Rating, Add</i>	282.68	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,371.26	268.61
			<i>For Class 52 Rating, Deduct</i>	-106.07	
			<i>For Class 54 Rating, Add</i>	149.53	
			<i>For Class 55 Rating, Add</i>	224.80	
			<i>For Class 56 Rating, Add</i>	299.11	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,432.21	272.56
			<i>For Class 52 Rating, Deduct</i>	-112.12	
			<i>For Class 54 Rating, Add</i>	157.84	
			<i>For Class 55 Rating, Add</i>	237.21	
			<i>For Class 56 Rating, Add</i>	315.55	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,493.16	276.49
			<i>For Class 52 Rating, Deduct</i>	-118.17	
			<i>For Class 54 Rating, Add</i>	166.16	
			<i>For Class 55 Rating, Add</i>	249.61	
			<i>For Class 56 Rating, Add</i>	331.98	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.11	280.43
			<i>For Class 52 Rating, Deduct</i>	-124.21	
			<i>For Class 54 Rating, Add</i>	174.48	
			<i>For Class 55 Rating, Add</i>	262.01	
			<i>For Class 56 Rating, Add</i>	348.42	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,615.06	284.37
			<i>For Class 52 Rating, Deduct</i>	-130.26	
			<i>For Class 54 Rating, Add</i>	182.80	
			<i>For Class 55 Rating, Add</i>	274.42	
			<i>For Class 56 Rating, Add</i>	364.85	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,676.01	288.30
			<i>For Class 52 Rating, Deduct</i>	-136.31	
			<i>For Class 54 Rating, Add</i>	191.12	
			<i>For Class 55 Rating, Add</i>	286.82	
			<i>For Class 56 Rating, Add</i>	381.28	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,736.95	292.24
			<i>For Class 52 Rating, Deduct</i>	-142.36	
			<i>For Class 54 Rating, Add</i>	199.44	
			<i>For Class 55 Rating, Add</i>	299.22	
			<i>For Class 56 Rating, Add</i>	397.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574 EA 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,797.90	296.19
<i>For Class 52 Rating, Deduct</i>	-148.41	
<i>For Class 54 Rating, Add</i>	207.76	
<i>For Class 55 Rating, Add</i>	311.63	
<i>For Class 56 Rating, Add</i>	414.15	
40 05 19 00-0575 EA 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,858.85	300.12
<i>For Class 52 Rating, Deduct</i>	-154.45	
<i>For Class 54 Rating, Add</i>	216.07	
<i>For Class 55 Rating, Add</i>	324.03	
<i>For Class 56 Rating, Add</i>	430.59	
40 05 19 00-0576 EA 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,919.80	304.06
<i>For Class 52 Rating, Deduct</i>	-160.50	
<i>For Class 54 Rating, Add</i>	224.39	
<i>For Class 55 Rating, Add</i>	336.44	
<i>For Class 56 Rating, Add</i>	447.02	
40 05 19 00-0577 EA 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.74	308.00
<i>For Class 52 Rating, Deduct</i>	-166.55	
<i>For Class 54 Rating, Add</i>	232.71	
<i>For Class 55 Rating, Add</i>	348.84	
<i>For Class 56 Rating, Add</i>	463.45	
40 05 19 00-0578 EA 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,041.69	311.93
<i>For Class 52 Rating, Deduct</i>	-172.60	
<i>For Class 54 Rating, Add</i>	241.03	
<i>For Class 55 Rating, Add</i>	361.24	
<i>For Class 56 Rating, Add</i>	479.89	
40 05 19 00-0579 EA 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,102.64	315.88
<i>For Class 52 Rating, Deduct</i>	-178.64	
<i>For Class 54 Rating, Add</i>	249.35	
<i>For Class 55 Rating, Add</i>	373.65	
<i>For Class 56 Rating, Add</i>	496.32	
40 05 19 00-0580 EA 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,163.58	319.82
<i>For Class 52 Rating, Deduct</i>	-184.69	
<i>For Class 54 Rating, Add</i>	257.67	
<i>For Class 55 Rating, Add</i>	386.05	
<i>For Class 56 Rating, Add</i>	512.76	
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.53	323.75
<i>For Class 52 Rating, Deduct</i>	-190.74	
<i>For Class 54 Rating, Add</i>	265.99	
<i>For Class 55 Rating, Add</i>	398.45	
<i>For Class 56 Rating, Add</i>	529.19	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,285.49	327.69
<i>For Class 52 Rating, Deduct</i>	-196.79	
<i>For Class 54 Rating, Add</i>	274.31	
<i>For Class 55 Rating, Add</i>	410.86	
<i>For Class 56 Rating, Add</i>	545.63	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.43	331.63
<i>For Class 52 Rating, Deduct</i>	-202.84	
<i>For Class 54 Rating, Add</i>	282.63	
<i>For Class 55 Rating, Add</i>	423.26	
<i>For Class 56 Rating, Add</i>	562.06	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,407.38	335.57
<i>For Class 52 Rating, Deduct</i>	-208.88	
<i>For Class 54 Rating, Add</i>	290.94	
<i>For Class 55 Rating, Add</i>	435.67	
<i>For Class 56 Rating, Add</i>	578.49	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,468.33	339.51
<i>For Class 52 Rating, Deduct</i>	-214.93	
<i>For Class 54 Rating, Add</i>	299.26	
<i>For Class 55 Rating, Add</i>	448.07	
<i>For Class 56 Rating, Add</i>	594.93	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,529.28	343.45
<i>For Class 52 Rating, Deduct</i>	-220.98	
<i>For Class 54 Rating, Add</i>	307.58	
<i>For Class 55 Rating, Add</i>	460.48	
<i>For Class 56 Rating, Add</i>	611.36	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.22	347.39
<i>For Class 52 Rating, Deduct</i>	-227.03	
<i>For Class 54 Rating, Add</i>	315.90	
<i>For Class 55 Rating, Add</i>	472.88	
<i>For Class 56 Rating, Add</i>	627.80	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,651.18	351.32
			<i>For Class 52 Rating, Deduct</i>	-233.08	
			<i>For Class 54 Rating, Add</i>	324.22	
			<i>For Class 55 Rating, Add</i>	485.28	
			<i>For Class 56 Rating, Add</i>	644.23	
40 05 19 00-0589	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,712.13	355.26
			<i>For Class 52 Rating, Deduct</i>	-239.12	
			<i>For Class 54 Rating, Add</i>	332.54	
			<i>For Class 55 Rating, Add</i>	497.69	
			<i>For Class 56 Rating, Add</i>	660.66	
40 05 19 00-0590	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,773.07	359.21
			<i>For Class 52 Rating, Deduct</i>	-245.17	
			<i>For Class 54 Rating, Add</i>	340.86	
			<i>For Class 55 Rating, Add</i>	510.09	
			<i>For Class 56 Rating, Add</i>	677.10	
40 05 19 00-0591	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,834.02	363.14
			<i>For Class 52 Rating, Deduct</i>	-251.22	
			<i>For Class 54 Rating, Add</i>	349.17	
			<i>For Class 55 Rating, Add</i>	522.49	
			<i>For Class 56 Rating, Add</i>	693.53	
40 05 19 00-0592	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,894.97	367.08
			<i>For Class 52 Rating, Deduct</i>	-257.27	
			<i>For Class 54 Rating, Add</i>	357.49	
			<i>For Class 55 Rating, Add</i>	534.90	
			<i>For Class 56 Rating, Add</i>	709.97	
40 05 19 00-0593	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,955.91	371.02
			<i>For Class 52 Rating, Deduct</i>	-263.31	
			<i>For Class 54 Rating, Add</i>	365.81	
			<i>For Class 55 Rating, Add</i>	547.30	
			<i>For Class 56 Rating, Add</i>	726.40	
40 05 19 00-0594	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.86	374.95
			<i>For Class 52 Rating, Deduct</i>	-269.36	
			<i>For Class 54 Rating, Add</i>	374.13	
			<i>For Class 55 Rating, Add</i>	559.71	
			<i>For Class 56 Rating, Add</i>	742.83	
40 05 19 00-0595			6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0594)</small>		
40 05 19 00-0596	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	875.86	283.58
			<i>For Class 52 Rating, Deduct</i>	-49.08	
			<i>For Class 54 Rating, Add</i>	72.08	
			<i>For Class 55 Rating, Add</i>	109.81	
			<i>For Class 56 Rating, Add</i>	147.09	
40 05 19 00-0597	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.49	287.51
			<i>For Class 52 Rating, Deduct</i>	-56.52	
			<i>For Class 54 Rating, Add</i>	82.31	
			<i>For Class 55 Rating, Add</i>	125.05	
			<i>For Class 56 Rating, Add</i>	167.27	
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,023.13	291.46
			<i>For Class 52 Rating, Deduct</i>	-63.97	
			<i>For Class 54 Rating, Add</i>	92.53	
			<i>For Class 55 Rating, Add</i>	140.28	
			<i>For Class 56 Rating, Add</i>	187.45	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.76	295.40
			<i>For Class 52 Rating, Deduct</i>	-71.41	
			<i>For Class 54 Rating, Add</i>	102.75	
			<i>For Class 55 Rating, Add</i>	155.51	
			<i>For Class 56 Rating, Add</i>	207.62	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,170.39	299.33
			<i>For Class 52 Rating, Deduct</i>	-78.85	
			<i>For Class 54 Rating, Add</i>	112.97	
			<i>For Class 55 Rating, Add</i>	170.74	
			<i>For Class 56 Rating, Add</i>	227.80	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.03	303.27
			<i>For Class 52 Rating, Deduct</i>	-86.30	
			<i>For Class 54 Rating, Add</i>	123.19	
			<i>For Class 55 Rating, Add</i>	185.98	
			<i>For Class 56 Rating, Add</i>	247.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602 EA 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,317.67	307.21
<i>For Class 52 Rating, Deduct</i>	-93.74	
<i>For Class 54 Rating, Add</i>	133.42	
<i>For Class 55 Rating, Add</i>	201.21	
<i>For Class 56 Rating, Add</i>	268.16	
40 05 19 00-0603 EA 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,391.30	311.14
<i>For Class 52 Rating, Deduct</i>	-101.19	
<i>For Class 54 Rating, Add</i>	143.64	
<i>For Class 55 Rating, Add</i>	216.45	
<i>For Class 56 Rating, Add</i>	288.33	
40 05 19 00-0604 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,464.94	315.09
<i>For Class 52 Rating, Deduct</i>	-108.63	
<i>For Class 54 Rating, Add</i>	153.86	
<i>For Class 55 Rating, Add</i>	231.68	
<i>For Class 56 Rating, Add</i>	308.51	
40 05 19 00-0605 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.58	319.03
<i>For Class 52 Rating, Deduct</i>	-116.07	
<i>For Class 54 Rating, Add</i>	164.08	
<i>For Class 55 Rating, Add</i>	246.91	
<i>For Class 56 Rating, Add</i>	328.69	
40 05 19 00-0606 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,612.21	322.96
<i>For Class 52 Rating, Deduct</i>	-123.52	
<i>For Class 54 Rating, Add</i>	174.30	
<i>For Class 55 Rating, Add</i>	262.14	
<i>For Class 56 Rating, Add</i>	348.86	
40 05 19 00-0607 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,685.84	326.90
<i>For Class 52 Rating, Deduct</i>	-130.96	
<i>For Class 54 Rating, Add</i>	184.52	
<i>For Class 55 Rating, Add</i>	277.38	
<i>For Class 56 Rating, Add</i>	369.04	
40 05 19 00-0608 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,759.48	330.84
<i>For Class 52 Rating, Deduct</i>	-138.40	
<i>For Class 54 Rating, Add</i>	194.75	
<i>For Class 55 Rating, Add</i>	292.61	
<i>For Class 56 Rating, Add</i>	389.22	
40 05 19 00-0609 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,833.12	334.78
<i>For Class 52 Rating, Deduct</i>	-145.85	
<i>For Class 54 Rating, Add</i>	204.97	
<i>For Class 55 Rating, Add</i>	307.85	
<i>For Class 56 Rating, Add</i>	409.40	
40 05 19 00-0610 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,906.76	338.72
<i>For Class 52 Rating, Deduct</i>	-153.29	
<i>For Class 54 Rating, Add</i>	215.19	
<i>For Class 55 Rating, Add</i>	323.08	
<i>For Class 56 Rating, Add</i>	429.57	
40 05 19 00-0611 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.40	342.66
<i>For Class 52 Rating, Deduct</i>	-160.73	
<i>For Class 54 Rating, Add</i>	225.41	
<i>For Class 55 Rating, Add</i>	338.31	
<i>For Class 56 Rating, Add</i>	449.75	
40 05 19 00-0612 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,054.03	346.59
<i>For Class 52 Rating, Deduct</i>	-168.18	
<i>For Class 54 Rating, Add</i>	235.63	
<i>For Class 55 Rating, Add</i>	353.54	
<i>For Class 56 Rating, Add</i>	469.93	
40 05 19 00-0613 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,127.66	350.53
<i>For Class 52 Rating, Deduct</i>	-175.62	
<i>For Class 54 Rating, Add</i>	245.86	
<i>For Class 55 Rating, Add</i>	368.78	
<i>For Class 56 Rating, Add</i>	490.10	
40 05 19 00-0614 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,201.30	354.47
<i>For Class 52 Rating, Deduct</i>	-183.06	
<i>For Class 54 Rating, Add</i>	256.08	
<i>For Class 55 Rating, Add</i>	384.01	
<i>For Class 56 Rating, Add</i>	510.28	
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,274.94	358.41
<i>For Class 52 Rating, Deduct</i>	-190.51	
<i>For Class 54 Rating, Add</i>	266.30	
<i>For Class 55 Rating, Add</i>	399.24	
<i>For Class 56 Rating, Add</i>	530.46	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,348.58	362.35
			<i>For Class 52 Rating, Deduct</i>	-197.95	
			<i>For Class 54 Rating, Add</i>	276.52	
			<i>For Class 55 Rating, Add</i>	414.48	
			<i>For Class 56 Rating, Add</i>	550.63	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,422.21	366.29
			<i>For Class 52 Rating, Deduct</i>	-205.40	
			<i>For Class 54 Rating, Add</i>	286.74	
			<i>For Class 55 Rating, Add</i>	429.71	
			<i>For Class 56 Rating, Add</i>	570.81	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,495.85	370.22
			<i>For Class 52 Rating, Deduct</i>	-212.84	
			<i>For Class 54 Rating, Add</i>	296.97	
			<i>For Class 55 Rating, Add</i>	444.95	
			<i>For Class 56 Rating, Add</i>	590.99	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,569.48	374.16
			<i>For Class 52 Rating, Deduct</i>	-220.28	
			<i>For Class 54 Rating, Add</i>	307.19	
			<i>For Class 55 Rating, Add</i>	460.18	
			<i>For Class 56 Rating, Add</i>	611.16	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,643.11	378.11
			<i>For Class 52 Rating, Deduct</i>	-227.73	
			<i>For Class 54 Rating, Add</i>	317.41	
			<i>For Class 55 Rating, Add</i>	475.41	
			<i>For Class 56 Rating, Add</i>	631.34	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,716.75	382.04
			<i>For Class 52 Rating, Deduct</i>	-235.17	
			<i>For Class 54 Rating, Add</i>	327.63	
			<i>For Class 55 Rating, Add</i>	490.64	
			<i>For Class 56 Rating, Add</i>	651.52	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,790.39	385.98
			<i>For Class 52 Rating, Deduct</i>	-242.61	
			<i>For Class 54 Rating, Add</i>	337.85	
			<i>For Class 55 Rating, Add</i>	505.88	
			<i>For Class 56 Rating, Add</i>	671.70	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,864.02	389.92
			<i>For Class 52 Rating, Deduct</i>	-250.06	
			<i>For Class 54 Rating, Add</i>	348.08	
			<i>For Class 55 Rating, Add</i>	521.11	
			<i>For Class 56 Rating, Add</i>	691.87	
40 05 19 00-0624	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.66	393.85
			<i>For Class 52 Rating, Deduct</i>	-257.50	
			<i>For Class 54 Rating, Add</i>	358.30	
			<i>For Class 55 Rating, Add</i>	536.34	
			<i>For Class 56 Rating, Add</i>	712.05	
40 05 19 00-0625	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,011.30	397.79
			<i>For Class 52 Rating, Deduct</i>	-264.94	
			<i>For Class 54 Rating, Add</i>	368.52	
			<i>For Class 55 Rating, Add</i>	551.58	
			<i>For Class 56 Rating, Add</i>	732.23	
40 05 19 00-0626	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,084.93	401.74
			<i>For Class 52 Rating, Deduct</i>	-272.39	
			<i>For Class 54 Rating, Add</i>	378.74	
			<i>For Class 55 Rating, Add</i>	566.81	
			<i>For Class 56 Rating, Add</i>	752.40	
40 05 19 00-0627	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,158.56	405.67
			<i>For Class 52 Rating, Deduct</i>	-279.83	
			<i>For Class 54 Rating, Add</i>	388.96	
			<i>For Class 55 Rating, Add</i>	582.04	
			<i>For Class 56 Rating, Add</i>	772.58	
40 05 19 00-0628	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,232.20	409.61
			<i>For Class 52 Rating, Deduct</i>	-287.27	
			<i>For Class 54 Rating, Add</i>	399.18	
			<i>For Class 55 Rating, Add</i>	597.28	
			<i>For Class 56 Rating, Add</i>	792.76	
40 05 19 00-0629	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,305.85	413.55
			<i>For Class 52 Rating, Deduct</i>	-294.72	
			<i>For Class 54 Rating, Add</i>	409.41	
			<i>For Class 55 Rating, Add</i>	612.51	
			<i>For Class 56 Rating, Add</i>	812.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,379.48	417.49
For Class 52 Rating, Deduct	-302.16	
For Class 54 Rating, Add	419.63	
For Class 55 Rating, Add	627.74	
For Class 56 Rating, Add	833.11	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,453.12	421.43
For Class 52 Rating, Deduct	-309.60	
For Class 54 Rating, Add	429.85	
For Class 55 Rating, Add	642.98	
For Class 56 Rating, Add	853.29	
40 05 19 00-0632 EA 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,526.75	425.37
For Class 52 Rating, Deduct	-317.05	
For Class 54 Rating, Add	440.07	
For Class 55 Rating, Add	658.21	
For Class 56 Rating, Add	873.47	
40 05 19 00-0633 EA 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,600.38	429.31
For Class 52 Rating, Deduct	-324.49	
For Class 54 Rating, Add	450.29	
For Class 55 Rating, Add	673.44	
For Class 56 Rating, Add	893.64	
40 05 19 00-0634 EA 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,674.02	433.24
For Class 52 Rating, Deduct	-331.93	
For Class 54 Rating, Add	460.52	
For Class 55 Rating, Add	688.68	
For Class 56 Rating, Add	913.82	
40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636 EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,200.33	362.35
For Class 52 Rating, Deduct	-71.64	
For Class 54 Rating, Add	104.28	
For Class 55 Rating, Add	158.42	
For Class 56 Rating, Add	211.90	
40 05 19 00-0637 EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,299.33	366.29
For Class 52 Rating, Deduct	-81.88	
For Class 54 Rating, Add	118.31	
For Class 55 Rating, Add	179.31	
For Class 56 Rating, Add	239.56	
40 05 19 00-0638 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,398.35	370.22
For Class 52 Rating, Deduct	-92.11	
For Class 54 Rating, Add	132.34	
For Class 55 Rating, Add	200.20	
For Class 56 Rating, Add	267.23	
40 05 19 00-0639 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,497.36	374.16
For Class 52 Rating, Deduct	-102.35	
For Class 54 Rating, Add	146.37	
For Class 55 Rating, Add	221.09	
For Class 56 Rating, Add	294.89	
40 05 19 00-0640 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.37	378.11
For Class 52 Rating, Deduct	-112.58	
For Class 54 Rating, Add	160.40	
For Class 55 Rating, Add	241.99	
For Class 56 Rating, Add	322.55	
40 05 19 00-0641 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.38	382.04
For Class 52 Rating, Deduct	-122.82	
For Class 54 Rating, Add	174.43	
For Class 55 Rating, Add	262.88	
For Class 56 Rating, Add	350.21	
40 05 19 00-0642 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,794.39	385.98
For Class 52 Rating, Deduct	-133.05	
For Class 54 Rating, Add	188.45	
For Class 55 Rating, Add	283.77	
For Class 56 Rating, Add	377.88	
40 05 19 00-0643 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,893.40	389.92
For Class 52 Rating, Deduct	-143.29	
For Class 54 Rating, Add	202.48	
For Class 55 Rating, Add	304.66	
For Class 56 Rating, Add	405.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,992.41	393.85
			<i>For Class 52 Rating, Deduct</i>	-153.52	
			<i>For Class 54 Rating, Add</i>	216.51	
			<i>For Class 55 Rating, Add</i>	325.55	
			<i>For Class 56 Rating, Add</i>	433.20	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,091.43	397.79
			<i>For Class 52 Rating, Deduct</i>	-163.76	
			<i>For Class 54 Rating, Add</i>	230.54	
			<i>For Class 55 Rating, Add</i>	346.45	
			<i>For Class 56 Rating, Add</i>	460.87	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.44	401.74
			<i>For Class 52 Rating, Deduct</i>	-173.99	
			<i>For Class 54 Rating, Add</i>	244.57	
			<i>For Class 55 Rating, Add</i>	367.34	
			<i>For Class 56 Rating, Add</i>	488.53	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.44	405.67
			<i>For Class 52 Rating, Deduct</i>	-184.23	
			<i>For Class 54 Rating, Add</i>	258.59	
			<i>For Class 55 Rating, Add</i>	388.23	
			<i>For Class 56 Rating, Add</i>	516.19	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,388.46	409.61
			<i>For Class 52 Rating, Deduct</i>	-194.46	
			<i>For Class 54 Rating, Add</i>	272.62	
			<i>For Class 55 Rating, Add</i>	409.12	
			<i>For Class 56 Rating, Add</i>	543.86	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,487.48	413.55
			<i>For Class 52 Rating, Deduct</i>	-204.70	
			<i>For Class 54 Rating, Add</i>	286.65	
			<i>For Class 55 Rating, Add</i>	430.01	
			<i>For Class 56 Rating, Add</i>	571.52	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,586.49	417.49
			<i>For Class 52 Rating, Deduct</i>	-214.93	
			<i>For Class 54 Rating, Add</i>	300.68	
			<i>For Class 55 Rating, Add</i>	450.91	
			<i>For Class 56 Rating, Add</i>	599.18	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,685.50	421.43
			<i>For Class 52 Rating, Deduct</i>	-225.17	
			<i>For Class 54 Rating, Add</i>	314.71	
			<i>For Class 55 Rating, Add</i>	471.80	
			<i>For Class 56 Rating, Add</i>	626.84	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,784.52	425.37
			<i>For Class 52 Rating, Deduct</i>	-235.40	
			<i>For Class 54 Rating, Add</i>	328.74	
			<i>For Class 55 Rating, Add</i>	492.69	
			<i>For Class 56 Rating, Add</i>	654.51	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,883.52	429.31
			<i>For Class 52 Rating, Deduct</i>	-245.64	
			<i>For Class 54 Rating, Add</i>	342.76	
			<i>For Class 55 Rating, Add</i>	513.58	
			<i>For Class 56 Rating, Add</i>	682.17	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,982.53	433.24
			<i>For Class 52 Rating, Deduct</i>	-255.87	
			<i>For Class 54 Rating, Add</i>	356.79	
			<i>For Class 55 Rating, Add</i>	534.47	
			<i>For Class 56 Rating, Add</i>	709.83	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,081.55	437.18
			<i>For Class 52 Rating, Deduct</i>	-266.11	
			<i>For Class 54 Rating, Add</i>	370.82	
			<i>For Class 55 Rating, Add</i>	555.37	
			<i>For Class 56 Rating, Add</i>	737.50	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.56	441.13
			<i>For Class 52 Rating, Deduct</i>	-276.34	
			<i>For Class 54 Rating, Add</i>	384.85	
			<i>For Class 55 Rating, Add</i>	576.26	
			<i>For Class 56 Rating, Add</i>	765.16	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,279.57	445.06
			<i>For Class 52 Rating, Deduct</i>	-286.58	
			<i>For Class 54 Rating, Add</i>	398.88	
			<i>For Class 55 Rating, Add</i>	597.15	
			<i>For Class 56 Rating, Add</i>	792.82	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,378.58	449.00
<i>For Class 52 Rating, Deduct</i>	-296.81	
<i>For Class 54 Rating, Add</i>	412.91	
<i>For Class 55 Rating, Add</i>	618.04	
<i>For Class 56 Rating, Add</i>	820.48	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,477.59	452.94
<i>For Class 52 Rating, Deduct</i>	-307.05	
<i>For Class 54 Rating, Add</i>	426.93	
<i>For Class 55 Rating, Add</i>	638.93	
<i>For Class 56 Rating, Add</i>	848.15	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.60	456.87
<i>For Class 52 Rating, Deduct</i>	-317.28	
<i>For Class 54 Rating, Add</i>	440.96	
<i>For Class 55 Rating, Add</i>	659.83	
<i>For Class 56 Rating, Add</i>	875.81	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,675.61	460.81
<i>For Class 52 Rating, Deduct</i>	-327.52	
<i>For Class 54 Rating, Add</i>	454.99	
<i>For Class 55 Rating, Add</i>	680.72	
<i>For Class 56 Rating, Add</i>	903.47	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,774.63	464.76
<i>For Class 52 Rating, Deduct</i>	-337.75	
<i>For Class 54 Rating, Add</i>	469.02	
<i>For Class 55 Rating, Add</i>	701.61	
<i>For Class 56 Rating, Add</i>	931.14	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,873.64	468.69
<i>For Class 52 Rating, Deduct</i>	-347.99	
<i>For Class 54 Rating, Add</i>	483.05	
<i>For Class 55 Rating, Add</i>	722.50	
<i>For Class 56 Rating, Add</i>	958.80	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,972.65	472.63
<i>For Class 52 Rating, Deduct</i>	-358.22	
<i>For Class 54 Rating, Add</i>	497.08	
<i>For Class 55 Rating, Add</i>	743.40	
<i>For Class 56 Rating, Add</i>	986.46	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,071.66	476.57
<i>For Class 52 Rating, Deduct</i>	-368.45	
<i>For Class 54 Rating, Add</i>	511.10	
<i>For Class 55 Rating, Add</i>	764.29	
<i>For Class 56 Rating, Add</i>	1,014.12	
40 05 19 00-0666 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,170.67	480.50
<i>For Class 52 Rating, Deduct</i>	-378.69	
<i>For Class 54 Rating, Add</i>	525.13	
<i>For Class 55 Rating, Add</i>	785.18	
<i>For Class 56 Rating, Add</i>	1,041.79	
40 05 19 00-0667 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,269.68	484.45
<i>For Class 52 Rating, Deduct</i>	-388.92	
<i>For Class 54 Rating, Add</i>	539.16	
<i>For Class 55 Rating, Add</i>	806.07	
<i>For Class 56 Rating, Add</i>	1,069.45	
40 05 19 00-0668 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,368.70	488.39
<i>For Class 52 Rating, Deduct</i>	-399.16	
<i>For Class 54 Rating, Add</i>	553.19	
<i>For Class 55 Rating, Add</i>	826.96	
<i>For Class 56 Rating, Add</i>	1,097.11	
40 05 19 00-0669 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,467.72	492.32
<i>For Class 52 Rating, Deduct</i>	-409.39	
<i>For Class 54 Rating, Add</i>	567.22	
<i>For Class 55 Rating, Add</i>	847.86	
<i>For Class 56 Rating, Add</i>	1,124.78	
40 05 19 00-0670 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,566.72	496.26
<i>For Class 52 Rating, Deduct</i>	-419.63	
<i>For Class 54 Rating, Add</i>	581.24	
<i>For Class 55 Rating, Add</i>	868.75	
<i>For Class 56 Rating, Add</i>	1,152.44	
40 05 19 00-0671 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,665.73	500.20
<i>For Class 52 Rating, Deduct</i>	-429.86	
<i>For Class 54 Rating, Add</i>	595.27	
<i>For Class 55 Rating, Add</i>	889.64	
<i>For Class 56 Rating, Add</i>	1,180.10	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,764.75	504.13
			<i>For Class 52 Rating, Deduct</i>	-440.10	
			<i>For Class 54 Rating, Add</i>	609.30	
			<i>For Class 55 Rating, Add</i>	910.53	
			<i>For Class 56 Rating, Add</i>	1,207.76	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,863.76	508.08
			<i>For Class 52 Rating, Deduct</i>	-450.33	
			<i>For Class 54 Rating, Add</i>	623.33	
			<i>For Class 55 Rating, Add</i>	931.42	
			<i>For Class 56 Rating, Add</i>	1,235.43	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,962.77	512.02
			<i>For Class 52 Rating, Deduct</i>	-460.57	
			<i>For Class 54 Rating, Add</i>	637.36	
			<i>For Class 55 Rating, Add</i>	952.32	
			<i>For Class 56 Rating, Add</i>	1,263.09	
40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)					
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,501.54	441.13
			<i>For Class 52 Rating, Deduct</i>	-91.65	
			<i>For Class 54 Rating, Add</i>	133.00	
			<i>For Class 55 Rating, Add</i>	201.84	
			<i>For Class 56 Rating, Add</i>	269.85	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,630.15	445.06
			<i>For Class 52 Rating, Deduct</i>	-105.14	
			<i>For Class 54 Rating, Add</i>	151.46	
			<i>For Class 55 Rating, Add</i>	229.33	
			<i>For Class 56 Rating, Add</i>	306.24	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,758.77	449.00
			<i>For Class 52 Rating, Deduct</i>	-118.63	
			<i>For Class 54 Rating, Add</i>	169.93	
			<i>For Class 55 Rating, Add</i>	256.83	
			<i>For Class 56 Rating, Add</i>	342.64	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,887.39	452.94
			<i>For Class 52 Rating, Deduct</i>	-132.12	
			<i>For Class 54 Rating, Add</i>	188.40	
			<i>For Class 55 Rating, Add</i>	284.32	
			<i>For Class 56 Rating, Add</i>	379.04	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.99	456.87
			<i>For Class 52 Rating, Deduct</i>	-145.61	
			<i>For Class 54 Rating, Add</i>	206.87	
			<i>For Class 55 Rating, Add</i>	311.81	
			<i>For Class 56 Rating, Add</i>	415.43	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,144.61	460.81
			<i>For Class 52 Rating, Deduct</i>	-159.11	
			<i>For Class 54 Rating, Add</i>	225.34	
			<i>For Class 55 Rating, Add</i>	339.31	
			<i>For Class 56 Rating, Add</i>	451.83	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,273.23	464.76
			<i>For Class 52 Rating, Deduct</i>	-172.60	
			<i>For Class 54 Rating, Add</i>	243.81	
			<i>For Class 55 Rating, Add</i>	366.80	
			<i>For Class 56 Rating, Add</i>	488.22	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,401.85	468.69
			<i>For Class 52 Rating, Deduct</i>	-186.09	
			<i>For Class 54 Rating, Add</i>	262.28	
			<i>For Class 55 Rating, Add</i>	394.29	
			<i>For Class 56 Rating, Add</i>	524.62	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,530.46	472.63
			<i>For Class 52 Rating, Deduct</i>	-199.58	
			<i>For Class 54 Rating, Add</i>	280.75	
			<i>For Class 55 Rating, Add</i>	421.79	
			<i>For Class 56 Rating, Add</i>	561.02	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.08	476.57
			<i>For Class 52 Rating, Deduct</i>	-213.07	
			<i>For Class 54 Rating, Add</i>	299.22	
			<i>For Class 55 Rating, Add</i>	449.28	
			<i>For Class 56 Rating, Add</i>	597.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,787.70	480.50
For Class 52 Rating, Deduct	-226.56	
For Class 54 Rating, Add	317.69	
For Class 55 Rating, Add	476.78	
For Class 56 Rating, Add	633.81	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,916.31	484.45
For Class 52 Rating, Deduct	-240.05	
For Class 54 Rating, Add	336.15	
For Class 55 Rating, Add	504.27	
For Class 56 Rating, Add	670.21	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,044.94	488.39
For Class 52 Rating, Deduct	-253.55	
For Class 54 Rating, Add	354.62	
For Class 55 Rating, Add	531.77	
For Class 56 Rating, Add	706.60	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,173.56	492.32
For Class 52 Rating, Deduct	-267.04	
For Class 54 Rating, Add	373.09	
For Class 55 Rating, Add	559.26	
For Class 56 Rating, Add	743.00	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,302.17	496.26
For Class 52 Rating, Deduct	-280.53	
For Class 54 Rating, Add	391.56	
For Class 55 Rating, Add	586.75	
For Class 56 Rating, Add	779.40	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,430.78	500.20
For Class 52 Rating, Deduct	-294.02	
For Class 54 Rating, Add	410.03	
For Class 55 Rating, Add	614.25	
For Class 56 Rating, Add	815.79	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,559.40	504.13
For Class 52 Rating, Deduct	-307.51	
For Class 54 Rating, Add	428.50	
For Class 55 Rating, Add	641.74	
For Class 56 Rating, Add	852.19	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,688.02	508.08
For Class 52 Rating, Deduct	-321.00	
For Class 54 Rating, Add	446.97	
For Class 55 Rating, Add	669.23	
For Class 56 Rating, Add	888.58	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,816.63	512.02
For Class 52 Rating, Deduct	-334.49	
For Class 54 Rating, Add	465.44	
For Class 55 Rating, Add	696.73	
For Class 56 Rating, Add	924.98	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,945.25	515.95
For Class 52 Rating, Deduct	-347.99	
For Class 54 Rating, Add	483.91	
For Class 55 Rating, Add	724.22	
For Class 56 Rating, Add	961.38	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,073.87	519.89
For Class 52 Rating, Deduct	-361.48	
For Class 54 Rating, Add	502.38	
For Class 55 Rating, Add	751.72	
For Class 56 Rating, Add	997.77	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,202.48	523.83
For Class 52 Rating, Deduct	-374.97	
For Class 54 Rating, Add	520.84	
For Class 55 Rating, Add	779.21	
For Class 56 Rating, Add	1,034.17	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,331.10	527.77
For Class 52 Rating, Deduct	-388.46	
For Class 54 Rating, Add	539.31	
For Class 55 Rating, Add	806.70	
For Class 56 Rating, Add	1,070.57	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,459.72	531.71
For Class 52 Rating, Deduct	-401.95	
For Class 54 Rating, Add	557.78	
For Class 55 Rating, Add	834.20	
For Class 56 Rating, Add	1,106.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,588.33	535.65
			<i>For Class 52 Rating, Deduct</i>	-415.44	
			<i>For Class 54 Rating, Add</i>	576.25	
			<i>For Class 55 Rating, Add</i>	861.69	
			<i>For Class 56 Rating, Add</i>	1,143.36	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,716.95	539.58
			<i>For Class 52 Rating, Deduct</i>	-428.93	
			<i>For Class 54 Rating, Add</i>	594.72	
			<i>For Class 55 Rating, Add</i>	889.19	
			<i>For Class 56 Rating, Add</i>	1,179.75	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,845.57	543.52
			<i>For Class 52 Rating, Deduct</i>	-442.43	
			<i>For Class 54 Rating, Add</i>	613.19	
			<i>For Class 55 Rating, Add</i>	916.68	
			<i>For Class 56 Rating, Add</i>	1,216.15	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,974.18	547.46
			<i>For Class 52 Rating, Deduct</i>	-455.92	
			<i>For Class 54 Rating, Add</i>	631.66	
			<i>For Class 55 Rating, Add</i>	944.17	
			<i>For Class 56 Rating, Add</i>	1,252.55	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,102.79	551.40
			<i>For Class 52 Rating, Deduct</i>	-469.41	
			<i>For Class 54 Rating, Add</i>	650.13	
			<i>For Class 55 Rating, Add</i>	971.67	
			<i>For Class 56 Rating, Add</i>	1,288.94	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,231.41	555.34
			<i>For Class 52 Rating, Deduct</i>	-482.90	
			<i>For Class 54 Rating, Add</i>	668.60	
			<i>For Class 55 Rating, Add</i>	999.16	
			<i>For Class 56 Rating, Add</i>	1,325.34	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,360.03	559.28
			<i>For Class 52 Rating, Deduct</i>	-496.39	
			<i>For Class 54 Rating, Add</i>	687.06	
			<i>For Class 55 Rating, Add</i>	1,026.66	
			<i>For Class 56 Rating, Add</i>	1,361.73	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,488.65	563.22
			<i>For Class 52 Rating, Deduct</i>	-509.88	
			<i>For Class 54 Rating, Add</i>	705.53	
			<i>For Class 55 Rating, Add</i>	1,054.15	
			<i>For Class 56 Rating, Add</i>	1,398.13	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.27	567.15
			<i>For Class 52 Rating, Deduct</i>	-523.37	
			<i>For Class 54 Rating, Add</i>	724.00	
			<i>For Class 55 Rating, Add</i>	1,081.64	
			<i>For Class 56 Rating, Add</i>	1,434.53	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,745.89	571.10
			<i>For Class 52 Rating, Deduct</i>	-536.86	
			<i>For Class 54 Rating, Add</i>	742.47	
			<i>For Class 55 Rating, Add</i>	1,109.14	
			<i>For Class 56 Rating, Add</i>	1,470.92	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,874.50	575.04
			<i>For Class 52 Rating, Deduct</i>	-550.36	
			<i>For Class 54 Rating, Add</i>	760.94	
			<i>For Class 55 Rating, Add</i>	1,136.63	
			<i>For Class 56 Rating, Add</i>	1,507.32	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,003.12	578.97
			<i>For Class 52 Rating, Deduct</i>	-563.85	
			<i>For Class 54 Rating, Add</i>	779.41	
			<i>For Class 55 Rating, Add</i>	1,164.13	
			<i>For Class 56 Rating, Add</i>	1,543.72	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,131.74	582.91
			<i>For Class 52 Rating, Deduct</i>	-577.34	
			<i>For Class 54 Rating, Add</i>	797.88	
			<i>For Class 55 Rating, Add</i>	1,191.62	
			<i>For Class 56 Rating, Add</i>	1,580.11	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,260.36	586.85
			<i>For Class 52 Rating, Deduct</i>	-590.83	
			<i>For Class 54 Rating, Add</i>	816.35	
			<i>For Class 55 Rating, Add</i>	1,219.12	
			<i>For Class 56 Rating, Add</i>	1,616.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714 EA 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,388.96	590.78
For Class 52 Rating, Deduct	-604.32	
For Class 54 Rating, Add	834.82	
For Class 55 Rating, Add	1,246.61	
For Class 56 Rating, Add	1,652.90	
40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716 EA 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.29	551.40
For Class 52 Rating, Deduct	-121.42	
For Class 54 Rating, Add	175.60	
For Class 55 Rating, Add	266.21	
For Class 56 Rating, Add	355.71	
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,099.63	555.34
For Class 52 Rating, Deduct	-138.40	
For Class 54 Rating, Add	198.83	
For Class 55 Rating, Add	300.77	
For Class 56 Rating, Add	401.46	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,259.97	559.28
For Class 52 Rating, Deduct	-155.38	
For Class 54 Rating, Add	222.06	
For Class 55 Rating, Add	335.34	
For Class 56 Rating, Add	447.22	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,420.31	563.22
For Class 52 Rating, Deduct	-172.36	
For Class 54 Rating, Add	245.28	
For Class 55 Rating, Add	369.91	
For Class 56 Rating, Add	492.97	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,580.65	567.15
For Class 52 Rating, Deduct	-189.35	
For Class 54 Rating, Add	268.51	
For Class 55 Rating, Add	404.48	
For Class 56 Rating, Add	538.73	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,740.99	571.10
For Class 52 Rating, Deduct	-206.33	
For Class 54 Rating, Add	291.74	
For Class 55 Rating, Add	439.05	
For Class 56 Rating, Add	584.48	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,901.31	575.04
For Class 52 Rating, Deduct	-223.31	
For Class 54 Rating, Add	314.96	
For Class 55 Rating, Add	473.61	
For Class 56 Rating, Add	630.23	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,061.65	578.97
For Class 52 Rating, Deduct	-240.29	
For Class 54 Rating, Add	338.19	
For Class 55 Rating, Add	508.18	
For Class 56 Rating, Add	675.98	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,221.99	582.91
For Class 52 Rating, Deduct	-257.27	
For Class 54 Rating, Add	361.42	
For Class 55 Rating, Add	542.75	
For Class 56 Rating, Add	721.74	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,382.33	586.85
For Class 52 Rating, Deduct	-274.25	
For Class 54 Rating, Add	384.64	
For Class 55 Rating, Add	577.31	
For Class 56 Rating, Add	767.49	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,542.66	590.78
For Class 52 Rating, Deduct	-291.23	
For Class 54 Rating, Add	407.87	
For Class 55 Rating, Add	611.88	
For Class 56 Rating, Add	813.25	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.00	594.73
For Class 52 Rating, Deduct	-308.21	
For Class 54 Rating, Add	431.10	
For Class 55 Rating, Add	646.45	
For Class 56 Rating, Add	859.00	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.34	598.67
			<i>For Class 52 Rating, Deduct</i>	-325.19	
			<i>For Class 54 Rating, Add</i>	454.33	
			<i>For Class 55 Rating, Add</i>	681.02	
			<i>For Class 56 Rating, Add</i>	904.75	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,023.67	602.60
			<i>For Class 52 Rating, Deduct</i>	-342.17	
			<i>For Class 54 Rating, Add</i>	477.55	
			<i>For Class 55 Rating, Add</i>	715.59	
			<i>For Class 56 Rating, Add</i>	950.51	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,184.00	606.54
			<i>For Class 52 Rating, Deduct</i>	-359.15	
			<i>For Class 54 Rating, Add</i>	500.78	
			<i>For Class 55 Rating, Add</i>	750.15	
			<i>For Class 56 Rating, Add</i>	996.26	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,344.34	610.48
			<i>For Class 52 Rating, Deduct</i>	-376.13	
			<i>For Class 54 Rating, Add</i>	524.01	
			<i>For Class 55 Rating, Add</i>	784.72	
			<i>For Class 56 Rating, Add</i>	1,042.01	
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,504.67	614.42
			<i>For Class 52 Rating, Deduct</i>	-393.11	
			<i>For Class 54 Rating, Add</i>	547.23	
			<i>For Class 55 Rating, Add</i>	819.29	
			<i>For Class 56 Rating, Add</i>	1,087.77	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,665.01	618.36
			<i>For Class 52 Rating, Deduct</i>	-410.09	
			<i>For Class 54 Rating, Add</i>	570.46	
			<i>For Class 55 Rating, Add</i>	853.85	
			<i>For Class 56 Rating, Add</i>	1,133.52	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,825.35	622.30
			<i>For Class 52 Rating, Deduct</i>	-427.07	
			<i>For Class 54 Rating, Add</i>	593.69	
			<i>For Class 55 Rating, Add</i>	888.42	
			<i>For Class 56 Rating, Add</i>	1,179.27	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,985.69	626.23
			<i>For Class 52 Rating, Deduct</i>	-444.05	
			<i>For Class 54 Rating, Add</i>	616.91	
			<i>For Class 55 Rating, Add</i>	922.99	
			<i>For Class 56 Rating, Add</i>	1,225.03	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,146.02	630.17
			<i>For Class 52 Rating, Deduct</i>	-461.03	
			<i>For Class 54 Rating, Add</i>	640.14	
			<i>For Class 55 Rating, Add</i>	957.56	
			<i>For Class 56 Rating, Add</i>	1,270.78	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,306.36	634.11
			<i>For Class 52 Rating, Deduct</i>	-478.01	
			<i>For Class 54 Rating, Add</i>	663.37	
			<i>For Class 55 Rating, Add</i>	992.13	
			<i>For Class 56 Rating, Add</i>	1,316.54	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,466.70	638.05
			<i>For Class 52 Rating, Deduct</i>	-494.99	
			<i>For Class 54 Rating, Add</i>	686.59	
			<i>For Class 55 Rating, Add</i>	1,026.69	
			<i>For Class 56 Rating, Add</i>	1,362.29	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,627.03	641.99
			<i>For Class 52 Rating, Deduct</i>	-511.98	
			<i>For Class 54 Rating, Add</i>	709.82	
			<i>For Class 55 Rating, Add</i>	1,061.26	
			<i>For Class 56 Rating, Add</i>	1,408.04	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,787.37	645.93
			<i>For Class 52 Rating, Deduct</i>	-528.96	
			<i>For Class 54 Rating, Add</i>	733.05	
			<i>For Class 55 Rating, Add</i>	1,095.83	
			<i>For Class 56 Rating, Add</i>	1,453.80	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,947.71	649.86
			<i>For Class 52 Rating, Deduct</i>	-545.94	
			<i>For Class 54 Rating, Add</i>	756.27	
			<i>For Class 55 Rating, Add</i>	1,130.39	
			<i>For Class 56 Rating, Add</i>	1,499.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,108.04	653.80
For Class 52 Rating, Deduct	-562.92	
For Class 54 Rating, Add	779.50	
For Class 55 Rating, Add	1,164.96	
For Class 56 Rating, Add	1,545.30	
40 05 19 00-0743 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,268.38	657.75
For Class 52 Rating, Deduct	-579.90	
For Class 54 Rating, Add	802.73	
For Class 55 Rating, Add	1,199.53	
For Class 56 Rating, Add	1,591.06	
40 05 19 00-0744 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,428.72	661.68
For Class 52 Rating, Deduct	-596.88	
For Class 54 Rating, Add	825.96	
For Class 55 Rating, Add	1,234.10	
For Class 56 Rating, Add	1,636.81	
40 05 19 00-0745 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,589.06	665.62
For Class 52 Rating, Deduct	-613.86	
For Class 54 Rating, Add	849.18	
For Class 55 Rating, Add	1,268.66	
For Class 56 Rating, Add	1,682.57	
40 05 19 00-0746 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,749.38	669.56
For Class 52 Rating, Deduct	-630.84	
For Class 54 Rating, Add	872.41	
For Class 55 Rating, Add	1,303.23	
For Class 56 Rating, Add	1,728.32	
40 05 19 00-0747 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,909.72	673.49
For Class 52 Rating, Deduct	-647.82	
For Class 54 Rating, Add	895.64	
For Class 55 Rating, Add	1,337.80	
For Class 56 Rating, Add	1,774.07	
40 05 19 00-0748 EA 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,070.06	677.44
For Class 52 Rating, Deduct	-664.80	
For Class 54 Rating, Add	918.86	
For Class 55 Rating, Add	1,372.37	
For Class 56 Rating, Add	1,819.82	
40 05 19 00-0749 EA 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,230.39	681.38
For Class 52 Rating, Deduct	-681.78	
For Class 54 Rating, Add	942.09	
For Class 55 Rating, Add	1,406.93	
For Class 56 Rating, Add	1,865.58	
40 05 19 00-0750 EA 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,390.73	685.31
For Class 52 Rating, Deduct	-698.76	
For Class 54 Rating, Add	965.32	
For Class 55 Rating, Add	1,441.50	
For Class 56 Rating, Add	1,911.33	
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,551.07	689.25
For Class 52 Rating, Deduct	-715.74	
For Class 54 Rating, Add	988.54	
For Class 55 Rating, Add	1,476.07	
For Class 56 Rating, Add	1,957.09	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,711.41	693.19
For Class 52 Rating, Deduct	-732.72	
For Class 54 Rating, Add	1,011.77	
For Class 55 Rating, Add	1,510.64	
For Class 56 Rating, Add	2,002.84	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,871.73	697.12
For Class 52 Rating, Deduct	-749.70	
For Class 54 Rating, Add	1,035.00	
For Class 55 Rating, Add	1,545.20	
For Class 56 Rating, Add	2,048.59	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,032.07	701.07
For Class 52 Rating, Deduct	-766.68	
For Class 54 Rating, Add	1,058.22	
For Class 55 Rating, Add	1,579.77	
For Class 56 Rating, Add	2,094.35	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined,
Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA	14"	Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,651.97	661.68
			<i>For Class 52 Rating, Deduct</i>	-181.44	
			<i>For Class 54 Rating, Add</i>	259.44	
			<i>For Class 55 Rating, Add</i>	391.88	
			<i>For Class 56 Rating, Add</i>	522.67	
40 05 19 00-0757	EA	14"	Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,846.14	665.62
			<i>For Class 52 Rating, Deduct</i>	-202.14	
			<i>For Class 54 Rating, Add</i>	287.75	
			<i>For Class 55 Rating, Add</i>	433.99	
			<i>For Class 56 Rating, Add</i>	578.40	
40 05 19 00-0758	EA	14"	Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.31	669.56
			<i>For Class 52 Rating, Deduct</i>	-222.84	
			<i>For Class 54 Rating, Add</i>	316.05	
			<i>For Class 55 Rating, Add</i>	476.11	
			<i>For Class 56 Rating, Add</i>	634.14	
40 05 19 00-0759	EA	14"	Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,234.48	673.49
			<i>For Class 52 Rating, Deduct</i>	-243.54	
			<i>For Class 54 Rating, Add</i>	344.35	
			<i>For Class 55 Rating, Add</i>	518.22	
			<i>For Class 56 Rating, Add</i>	689.88	
40 05 19 00-0760	EA	14"	Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.65	677.44
			<i>For Class 52 Rating, Deduct</i>	-264.25	
			<i>For Class 54 Rating, Add</i>	372.65	
			<i>For Class 55 Rating, Add</i>	560.33	
			<i>For Class 56 Rating, Add</i>	745.61	
40 05 19 00-0761	EA	14"	Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,622.81	681.38
			<i>For Class 52 Rating, Deduct</i>	-284.95	
			<i>For Class 54 Rating, Add</i>	400.95	
			<i>For Class 55 Rating, Add</i>	602.44	
			<i>For Class 56 Rating, Add</i>	801.34	
40 05 19 00-0762	EA	14"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,816.99	685.31
			<i>For Class 52 Rating, Deduct</i>	-305.65	
			<i>For Class 54 Rating, Add</i>	429.26	
			<i>For Class 55 Rating, Add</i>	644.56	
			<i>For Class 56 Rating, Add</i>	857.08	
40 05 19 00-0763	EA	14"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,011.16	689.25
			<i>For Class 52 Rating, Deduct</i>	-326.35	
			<i>For Class 54 Rating, Add</i>	457.56	
			<i>For Class 55 Rating, Add</i>	686.67	
			<i>For Class 56 Rating, Add</i>	912.81	
40 05 19 00-0764	EA	14"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,205.33	693.19
			<i>For Class 52 Rating, Deduct</i>	-347.05	
			<i>For Class 54 Rating, Add</i>	485.86	
			<i>For Class 55 Rating, Add</i>	728.78	
			<i>For Class 56 Rating, Add</i>	968.55	
40 05 19 00-0765	EA	14"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,399.50	697.12
			<i>For Class 52 Rating, Deduct</i>	-367.76	
			<i>For Class 54 Rating, Add</i>	514.16	
			<i>For Class 55 Rating, Add</i>	770.89	
			<i>For Class 56 Rating, Add</i>	1,024.28	
40 05 19 00-0766	EA	14"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,593.67	701.07
			<i>For Class 52 Rating, Deduct</i>	-388.46	
			<i>For Class 54 Rating, Add</i>	542.46	
			<i>For Class 55 Rating, Add</i>	813.01	
			<i>For Class 56 Rating, Add</i>	1,080.02	
40 05 19 00-0767	EA	14"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,787.84	705.01
			<i>For Class 52 Rating, Deduct</i>	-409.16	
			<i>For Class 54 Rating, Add</i>	570.77	
			<i>For Class 55 Rating, Add</i>	855.12	
			<i>For Class 56 Rating, Add</i>	1,135.75	
40 05 19 00-0768	EA	14"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,982.00	708.94
			<i>For Class 52 Rating, Deduct</i>	-429.86	
			<i>For Class 54 Rating, Add</i>	599.07	
			<i>For Class 55 Rating, Add</i>	897.23	
			<i>For Class 56 Rating, Add</i>	1,191.49	
40 05 19 00-0769	EA	14"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,176.19	712.88
			<i>For Class 52 Rating, Deduct</i>	-450.57	
			<i>For Class 54 Rating, Add</i>	627.37	
			<i>For Class 55 Rating, Add</i>	939.34	
			<i>For Class 56 Rating, Add</i>	1,247.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770 EA 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,370.36	716.82
For Class 52 Rating, Deduct	-471.27	
For Class 54 Rating, Add	655.67	
For Class 55 Rating, Add	981.46	
For Class 56 Rating, Add	1,302.96	
40 05 19 00-0771 EA 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,564.52	720.76
For Class 52 Rating, Deduct	-491.97	
For Class 54 Rating, Add	683.97	
For Class 55 Rating, Add	1,023.57	
For Class 56 Rating, Add	1,358.69	
40 05 19 00-0772 EA 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,758.70	724.70
For Class 52 Rating, Deduct	-512.67	
For Class 54 Rating, Add	712.28	
For Class 55 Rating, Add	1,065.68	
For Class 56 Rating, Add	1,414.43	
40 05 19 00-0773 EA 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,952.87	728.64
For Class 52 Rating, Deduct	-533.38	
For Class 54 Rating, Add	740.58	
For Class 55 Rating, Add	1,107.79	
For Class 56 Rating, Add	1,470.16	
40 05 19 00-0774 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,147.04	732.58
For Class 52 Rating, Deduct	-554.08	
For Class 54 Rating, Add	768.88	
For Class 55 Rating, Add	1,149.91	
For Class 56 Rating, Add	1,525.89	
40 05 19 00-0775 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,341.21	736.51
For Class 52 Rating, Deduct	-574.78	
For Class 54 Rating, Add	797.18	
For Class 55 Rating, Add	1,192.02	
For Class 56 Rating, Add	1,581.63	
40 05 19 00-0776 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,535.38	740.45
For Class 52 Rating, Deduct	-595.48	
For Class 54 Rating, Add	825.48	
For Class 55 Rating, Add	1,234.13	
For Class 56 Rating, Add	1,637.37	
40 05 19 00-0777 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,729.55	744.40
For Class 52 Rating, Deduct	-616.18	
For Class 54 Rating, Add	853.79	
For Class 55 Rating, Add	1,276.24	
For Class 56 Rating, Add	1,693.10	
40 05 19 00-0778 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,923.71	748.33
For Class 52 Rating, Deduct	-636.89	
For Class 54 Rating, Add	882.09	
For Class 55 Rating, Add	1,318.36	
For Class 56 Rating, Add	1,748.83	
40 05 19 00-0779 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,117.89	752.27
For Class 52 Rating, Deduct	-657.59	
For Class 54 Rating, Add	910.39	
For Class 55 Rating, Add	1,360.47	
For Class 56 Rating, Add	1,804.57	
40 05 19 00-0780 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,312.06	756.21
For Class 52 Rating, Deduct	-678.29	
For Class 54 Rating, Add	938.69	
For Class 55 Rating, Add	1,402.58	
For Class 56 Rating, Add	1,860.30	
40 05 19 00-0781 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,506.22	760.14
For Class 52 Rating, Deduct	-698.99	
For Class 54 Rating, Add	966.99	
For Class 55 Rating, Add	1,444.69	
For Class 56 Rating, Add	1,916.04	
40 05 19 00-0782 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,700.40	764.09
For Class 52 Rating, Deduct	-719.70	
For Class 54 Rating, Add	995.30	
For Class 55 Rating, Add	1,486.81	
For Class 56 Rating, Add	1,971.77	
40 05 19 00-0783 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,894.57	768.03
For Class 52 Rating, Deduct	-740.40	
For Class 54 Rating, Add	1,023.60	
For Class 55 Rating, Add	1,528.92	
For Class 56 Rating, Add	2,027.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784 EA 14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,088.74	771.96
For Class 52 Rating, Deduct	-761.10	
For Class 54 Rating, Add	1,051.90	
For Class 55 Rating, Add	1,571.03	
For Class 56 Rating, Add	2,083.24	
40 05 19 00-0785 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,282.90	775.90
For Class 52 Rating, Deduct	-781.80	
For Class 54 Rating, Add	1,080.20	
For Class 55 Rating, Add	1,613.14	
For Class 56 Rating, Add	2,138.98	
40 05 19 00-0786 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,477.08	779.84
For Class 52 Rating, Deduct	-802.51	
For Class 54 Rating, Add	1,108.51	
For Class 55 Rating, Add	1,655.26	
For Class 56 Rating, Add	2,194.71	
40 05 19 00-0787 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,671.25	783.77
For Class 52 Rating, Deduct	-823.21	
For Class 54 Rating, Add	1,136.81	
For Class 55 Rating, Add	1,697.37	
For Class 56 Rating, Add	2,250.45	
40 05 19 00-0788 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,865.42	787.72
For Class 52 Rating, Deduct	-843.91	
For Class 54 Rating, Add	1,165.11	
For Class 55 Rating, Add	1,739.48	
For Class 56 Rating, Add	2,306.18	
40 05 19 00-0789 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,059.60	791.66
For Class 52 Rating, Deduct	-864.61	
For Class 54 Rating, Add	1,193.41	
For Class 55 Rating, Add	1,781.59	
For Class 56 Rating, Add	2,361.92	
40 05 19 00-0790 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,253.77	795.59
For Class 52 Rating, Deduct	-885.32	
For Class 54 Rating, Add	1,221.71	
For Class 55 Rating, Add	1,823.71	
For Class 56 Rating, Add	2,417.65	
40 05 19 00-0791 EA 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,447.93	799.53
For Class 52 Rating, Deduct	-906.02	
For Class 54 Rating, Add	1,250.01	
For Class 55 Rating, Add	1,865.82	
For Class 56 Rating, Add	2,473.38	
40 05 19 00-0792 EA 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,642.11	803.47
For Class 52 Rating, Deduct	-926.72	
For Class 54 Rating, Add	1,278.32	
For Class 55 Rating, Add	1,907.93	
For Class 56 Rating, Add	2,529.12	
40 05 19 00-0793 EA 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,836.28	807.41
For Class 52 Rating, Deduct	-947.42	
For Class 54 Rating, Add	1,306.62	
For Class 55 Rating, Add	1,950.04	
For Class 56 Rating, Add	2,584.85	
40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0795 EA 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,097.58	756.21
For Class 52 Rating, Deduct	-214.70	
For Class 54 Rating, Add	306.52	
For Class 55 Rating, Add	462.75	
For Class 56 Rating, Add	617.03	
40 05 19 00-0796 EA 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,323.47	760.14
For Class 52 Rating, Deduct	-238.89	
For Class 54 Rating, Add	339.58	
For Class 55 Rating, Add	511.94	
For Class 56 Rating, Add	682.13	
40 05 19 00-0797 EA 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,549.36	764.09
For Class 52 Rating, Deduct	-263.08	
For Class 54 Rating, Add	372.64	
For Class 55 Rating, Add	561.12	
For Class 56 Rating, Add	747.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,775.25	768.03
<i>For Class 52 Rating, Deduct</i>	-287.27	
<i>For Class 54 Rating, Add</i>	405.70	
<i>For Class 55 Rating, Add</i>	610.31	
<i>For Class 56 Rating, Add</i>	812.31	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,001.14	771.96
<i>For Class 52 Rating, Deduct</i>	-311.47	
<i>For Class 54 Rating, Add</i>	438.76	
<i>For Class 55 Rating, Add</i>	659.50	
<i>For Class 56 Rating, Add</i>	877.40	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,227.03	775.90
<i>For Class 52 Rating, Deduct</i>	-335.66	
<i>For Class 54 Rating, Add</i>	471.82	
<i>For Class 55 Rating, Add</i>	708.68	
<i>For Class 56 Rating, Add</i>	942.49	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,452.92	779.84
<i>For Class 52 Rating, Deduct</i>	-359.85	
<i>For Class 54 Rating, Add</i>	504.88	
<i>For Class 55 Rating, Add</i>	757.87	
<i>For Class 56 Rating, Add</i>	1,007.58	
40 05 19 00-0802 EA 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,678.81	783.77
<i>For Class 52 Rating, Deduct</i>	-384.04	
<i>For Class 54 Rating, Add</i>	537.94	
<i>For Class 55 Rating, Add</i>	807.05	
<i>For Class 56 Rating, Add</i>	1,072.68	
40 05 19 00-0803 EA 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,904.70	787.72
<i>For Class 52 Rating, Deduct</i>	-408.23	
<i>For Class 54 Rating, Add</i>	571.00	
<i>For Class 55 Rating, Add</i>	856.24	
<i>For Class 56 Rating, Add</i>	1,137.77	
40 05 19 00-0804 EA 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,109.45	791.66
<i>For Class 52 Rating, Deduct</i>	-430.10	
<i>For Class 54 Rating, Add</i>	600.89	
<i>For Class 55 Rating, Add</i>	900.71	
<i>For Class 56 Rating, Add</i>	1,196.62	
40 05 19 00-0805 EA 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,356.49	795.59
<i>For Class 52 Rating, Deduct</i>	-456.61	
<i>For Class 54 Rating, Add</i>	637.12	
<i>For Class 55 Rating, Add</i>	954.61	
<i>For Class 56 Rating, Add</i>	1,267.95	
40 05 19 00-0806 EA 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,582.37	799.53
<i>For Class 52 Rating, Deduct</i>	-480.81	
<i>For Class 54 Rating, Add</i>	670.18	
<i>For Class 55 Rating, Add</i>	1,003.80	
<i>For Class 56 Rating, Add</i>	1,333.04	
40 05 19 00-0807 EA 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,808.26	803.47
<i>For Class 52 Rating, Deduct</i>	-505.00	
<i>For Class 54 Rating, Add</i>	703.24	
<i>For Class 55 Rating, Add</i>	1,052.98	
<i>For Class 56 Rating, Add</i>	1,398.14	
40 05 19 00-0808 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,034.16	807.41
<i>For Class 52 Rating, Deduct</i>	-529.19	
<i>For Class 54 Rating, Add</i>	736.30	
<i>For Class 55 Rating, Add</i>	1,102.17	
<i>For Class 56 Rating, Add</i>	1,463.23	
40 05 19 00-0809 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,260.05	811.35
<i>For Class 52 Rating, Deduct</i>	-553.38	
<i>For Class 54 Rating, Add</i>	769.36	
<i>For Class 55 Rating, Add</i>	1,151.36	
<i>For Class 56 Rating, Add</i>	1,528.32	
40 05 19 00-0810 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,485.93	815.29
<i>For Class 52 Rating, Deduct</i>	-577.57	
<i>For Class 54 Rating, Add</i>	802.42	
<i>For Class 55 Rating, Add</i>	1,200.54	
<i>For Class 56 Rating, Add</i>	1,593.41	
40 05 19 00-0811 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,711.82	819.22
<i>For Class 52 Rating, Deduct</i>	-601.76	
<i>For Class 54 Rating, Add</i>	835.48	
<i>For Class 55 Rating, Add</i>	1,249.73	
<i>For Class 56 Rating, Add</i>	1,658.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,937.72	823.16
			<i>For Class 52 Rating, Deduct</i>	-625.96	
			<i>For Class 54 Rating, Add</i>	868.54	
			<i>For Class 55 Rating, Add</i>	1,298.91	
			<i>For Class 56 Rating, Add</i>	1,723.60	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,163.60	827.10
			<i>For Class 52 Rating, Deduct</i>	-650.15	
			<i>For Class 54 Rating, Add</i>	901.60	
			<i>For Class 55 Rating, Add</i>	1,348.10	
			<i>For Class 56 Rating, Add</i>	1,788.69	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,389.49	831.04
			<i>For Class 52 Rating, Deduct</i>	-674.34	
			<i>For Class 54 Rating, Add</i>	934.66	
			<i>For Class 55 Rating, Add</i>	1,397.29	
			<i>For Class 56 Rating, Add</i>	1,853.78	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,615.38	834.98
			<i>For Class 52 Rating, Deduct</i>	-698.53	
			<i>For Class 54 Rating, Add</i>	967.72	
			<i>For Class 55 Rating, Add</i>	1,446.47	
			<i>For Class 56 Rating, Add</i>	1,918.87	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,841.27	838.92
			<i>For Class 52 Rating, Deduct</i>	-722.72	
			<i>For Class 54 Rating, Add</i>	1,000.78	
			<i>For Class 55 Rating, Add</i>	1,495.66	
			<i>For Class 56 Rating, Add</i>	1,983.96	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,067.16	842.85
			<i>For Class 52 Rating, Deduct</i>	-746.91	
			<i>For Class 54 Rating, Add</i>	1,033.84	
			<i>For Class 55 Rating, Add</i>	1,544.84	
			<i>For Class 56 Rating, Add</i>	2,049.06	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,293.05	846.79
			<i>For Class 52 Rating, Deduct</i>	-771.10	
			<i>For Class 54 Rating, Add</i>	1,066.90	
			<i>For Class 55 Rating, Add</i>	1,594.03	
			<i>For Class 56 Rating, Add</i>	2,114.15	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,518.94	850.74
			<i>For Class 52 Rating, Deduct</i>	-795.29	
			<i>For Class 54 Rating, Add</i>	1,099.96	
			<i>For Class 55 Rating, Add</i>	1,643.21	
			<i>For Class 56 Rating, Add</i>	2,179.24	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,744.83	854.67
			<i>For Class 52 Rating, Deduct</i>	-819.49	
			<i>For Class 54 Rating, Add</i>	1,133.02	
			<i>For Class 55 Rating, Add</i>	1,692.40	
			<i>For Class 56 Rating, Add</i>	2,244.33	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,970.73	858.61
			<i>For Class 52 Rating, Deduct</i>	-843.68	
			<i>For Class 54 Rating, Add</i>	1,166.08	
			<i>For Class 55 Rating, Add</i>	1,741.59	
			<i>For Class 56 Rating, Add</i>	2,309.42	
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,196.62	862.55
			<i>For Class 52 Rating, Deduct</i>	-867.87	
			<i>For Class 54 Rating, Add</i>	1,199.14	
			<i>For Class 55 Rating, Add</i>	1,790.77	
			<i>For Class 56 Rating, Add</i>	2,374.52	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,422.50	866.48
			<i>For Class 52 Rating, Deduct</i>	-892.06	
			<i>For Class 54 Rating, Add</i>	1,232.20	
			<i>For Class 55 Rating, Add</i>	1,839.96	
			<i>For Class 56 Rating, Add</i>	2,439.61	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,648.40	870.42
			<i>For Class 52 Rating, Deduct</i>	-916.25	
			<i>For Class 54 Rating, Add</i>	1,265.26	
			<i>For Class 55 Rating, Add</i>	1,889.15	
			<i>For Class 56 Rating, Add</i>	2,504.70	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,874.29	874.37
			<i>For Class 52 Rating, Deduct</i>	-940.44	
			<i>For Class 54 Rating, Add</i>	1,298.32	
			<i>For Class 55 Rating, Add</i>	1,938.33	
			<i>For Class 56 Rating, Add</i>	2,569.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,100.17	878.30
For Class 52 Rating, Deduct	-964.64	
For Class 54 Rating, Add	1,331.38	
For Class 55 Rating, Add	1,987.52	
For Class 56 Rating, Add	2,634.88	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,326.06	882.24
For Class 52 Rating, Deduct	-988.83	
For Class 54 Rating, Add	1,364.44	
For Class 55 Rating, Add	2,036.70	
For Class 56 Rating, Add	2,699.97	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,551.96	886.18
For Class 52 Rating, Deduct	-1,013.02	
For Class 54 Rating, Add	1,397.50	
For Class 55 Rating, Add	2,085.89	
For Class 56 Rating, Add	2,765.07	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,777.85	890.12
For Class 52 Rating, Deduct	-1,037.21	
For Class 54 Rating, Add	1,430.56	
For Class 55 Rating, Add	2,135.08	
For Class 56 Rating, Add	2,830.16	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	11,003.73	894.06
For Class 52 Rating, Deduct	-1,061.40	
For Class 54 Rating, Add	1,463.62	
For Class 55 Rating, Add	2,184.26	
For Class 56 Rating, Add	2,895.25	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	11,229.62	898.00
For Class 52 Rating, Deduct	-1,085.59	
For Class 54 Rating, Add	1,496.68	
For Class 55 Rating, Add	2,233.45	
For Class 56 Rating, Add	2,960.34	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	11,455.52	901.94
For Class 52 Rating, Deduct	-1,109.78	
For Class 54 Rating, Add	1,529.74	
For Class 55 Rating, Add	2,282.63	
For Class 56 Rating, Add	3,025.44	
 40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,606.91	852.31
For Class 52 Rating, Deduct	-254.71	
For Class 54 Rating, Add	362.83	
For Class 55 Rating, Add	547.36	
For Class 56 Rating, Add	729.57	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,866.63	856.26
For Class 52 Rating, Deduct	-282.62	
For Class 54 Rating, Add	400.96	
For Class 55 Rating, Add	604.09	
For Class 56 Rating, Add	804.64	
40 05 19 00-0836 EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,126.35	860.19
For Class 52 Rating, Deduct	-310.53	
For Class 54 Rating, Add	439.10	
For Class 55 Rating, Add	660.82	
For Class 56 Rating, Add	879.72	
40 05 19 00-0837 EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,386.08	864.13
For Class 52 Rating, Deduct	-338.45	
For Class 54 Rating, Add	477.23	
For Class 55 Rating, Add	717.55	
For Class 56 Rating, Add	954.79	
40 05 19 00-0838 EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,645.80	868.07
For Class 52 Rating, Deduct	-366.36	
For Class 54 Rating, Add	515.37	
For Class 55 Rating, Add	774.28	
For Class 56 Rating, Add	1,029.86	
40 05 19 00-0839 EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,905.52	872.00
For Class 52 Rating, Deduct	-394.27	
For Class 54 Rating, Add	553.50	
For Class 55 Rating, Add	831.01	
For Class 56 Rating, Add	1,104.94	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,165.25	875.94
			<i>For Class 52 Rating, Deduct</i>	-422.19	
			<i>For Class 54 Rating, Add</i>	591.64	
			<i>For Class 55 Rating, Add</i>	887.74	
			<i>For Class 56 Rating, Add</i>	1,180.01	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,424.98	879.89
			<i>For Class 52 Rating, Deduct</i>	-450.10	
			<i>For Class 54 Rating, Add</i>	629.77	
			<i>For Class 55 Rating, Add</i>	944.47	
			<i>For Class 56 Rating, Add</i>	1,255.08	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.70	883.82
			<i>For Class 52 Rating, Deduct</i>	-478.01	
			<i>For Class 54 Rating, Add</i>	667.91	
			<i>For Class 55 Rating, Add</i>	1,001.21	
			<i>For Class 56 Rating, Add</i>	1,330.16	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,944.42	887.76
			<i>For Class 52 Rating, Deduct</i>	-505.93	
			<i>For Class 54 Rating, Add</i>	706.04	
			<i>For Class 55 Rating, Add</i>	1,057.93	
			<i>For Class 56 Rating, Add</i>	1,405.23	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,204.16	891.70
			<i>For Class 52 Rating, Deduct</i>	-533.84	
			<i>For Class 54 Rating, Add</i>	744.18	
			<i>For Class 55 Rating, Add</i>	1,114.67	
			<i>For Class 56 Rating, Add</i>	1,480.30	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,463.88	895.63
			<i>For Class 52 Rating, Deduct</i>	-561.75	
			<i>For Class 54 Rating, Add</i>	782.31	
			<i>For Class 55 Rating, Add</i>	1,171.40	
			<i>For Class 56 Rating, Add</i>	1,555.38	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,723.60	899.58
			<i>For Class 52 Rating, Deduct</i>	-589.67	
			<i>For Class 54 Rating, Add</i>	820.45	
			<i>For Class 55 Rating, Add</i>	1,228.13	
			<i>For Class 56 Rating, Add</i>	1,630.45	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,983.33	903.52
			<i>For Class 52 Rating, Deduct</i>	-617.58	
			<i>For Class 54 Rating, Add</i>	858.58	
			<i>For Class 55 Rating, Add</i>	1,284.86	
			<i>For Class 56 Rating, Add</i>	1,705.52	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,243.05	907.46
			<i>For Class 52 Rating, Deduct</i>	-645.49	
			<i>For Class 54 Rating, Add</i>	896.72	
			<i>For Class 55 Rating, Add</i>	1,341.59	
			<i>For Class 56 Rating, Add</i>	1,780.60	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,502.77	911.39
			<i>For Class 52 Rating, Deduct</i>	-673.41	
			<i>For Class 54 Rating, Add</i>	934.85	
			<i>For Class 55 Rating, Add</i>	1,398.32	
			<i>For Class 56 Rating, Add</i>	1,855.67	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,762.50	915.33
			<i>For Class 52 Rating, Deduct</i>	-701.32	
			<i>For Class 54 Rating, Add</i>	972.99	
			<i>For Class 55 Rating, Add</i>	1,455.05	
			<i>For Class 56 Rating, Add</i>	1,930.74	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,022.23	919.27
			<i>For Class 52 Rating, Deduct</i>	-729.23	
			<i>For Class 54 Rating, Add</i>	1,011.12	
			<i>For Class 55 Rating, Add</i>	1,511.78	
			<i>For Class 56 Rating, Add</i>	2,005.81	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,281.94	923.21
			<i>For Class 52 Rating, Deduct</i>	-757.15	
			<i>For Class 54 Rating, Add</i>	1,049.26	
			<i>For Class 55 Rating, Add</i>	1,568.51	
			<i>For Class 56 Rating, Add</i>	2,080.89	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,541.67	927.15
			<i>For Class 52 Rating, Deduct</i>	-785.06	
			<i>For Class 54 Rating, Add</i>	1,087.39	
			<i>For Class 55 Rating, Add</i>	1,625.25	
			<i>For Class 56 Rating, Add</i>	2,155.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,801.40	931.09
Pipe	-812.97	
For Class 52 Rating, Deduct	1,125.53	
For Class 54 Rating, Add	1,681.98	
For Class 55 Rating, Add	2,231.03	
For Class 56 Rating, Add		
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,061.11	935.02
Pipe	-840.89	
For Class 52 Rating, Deduct	1,163.66	
For Class 54 Rating, Add	1,738.71	
For Class 55 Rating, Add	2,306.10	
For Class 56 Rating, Add		
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,320.84	938.96
Pipe	-868.80	
For Class 52 Rating, Deduct	1,201.80	
For Class 54 Rating, Add	1,795.44	
For Class 55 Rating, Add	2,381.18	
For Class 56 Rating, Add		
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,580.57	942.91
Pipe	-896.71	
For Class 52 Rating, Deduct	1,239.93	
For Class 54 Rating, Add	1,852.17	
For Class 55 Rating, Add	2,456.25	
For Class 56 Rating, Add		
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,840.28	946.84
Pipe	-924.63	
For Class 52 Rating, Deduct	1,278.07	
For Class 54 Rating, Add	1,908.90	
For Class 55 Rating, Add	2,531.32	
For Class 56 Rating, Add		
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,100.01	950.78
Pipe	-952.54	
For Class 52 Rating, Deduct	1,316.20	
For Class 54 Rating, Add	1,965.63	
For Class 55 Rating, Add	2,606.40	
For Class 56 Rating, Add		
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,359.74	954.72
Pipe	-980.45	
For Class 52 Rating, Deduct	1,354.34	
For Class 54 Rating, Add	2,022.36	
For Class 55 Rating, Add	2,681.47	
For Class 56 Rating, Add		
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,619.46	958.65
Pipe	-1,008.37	
For Class 52 Rating, Deduct	1,392.47	
For Class 54 Rating, Add	2,079.09	
For Class 55 Rating, Add	2,756.54	
For Class 56 Rating, Add		
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,879.18	962.59
Pipe	-1,036.28	
For Class 52 Rating, Deduct	1,430.61	
For Class 54 Rating, Add	2,135.82	
For Class 55 Rating, Add	2,831.62	
For Class 56 Rating, Add		
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,138.92	966.54
Pipe	-1,064.19	
For Class 52 Rating, Deduct	1,468.75	
For Class 54 Rating, Add	2,192.56	
For Class 55 Rating, Add	2,906.69	
For Class 56 Rating, Add		
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,398.64	970.47
Pipe	-1,092.11	
For Class 52 Rating, Deduct	1,506.88	
For Class 54 Rating, Add	2,249.29	
For Class 55 Rating, Add	2,981.76	
For Class 56 Rating, Add		
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,658.36	974.41
Pipe	-1,120.02	
For Class 52 Rating, Deduct	1,545.01	
For Class 54 Rating, Add	2,306.02	
For Class 55 Rating, Add	3,056.84	
For Class 56 Rating, Add		
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,918.09	978.35
Pipe	-1,147.93	
For Class 52 Rating, Deduct	1,583.15	
For Class 54 Rating, Add	2,362.75	
For Class 55 Rating, Add	3,131.91	
For Class 56 Rating, Add		
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,177.82	982.28
Pipe	-1,175.85	
For Class 52 Rating, Deduct	1,621.29	
For Class 54 Rating, Add	2,419.48	
For Class 55 Rating, Add	3,206.98	
For Class 56 Rating, Add		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,437.54	986.23
			<i>For Class 52 Rating, Deduct</i>	-1,203.76	
			<i>For Class 54 Rating, Add</i>	1,659.42	
			<i>For Class 55 Rating, Add</i>	2,476.21	
			<i>For Class 56 Rating, Add</i>	3,282.06	
40 05 19 00-0869	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,697.26	990.17
			<i>For Class 52 Rating, Deduct</i>	-1,231.67	
			<i>For Class 54 Rating, Add</i>	1,697.56	
			<i>For Class 55 Rating, Add</i>	2,532.94	
			<i>For Class 56 Rating, Add</i>	3,357.13	
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,956.99	994.10
			<i>For Class 52 Rating, Deduct</i>	-1,259.59	
			<i>For Class 54 Rating, Add</i>	1,735.69	
			<i>For Class 55 Rating, Add</i>	2,589.67	
			<i>For Class 56 Rating, Add</i>	3,432.20	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,216.71	998.04
			<i>For Class 52 Rating, Deduct</i>	-1,287.50	
			<i>For Class 54 Rating, Add</i>	1,773.83	
			<i>For Class 55 Rating, Add</i>	2,646.40	
			<i>For Class 56 Rating, Add</i>	3,507.27	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,178.60	972.83
			<i>For Class 52 Rating, Deduct</i>	-297.51	
			<i>For Class 54 Rating, Add</i>	423.38	
			<i>For Class 55 Rating, Add</i>	638.51	
			<i>For Class 56 Rating, Add</i>	850.93	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,476.39	976.76
			<i>For Class 52 Rating, Deduct</i>	-329.61	
			<i>For Class 54 Rating, Add</i>	467.23	
			<i>For Class 55 Rating, Add</i>	703.72	
			<i>For Class 56 Rating, Add</i>	937.23	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,774.19	980.71
			<i>For Class 52 Rating, Deduct</i>	-361.71	
			<i>For Class 54 Rating, Add</i>	511.07	
			<i>For Class 55 Rating, Add</i>	768.95	
			<i>For Class 56 Rating, Add</i>	1,023.53	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,071.97	984.65
			<i>For Class 52 Rating, Deduct</i>	-393.81	
			<i>For Class 54 Rating, Add</i>	554.92	
			<i>For Class 55 Rating, Add</i>	834.17	
			<i>For Class 56 Rating, Add</i>	1,109.83	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,369.76	988.58
			<i>For Class 52 Rating, Deduct</i>	-425.91	
			<i>For Class 54 Rating, Add</i>	598.76	
			<i>For Class 55 Rating, Add</i>	899.38	
			<i>For Class 56 Rating, Add</i>	1,196.14	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,667.55	992.52
			<i>For Class 52 Rating, Deduct</i>	-458.01	
			<i>For Class 54 Rating, Add</i>	642.61	
			<i>For Class 55 Rating, Add</i>	964.60	
			<i>For Class 56 Rating, Add</i>	1,262.44	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,965.34	996.46
			<i>For Class 52 Rating, Deduct</i>	-490.11	
			<i>For Class 54 Rating, Add</i>	686.45	
			<i>For Class 55 Rating, Add</i>	1,029.82	
			<i>For Class 56 Rating, Add</i>	1,368.74	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,263.12	1,000.40
			<i>For Class 52 Rating, Deduct</i>	-522.21	
			<i>For Class 54 Rating, Add</i>	730.29	
			<i>For Class 55 Rating, Add</i>	1,095.04	
			<i>For Class 56 Rating, Add</i>	1,455.04	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,560.91	1,004.34
			<i>For Class 52 Rating, Deduct</i>	-554.31	
			<i>For Class 54 Rating, Add</i>	774.14	
			<i>For Class 55 Rating, Add</i>	1,160.26	
			<i>For Class 56 Rating, Add</i>	1,541.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882 EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,858.71	1,008.28
For Class 52 Rating, Deduct	-586.41	
For Class 54 Rating, Add	817.98	
For Class 55 Rating, Add	1,225.48	
For Class 56 Rating, Add	1,627.65	
40 05 19 00-0883 EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,156.49	1,012.21
For Class 52 Rating, Deduct	-618.51	
For Class 54 Rating, Add	861.83	
For Class 55 Rating, Add	1,290.70	
For Class 56 Rating, Add	1,713.95	
40 05 19 00-0884 EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,454.28	1,016.15
For Class 52 Rating, Deduct	-650.61	
For Class 54 Rating, Add	905.67	
For Class 55 Rating, Add	1,355.92	
For Class 56 Rating, Add	1,800.25	
40 05 19 00-0885 EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,752.07	1,020.09
For Class 52 Rating, Deduct	-682.71	
For Class 54 Rating, Add	949.52	
For Class 55 Rating, Add	1,421.14	
For Class 56 Rating, Add	1,886.55	
40 05 19 00-0886 EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,049.85	1,024.03
For Class 52 Rating, Deduct	-714.81	
For Class 54 Rating, Add	993.36	
For Class 55 Rating, Add	1,486.36	
For Class 56 Rating, Add	1,972.85	
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,347.64	1,027.97
For Class 52 Rating, Deduct	-746.91	
For Class 54 Rating, Add	1,037.21	
For Class 55 Rating, Add	1,551.58	
For Class 56 Rating, Add	2,059.15	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,645.43	1,031.91
For Class 52 Rating, Deduct	-779.01	
For Class 54 Rating, Add	1,081.05	
For Class 55 Rating, Add	1,616.79	
For Class 56 Rating, Add	2,145.46	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,943.22	1,035.84
For Class 52 Rating, Deduct	-811.11	
For Class 54 Rating, Add	1,124.90	
For Class 55 Rating, Add	1,682.01	
For Class 56 Rating, Add	2,231.76	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,241.00	1,039.78
For Class 52 Rating, Deduct	-843.21	
For Class 54 Rating, Add	1,168.74	
For Class 55 Rating, Add	1,747.23	
For Class 56 Rating, Add	2,318.06	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,538.79	1,043.73
For Class 52 Rating, Deduct	-875.31	
For Class 54 Rating, Add	1,212.59	
For Class 55 Rating, Add	1,812.45	
For Class 56 Rating, Add	2,404.36	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,836.58	1,047.67
For Class 52 Rating, Deduct	-907.41	
For Class 54 Rating, Add	1,256.43	
For Class 55 Rating, Add	1,877.67	
For Class 56 Rating, Add	2,490.66	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,134.36	1,051.60
For Class 52 Rating, Deduct	-939.51	
For Class 54 Rating, Add	1,300.27	
For Class 55 Rating, Add	1,942.89	
For Class 56 Rating, Add	2,576.96	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,432.15	1,055.54
For Class 52 Rating, Deduct	-971.61	
For Class 54 Rating, Add	1,344.12	
For Class 55 Rating, Add	2,008.11	
For Class 56 Rating, Add	2,663.27	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,729.94	1,059.48
For Class 52 Rating, Deduct	-1,003.71	
For Class 54 Rating, Add	1,387.96	
For Class 55 Rating, Add	2,073.33	
For Class 56 Rating, Add	2,749.57	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,027.72	1,063.41
			<i>For Class 52 Rating, Deduct</i>	-1,035.81	
			<i>For Class 54 Rating, Add</i>	1,431.81	
			<i>For Class 55 Rating, Add</i>	2,138.55	
			<i>For Class 56 Rating, Add</i>	2,835.87	
40 05 19 00-0897	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,325.51	1,067.36
			<i>For Class 52 Rating, Deduct</i>	-1,067.91	
			<i>For Class 54 Rating, Add</i>	1,475.65	
			<i>For Class 55 Rating, Add</i>	2,203.77	
			<i>For Class 56 Rating, Add</i>	2,922.17	
40 05 19 00-0898	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,623.30	1,071.30
			<i>For Class 52 Rating, Deduct</i>	-1,100.01	
			<i>For Class 54 Rating, Add</i>	1,519.50	
			<i>For Class 55 Rating, Add</i>	2,268.99	
			<i>For Class 56 Rating, Add</i>	3,008.47	
40 05 19 00-0899	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,921.09	1,075.23
			<i>For Class 52 Rating, Deduct</i>	-1,132.11	
			<i>For Class 54 Rating, Add</i>	1,563.34	
			<i>For Class 55 Rating, Add</i>	2,334.20	
			<i>For Class 56 Rating, Add</i>	3,094.77	
40 05 19 00-0900	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,218.87	1,079.17
			<i>For Class 52 Rating, Deduct</i>	-1,164.21	
			<i>For Class 54 Rating, Add</i>	1,607.19	
			<i>For Class 55 Rating, Add</i>	2,399.42	
			<i>For Class 56 Rating, Add</i>	3,181.08	
40 05 19 00-0901	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,516.66	1,083.11
			<i>For Class 52 Rating, Deduct</i>	-1,196.31	
			<i>For Class 54 Rating, Add</i>	1,651.03	
			<i>For Class 55 Rating, Add</i>	2,464.64	
			<i>For Class 56 Rating, Add</i>	3,267.38	
40 05 19 00-0902	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,814.46	1,087.05
			<i>For Class 52 Rating, Deduct</i>	-1,228.42	
			<i>For Class 54 Rating, Add</i>	1,694.88	
			<i>For Class 55 Rating, Add</i>	2,529.86	
			<i>For Class 56 Rating, Add</i>	3,353.68	
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,112.24	1,090.99
			<i>For Class 52 Rating, Deduct</i>	-1,260.52	
			<i>For Class 54 Rating, Add</i>	1,738.72	
			<i>For Class 55 Rating, Add</i>	2,595.08	
			<i>For Class 56 Rating, Add</i>	3,439.98	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,410.03	1,094.93
			<i>For Class 52 Rating, Deduct</i>	-1,292.62	
			<i>For Class 54 Rating, Add</i>	1,782.57	
			<i>For Class 55 Rating, Add</i>	2,660.30	
			<i>For Class 56 Rating, Add</i>	3,526.28	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,707.82	1,098.86
			<i>For Class 52 Rating, Deduct</i>	-1,324.72	
			<i>For Class 54 Rating, Add</i>	1,826.41	
			<i>For Class 55 Rating, Add</i>	2,725.52	
			<i>For Class 56 Rating, Add</i>	3,612.58	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,005.61	1,102.80
			<i>For Class 52 Rating, Deduct</i>	-1,356.82	
			<i>For Class 54 Rating, Add</i>	1,870.26	
			<i>For Class 55 Rating, Add</i>	2,790.74	
			<i>For Class 56 Rating, Add</i>	3,698.89	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,303.40	1,106.74
			<i>For Class 52 Rating, Deduct</i>	-1,388.92	
			<i>For Class 54 Rating, Add</i>	1,914.10	
			<i>For Class 55 Rating, Add</i>	2,855.96	
			<i>For Class 56 Rating, Add</i>	3,785.19	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,601.19	1,110.68
			<i>For Class 52 Rating, Deduct</i>	-1,421.02	
			<i>For Class 54 Rating, Add</i>	1,957.95	
			<i>For Class 55 Rating, Add</i>	2,921.18	
			<i>For Class 56 Rating, Add</i>	3,871.49	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,898.98	1,114.62
			<i>For Class 52 Rating, Deduct</i>	-1,453.12	
			<i>For Class 54 Rating, Add</i>	2,001.79	
			<i>For Class 55 Rating, Add</i>	2,986.40	
			<i>For Class 56 Rating, Add</i>	3,957.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,196.76	1,118.56
For Class 52 Rating, Deduct	-1,485.22	
For Class 54 Rating, Add	2,045.63	
For Class 55 Rating, Add	3,051.62	
For Class 56 Rating, Add	4,044.10	
 40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,159.78	1,150.06
For Class 52 Rating, Deduct	-375.90	
For Class 54 Rating, Add	533.50	
For Class 55 Rating, Add	803.87	
For Class 56 Rating, Add	1,070.82	
40 05 19 00-0913 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,527.35	1,154.01
For Class 52 Rating, Deduct	-415.67	
For Class 54 Rating, Add	587.81	
For Class 55 Rating, Add	884.65	
For Class 56 Rating, Add	1,177.71	
40 05 19 00-0914 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,894.93	1,157.94
For Class 52 Rating, Deduct	-455.45	
For Class 54 Rating, Add	642.12	
For Class 55 Rating, Add	965.43	
For Class 56 Rating, Add	1,284.60	
40 05 19 00-0915 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,262.50	1,161.88
For Class 52 Rating, Deduct	-495.23	
For Class 54 Rating, Add	696.44	
For Class 55 Rating, Add	1,046.21	
For Class 56 Rating, Add	1,391.49	
40 05 19 00-0916 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,630.07	1,165.82
For Class 52 Rating, Deduct	-535.00	
For Class 54 Rating, Add	750.75	
For Class 55 Rating, Add	1,126.99	
For Class 56 Rating, Add	1,498.37	
40 05 19 00-0917 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,997.64	1,169.75
For Class 52 Rating, Deduct	-574.78	
For Class 54 Rating, Add	805.06	
For Class 55 Rating, Add	1,207.77	
For Class 56 Rating, Add	1,605.26	
40 05 19 00-0918 EA 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,365.21	1,173.70
For Class 52 Rating, Deduct	-614.56	
For Class 54 Rating, Add	859.37	
For Class 55 Rating, Add	1,288.55	
For Class 56 Rating, Add	1,712.15	
40 05 19 00-0919 EA 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,732.78	1,177.64
For Class 52 Rating, Deduct	-654.33	
For Class 54 Rating, Add	913.68	
For Class 55 Rating, Add	1,369.33	
For Class 56 Rating, Add	1,819.04	
40 05 19 00-0920 EA 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,100.36	1,181.57
For Class 52 Rating, Deduct	-694.11	
For Class 54 Rating, Add	968.00	
For Class 55 Rating, Add	1,450.12	
For Class 56 Rating, Add	1,925.93	
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,467.92	1,185.51
For Class 52 Rating, Deduct	-733.89	
For Class 54 Rating, Add	1,022.31	
For Class 55 Rating, Add	1,530.90	
For Class 56 Rating, Add	2,032.81	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,835.49	1,189.45
For Class 52 Rating, Deduct	-773.66	
For Class 54 Rating, Add	1,076.62	
For Class 55 Rating, Add	1,611.68	
For Class 56 Rating, Add	2,139.70	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,203.07	1,193.38
For Class 52 Rating, Deduct	-813.44	
For Class 54 Rating, Add	1,130.93	
For Class 55 Rating, Add	1,692.46	
For Class 56 Rating, Add	2,246.59	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,570.63	1,197.33
		<i>For Class 52 Rating, Deduct</i>	-853.22	
		<i>For Class 54 Rating, Add</i>	1,185.24	
		<i>For Class 55 Rating, Add</i>	1,773.24	
		<i>For Class 56 Rating, Add</i>	2,353.48	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,938.20	1,201.27
		<i>For Class 52 Rating, Deduct</i>	-892.99	
		<i>For Class 54 Rating, Add</i>	1,239.56	
		<i>For Class 55 Rating, Add</i>	1,854.02	
		<i>For Class 56 Rating, Add</i>	2,460.36	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,305.78	1,205.20
		<i>For Class 52 Rating, Deduct</i>	-932.77	
		<i>For Class 54 Rating, Add</i>	1,293.87	
		<i>For Class 55 Rating, Add</i>	1,934.80	
		<i>For Class 56 Rating, Add</i>	2,567.25	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,673.34	1,209.14
		<i>For Class 52 Rating, Deduct</i>	-972.54	
		<i>For Class 54 Rating, Add</i>	1,348.18	
		<i>For Class 55 Rating, Add</i>	2,015.58	
		<i>For Class 56 Rating, Add</i>	2,674.14	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,040.91	1,213.08
		<i>For Class 52 Rating, Deduct</i>	-1,012.32	
		<i>For Class 54 Rating, Add</i>	1,402.49	
		<i>For Class 55 Rating, Add</i>	2,096.36	
		<i>For Class 56 Rating, Add</i>	2,781.03	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,408.49	1,217.03
		<i>For Class 52 Rating, Deduct</i>	-1,052.10	
		<i>For Class 54 Rating, Add</i>	1,456.81	
		<i>For Class 55 Rating, Add</i>	2,177.14	
		<i>For Class 56 Rating, Add</i>	2,887.92	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,776.06	1,220.96
		<i>For Class 52 Rating, Deduct</i>	-1,091.87	
		<i>For Class 54 Rating, Add</i>	1,511.12	
		<i>For Class 55 Rating, Add</i>	2,257.92	
		<i>For Class 56 Rating, Add</i>	2,994.80	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,143.62	1,224.90
		<i>For Class 52 Rating, Deduct</i>	-1,131.65	
		<i>For Class 54 Rating, Add</i>	1,565.43	
		<i>For Class 55 Rating, Add</i>	2,338.70	
		<i>For Class 56 Rating, Add</i>	3,101.69	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,511.20	1,228.84
		<i>For Class 52 Rating, Deduct</i>	-1,171.43	
		<i>For Class 54 Rating, Add</i>	1,619.74	
		<i>For Class 55 Rating, Add</i>	2,419.49	
		<i>For Class 56 Rating, Add</i>	3,208.58	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,878.78	1,232.77
		<i>For Class 52 Rating, Deduct</i>	-1,211.20	
		<i>For Class 54 Rating, Add</i>	1,674.05	
		<i>For Class 55 Rating, Add</i>	2,500.27	
		<i>For Class 56 Rating, Add</i>	3,315.47	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,246.34	1,236.72
		<i>For Class 52 Rating, Deduct</i>	-1,250.98	
		<i>For Class 54 Rating, Add</i>	1,728.37	
		<i>For Class 55 Rating, Add</i>	2,581.05	
		<i>For Class 56 Rating, Add</i>	3,422.35	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,613.92	1,240.66
		<i>For Class 52 Rating, Deduct</i>	-1,290.76	
		<i>For Class 54 Rating, Add</i>	1,782.68	
		<i>For Class 55 Rating, Add</i>	2,661.83	
		<i>For Class 56 Rating, Add</i>	3,529.24	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,981.49	1,244.59
		<i>For Class 52 Rating, Deduct</i>	-1,330.53	
		<i>For Class 54 Rating, Add</i>	1,836.99	
		<i>For Class 55 Rating, Add</i>	2,742.61	
		<i>For Class 56 Rating, Add</i>	3,636.13	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,349.05	1,248.53
		<i>For Class 52 Rating, Deduct</i>	-1,370.31	
		<i>For Class 54 Rating, Add</i>	1,891.30	
		<i>For Class 55 Rating, Add</i>	2,823.39	
		<i>For Class 56 Rating, Add</i>	3,743.02	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938 EA 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	14,716.63	1,252.47
For Class 52 Rating, Deduct	-1,410.08	
For Class 54 Rating, Add	1,945.61	
For Class 55 Rating, Add	2,904.17	
For Class 56 Rating, Add	3,849.91	
40 05 19 00-0939 EA 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	15,084.20	1,256.40
For Class 52 Rating, Deduct	-1,449.86	
For Class 54 Rating, Add	1,999.93	
For Class 55 Rating, Add	2,984.95	
For Class 56 Rating, Add	3,956.79	
40 05 19 00-0940 EA 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	15,451.77	1,260.35
For Class 52 Rating, Deduct	-1,489.64	
For Class 54 Rating, Add	2,054.24	
For Class 55 Rating, Add	3,065.73	
For Class 56 Rating, Add	4,063.68	
40 05 19 00-0941 EA 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	15,920.79	1,331.24
For Class 52 Rating, Deduct	-1,529.41	
For Class 54 Rating, Add	2,109.77	
For Class 55 Rating, Add	3,148.95	
For Class 56 Rating, Add	4,174.22	
40 05 19 00-0942 EA 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	16,288.36	1,335.18
For Class 52 Rating, Deduct	-1,569.19	
For Class 54 Rating, Add	2,164.08	
For Class 55 Rating, Add	3,229.73	
For Class 56 Rating, Add	4,281.11	
40 05 19 00-0943 EA 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	16,655.93	1,339.11
For Class 52 Rating, Deduct	-1,608.97	
For Class 54 Rating, Add	2,218.39	
For Class 55 Rating, Add	3,310.51	
For Class 56 Rating, Add	4,388.00	
40 05 19 00-0944 EA 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	17,023.50	1,343.05
For Class 52 Rating, Deduct	-1,648.74	
For Class 54 Rating, Add	2,272.70	
For Class 55 Rating, Add	3,391.29	
For Class 56 Rating, Add	4,494.89	
40 05 19 00-0945 EA 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	17,391.07	1,347.00
For Class 52 Rating, Deduct	-1,688.52	
For Class 54 Rating, Add	2,327.02	
For Class 55 Rating, Add	3,472.07	
For Class 56 Rating, Add	4,601.77	
40 05 19 00-0946 EA 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	17,758.65	1,350.93
For Class 52 Rating, Deduct	-1,728.30	
For Class 54 Rating, Add	2,381.33	
For Class 55 Rating, Add	3,552.85	
For Class 56 Rating, Add	4,708.66	
40 05 19 00-0947 EA 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	18,126.21	1,354.87
For Class 52 Rating, Deduct	-1,768.07	
For Class 54 Rating, Add	2,435.64	
For Class 55 Rating, Add	3,633.63	
For Class 56 Rating, Add	4,815.55	
40 05 19 00-0948 EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	18,493.78	1,358.81
For Class 52 Rating, Deduct	-1,807.85	
For Class 54 Rating, Add	2,489.95	
For Class 55 Rating, Add	3,714.41	
For Class 56 Rating, Add	4,922.44	
40 05 19 00-0949 EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	18,861.36	1,362.74
For Class 52 Rating, Deduct	-1,847.62	
For Class 54 Rating, Add	2,544.27	
For Class 55 Rating, Add	3,795.19	
For Class 56 Rating, Add	5,029.33	
 40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0951 EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,914.40	1,622.69
For Class 52 Rating, Deduct	-600.13	
For Class 54 Rating, Add	847.87	
For Class 55 Rating, Add	1,275.64	
For Class 56 Rating, Add	1,697.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,442.69	1,626.64
			<i>For Class 52 Rating, Deduct</i>	-657.59	
			<i>For Class 54 Rating, Add</i>	926.29	
			<i>For Class 55 Rating, Add</i>	1,392.26	
			<i>For Class 56 Rating, Add</i>	1,852.26	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,970.97	1,630.57
			<i>For Class 52 Rating, Deduct</i>	-715.04	
			<i>For Class 54 Rating, Add</i>	1,004.71	
			<i>For Class 55 Rating, Add</i>	1,508.88	
			<i>For Class 56 Rating, Add</i>	2,006.56	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,499.25	1,634.51
			<i>For Class 52 Rating, Deduct</i>	-772.50	
			<i>For Class 54 Rating, Add</i>	1,083.13	
			<i>For Class 55 Rating, Add</i>	1,625.50	
			<i>For Class 56 Rating, Add</i>	2,160.86	
40 05 19 00-0955	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,027.54	1,638.45
			<i>For Class 52 Rating, Deduct</i>	-829.95	
			<i>For Class 54 Rating, Add</i>	1,161.55	
			<i>For Class 55 Rating, Add</i>	1,742.12	
			<i>For Class 56 Rating, Add</i>	2,315.16	
40 05 19 00-0956	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,555.82	1,642.38
			<i>For Class 52 Rating, Deduct</i>	-887.41	
			<i>For Class 54 Rating, Add</i>	1,239.96	
			<i>For Class 55 Rating, Add</i>	1,858.74	
			<i>For Class 56 Rating, Add</i>	2,469.45	
40 05 19 00-0957	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,084.10	1,646.33
			<i>For Class 52 Rating, Deduct</i>	-944.86	
			<i>For Class 54 Rating, Add</i>	1,318.38	
			<i>For Class 55 Rating, Add</i>	1,975.36	
			<i>For Class 56 Rating, Add</i>	2,623.75	
40 05 19 00-0958	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,612.38	1,650.27
			<i>For Class 52 Rating, Deduct</i>	-1,002.32	
			<i>For Class 54 Rating, Add</i>	1,396.80	
			<i>For Class 55 Rating, Add</i>	2,091.98	
			<i>For Class 56 Rating, Add</i>	2,778.05	
40 05 19 00-0959	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,140.67	1,654.20
			<i>For Class 52 Rating, Deduct</i>	-1,059.77	
			<i>For Class 54 Rating, Add</i>	1,475.22	
			<i>For Class 55 Rating, Add</i>	2,208.60	
			<i>For Class 56 Rating, Add</i>	2,932.35	
40 05 19 00-0960	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,668.95	1,658.14
			<i>For Class 52 Rating, Deduct</i>	-1,117.23	
			<i>For Class 54 Rating, Add</i>	1,553.64	
			<i>For Class 55 Rating, Add</i>	2,325.22	
			<i>For Class 56 Rating, Add</i>	3,086.65	
40 05 19 00-0961	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,197.23	1,662.08
			<i>For Class 52 Rating, Deduct</i>	-1,174.68	
			<i>For Class 54 Rating, Add</i>	1,632.06	
			<i>For Class 55 Rating, Add</i>	2,441.84	
			<i>For Class 56 Rating, Add</i>	3,240.94	
40 05 19 00-0962	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,725.52	1,666.01
			<i>For Class 52 Rating, Deduct</i>	-1,232.14	
			<i>For Class 54 Rating, Add</i>	1,710.48	
			<i>For Class 55 Rating, Add</i>	2,558.46	
			<i>For Class 56 Rating, Add</i>	3,395.24	
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,253.80	1,669.96
			<i>For Class 52 Rating, Deduct</i>	-1,289.59	
			<i>For Class 54 Rating, Add</i>	1,788.90	
			<i>For Class 55 Rating, Add</i>	2,675.08	
			<i>For Class 56 Rating, Add</i>	3,549.54	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,782.08	1,673.90
			<i>For Class 52 Rating, Deduct</i>	-1,347.05	
			<i>For Class 54 Rating, Add</i>	1,867.32	
			<i>For Class 55 Rating, Add</i>	2,791.70	
			<i>For Class 56 Rating, Add</i>	3,703.84	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,310.37	1,677.83
			<i>For Class 52 Rating, Deduct</i>	-1,404.50	
			<i>For Class 54 Rating, Add</i>	1,945.74	
			<i>For Class 55 Rating, Add</i>	2,908.32	
			<i>For Class 56 Rating, Add</i>	3,858.14	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	15,838.66	1,681.77
For Class 52 Rating, Deduct	-1,461.96	
For Class 54 Rating, Add	2,024.15	
For Class 55 Rating, Add	3,024.94	
For Class 56 Rating, Add	4,012.43	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	16,366.94	1,685.71
For Class 52 Rating, Deduct	-1,519.41	
For Class 54 Rating, Add	2,102.57	
For Class 55 Rating, Add	3,141.56	
For Class 56 Rating, Add	4,166.73	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	16,895.22	1,689.65
For Class 52 Rating, Deduct	-1,576.87	
For Class 54 Rating, Add	2,180.99	
For Class 55 Rating, Add	3,258.18	
For Class 56 Rating, Add	4,321.03	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	17,423.51	1,693.59
For Class 52 Rating, Deduct	-1,634.32	
For Class 54 Rating, Add	2,259.41	
For Class 55 Rating, Add	3,374.80	
For Class 56 Rating, Add	4,475.33	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	17,951.79	1,697.53
For Class 52 Rating, Deduct	-1,691.78	
For Class 54 Rating, Add	2,337.83	
For Class 55 Rating, Add	3,491.42	
For Class 56 Rating, Add	4,629.63	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	18,480.07	1,701.47
For Class 52 Rating, Deduct	-1,749.23	
For Class 54 Rating, Add	2,416.25	
For Class 55 Rating, Add	3,608.04	
For Class 56 Rating, Add	4,783.92	
40 05 19 00-0972 EA 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	19,008.36	1,705.40
For Class 52 Rating, Deduct	-1,806.69	
For Class 54 Rating, Add	2,494.67	
For Class 55 Rating, Add	3,724.66	
For Class 56 Rating, Add	4,938.22	
40 05 19 00-0973 EA 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	19,536.64	1,709.34
For Class 52 Rating, Deduct	-1,864.14	
For Class 54 Rating, Add	2,573.09	
For Class 55 Rating, Add	3,841.28	
For Class 56 Rating, Add	5,092.52	
40 05 19 00-0974 EA 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	20,064.92	1,713.29
For Class 52 Rating, Deduct	-1,921.59	
For Class 54 Rating, Add	2,651.51	
For Class 55 Rating, Add	3,957.90	
For Class 56 Rating, Add	5,246.82	
40 05 19 00-0975 EA 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	20,593.21	1,717.22
For Class 52 Rating, Deduct	-1,979.05	
For Class 54 Rating, Add	2,729.93	
For Class 55 Rating, Add	4,074.52	
For Class 56 Rating, Add	5,401.12	
40 05 19 00-0976 EA 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	21,121.49	1,721.16
For Class 52 Rating, Deduct	-2,036.50	
For Class 54 Rating, Add	2,808.34	
For Class 55 Rating, Add	4,191.14	
For Class 56 Rating, Add	5,555.41	
40 05 19 00-0977 EA 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	21,649.77	1,725.10
For Class 52 Rating, Deduct	-2,093.96	
For Class 54 Rating, Add	2,886.76	
For Class 55 Rating, Add	4,307.76	
For Class 56 Rating, Add	5,709.71	
40 05 19 00-0978 EA 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	22,178.06	1,729.03
For Class 52 Rating, Deduct	-2,151.41	
For Class 54 Rating, Add	2,965.18	
For Class 55 Rating, Add	4,424.38	
For Class 56 Rating, Add	5,864.01	
40 05 19 00-0979 EA 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	22,706.34	1,732.98
For Class 52 Rating, Deduct	-2,208.87	
For Class 54 Rating, Add	3,043.60	
For Class 55 Rating, Add	4,541.00	
For Class 56 Rating, Add	6,018.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,234.62	1,736.92
			<i>For Class 52 Rating, Deduct</i>	-2,266.32	
			<i>For Class 54 Rating, Add</i>	3,122.02	
			<i>For Class 55 Rating, Add</i>	4,657.62	
			<i>For Class 56 Rating, Add</i>	6,172.61	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,762.90	1,740.85
			<i>For Class 52 Rating, Deduct</i>	-2,323.78	
			<i>For Class 54 Rating, Add</i>	3,200.44	
			<i>For Class 55 Rating, Add</i>	4,774.23	
			<i>For Class 56 Rating, Add</i>	6,326.90	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,291.19	1,744.79
			<i>For Class 52 Rating, Deduct</i>	-2,381.23	
			<i>For Class 54 Rating, Add</i>	3,278.86	
			<i>For Class 55 Rating, Add</i>	4,890.85	
			<i>For Class 56 Rating, Add</i>	6,481.20	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,819.48	1,748.73
			<i>For Class 52 Rating, Deduct</i>	-2,438.69	
			<i>For Class 54 Rating, Add</i>	3,357.28	
			<i>For Class 55 Rating, Add</i>	5,007.48	
			<i>For Class 56 Rating, Add</i>	6,635.50	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,347.75	1,752.66
			<i>For Class 52 Rating, Deduct</i>	-2,496.14	
			<i>For Class 54 Rating, Add</i>	3,435.70	
			<i>For Class 55 Rating, Add</i>	5,124.09	
			<i>For Class 56 Rating, Add</i>	6,789.80	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,876.05	1,756.61
			<i>For Class 52 Rating, Deduct</i>	-2,553.60	
			<i>For Class 54 Rating, Add</i>	3,514.12	
			<i>For Class 55 Rating, Add</i>	5,240.71	
			<i>For Class 56 Rating, Add</i>	6,944.10	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,404.33	1,760.55
			<i>For Class 52 Rating, Deduct</i>	-2,611.05	
			<i>For Class 54 Rating, Add</i>	3,592.53	
			<i>For Class 55 Rating, Add</i>	5,357.33	
			<i>For Class 56 Rating, Add</i>	7,098.39	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,932.61	1,764.48
			<i>For Class 52 Rating, Deduct</i>	-2,668.51	
			<i>For Class 54 Rating, Add</i>	3,670.95	
			<i>For Class 55 Rating, Add</i>	5,473.95	
			<i>For Class 56 Rating, Add</i>	7,252.69	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,460.90	1,768.42
			<i>For Class 52 Rating, Deduct</i>	-2,725.96	
			<i>For Class 54 Rating, Add</i>	3,749.37	
			<i>For Class 55 Rating, Add</i>	5,590.57	
			<i>For Class 56 Rating, Add</i>	7,406.99	
40 05 19 00-0989			36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,806.01	2,055.94
			<i>For Class 52 Rating, Deduct</i>	-846.00	
			<i>For Class 54 Rating, Add</i>	1,191.02	
			<i>For Class 55 Rating, Add</i>	1,789.84	
			<i>For Class 56 Rating, Add</i>	2,380.97	
40 05 19 00-0991	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,522.49	2,059.88
			<i>For Class 52 Rating, Deduct</i>	-924.16	
			<i>For Class 54 Rating, Add</i>	1,297.67	
			<i>For Class 55 Rating, Add</i>	1,948.43	
			<i>For Class 56 Rating, Add</i>	2,590.79	
40 05 19 00-0992	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,238.98	2,063.82
			<i>For Class 52 Rating, Deduct</i>	-1,002.32	
			<i>For Class 54 Rating, Add</i>	1,404.32	
			<i>For Class 55 Rating, Add</i>	2,107.02	
			<i>For Class 56 Rating, Add</i>	2,800.61	
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,955.46	2,067.75
			<i>For Class 52 Rating, Deduct</i>	-1,080.48	
			<i>For Class 54 Rating, Add</i>	1,510.97	
			<i>For Class 55 Rating, Add</i>	2,265.61	
			<i>For Class 56 Rating, Add</i>	3,010.42	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994 EA 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,671.95	2,071.69
For Class 52 Rating, Deduct	-1,158.63	
For Class 54 Rating, Add	1,617.62	
For Class 55 Rating, Add	2,424.20	
For Class 56 Rating, Add	3,220.24	
40 05 19 00-0995 EA 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,388.44	2,075.64
For Class 52 Rating, Deduct	-1,236.79	
For Class 54 Rating, Add	1,724.27	
For Class 55 Rating, Add	2,582.79	
For Class 56 Rating, Add	3,430.06	
40 05 19 00-0996 EA 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,104.93	2,079.57
For Class 52 Rating, Deduct	-1,314.95	
For Class 54 Rating, Add	1,830.92	
For Class 55 Rating, Add	2,741.38	
For Class 56 Rating, Add	3,639.88	
40 05 19 00-0997 EA 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,821.41	2,083.51
For Class 52 Rating, Deduct	-1,393.10	
For Class 54 Rating, Add	1,937.57	
For Class 55 Rating, Add	2,899.97	
For Class 56 Rating, Add	3,849.70	
40 05 19 00-0998 EA 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,537.90	2,087.45
For Class 52 Rating, Deduct	-1,471.26	
For Class 54 Rating, Add	2,044.22	
For Class 55 Rating, Add	3,058.55	
For Class 56 Rating, Add	4,059.52	
40 05 19 00-0999 EA 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,254.39	2,091.38
For Class 52 Rating, Deduct	-1,549.42	
For Class 54 Rating, Add	2,150.87	
For Class 55 Rating, Add	3,217.14	
For Class 56 Rating, Add	4,269.33	
40 05 19 00-1000 EA 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,970.87	2,095.32
For Class 52 Rating, Deduct	-1,627.58	
For Class 54 Rating, Add	2,257.52	
For Class 55 Rating, Add	3,375.73	
For Class 56 Rating, Add	4,479.15	
40 05 19 00-1001 EA 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,687.36	2,099.27
For Class 52 Rating, Deduct	-1,705.73	
For Class 54 Rating, Add	2,364.17	
For Class 55 Rating, Add	3,534.32	
For Class 56 Rating, Add	4,688.97	
40 05 19 00-1002 EA 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,403.84	2,103.20
For Class 52 Rating, Deduct	-1,783.89	
For Class 54 Rating, Add	2,470.82	
For Class 55 Rating, Add	3,692.91	
For Class 56 Rating, Add	4,898.79	
40 05 19 00-1003 EA 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,120.32	2,107.14
For Class 52 Rating, Deduct	-1,862.05	
For Class 54 Rating, Add	2,577.47	
For Class 55 Rating, Add	3,851.50	
For Class 56 Rating, Add	5,108.60	
40 05 19 00-1004 EA 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,836.81	2,111.08
For Class 52 Rating, Deduct	-1,940.20	
For Class 54 Rating, Add	2,684.11	
For Class 55 Rating, Add	4,010.09	
For Class 56 Rating, Add	5,318.42	
40 05 19 00-1005 EA 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,553.30	2,115.01
For Class 52 Rating, Deduct	-2,018.36	
For Class 54 Rating, Add	2,790.76	
For Class 55 Rating, Add	4,168.68	
For Class 56 Rating, Add	5,528.24	
40 05 19 00-1006 EA 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,269.79	2,118.96
For Class 52 Rating, Deduct	-2,096.52	
For Class 54 Rating, Add	2,897.41	
For Class 55 Rating, Add	4,327.27	
For Class 56 Rating, Add	5,738.06	
40 05 19 00-1007 EA 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,986.27	2,122.90
For Class 52 Rating, Deduct	-2,174.67	
For Class 54 Rating, Add	3,004.06	
For Class 55 Rating, Add	4,485.85	
For Class 56 Rating, Add	5,947.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,702.76	2,126.83
			<i>For Class 52 Rating, Deduct</i>	-2,252.83	
			<i>For Class 54 Rating, Add</i>	3,110.71	
			<i>For Class 55 Rating, Add</i>	4,644.44	
			<i>For Class 56 Rating, Add</i>	6,157.69	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,419.26	2,130.77
			<i>For Class 52 Rating, Deduct</i>	-2,330.99	
			<i>For Class 54 Rating, Add</i>	3,217.36	
			<i>For Class 55 Rating, Add</i>	4,803.03	
			<i>For Class 56 Rating, Add</i>	6,367.51	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,135.74	2,134.71
			<i>For Class 52 Rating, Deduct</i>	-2,409.15	
			<i>For Class 54 Rating, Add</i>	3,324.01	
			<i>For Class 55 Rating, Add</i>	4,961.62	
			<i>For Class 56 Rating, Add</i>	6,577.33	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,852.23	2,138.64
			<i>For Class 52 Rating, Deduct</i>	-2,487.30	
			<i>For Class 54 Rating, Add</i>	3,430.66	
			<i>For Class 55 Rating, Add</i>	5,120.21	
			<i>For Class 56 Rating, Add</i>	6,787.15	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,568.71	2,142.59
			<i>For Class 52 Rating, Deduct</i>	-2,565.46	
			<i>For Class 54 Rating, Add</i>	3,537.31	
			<i>For Class 55 Rating, Add</i>	5,278.80	
			<i>For Class 56 Rating, Add</i>	6,996.96	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,285.19	2,146.53
			<i>For Class 52 Rating, Deduct</i>	-2,643.62	
			<i>For Class 54 Rating, Add</i>	3,643.96	
			<i>For Class 55 Rating, Add</i>	5,437.39	
			<i>For Class 56 Rating, Add</i>	7,206.78	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,001.68	2,150.46
			<i>For Class 52 Rating, Deduct</i>	-2,721.77	
			<i>For Class 54 Rating, Add</i>	3,750.61	
			<i>For Class 55 Rating, Add</i>	5,595.98	
			<i>For Class 56 Rating, Add</i>	7,416.60	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,718.17	2,154.40
			<i>For Class 52 Rating, Deduct</i>	-2,799.93	
			<i>For Class 54 Rating, Add</i>	3,857.26	
			<i>For Class 55 Rating, Add</i>	5,754.57	
			<i>For Class 56 Rating, Add</i>	7,626.42	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,434.66	2,158.34
			<i>For Class 52 Rating, Deduct</i>	-2,878.09	
			<i>For Class 54 Rating, Add</i>	3,963.91	
			<i>For Class 55 Rating, Add</i>	5,913.16	
			<i>For Class 56 Rating, Add</i>	7,836.24	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,151.14	2,162.28
			<i>For Class 52 Rating, Deduct</i>	-2,956.25	
			<i>For Class 54 Rating, Add</i>	4,070.56	
			<i>For Class 55 Rating, Add</i>	6,071.74	
			<i>For Class 56 Rating, Add</i>	8,046.06	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,867.63	2,166.22
			<i>For Class 52 Rating, Deduct</i>	-3,034.40	
			<i>For Class 54 Rating, Add</i>	4,177.21	
			<i>For Class 55 Rating, Add</i>	6,230.33	
			<i>For Class 56 Rating, Add</i>	8,255.87	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,584.12	2,170.16
			<i>For Class 52 Rating, Deduct</i>	-3,112.56	
			<i>For Class 54 Rating, Add</i>	4,283.86	
			<i>For Class 55 Rating, Add</i>	6,388.92	
			<i>For Class 56 Rating, Add</i>	8,465.69	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,300.60	2,174.09
			<i>For Class 52 Rating, Deduct</i>	-3,190.72	
			<i>For Class 54 Rating, Add</i>	4,390.51	
			<i>For Class 55 Rating, Add</i>	6,547.51	
			<i>For Class 56 Rating, Add</i>	8,675.51	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,017.09	2,178.03
			<i>For Class 52 Rating, Deduct</i>	-3,268.87	
			<i>For Class 54 Rating, Add</i>	4,497.16	
			<i>For Class 55 Rating, Add</i>	6,706.10	
			<i>For Class 56 Rating, Add</i>	8,885.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022 EA 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	33,733.58	2,181.97
For Class 52 Rating, Deduct	-3,347.03	
For Class 54 Rating, Add	4,603.81	
For Class 55 Rating, Add	6,864.69	
For Class 56 Rating, Add	9,095.15	
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	34,450.05	2,185.92
For Class 52 Rating, Deduct	-3,425.19	
For Class 54 Rating, Add	4,710.45	
For Class 55 Rating, Add	7,023.28	
For Class 56 Rating, Add	9,304.96	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	35,166.54	2,189.85
For Class 52 Rating, Deduct	-3,503.34	
For Class 54 Rating, Add	4,817.10	
For Class 55 Rating, Add	7,181.87	
For Class 56 Rating, Add	9,514.78	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	35,883.03	2,193.79
For Class 52 Rating, Deduct	-3,581.50	
For Class 54 Rating, Add	4,923.75	
For Class 55 Rating, Add	7,340.46	
For Class 56 Rating, Add	9,724.60	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	36,599.52	2,197.73
For Class 52 Rating, Deduct	-3,659.66	
For Class 54 Rating, Add	5,030.40	
For Class 55 Rating, Add	7,499.04	
For Class 56 Rating, Add	9,934.42	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	37,316.00	2,201.66
For Class 52 Rating, Deduct	-3,737.82	
For Class 54 Rating, Add	5,137.05	
For Class 55 Rating, Add	7,657.63	
For Class 56 Rating, Add	10,144.23	
40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	598.46	192.62
For Class 52 Rating, Deduct	-33.73	
For Class 54 Rating, Add	49.50	
For Class 55 Rating, Add	75.38	
For Class 56 Rating, Add	100.96	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	658.55	195.99
For Class 52 Rating, Deduct	-39.78	
For Class 54 Rating, Add	57.80	
For Class 55 Rating, Add	87.76	
For Class 56 Rating, Add	117.36	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	718.63	199.36
For Class 52 Rating, Deduct	-45.82	
For Class 54 Rating, Add	66.11	
For Class 55 Rating, Add	100.15	
For Class 56 Rating, Add	133.76	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	778.71	202.72
For Class 52 Rating, Deduct	-51.87	
For Class 54 Rating, Add	74.42	
For Class 55 Rating, Add	112.53	
For Class 56 Rating, Add	150.17	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	838.80	206.09
For Class 52 Rating, Deduct	-57.92	
For Class 54 Rating, Add	82.73	
For Class 55 Rating, Add	124.91	
For Class 56 Rating, Add	166.57	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	898.89	209.46
For Class 52 Rating, Deduct	-63.97	
For Class 54 Rating, Add	91.04	
For Class 55 Rating, Add	137.30	
For Class 56 Rating, Add	182.98	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	958.97	212.83
For Class 52 Rating, Deduct	-70.02	
For Class 54 Rating, Add	99.35	
For Class 55 Rating, Add	149.68	
For Class 56 Rating, Add	199.38	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,019.05	216.19
			For Class 52 Rating, Deduct	-76.06	
			For Class 54 Rating, Add	107.65	
			For Class 55 Rating, Add	162.06	
			For Class 56 Rating, Add	215.78	
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,079.13	219.56
			For Class 52 Rating, Deduct	-82.11	
			For Class 54 Rating, Add	115.96	
			For Class 55 Rating, Add	174.45	
			For Class 56 Rating, Add	232.18	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,139.21	222.93
			For Class 52 Rating, Deduct	-88.16	
			For Class 54 Rating, Add	124.27	
			For Class 55 Rating, Add	186.83	
			For Class 56 Rating, Add	248.59	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,199.30	226.29
			For Class 52 Rating, Deduct	-94.21	
			For Class 54 Rating, Add	132.58	
			For Class 55 Rating, Add	199.21	
			For Class 56 Rating, Add	264.99	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,259.38	229.66
			For Class 52 Rating, Deduct	-100.26	
			For Class 54 Rating, Add	140.89	
			For Class 55 Rating, Add	211.60	
			For Class 56 Rating, Add	281.39	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,319.46	233.03
			For Class 52 Rating, Deduct	-106.30	
			For Class 54 Rating, Add	149.20	
			For Class 55 Rating, Add	223.98	
			For Class 56 Rating, Add	297.80	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,379.54	236.40
			For Class 52 Rating, Deduct	-112.35	
			For Class 54 Rating, Add	157.50	
			For Class 55 Rating, Add	236.36	
			For Class 56 Rating, Add	314.20	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,439.62	239.76
			For Class 52 Rating, Deduct	-118.40	
			For Class 54 Rating, Add	165.81	
			For Class 55 Rating, Add	248.74	
			For Class 56 Rating, Add	330.60	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,499.71	243.13
			For Class 52 Rating, Deduct	-124.45	
			For Class 54 Rating, Add	174.12	
			For Class 55 Rating, Add	261.13	
			For Class 56 Rating, Add	347.00	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,559.79	246.51
			For Class 52 Rating, Deduct	-130.49	
			For Class 54 Rating, Add	182.43	
			For Class 55 Rating, Add	273.51	
			For Class 56 Rating, Add	363.41	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,619.87	249.86
			For Class 52 Rating, Deduct	-136.54	
			For Class 54 Rating, Add	190.74	
			For Class 55 Rating, Add	285.89	
			For Class 56 Rating, Add	379.81	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,679.95	253.24
			For Class 52 Rating, Deduct	-142.59	
			For Class 54 Rating, Add	199.04	
			For Class 55 Rating, Add	298.28	
			For Class 56 Rating, Add	396.21	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,740.05	256.60
			For Class 52 Rating, Deduct	-148.64	
			For Class 54 Rating, Add	207.35	
			For Class 55 Rating, Add	310.66	
			For Class 56 Rating, Add	412.62	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,800.13	259.98
			For Class 52 Rating, Deduct	-154.69	
			For Class 54 Rating, Add	215.66	
			For Class 55 Rating, Add	323.04	
			For Class 56 Rating, Add	429.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051 EA 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.21	263.33
<i>For Class 52 Rating, Deduct</i>	-160.73	
<i>For Class 54 Rating, Add</i>	223.97	
<i>For Class 55 Rating, Add</i>	335.43	
<i>For Class 56 Rating, Add</i>	445.42	
40 05 19 00-1052 EA 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,920.29	266.71
<i>For Class 52 Rating, Deduct</i>	-166.78	
<i>For Class 54 Rating, Add</i>	232.28	
<i>For Class 55 Rating, Add</i>	347.81	
<i>For Class 56 Rating, Add</i>	461.83	
40 05 19 00-1053 EA 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.37	270.07
<i>For Class 52 Rating, Deduct</i>	-172.83	
<i>For Class 54 Rating, Add</i>	240.59	
<i>For Class 55 Rating, Add</i>	360.19	
<i>For Class 56 Rating, Add</i>	478.23	
40 05 19 00-1054 EA 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,040.46	273.44
<i>For Class 52 Rating, Deduct</i>	-178.88	
<i>For Class 54 Rating, Add</i>	248.90	
<i>For Class 55 Rating, Add</i>	372.58	
<i>For Class 56 Rating, Add</i>	494.63	
40 05 19 00-1055 EA 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,100.54	276.80
<i>For Class 52 Rating, Deduct</i>	-184.93	
<i>For Class 54 Rating, Add</i>	257.20	
<i>For Class 55 Rating, Add</i>	384.96	
<i>For Class 56 Rating, Add</i>	511.03	
40 05 19 00-1056 EA 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,160.62	280.18
<i>For Class 52 Rating, Deduct</i>	-190.97	
<i>For Class 54 Rating, Add</i>	265.51	
<i>For Class 55 Rating, Add</i>	397.34	
<i>For Class 56 Rating, Add</i>	527.44	
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,220.70	283.54
<i>For Class 52 Rating, Deduct</i>	-197.02	
<i>For Class 54 Rating, Add</i>	273.82	
<i>For Class 55 Rating, Add</i>	409.73	
<i>For Class 56 Rating, Add</i>	543.84	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,280.78	286.91
<i>For Class 52 Rating, Deduct</i>	-203.07	
<i>For Class 54 Rating, Add</i>	282.13	
<i>For Class 55 Rating, Add</i>	422.11	
<i>For Class 56 Rating, Add</i>	560.24	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,340.87	290.27
<i>For Class 52 Rating, Deduct</i>	-209.12	
<i>For Class 54 Rating, Add</i>	290.44	
<i>For Class 55 Rating, Add</i>	434.49	
<i>For Class 56 Rating, Add</i>	576.65	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,400.95	293.65
<i>For Class 52 Rating, Deduct</i>	-215.16	
<i>For Class 54 Rating, Add</i>	298.74	
<i>For Class 55 Rating, Add</i>	446.87	
<i>For Class 56 Rating, Add</i>	593.05	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,461.03	297.02
<i>For Class 52 Rating, Deduct</i>	-221.21	
<i>For Class 54 Rating, Add</i>	307.05	
<i>For Class 55 Rating, Add</i>	459.26	
<i>For Class 56 Rating, Add</i>	609.45	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,521.11	300.38
<i>For Class 52 Rating, Deduct</i>	-227.26	
<i>For Class 54 Rating, Add</i>	315.36	
<i>For Class 55 Rating, Add</i>	471.64	
<i>For Class 56 Rating, Add</i>	625.85	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,581.20	303.75
<i>For Class 52 Rating, Deduct</i>	-233.31	
<i>For Class 54 Rating, Add</i>	323.67	
<i>For Class 55 Rating, Add</i>	484.02	
<i>For Class 56 Rating, Add</i>	642.26	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,641.28	307.12
<i>For Class 52 Rating, Deduct</i>	-239.36	
<i>For Class 54 Rating, Add</i>	331.98	
<i>For Class 55 Rating, Add</i>	496.41	
<i>For Class 56 Rating, Add</i>	658.66	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,701.37	310.47
			For Class 52 Rating, Deduct	-245.40	
			For Class 54 Rating, Add	340.29	
			For Class 55 Rating, Add	508.79	
			For Class 56 Rating, Add	675.07	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,761.45	313.85
			For Class 52 Rating, Deduct	-251.45	
			For Class 54 Rating, Add	348.60	
			For Class 55 Rating, Add	521.17	
			For Class 56 Rating, Add	691.47	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,821.53	317.22
			For Class 52 Rating, Deduct	-257.50	
			For Class 54 Rating, Add	356.90	
			For Class 55 Rating, Add	533.56	
			For Class 56 Rating, Add	707.87	
40 05 19 00-1068	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,881.62	320.59
			For Class 52 Rating, Deduct	-263.55	
			For Class 54 Rating, Add	365.21	
			For Class 55 Rating, Add	545.94	
			For Class 56 Rating, Add	724.27	
40 05 19 00-1069			6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	750.11	242.46
			For Class 52 Rating, Deduct	-42.10	
			For Class 54 Rating, Add	61.82	
			For Class 55 Rating, Add	94.17	
			For Class 56 Rating, Add	126.14	
40 05 19 00-1071	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	822.89	245.84
			For Class 52 Rating, Deduct	-49.55	
			For Class 54 Rating, Add	72.03	
			For Class 55 Rating, Add	109.38	
			For Class 56 Rating, Add	146.28	
40 05 19 00-1072	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	895.66	249.19
			For Class 52 Rating, Deduct	-56.99	
			For Class 54 Rating, Add	82.24	
			For Class 55 Rating, Add	124.60	
			For Class 56 Rating, Add	166.43	
40 05 19 00-1073	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	968.43	252.56
			For Class 52 Rating, Deduct	-64.43	
			For Class 54 Rating, Add	92.46	
			For Class 55 Rating, Add	139.81	
			For Class 56 Rating, Add	186.58	
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,041.19	255.93
			For Class 52 Rating, Deduct	-71.88	
			For Class 54 Rating, Add	102.67	
			For Class 55 Rating, Add	155.02	
			For Class 56 Rating, Add	206.72	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,113.97	259.29
			For Class 52 Rating, Deduct	-79.32	
			For Class 54 Rating, Add	112.88	
			For Class 55 Rating, Add	170.23	
			For Class 56 Rating, Add	226.87	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,186.74	262.66
			For Class 52 Rating, Deduct	-86.76	
			For Class 54 Rating, Add	123.09	
			For Class 55 Rating, Add	185.45	
			For Class 56 Rating, Add	247.01	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,259.51	266.04
			For Class 52 Rating, Deduct	-94.21	
			For Class 54 Rating, Add	133.30	
			For Class 55 Rating, Add	200.66	
			For Class 56 Rating, Add	267.16	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,332.28	269.40
			For Class 52 Rating, Deduct	-101.65	
			For Class 54 Rating, Add	143.51	
			For Class 55 Rating, Add	215.87	
			For Class 56 Rating, Add	287.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079 EA 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.05	272.77
<i>For Class 52 Rating, Deduct</i>	-109.09	
<i>For Class 54 Rating, Add</i>	153.72	
<i>For Class 55 Rating, Add</i>	231.08	
<i>For Class 56 Rating, Add</i>	307.45	
40 05 19 00-1080 EA 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.82	276.13
<i>For Class 52 Rating, Deduct</i>	-116.54	
<i>For Class 54 Rating, Add</i>	163.94	
<i>For Class 55 Rating, Add</i>	246.29	
<i>For Class 56 Rating, Add</i>	327.59	
40 05 19 00-1081 EA 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,550.59	279.51
<i>For Class 52 Rating, Deduct</i>	-123.98	
<i>For Class 54 Rating, Add</i>	174.15	
<i>For Class 55 Rating, Add</i>	261.51	
<i>For Class 56 Rating, Add</i>	347.74	
40 05 19 00-1082 EA 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,623.36	282.86
<i>For Class 52 Rating, Deduct</i>	-131.42	
<i>For Class 54 Rating, Add</i>	184.36	
<i>For Class 55 Rating, Add</i>	276.72	
<i>For Class 56 Rating, Add</i>	367.89	
40 05 19 00-1083 EA 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,696.13	286.24
<i>For Class 52 Rating, Deduct</i>	-138.87	
<i>For Class 54 Rating, Add</i>	194.57	
<i>For Class 55 Rating, Add</i>	291.93	
<i>For Class 56 Rating, Add</i>	388.03	
40 05 19 00-1084 EA 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.90	289.60
<i>For Class 52 Rating, Deduct</i>	-146.31	
<i>For Class 54 Rating, Add</i>	204.78	
<i>For Class 55 Rating, Add</i>	307.15	
<i>For Class 56 Rating, Add</i>	408.18	
40 05 19 00-1085 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,841.68	292.98
<i>For Class 52 Rating, Deduct</i>	-153.76	
<i>For Class 54 Rating, Add</i>	214.99	
<i>For Class 55 Rating, Add</i>	322.36	
<i>For Class 56 Rating, Add</i>	428.33	
40 05 19 00-1086 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,914.45	296.33
<i>For Class 52 Rating, Deduct</i>	-161.20	
<i>For Class 54 Rating, Add</i>	225.21	
<i>For Class 55 Rating, Add</i>	337.57	
<i>For Class 56 Rating, Add</i>	448.47	
40 05 19 00-1087 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,987.21	299.71
<i>For Class 52 Rating, Deduct</i>	-168.64	
<i>For Class 54 Rating, Add</i>	235.42	
<i>For Class 55 Rating, Add</i>	352.78	
<i>For Class 56 Rating, Add</i>	468.62	
40 05 19 00-1088 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,059.98	303.07
<i>For Class 52 Rating, Deduct</i>	-176.09	
<i>For Class 54 Rating, Add</i>	245.63	
<i>For Class 55 Rating, Add</i>	367.99	
<i>For Class 56 Rating, Add</i>	488.76	
40 05 19 00-1089 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,132.76	306.45
<i>For Class 52 Rating, Deduct</i>	-183.53	
<i>For Class 54 Rating, Add</i>	255.84	
<i>For Class 55 Rating, Add</i>	383.21	
<i>For Class 56 Rating, Add</i>	508.91	
40 05 19 00-1090 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.53	309.80
<i>For Class 52 Rating, Deduct</i>	-190.97	
<i>For Class 54 Rating, Add</i>	266.05	
<i>For Class 55 Rating, Add</i>	398.42	
<i>For Class 56 Rating, Add</i>	529.05	
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,278.30	313.18
<i>For Class 52 Rating, Deduct</i>	-198.42	
<i>For Class 54 Rating, Add</i>	276.26	
<i>For Class 55 Rating, Add</i>	413.63	
<i>For Class 56 Rating, Add</i>	549.20	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,351.07	316.55
<i>For Class 52 Rating, Deduct</i>	-205.86	
<i>For Class 54 Rating, Add</i>	286.47	
<i>For Class 55 Rating, Add</i>	428.85	
<i>For Class 56 Rating, Add</i>	569.35	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.83	319.91
			For Class 52 Rating, Deduct	-213.30	
			For Class 54 Rating, Add	296.68	
			For Class 55 Rating, Add	444.06	
			For Class 56 Rating, Add	589.49	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,496.61	323.28
			For Class 52 Rating, Deduct	-220.75	
			For Class 54 Rating, Add	306.90	
			For Class 55 Rating, Add	459.27	
			For Class 56 Rating, Add	609.64	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,569.38	326.65
			For Class 52 Rating, Deduct	-228.19	
			For Class 54 Rating, Add	317.11	
			For Class 55 Rating, Add	474.48	
			For Class 56 Rating, Add	629.78	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,642.15	330.02
			For Class 52 Rating, Deduct	-235.63	
			For Class 54 Rating, Add	327.32	
			For Class 55 Rating, Add	489.70	
			For Class 56 Rating, Add	649.93	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,714.92	333.38
			For Class 52 Rating, Deduct	-243.08	
			For Class 54 Rating, Add	337.53	
			For Class 55 Rating, Add	504.91	
			For Class 56 Rating, Add	670.08	
40 05 19 00-1098	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,787.70	336.75
			For Class 52 Rating, Deduct	-250.52	
			For Class 54 Rating, Add	347.74	
			For Class 55 Rating, Add	520.12	
			For Class 56 Rating, Add	690.22	
40 05 19 00-1099	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.47	340.12
			For Class 52 Rating, Deduct	-257.97	
			For Class 54 Rating, Add	357.95	
			For Class 55 Rating, Add	535.33	
			For Class 56 Rating, Add	710.37	
40 05 19 00-1100	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,933.23	343.48
			For Class 52 Rating, Deduct	-265.41	
			For Class 54 Rating, Add	368.17	
			For Class 55 Rating, Add	550.54	
			For Class 56 Rating, Add	730.51	
40 05 19 00-1101	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,006.00	346.85
			For Class 52 Rating, Deduct	-272.85	
			For Class 54 Rating, Add	378.38	
			For Class 55 Rating, Add	565.76	
			For Class 56 Rating, Add	750.66	
40 05 19 00-1102	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,078.77	350.22
			For Class 52 Rating, Deduct	-280.30	
			For Class 54 Rating, Add	388.59	
			For Class 55 Rating, Add	580.97	
			For Class 56 Rating, Add	770.80	
40 05 19 00-1103	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,151.55	353.59
			For Class 52 Rating, Deduct	-287.74	
			For Class 54 Rating, Add	398.80	
			For Class 55 Rating, Add	596.18	
			For Class 56 Rating, Add	790.95	
40 05 19 00-1104	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,224.32	356.95
			For Class 52 Rating, Deduct	-295.18	
			For Class 54 Rating, Add	409.01	
			For Class 55 Rating, Add	611.40	
			For Class 56 Rating, Add	811.10	
40 05 19 00-1105	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,297.09	360.32
			For Class 52 Rating, Deduct	-302.63	
			For Class 54 Rating, Add	419.22	
			For Class 55 Rating, Add	626.61	
			For Class 56 Rating, Add	831.24	
40 05 19 00-1106	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,369.86	363.69
			For Class 52 Rating, Deduct	-310.07	
			For Class 54 Rating, Add	429.44	
			For Class 55 Rating, Add	641.82	
			For Class 56 Rating, Add	851.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,442.62	367.05
<i>For Class 52 Rating, Deduct</i>	-317.51	
<i>For Class 54 Rating, Add</i>	439.65	
<i>For Class 55 Rating, Add</i>	657.03	
<i>For Class 56 Rating, Add</i>	871.53	
40 05 19 00-1108 EA 6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,515.40	370.42
<i>For Class 52 Rating, Deduct</i>	-324.96	
<i>For Class 54 Rating, Add</i>	449.86	
<i>For Class 55 Rating, Add</i>	672.25	
<i>For Class 56 Rating, Add</i>	891.68	
40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110 EA 8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,025.56	309.80
<i>For Class 52 Rating, Deduct</i>	-61.18	
<i>For Class 54 Rating, Add</i>	89.06	
<i>For Class 55 Rating, Add</i>	135.29	
<i>For Class 56 Rating, Add</i>	180.96	
40 05 19 00-1111 EA 8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.70	313.18
<i>For Class 52 Rating, Deduct</i>	-71.41	
<i>For Class 54 Rating, Add</i>	103.07	
<i>For Class 55 Rating, Add</i>	156.16	
<i>For Class 56 Rating, Add</i>	208.59	
40 05 19 00-1112 EA 8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.85	316.55
<i>For Class 52 Rating, Deduct</i>	-81.65	
<i>For Class 54 Rating, Add</i>	117.09	
<i>For Class 55 Rating, Add</i>	177.03	
<i>For Class 56 Rating, Add</i>	236.23	
40 05 19 00-1113 EA 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,319.99	319.91
<i>For Class 52 Rating, Deduct</i>	-91.88	
<i>For Class 54 Rating, Add</i>	131.11	
<i>For Class 55 Rating, Add</i>	197.90	
<i>For Class 56 Rating, Add</i>	263.86	
40 05 19 00-1114 EA 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,418.15	323.28
<i>For Class 52 Rating, Deduct</i>	-102.12	
<i>For Class 54 Rating, Add</i>	145.13	
<i>For Class 55 Rating, Add</i>	218.77	
<i>For Class 56 Rating, Add</i>	291.49	
40 05 19 00-1115 EA 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.29	326.65
<i>For Class 52 Rating, Deduct</i>	-112.35	
<i>For Class 54 Rating, Add</i>	159.14	
<i>For Class 55 Rating, Add</i>	239.64	
<i>For Class 56 Rating, Add</i>	319.12	
40 05 19 00-1116 EA 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,614.44	330.02
<i>For Class 52 Rating, Deduct</i>	-122.59	
<i>For Class 54 Rating, Add</i>	173.16	
<i>For Class 55 Rating, Add</i>	260.52	
<i>For Class 56 Rating, Add</i>	346.75	
40 05 19 00-1117 EA 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.58	333.38
<i>For Class 52 Rating, Deduct</i>	-132.82	
<i>For Class 54 Rating, Add</i>	187.18	
<i>For Class 55 Rating, Add</i>	281.39	
<i>For Class 56 Rating, Add</i>	374.39	
40 05 19 00-1118 EA 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.73	336.75
<i>For Class 52 Rating, Deduct</i>	-143.06	
<i>For Class 54 Rating, Add</i>	201.20	
<i>For Class 55 Rating, Add</i>	302.26	
<i>For Class 56 Rating, Add</i>	402.02	
40 05 19 00-1119 EA 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.88	340.12
<i>For Class 52 Rating, Deduct</i>	-153.29	
<i>For Class 54 Rating, Add</i>	215.22	
<i>For Class 55 Rating, Add</i>	323.13	
<i>For Class 56 Rating, Add</i>	429.65	
40 05 19 00-1120 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,007.02	343.48
<i>For Class 52 Rating, Deduct</i>	-163.52	
<i>For Class 54 Rating, Add</i>	229.23	
<i>For Class 55 Rating, Add</i>	344.00	
<i>For Class 56 Rating, Add</i>	457.28	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,105.17	346.85
			<i>For Class 52 Rating, Deduct</i>	-173.76	
			<i>For Class 54 Rating, Add</i>	243.25	
			<i>For Class 55 Rating, Add</i>	364.87	
			<i>For Class 56 Rating, Add</i>	484.91	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,203.31	350.22
			<i>For Class 52 Rating, Deduct</i>	-183.99	
			<i>For Class 54 Rating, Add</i>	257.27	
			<i>For Class 55 Rating, Add</i>	385.74	
			<i>For Class 56 Rating, Add</i>	512.54	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,301.46	353.59
			<i>For Class 52 Rating, Deduct</i>	-194.23	
			<i>For Class 54 Rating, Add</i>	271.29	
			<i>For Class 55 Rating, Add</i>	406.61	
			<i>For Class 56 Rating, Add</i>	540.17	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,399.61	356.95
			<i>For Class 52 Rating, Deduct</i>	-204.46	
			<i>For Class 54 Rating, Add</i>	285.31	
			<i>For Class 55 Rating, Add</i>	427.49	
			<i>For Class 56 Rating, Add</i>	567.81	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,497.75	360.32
			<i>For Class 52 Rating, Deduct</i>	-214.70	
			<i>For Class 54 Rating, Add</i>	299.32	
			<i>For Class 55 Rating, Add</i>	448.36	
			<i>For Class 56 Rating, Add</i>	595.44	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,595.90	363.69
			<i>For Class 52 Rating, Deduct</i>	-224.93	
			<i>For Class 54 Rating, Add</i>	313.34	
			<i>For Class 55 Rating, Add</i>	469.23	
			<i>For Class 56 Rating, Add</i>	623.07	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.04	367.05
			<i>For Class 52 Rating, Deduct</i>	-235.17	
			<i>For Class 54 Rating, Add</i>	327.36	
			<i>For Class 55 Rating, Add</i>	490.10	
			<i>For Class 56 Rating, Add</i>	650.70	
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,792.20	370.42
			<i>For Class 52 Rating, Deduct</i>	-245.40	
			<i>For Class 54 Rating, Add</i>	341.38	
			<i>For Class 55 Rating, Add</i>	510.97	
			<i>For Class 56 Rating, Add</i>	678.34	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,890.34	373.79
			<i>For Class 52 Rating, Deduct</i>	-255.64	
			<i>For Class 54 Rating, Add</i>	355.39	
			<i>For Class 55 Rating, Add</i>	531.84	
			<i>For Class 56 Rating, Add</i>	705.97	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,988.48	377.16
			<i>For Class 52 Rating, Deduct</i>	-265.87	
			<i>For Class 54 Rating, Add</i>	369.41	
			<i>For Class 55 Rating, Add</i>	552.71	
			<i>For Class 56 Rating, Add</i>	733.60	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,086.63	380.52
			<i>For Class 52 Rating, Deduct</i>	-276.11	
			<i>For Class 54 Rating, Add</i>	383.43	
			<i>For Class 55 Rating, Add</i>	573.59	
			<i>For Class 56 Rating, Add</i>	761.23	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.78	383.89
			<i>For Class 52 Rating, Deduct</i>	-286.34	
			<i>For Class 54 Rating, Add</i>	397.45	
			<i>For Class 55 Rating, Add</i>	594.46	
			<i>For Class 56 Rating, Add</i>	788.86	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,282.93	387.27
			<i>For Class 52 Rating, Deduct</i>	-296.58	
			<i>For Class 54 Rating, Add</i>	411.47	
			<i>For Class 55 Rating, Add</i>	615.33	
			<i>For Class 56 Rating, Add</i>	816.49	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,381.07	390.63
			<i>For Class 52 Rating, Deduct</i>	-306.81	
			<i>For Class 54 Rating, Add</i>	425.48	
			<i>For Class 55 Rating, Add</i>	636.20	
			<i>For Class 56 Rating, Add</i>	844.12	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,479.21	394.00
<i>For Class 52 Rating, Deduct</i>	-317.05	
<i>For Class 54 Rating, Add</i>	439.50	
<i>For Class 55 Rating, Add</i>	657.07	
<i>For Class 56 Rating, Add</i>	871.75	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,577.36	397.36
<i>For Class 52 Rating, Deduct</i>	-327.28	
<i>For Class 54 Rating, Add</i>	453.52	
<i>For Class 55 Rating, Add</i>	677.94	
<i>For Class 56 Rating, Add</i>	899.39	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,675.51	400.74
<i>For Class 52 Rating, Deduct</i>	-337.52	
<i>For Class 54 Rating, Add</i>	467.54	
<i>For Class 55 Rating, Add</i>	698.81	
<i>For Class 56 Rating, Add</i>	927.02	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.66	404.09
<i>For Class 52 Rating, Deduct</i>	-347.75	
<i>For Class 54 Rating, Add</i>	481.56	
<i>For Class 55 Rating, Add</i>	719.68	
<i>For Class 56 Rating, Add</i>	954.65	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,871.80	407.47
<i>For Class 52 Rating, Deduct</i>	-357.99	
<i>For Class 54 Rating, Add</i>	495.57	
<i>For Class 55 Rating, Add</i>	740.55	
<i>For Class 56 Rating, Add</i>	982.28	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,969.95	410.83
<i>For Class 52 Rating, Deduct</i>	-368.22	
<i>For Class 54 Rating, Add</i>	509.59	
<i>For Class 55 Rating, Add</i>	761.43	
<i>For Class 56 Rating, Add</i>	1,009.92	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,068.09	414.21
<i>For Class 52 Rating, Deduct</i>	-378.46	
<i>For Class 54 Rating, Add</i>	523.61	
<i>For Class 55 Rating, Add</i>	782.30	
<i>For Class 56 Rating, Add</i>	1,037.55	
40 05 19 00-1142 EA 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,166.24	417.56
<i>For Class 52 Rating, Deduct</i>	-388.69	
<i>For Class 54 Rating, Add</i>	537.63	
<i>For Class 55 Rating, Add</i>	803.17	
<i>For Class 56 Rating, Add</i>	1,065.18	
40 05 19 00-1143 EA 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,264.39	420.94
<i>For Class 52 Rating, Deduct</i>	-398.93	
<i>For Class 54 Rating, Add</i>	551.64	
<i>For Class 55 Rating, Add</i>	824.04	
<i>For Class 56 Rating, Add</i>	1,092.81	
40 05 19 00-1144 EA 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,362.53	424.30
<i>For Class 52 Rating, Deduct</i>	-409.16	
<i>For Class 54 Rating, Add</i>	565.66	
<i>For Class 55 Rating, Add</i>	844.91	
<i>For Class 56 Rating, Add</i>	1,120.44	
40 05 19 00-1145 EA 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,460.68	427.67
<i>For Class 52 Rating, Deduct</i>	-419.40	
<i>For Class 54 Rating, Add</i>	579.68	
<i>For Class 55 Rating, Add</i>	865.78	
<i>For Class 56 Rating, Add</i>	1,148.07	
40 05 19 00-1146 EA 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,558.83	431.03
<i>For Class 52 Rating, Deduct</i>	-429.63	
<i>For Class 54 Rating, Add</i>	593.70	
<i>For Class 55 Rating, Add</i>	886.65	
<i>For Class 56 Rating, Add</i>	1,175.70	
40 05 19 00-1147 EA 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,656.97	434.41
<i>For Class 52 Rating, Deduct</i>	-439.87	
<i>For Class 54 Rating, Add</i>	607.72	
<i>For Class 55 Rating, Add</i>	907.52	
<i>For Class 56 Rating, Add</i>	1,203.33	
40 05 19 00-1148 EA 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,755.12	437.78
<i>For Class 52 Rating, Deduct</i>	-450.10	
<i>For Class 54 Rating, Add</i>	621.73	
<i>For Class 55 Rating, Add</i>	928.40	
<i>For Class 56 Rating, Add</i>	1,230.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,288.31	377.16
		For Class 52 Rating, Deduct	-78.85	
		For Class 54 Rating, Add	114.39	
		For Class 55 Rating, Add	173.57	
		For Class 56 Rating, Add	232.05	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,416.06	380.52
		For Class 52 Rating, Deduct	-92.35	
		For Class 54 Rating, Add	132.85	
		For Class 55 Rating, Add	201.05	
		For Class 56 Rating, Add	268.41	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.82	383.89
		For Class 52 Rating, Deduct	-105.84	
		For Class 54 Rating, Add	151.30	
		For Class 55 Rating, Add	228.52	
		For Class 56 Rating, Add	304.78	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,671.57	387.27
		For Class 52 Rating, Deduct	-119.33	
		For Class 54 Rating, Add	169.76	
		For Class 55 Rating, Add	255.99	
		For Class 56 Rating, Add	341.14	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,799.32	390.63
		For Class 52 Rating, Deduct	-132.82	
		For Class 54 Rating, Add	188.22	
		For Class 55 Rating, Add	283.47	
		For Class 56 Rating, Add	377.51	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.07	394.00
		For Class 52 Rating, Deduct	-146.31	
		For Class 54 Rating, Add	206.68	
		For Class 55 Rating, Add	310.94	
		For Class 56 Rating, Add	413.87	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,054.82	397.36
		For Class 52 Rating, Deduct	-159.80	
		For Class 54 Rating, Add	225.14	
		For Class 55 Rating, Add	338.41	
		For Class 56 Rating, Add	450.24	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.58	400.74
		For Class 52 Rating, Deduct	-173.30	
		For Class 54 Rating, Add	243.60	
		For Class 55 Rating, Add	365.89	
		For Class 56 Rating, Add	486.60	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,310.33	404.09
		For Class 52 Rating, Deduct	-186.79	
		For Class 54 Rating, Add	262.06	
		For Class 55 Rating, Add	393.36	
		For Class 56 Rating, Add	522.97	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,438.07	407.47
		For Class 52 Rating, Deduct	-200.28	
		For Class 54 Rating, Add	280.51	
		For Class 55 Rating, Add	420.83	
		For Class 56 Rating, Add	559.33	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,565.82	410.83
		For Class 52 Rating, Deduct	-213.77	
		For Class 54 Rating, Add	298.97	
		For Class 55 Rating, Add	448.31	
		For Class 56 Rating, Add	595.70	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,693.57	414.21
		For Class 52 Rating, Deduct	-227.26	
		For Class 54 Rating, Add	317.43	
		For Class 55 Rating, Add	475.78	
		For Class 56 Rating, Add	632.06	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,821.33	417.56
		For Class 52 Rating, Deduct	-240.75	
		For Class 54 Rating, Add	335.89	
		For Class 55 Rating, Add	503.25	
		For Class 56 Rating, Add	668.43	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,949.08	420.94
		For Class 52 Rating, Deduct	-254.24	
		For Class 54 Rating, Add	354.35	
		For Class 55 Rating, Add	530.73	
		For Class 56 Rating, Add	704.79	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,076.83	424.30
<i>For Class 52 Rating, Deduct</i>	-267.73	
<i>For Class 54 Rating, Add</i>	372.81	
<i>For Class 55 Rating, Add</i>	558.20	
<i>For Class 56 Rating, Add</i>	741.16	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,204.58	427.67
<i>For Class 52 Rating, Deduct</i>	-281.23	
<i>For Class 54 Rating, Add</i>	391.27	
<i>For Class 55 Rating, Add</i>	585.67	
<i>For Class 56 Rating, Add</i>	777.52	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,332.34	431.03
<i>For Class 52 Rating, Deduct</i>	-294.72	
<i>For Class 54 Rating, Add</i>	409.72	
<i>For Class 55 Rating, Add</i>	613.15	
<i>For Class 56 Rating, Add</i>	813.89	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,460.09	434.41
<i>For Class 52 Rating, Deduct</i>	-308.21	
<i>For Class 54 Rating, Add</i>	428.18	
<i>For Class 55 Rating, Add</i>	640.62	
<i>For Class 56 Rating, Add</i>	850.26	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,587.84	437.78
<i>For Class 52 Rating, Deduct</i>	-321.70	
<i>For Class 54 Rating, Add</i>	446.64	
<i>For Class 55 Rating, Add</i>	668.09	
<i>For Class 56 Rating, Add</i>	886.62	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,715.59	441.14
<i>For Class 52 Rating, Deduct</i>	-335.19	
<i>For Class 54 Rating, Add</i>	465.10	
<i>For Class 55 Rating, Add</i>	695.57	
<i>For Class 56 Rating, Add</i>	922.99	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.34	444.50
<i>For Class 52 Rating, Deduct</i>	-348.68	
<i>For Class 54 Rating, Add</i>	483.56	
<i>For Class 55 Rating, Add</i>	723.04	
<i>For Class 56 Rating, Add</i>	959.35	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,971.09	447.88
<i>For Class 52 Rating, Deduct</i>	-362.17	
<i>For Class 54 Rating, Add</i>	502.02	
<i>For Class 55 Rating, Add</i>	750.51	
<i>For Class 56 Rating, Add</i>	995.71	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,098.84	451.23
<i>For Class 52 Rating, Deduct</i>	-375.67	
<i>For Class 54 Rating, Add</i>	520.48	
<i>For Class 55 Rating, Add</i>	777.99	
<i>For Class 56 Rating, Add</i>	1,032.08	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,226.59	454.61
<i>For Class 52 Rating, Deduct</i>	-389.16	
<i>For Class 54 Rating, Add</i>	538.93	
<i>For Class 55 Rating, Add</i>	805.46	
<i>For Class 56 Rating, Add</i>	1,068.44	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,354.34	457.98
<i>For Class 52 Rating, Deduct</i>	-402.65	
<i>For Class 54 Rating, Add</i>	557.39	
<i>For Class 55 Rating, Add</i>	832.93	
<i>For Class 56 Rating, Add</i>	1,104.81	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,482.09	461.35
<i>For Class 52 Rating, Deduct</i>	-416.14	
<i>For Class 54 Rating, Add</i>	575.85	
<i>For Class 55 Rating, Add</i>	860.41	
<i>For Class 56 Rating, Add</i>	1,141.18	
40 05 19 00-1176 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,609.85	464.71
<i>For Class 52 Rating, Deduct</i>	-429.63	
<i>For Class 54 Rating, Add</i>	594.31	
<i>For Class 55 Rating, Add</i>	887.88	
<i>For Class 56 Rating, Add</i>	1,177.54	
40 05 19 00-1177 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,737.60	468.08
<i>For Class 52 Rating, Deduct</i>	-443.12	
<i>For Class 54 Rating, Add</i>	612.77	
<i>For Class 55 Rating, Add</i>	915.35	
<i>For Class 56 Rating, Add</i>	1,213.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178 EA 10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,865.35	471.45
<i>For Class 52 Rating, Deduct</i>	-456.61	
<i>For Class 54 Rating, Add</i>	631.23	
<i>For Class 55 Rating, Add</i>	942.83	
<i>For Class 56 Rating, Add</i>	1,250.27	
40 05 19 00-1179 EA 10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,993.10	474.82
<i>For Class 52 Rating, Deduct</i>	-470.11	
<i>For Class 54 Rating, Add</i>	649.69	
<i>For Class 55 Rating, Add</i>	970.30	
<i>For Class 56 Rating, Add</i>	1,286.64	
40 05 19 00-1180 EA 10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,120.86	478.18
<i>For Class 52 Rating, Deduct</i>	-483.60	
<i>For Class 54 Rating, Add</i>	668.15	
<i>For Class 55 Rating, Add</i>	997.77	
<i>For Class 56 Rating, Add</i>	1,323.00	
40 05 19 00-1181 EA 10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,248.61	481.55
<i>For Class 52 Rating, Deduct</i>	-497.09	
<i>For Class 54 Rating, Add</i>	686.60	
<i>For Class 55 Rating, Add</i>	1,025.25	
<i>For Class 56 Rating, Add</i>	1,359.37	
40 05 19 00-1182 EA 10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,376.35	484.92
<i>For Class 52 Rating, Deduct</i>	-510.58	
<i>For Class 54 Rating, Add</i>	705.06	
<i>For Class 55 Rating, Add</i>	1,052.72	
<i>For Class 56 Rating, Add</i>	1,395.73	
40 05 19 00-1183 EA 10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,504.10	488.28
<i>For Class 52 Rating, Deduct</i>	-524.07	
<i>For Class 54 Rating, Add</i>	723.52	
<i>For Class 55 Rating, Add</i>	1,080.19	
<i>For Class 56 Rating, Add</i>	1,432.10	
40 05 19 00-1184 EA 10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,631.85	491.65
<i>For Class 52 Rating, Deduct</i>	-537.56	
<i>For Class 54 Rating, Add</i>	741.98	
<i>For Class 55 Rating, Add</i>	1,107.66	
<i>For Class 56 Rating, Add</i>	1,468.46	
40 05 19 00-1185 EA 10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,759.61	495.02
<i>For Class 52 Rating, Deduct</i>	-551.05	
<i>For Class 54 Rating, Add</i>	760.44	
<i>For Class 55 Rating, Add</i>	1,135.14	
<i>For Class 56 Rating, Add</i>	1,504.83	
40 05 19 00-1186 EA 10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,887.36	498.39
<i>For Class 52 Rating, Deduct</i>	-564.55	
<i>For Class 54 Rating, Add</i>	778.90	
<i>For Class 55 Rating, Add</i>	1,162.61	
<i>For Class 56 Rating, Add</i>	1,541.19	
40 05 19 00-1187 EA 10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,015.11	501.75
<i>For Class 52 Rating, Deduct</i>	-578.04	
<i>For Class 54 Rating, Add</i>	797.35	
<i>For Class 55 Rating, Add</i>	1,190.08	
<i>For Class 56 Rating, Add</i>	1,577.56	
40 05 19 00-1188 EA 10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,142.86	505.12
<i>For Class 52 Rating, Deduct</i>	-591.53	
<i>For Class 54 Rating, Add</i>	815.81	
<i>For Class 55 Rating, Add</i>	1,217.56	
<i>For Class 56 Rating, Add</i>	1,613.92	
40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190 EA 12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,670.13	471.45
<i>For Class 52 Rating, Deduct</i>	-105.14	
<i>For Class 54 Rating, Add</i>	151.94	
<i>For Class 55 Rating, Add</i>	230.29	
<i>For Class 56 Rating, Add</i>	307.68	
40 05 19 00-1191 EA 12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,829.60	474.82
<i>For Class 52 Rating, Deduct</i>	-122.12	
<i>For Class 54 Rating, Add</i>	175.16	
<i>For Class 55 Rating, Add</i>	264.84	
<i>For Class 56 Rating, Add</i>	353.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192 EA 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.07	478.18
<i>For Class 52 Rating, Deduct</i>	-139.10	
<i>For Class 54 Rating, Add</i>	198.38	
<i>For Class 55 Rating, Add</i>	299.38	
<i>For Class 56 Rating, Add</i>	399.12	
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,148.54	481.55
<i>For Class 52 Rating, Deduct</i>	-156.08	
<i>For Class 54 Rating, Add</i>	221.59	
<i>For Class 55 Rating, Add</i>	333.93	
<i>For Class 56 Rating, Add</i>	444.85	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,308.01	484.92
<i>For Class 52 Rating, Deduct</i>	-173.06	
<i>For Class 54 Rating, Add</i>	244.81	
<i>For Class 55 Rating, Add</i>	368.48	
<i>For Class 56 Rating, Add</i>	490.57	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,467.48	488.28
<i>For Class 52 Rating, Deduct</i>	-190.04	
<i>For Class 54 Rating, Add</i>	268.03	
<i>For Class 55 Rating, Add</i>	403.02	
<i>For Class 56 Rating, Add</i>	536.29	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,626.95	491.65
<i>For Class 52 Rating, Deduct</i>	-207.02	
<i>For Class 54 Rating, Add</i>	291.24	
<i>For Class 55 Rating, Add</i>	437.57	
<i>For Class 56 Rating, Add</i>	582.02	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.43	495.02
<i>For Class 52 Rating, Deduct</i>	-224.00	
<i>For Class 54 Rating, Add</i>	314.46	
<i>For Class 55 Rating, Add</i>	472.12	
<i>For Class 56 Rating, Add</i>	627.74	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,945.90	498.39
<i>For Class 52 Rating, Deduct</i>	-240.98	
<i>For Class 54 Rating, Add</i>	337.68	
<i>For Class 55 Rating, Add</i>	506.66	
<i>For Class 56 Rating, Add</i>	673.46	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,105.37	501.75
<i>For Class 52 Rating, Deduct</i>	-257.97	
<i>For Class 54 Rating, Add</i>	360.89	
<i>For Class 55 Rating, Add</i>	541.21	
<i>For Class 56 Rating, Add</i>	719.18	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,264.83	505.12
<i>For Class 52 Rating, Deduct</i>	-274.95	
<i>For Class 54 Rating, Add</i>	384.11	
<i>For Class 55 Rating, Add</i>	575.76	
<i>For Class 56 Rating, Add</i>	764.90	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,424.31	508.50
<i>For Class 52 Rating, Deduct</i>	-291.93	
<i>For Class 54 Rating, Add</i>	407.33	
<i>For Class 55 Rating, Add</i>	610.30	
<i>For Class 56 Rating, Add</i>	810.63	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,583.79	511.85
<i>For Class 52 Rating, Deduct</i>	-308.91	
<i>For Class 54 Rating, Add</i>	430.54	
<i>For Class 55 Rating, Add</i>	644.85	
<i>For Class 56 Rating, Add</i>	856.35	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,743.26	515.23
<i>For Class 52 Rating, Deduct</i>	-325.89	
<i>For Class 54 Rating, Add</i>	453.76	
<i>For Class 55 Rating, Add</i>	679.40	
<i>For Class 56 Rating, Add</i>	902.07	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,902.73	518.59
<i>For Class 52 Rating, Deduct</i>	-342.87	
<i>For Class 54 Rating, Add</i>	476.98	
<i>For Class 55 Rating, Add</i>	713.94	
<i>For Class 56 Rating, Add</i>	947.80	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.20	521.97
<i>For Class 52 Rating, Deduct</i>	-359.85	
<i>For Class 54 Rating, Add</i>	500.19	
<i>For Class 55 Rating, Add</i>	748.49	
<i>For Class 56 Rating, Add</i>	993.52	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,221.68	525.32
			For Class 52 Rating, Deduct	-376.83	
			For Class 54 Rating, Add	523.41	
			For Class 55 Rating, Add	783.04	
			For Class 56 Rating, Add	1,039.24	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,381.15	528.70
			For Class 52 Rating, Deduct	-393.81	
			For Class 54 Rating, Add	546.63	
			For Class 55 Rating, Add	817.59	
			For Class 56 Rating, Add	1,084.96	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,540.61	532.06
			For Class 52 Rating, Deduct	-410.79	
			For Class 54 Rating, Add	569.84	
			For Class 55 Rating, Add	852.13	
			For Class 56 Rating, Add	1,130.68	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,700.08	535.43
			For Class 52 Rating, Deduct	-427.77	
			For Class 54 Rating, Add	593.06	
			For Class 55 Rating, Add	886.68	
			For Class 56 Rating, Add	1,176.41	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,859.55	538.79
			For Class 52 Rating, Deduct	-444.75	
			For Class 54 Rating, Add	616.27	
			For Class 55 Rating, Add	921.22	
			For Class 56 Rating, Add	1,222.13	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,019.03	542.17
			For Class 52 Rating, Deduct	-461.73	
			For Class 54 Rating, Add	639.49	
			For Class 55 Rating, Add	955.77	
			For Class 56 Rating, Add	1,267.85	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,178.50	545.53
			For Class 52 Rating, Deduct	-478.71	
			For Class 54 Rating, Add	662.71	
			For Class 55 Rating, Add	990.32	
			For Class 56 Rating, Add	1,313.58	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,337.97	548.90
			For Class 52 Rating, Deduct	-495.69	
			For Class 54 Rating, Add	685.93	
			For Class 55 Rating, Add	1,024.86	
			For Class 56 Rating, Add	1,359.30	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,497.44	552.26
			For Class 52 Rating, Deduct	-512.67	
			For Class 54 Rating, Add	709.14	
			For Class 55 Rating, Add	1,059.41	
			For Class 56 Rating, Add	1,405.02	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,656.91	555.64
			For Class 52 Rating, Deduct	-529.65	
			For Class 54 Rating, Add	732.36	
			For Class 55 Rating, Add	1,093.96	
			For Class 56 Rating, Add	1,450.74	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,816.38	559.01
			For Class 52 Rating, Deduct	-546.63	
			For Class 54 Rating, Add	755.57	
			For Class 55 Rating, Add	1,128.50	
			For Class 56 Rating, Add	1,496.46	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,975.85	562.37
			For Class 52 Rating, Deduct	-563.61	
			For Class 54 Rating, Add	778.79	
			For Class 55 Rating, Add	1,163.05	
			For Class 56 Rating, Add	1,542.19	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,135.32	565.73
			For Class 52 Rating, Deduct	-580.60	
			For Class 54 Rating, Add	802.01	
			For Class 55 Rating, Add	1,197.60	
			For Class 56 Rating, Add	1,587.91	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,294.79	569.11
			For Class 52 Rating, Deduct	-597.58	
			For Class 54 Rating, Add	825.22	
			For Class 55 Rating, Add	1,232.14	
			For Class 56 Rating, Add	1,633.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220 EA 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,454.27	572.46
<i>For Class 52 Rating, Deduct</i>	-614.56	
<i>For Class 54 Rating, Add</i>	848.44	
<i>For Class 55 Rating, Add</i>	1,266.69	
<i>For Class 56 Rating, Add</i>	1,679.36	
40 05 19 00-1221 EA 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,613.74	575.84
<i>For Class 52 Rating, Deduct</i>	-631.54	
<i>For Class 54 Rating, Add</i>	871.66	
<i>For Class 55 Rating, Add</i>	1,301.24	
<i>For Class 56 Rating, Add</i>	1,725.08	
40 05 19 00-1222 EA 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,773.21	579.21
<i>For Class 52 Rating, Deduct</i>	-648.52	
<i>For Class 54 Rating, Add</i>	894.87	
<i>For Class 55 Rating, Add</i>	1,335.79	
<i>For Class 56 Rating, Add</i>	1,770.80	
40 05 19 00-1223 EA 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,932.67	582.58
<i>For Class 52 Rating, Deduct</i>	-665.50	
<i>For Class 54 Rating, Add</i>	918.09	
<i>For Class 55 Rating, Add</i>	1,370.33	
<i>For Class 56 Rating, Add</i>	1,816.52	
40 05 19 00-1224 EA 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,092.14	585.94
<i>For Class 52 Rating, Deduct</i>	-682.48	
<i>For Class 54 Rating, Add</i>	941.31	
<i>For Class 55 Rating, Add</i>	1,404.88	
<i>For Class 56 Rating, Add</i>	1,862.24	
40 05 19 00-1225 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,251.62	589.31
<i>For Class 52 Rating, Deduct</i>	-699.46	
<i>For Class 54 Rating, Add</i>	964.52	
<i>For Class 55 Rating, Add</i>	1,439.42	
<i>For Class 56 Rating, Add</i>	1,907.97	
40 05 19 00-1226 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,411.09	592.68
<i>For Class 52 Rating, Deduct</i>	-716.44	
<i>For Class 54 Rating, Add</i>	987.74	
<i>For Class 55 Rating, Add</i>	1,473.97	
<i>For Class 56 Rating, Add</i>	1,953.69	
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,570.56	596.04
<i>For Class 52 Rating, Deduct</i>	-733.42	
<i>For Class 54 Rating, Add</i>	1,010.96	
<i>For Class 55 Rating, Add</i>	1,508.52	
<i>For Class 56 Rating, Add</i>	1,999.41	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,730.03	599.41
<i>For Class 52 Rating, Deduct</i>	-750.40	
<i>For Class 54 Rating, Add</i>	1,034.17	
<i>For Class 55 Rating, Add</i>	1,543.06	
<i>For Class 56 Rating, Add</i>	2,045.14	
40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,221.12	565.73
<i>For Class 52 Rating, Deduct</i>	-150.03	
<i>For Class 54 Rating, Add</i>	214.88	
<i>For Class 55 Rating, Add</i>	324.73	
<i>For Class 56 Rating, Add</i>	433.22	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,414.43	569.11
<i>For Class 52 Rating, Deduct</i>	-170.74	
<i>For Class 54 Rating, Add</i>	243.17	
<i>For Class 55 Rating, Add</i>	366.82	
<i>For Class 56 Rating, Add</i>	488.93	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,607.74	572.46
<i>For Class 52 Rating, Deduct</i>	-191.44	
<i>For Class 54 Rating, Add</i>	271.46	
<i>For Class 55 Rating, Add</i>	408.92	
<i>For Class 56 Rating, Add</i>	544.63	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,801.04	575.84
<i>For Class 52 Rating, Deduct</i>	-212.14	
<i>For Class 54 Rating, Add</i>	299.75	
<i>For Class 55 Rating, Add</i>	451.01	
<i>For Class 56 Rating, Add</i>	600.33	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,994.34	579.21
			<i>For Class 52 Rating, Deduct</i>	-232.84	
			<i>For Class 54 Rating, Add</i>	328.04	
			<i>For Class 55 Rating, Add</i>	493.10	
			<i>For Class 56 Rating, Add</i>	656.03	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,187.65	582.58
			<i>For Class 52 Rating, Deduct</i>	-253.55	
			<i>For Class 54 Rating, Add</i>	356.34	
			<i>For Class 55 Rating, Add</i>	535.19	
			<i>For Class 56 Rating, Add</i>	711.74	
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,380.95	585.94
			<i>For Class 52 Rating, Deduct</i>	-274.25	
			<i>For Class 54 Rating, Add</i>	384.63	
			<i>For Class 55 Rating, Add</i>	577.28	
			<i>For Class 56 Rating, Add</i>	767.44	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,574.26	589.31
			<i>For Class 52 Rating, Deduct</i>	-294.95	
			<i>For Class 54 Rating, Add</i>	412.92	
			<i>For Class 55 Rating, Add</i>	619.37	
			<i>For Class 56 Rating, Add</i>	823.15	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,767.57	592.68
			<i>For Class 52 Rating, Deduct</i>	-315.65	
			<i>For Class 54 Rating, Add</i>	441.21	
			<i>For Class 55 Rating, Add</i>	661.47	
			<i>For Class 56 Rating, Add</i>	878.85	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,960.87	596.04
			<i>For Class 52 Rating, Deduct</i>	-336.35	
			<i>For Class 54 Rating, Add</i>	469.50	
			<i>For Class 55 Rating, Add</i>	703.56	
			<i>For Class 56 Rating, Add</i>	934.55	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.17	599.41
			<i>For Class 52 Rating, Deduct</i>	-357.06	
			<i>For Class 54 Rating, Add</i>	497.79	
			<i>For Class 55 Rating, Add</i>	745.65	
			<i>For Class 56 Rating, Add</i>	990.26	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,347.48	602.78
			<i>For Class 52 Rating, Deduct</i>	-377.76	
			<i>For Class 54 Rating, Add</i>	526.09	
			<i>For Class 55 Rating, Add</i>	787.74	
			<i>For Class 56 Rating, Add</i>	1,045.96	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,540.79	606.15
			<i>For Class 52 Rating, Deduct</i>	-398.46	
			<i>For Class 54 Rating, Add</i>	554.38	
			<i>For Class 55 Rating, Add</i>	829.83	
			<i>For Class 56 Rating, Add</i>	1,101.66	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,734.09	609.51
			<i>For Class 52 Rating, Deduct</i>	-419.16	
			<i>For Class 54 Rating, Add</i>	582.67	
			<i>For Class 55 Rating, Add</i>	871.92	
			<i>For Class 56 Rating, Add</i>	1,157.37	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,927.39	612.88
			<i>For Class 52 Rating, Deduct</i>	-439.87	
			<i>For Class 54 Rating, Add</i>	610.96	
			<i>For Class 55 Rating, Add</i>	914.01	
			<i>For Class 56 Rating, Add</i>	1,213.07	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,120.70	616.25
			<i>For Class 52 Rating, Deduct</i>	-460.57	
			<i>For Class 54 Rating, Add</i>	639.25	
			<i>For Class 55 Rating, Add</i>	956.11	
			<i>For Class 56 Rating, Add</i>	1,268.78	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,314.01	619.61
			<i>For Class 52 Rating, Deduct</i>	-481.27	
			<i>For Class 54 Rating, Add</i>	667.54	
			<i>For Class 55 Rating, Add</i>	998.20	
			<i>For Class 56 Rating, Add</i>	1,324.48	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,507.31	622.98
			<i>For Class 52 Rating, Deduct</i>	-501.97	
			<i>For Class 54 Rating, Add</i>	695.84	
			<i>For Class 55 Rating, Add</i>	1,040.29	
			<i>For Class 56 Rating, Add</i>	1,380.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248 EA 14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,700.62	626.35
<i>For Class 52 Rating, Deduct</i>	-522.68	
<i>For Class 54 Rating, Add</i>	724.13	
<i>For Class 55 Rating, Add</i>	1,082.38	
<i>For Class 56 Rating, Add</i>	1,435.89	
40 05 19 00-1249 EA 14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,893.92	629.73
<i>For Class 52 Rating, Deduct</i>	-543.38	
<i>For Class 54 Rating, Add</i>	752.42	
<i>For Class 55 Rating, Add</i>	1,124.47	
<i>For Class 56 Rating, Add</i>	1,491.59	
40 05 19 00-1250 EA 14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,087.22	633.08
<i>For Class 52 Rating, Deduct</i>	-564.08	
<i>For Class 54 Rating, Add</i>	780.71	
<i>For Class 55 Rating, Add</i>	1,166.57	
<i>For Class 56 Rating, Add</i>	1,547.29	
40 05 19 00-1251 EA 14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,280.53	636.45
<i>For Class 52 Rating, Deduct</i>	-584.78	
<i>For Class 54 Rating, Add</i>	809.00	
<i>For Class 55 Rating, Add</i>	1,208.66	
<i>For Class 56 Rating, Add</i>	1,602.99	
40 05 19 00-1252 EA 14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,473.84	639.82
<i>For Class 52 Rating, Deduct</i>	-605.49	
<i>For Class 54 Rating, Add</i>	837.29	
<i>For Class 55 Rating, Add</i>	1,250.75	
<i>For Class 56 Rating, Add</i>	1,658.70	
40 05 19 00-1253 EA 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,667.14	643.20
<i>For Class 52 Rating, Deduct</i>	-626.19	
<i>For Class 54 Rating, Add</i>	865.59	
<i>For Class 55 Rating, Add</i>	1,292.84	
<i>For Class 56 Rating, Add</i>	1,714.40	
40 05 19 00-1254 EA 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,860.44	646.55
<i>For Class 52 Rating, Deduct</i>	-646.89	
<i>For Class 54 Rating, Add</i>	893.88	
<i>For Class 55 Rating, Add</i>	1,334.93	
<i>For Class 56 Rating, Add</i>	1,770.11	
40 05 19 00-1255 EA 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,053.76	649.93
<i>For Class 52 Rating, Deduct</i>	-667.59	
<i>For Class 54 Rating, Add</i>	922.17	
<i>For Class 55 Rating, Add</i>	1,377.03	
<i>For Class 56 Rating, Add</i>	1,825.81	
40 05 19 00-1256 EA 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,247.06	653.29
<i>For Class 52 Rating, Deduct</i>	-688.29	
<i>For Class 54 Rating, Add</i>	950.46	
<i>For Class 55 Rating, Add</i>	1,419.12	
<i>For Class 56 Rating, Add</i>	1,881.51	
40 05 19 00-1257 EA 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,440.36	656.66
<i>For Class 52 Rating, Deduct</i>	-709.00	
<i>For Class 54 Rating, Add</i>	978.75	
<i>For Class 55 Rating, Add</i>	1,461.21	
<i>For Class 56 Rating, Add</i>	1,937.22	
40 05 19 00-1258 EA 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,633.67	660.02
<i>For Class 52 Rating, Deduct</i>	-729.70	
<i>For Class 54 Rating, Add</i>	1,007.04	
<i>For Class 55 Rating, Add</i>	1,503.30	
<i>For Class 56 Rating, Add</i>	1,992.92	
40 05 19 00-1259 EA 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,826.97	663.40
<i>For Class 52 Rating, Deduct</i>	-750.40	
<i>For Class 54 Rating, Add</i>	1,035.34	
<i>For Class 55 Rating, Add</i>	1,545.39	
<i>For Class 56 Rating, Add</i>	2,048.62	
40 05 19 00-1260 EA 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,020.28	666.76
<i>For Class 52 Rating, Deduct</i>	-771.10	
<i>For Class 54 Rating, Add</i>	1,063.63	
<i>For Class 55 Rating, Add</i>	1,587.48	
<i>For Class 56 Rating, Add</i>	2,104.33	
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,213.58	670.13
<i>For Class 52 Rating, Deduct</i>	-791.81	
<i>For Class 54 Rating, Add</i>	1,091.92	
<i>For Class 55 Rating, Add</i>	1,629.57	
<i>For Class 56 Rating, Add</i>	2,160.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,406.89	673.49
		<i>For Class 52 Rating, Deduct</i>	-812.51	
		<i>For Class 54 Rating, Add</i>	1,120.21	
		<i>For Class 55 Rating, Add</i>	1,671.67	
		<i>For Class 56 Rating, Add</i>	2,215.74	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,600.19	676.87
		<i>For Class 52 Rating, Deduct</i>	-833.21	
		<i>For Class 54 Rating, Add</i>	1,148.50	
		<i>For Class 55 Rating, Add</i>	1,713.76	
		<i>For Class 56 Rating, Add</i>	2,271.44	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,793.49	680.22
		<i>For Class 52 Rating, Deduct</i>	-853.91	
		<i>For Class 54 Rating, Add</i>	1,176.79	
		<i>For Class 55 Rating, Add</i>	1,755.85	
		<i>For Class 56 Rating, Add</i>	2,327.14	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,986.81	683.60
		<i>For Class 52 Rating, Deduct</i>	-874.62	
		<i>For Class 54 Rating, Add</i>	1,205.09	
		<i>For Class 55 Rating, Add</i>	1,797.94	
		<i>For Class 56 Rating, Add</i>	2,382.85	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,180.11	686.96
		<i>For Class 52 Rating, Deduct</i>	-895.32	
		<i>For Class 54 Rating, Add</i>	1,233.38	
		<i>For Class 55 Rating, Add</i>	1,840.03	
		<i>For Class 56 Rating, Add</i>	2,438.55	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,373.41	690.34
		<i>For Class 52 Rating, Deduct</i>	-916.02	
		<i>For Class 54 Rating, Add</i>	1,261.67	
		<i>For Class 55 Rating, Add</i>	1,882.12	
		<i>For Class 56 Rating, Add</i>	2,494.25	
40 05 19 00-1268		16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,593.10	646.55
		<i>For Class 52 Rating, Deduct</i>	-177.48	
		<i>For Class 54 Rating, Add</i>	253.78	
		<i>For Class 55 Rating, Add</i>	383.31	
		<i>For Class 56 Rating, Add</i>	511.24	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.13	649.93
		<i>For Class 52 Rating, Deduct</i>	-201.67	
		<i>For Class 54 Rating, Add</i>	286.83	
		<i>For Class 55 Rating, Add</i>	432.48	
		<i>For Class 56 Rating, Add</i>	576.30	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,043.16	653.29
		<i>For Class 52 Rating, Deduct</i>	-225.87	
		<i>For Class 54 Rating, Add</i>	319.88	
		<i>For Class 55 Rating, Add</i>	481.65	
		<i>For Class 56 Rating, Add</i>	641.36	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,268.18	656.66
		<i>For Class 52 Rating, Deduct</i>	-250.06	
		<i>For Class 54 Rating, Add</i>	352.93	
		<i>For Class 55 Rating, Add</i>	530.81	
		<i>For Class 56 Rating, Add</i>	706.42	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,493.20	660.02
		<i>For Class 52 Rating, Deduct</i>	-274.25	
		<i>For Class 54 Rating, Add</i>	385.97	
		<i>For Class 55 Rating, Add</i>	579.98	
		<i>For Class 56 Rating, Add</i>	771.48	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,718.22	663.40
		<i>For Class 52 Rating, Deduct</i>	-298.44	
		<i>For Class 54 Rating, Add</i>	419.02	
		<i>For Class 55 Rating, Add</i>	629.14	
		<i>For Class 56 Rating, Add</i>	836.54	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,943.26	666.76
		<i>For Class 52 Rating, Deduct</i>	-322.63	
		<i>For Class 54 Rating, Add</i>	452.07	
		<i>For Class 55 Rating, Add</i>	678.31	
		<i>For Class 56 Rating, Add</i>	901.61	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,168.28	670.13
<i>For Class 52 Rating, Deduct</i>	-346.82	
<i>For Class 54 Rating, Add</i>	485.12	
<i>For Class 55 Rating, Add</i>	727.47	
<i>For Class 56 Rating, Add</i>	966.67	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,393.30	673.49
<i>For Class 52 Rating, Deduct</i>	-371.01	
<i>For Class 54 Rating, Add</i>	518.17	
<i>For Class 55 Rating, Add</i>	776.64	
<i>For Class 56 Rating, Add</i>	1,031.73	
40 05 19 00-1278 EA 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,618.32	676.87
<i>For Class 52 Rating, Deduct</i>	-395.20	
<i>For Class 54 Rating, Add</i>	551.22	
<i>For Class 55 Rating, Add</i>	825.80	
<i>For Class 56 Rating, Add</i>	1,096.79	
40 05 19 00-1279 EA 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,843.35	680.22
<i>For Class 52 Rating, Deduct</i>	-419.40	
<i>For Class 54 Rating, Add</i>	584.27	
<i>For Class 55 Rating, Add</i>	874.97	
<i>For Class 56 Rating, Add</i>	1,161.85	
40 05 19 00-1280 EA 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,068.38	683.60
<i>For Class 52 Rating, Deduct</i>	-443.59	
<i>For Class 54 Rating, Add</i>	617.32	
<i>For Class 55 Rating, Add</i>	924.13	
<i>For Class 56 Rating, Add</i>	1,226.91	
40 05 19 00-1281 EA 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,293.40	686.96
<i>For Class 52 Rating, Deduct</i>	-467.78	
<i>For Class 54 Rating, Add</i>	650.37	
<i>For Class 55 Rating, Add</i>	973.30	
<i>For Class 56 Rating, Add</i>	1,291.97	
40 05 19 00-1282 EA 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,518.42	690.34
<i>For Class 52 Rating, Deduct</i>	-491.97	
<i>For Class 54 Rating, Add</i>	683.42	
<i>For Class 55 Rating, Add</i>	1,022.46	
<i>For Class 56 Rating, Add</i>	1,357.03	
40 05 19 00-1283 EA 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,743.45	693.69
<i>For Class 52 Rating, Deduct</i>	-516.16	
<i>For Class 54 Rating, Add</i>	716.47	
<i>For Class 55 Rating, Add</i>	1,071.63	
<i>For Class 56 Rating, Add</i>	1,422.09	
40 05 19 00-1284 EA 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,968.48	697.07
<i>For Class 52 Rating, Deduct</i>	-540.35	
<i>For Class 54 Rating, Add</i>	749.52	
<i>For Class 55 Rating, Add</i>	1,120.79	
<i>For Class 56 Rating, Add</i>	1,487.15	
40 05 19 00-1285 EA 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,193.50	700.44
<i>For Class 52 Rating, Deduct</i>	-564.55	
<i>For Class 54 Rating, Add</i>	782.57	
<i>For Class 55 Rating, Add</i>	1,169.96	
<i>For Class 56 Rating, Add</i>	1,552.21	
40 05 19 00-1286 EA 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,418.52	703.80
<i>For Class 52 Rating, Deduct</i>	-588.74	
<i>For Class 54 Rating, Add</i>	815.62	
<i>For Class 55 Rating, Add</i>	1,219.12	
<i>For Class 56 Rating, Add</i>	1,617.27	
40 05 19 00-1287 EA 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,643.55	707.17
<i>For Class 52 Rating, Deduct</i>	-612.93	
<i>For Class 54 Rating, Add</i>	848.67	
<i>For Class 55 Rating, Add</i>	1,268.29	
<i>For Class 56 Rating, Add</i>	1,682.34	
40 05 19 00-1288 EA 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,868.57	710.54
<i>For Class 52 Rating, Deduct</i>	-637.12	
<i>For Class 54 Rating, Add</i>	881.72	
<i>For Class 55 Rating, Add</i>	1,317.45	
<i>For Class 56 Rating, Add</i>	1,747.40	
40 05 19 00-1289 EA 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,093.60	713.91
<i>For Class 52 Rating, Deduct</i>	-661.31	
<i>For Class 54 Rating, Add</i>	914.77	
<i>For Class 55 Rating, Add</i>	1,366.62	
<i>For Class 56 Rating, Add</i>	1,812.46	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,318.62	717.27
		<i>For Class 52 Rating, Deduct</i>	-685.50	
		<i>For Class 54 Rating, Add</i>	947.82	
		<i>For Class 55 Rating, Add</i>	1,415.78	
		<i>For Class 56 Rating, Add</i>	1,877.52	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,543.65	720.64
		<i>For Class 52 Rating, Deduct</i>	-709.69	
		<i>For Class 54 Rating, Add</i>	980.87	
		<i>For Class 55 Rating, Add</i>	1,464.95	
		<i>For Class 56 Rating, Add</i>	1,942.58	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,768.67	724.01
		<i>For Class 52 Rating, Deduct</i>	-733.89	
		<i>For Class 54 Rating, Add</i>	1,013.92	
		<i>For Class 55 Rating, Add</i>	1,514.11	
		<i>For Class 56 Rating, Add</i>	2,007.64	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,993.69	727.38
		<i>For Class 52 Rating, Deduct</i>	-758.08	
		<i>For Class 54 Rating, Add</i>	1,046.97	
		<i>For Class 55 Rating, Add</i>	1,563.28	
		<i>For Class 56 Rating, Add</i>	2,072.70	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,218.72	730.74
		<i>For Class 52 Rating, Deduct</i>	-782.27	
		<i>For Class 54 Rating, Add</i>	1,080.02	
		<i>For Class 55 Rating, Add</i>	1,612.44	
		<i>For Class 56 Rating, Add</i>	2,137.76	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,443.75	734.11
		<i>For Class 52 Rating, Deduct</i>	-806.46	
		<i>For Class 54 Rating, Add</i>	1,113.07	
		<i>For Class 55 Rating, Add</i>	1,661.61	
		<i>For Class 56 Rating, Add</i>	2,202.82	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,668.77	737.48
		<i>For Class 52 Rating, Deduct</i>	-830.65	
		<i>For Class 54 Rating, Add</i>	1,146.12	
		<i>For Class 55 Rating, Add</i>	1,710.78	
		<i>For Class 56 Rating, Add</i>	2,267.88	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,893.79	740.84
		<i>For Class 52 Rating, Deduct</i>	-854.84	
		<i>For Class 54 Rating, Add</i>	1,179.16	
		<i>For Class 55 Rating, Add</i>	1,759.94	
		<i>For Class 56 Rating, Add</i>	2,332.94	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,118.82	744.21
		<i>For Class 52 Rating, Deduct</i>	-879.03	
		<i>For Class 54 Rating, Add</i>	1,212.21	
		<i>For Class 55 Rating, Add</i>	1,809.10	
		<i>For Class 56 Rating, Add</i>	2,398.00	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,343.85	747.58
		<i>For Class 52 Rating, Deduct</i>	-903.23	
		<i>For Class 54 Rating, Add</i>	1,245.26	
		<i>For Class 55 Rating, Add</i>	1,858.27	
		<i>For Class 56 Rating, Add</i>	2,463.07	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,568.87	750.96
		<i>For Class 52 Rating, Deduct</i>	-927.42	
		<i>For Class 54 Rating, Add</i>	1,278.31	
		<i>For Class 55 Rating, Add</i>	1,907.44	
		<i>For Class 56 Rating, Add</i>	2,528.13	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,793.89	754.31
		<i>For Class 52 Rating, Deduct</i>	-951.61	
		<i>For Class 54 Rating, Add</i>	1,311.36	
		<i>For Class 55 Rating, Add</i>	1,956.60	
		<i>For Class 56 Rating, Add</i>	2,593.19	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,018.91	757.68
		<i>For Class 52 Rating, Deduct</i>	-975.80	
		<i>For Class 54 Rating, Add</i>	1,344.41	
		<i>For Class 55 Rating, Add</i>	2,005.76	
		<i>For Class 56 Rating, Add</i>	2,658.25	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,243.95	761.05
		<i>For Class 52 Rating, Deduct</i>	-999.99	
		<i>For Class 54 Rating, Add</i>	1,377.46	
		<i>For Class 55 Rating, Add</i>	2,054.93	
		<i>For Class 56 Rating, Add</i>	2,723.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,468.97	764.41
For Class 52 Rating, Deduct	-1,024.18	
For Class 54 Rating, Add	1,410.51	
For Class 55 Rating, Add	2,104.10	
For Class 56 Rating, Add	2,788.37	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,693.99	767.78
For Class 52 Rating, Deduct	-1,048.37	
For Class 54 Rating, Add	1,443.56	
For Class 55 Rating, Add	2,153.26	
For Class 56 Rating, Add	2,853.43	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,919.01	771.16
For Class 52 Rating, Deduct	-1,072.57	
For Class 54 Rating, Add	1,476.61	
For Class 55 Rating, Add	2,202.43	
For Class 56 Rating, Add	2,918.49	
40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,996.73	728.73
For Class 52 Rating, Deduct	-208.19	
For Class 54 Rating, Add	297.14	
For Class 55 Rating, Add	448.55	
For Class 56 Rating, Add	598.07	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,255.59	732.10
For Class 52 Rating, Deduct	-236.10	
For Class 54 Rating, Add	335.26	
For Class 55 Rating, Add	505.26	
For Class 56 Rating, Add	673.11	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,514.45	735.46
For Class 52 Rating, Deduct	-264.01	
For Class 54 Rating, Add	373.39	
For Class 55 Rating, Add	561.97	
For Class 56 Rating, Add	748.15	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.31	738.83
For Class 52 Rating, Deduct	-291.93	
For Class 54 Rating, Add	411.51	
For Class 55 Rating, Add	618.68	
For Class 56 Rating, Add	823.19	
40 05 19 00-1312 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,032.17	742.20
For Class 52 Rating, Deduct	-319.84	
For Class 54 Rating, Add	449.64	
For Class 55 Rating, Add	675.39	
For Class 56 Rating, Add	898.23	
40 05 19 00-1313 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,291.03	745.55
For Class 52 Rating, Deduct	-347.75	
For Class 54 Rating, Add	487.76	
For Class 55 Rating, Add	732.10	
For Class 56 Rating, Add	973.28	
40 05 19 00-1314 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,549.88	748.93
For Class 52 Rating, Deduct	-375.67	
For Class 54 Rating, Add	525.89	
For Class 55 Rating, Add	788.81	
For Class 56 Rating, Add	1,048.32	
40 05 19 00-1315 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,808.74	752.30
For Class 52 Rating, Deduct	-403.58	
For Class 54 Rating, Add	564.01	
For Class 55 Rating, Add	845.52	
For Class 56 Rating, Add	1,123.36	
40 05 19 00-1316 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,067.61	755.67
For Class 52 Rating, Deduct	-431.49	
For Class 54 Rating, Add	602.14	
For Class 55 Rating, Add	902.23	
For Class 56 Rating, Add	1,198.40	
40 05 19 00-1317 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,326.46	759.03
For Class 52 Rating, Deduct	-459.41	
For Class 54 Rating, Add	640.26	
For Class 55 Rating, Add	958.94	
For Class 56 Rating, Add	1,273.44	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,585.32	762.40
			<i>For Class 52 Rating, Deduct</i>	-487.32	
			<i>For Class 54 Rating, Add</i>	678.39	
			<i>For Class 55 Rating, Add</i>	1,015.65	
			<i>For Class 56 Rating, Add</i>	1,348.49	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,844.18	765.77
			<i>For Class 52 Rating, Deduct</i>	-515.23	
			<i>For Class 54 Rating, Add</i>	716.51	
			<i>For Class 55 Rating, Add</i>	1,072.36	
			<i>For Class 56 Rating, Add</i>	1,423.53	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,103.04	769.13
			<i>For Class 52 Rating, Deduct</i>	-543.14	
			<i>For Class 54 Rating, Add</i>	754.64	
			<i>For Class 55 Rating, Add</i>	1,129.07	
			<i>For Class 56 Rating, Add</i>	1,498.57	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,361.90	772.50
			<i>For Class 52 Rating, Deduct</i>	-571.06	
			<i>For Class 54 Rating, Add</i>	792.76	
			<i>For Class 55 Rating, Add</i>	1,185.78	
			<i>For Class 56 Rating, Add</i>	1,573.61	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,620.76	775.87
			<i>For Class 52 Rating, Deduct</i>	-598.97	
			<i>For Class 54 Rating, Add</i>	830.89	
			<i>For Class 55 Rating, Add</i>	1,242.49	
			<i>For Class 56 Rating, Add</i>	1,648.65	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,879.61	779.24
			<i>For Class 52 Rating, Deduct</i>	-626.88	
			<i>For Class 54 Rating, Add</i>	869.01	
			<i>For Class 55 Rating, Add</i>	1,299.20	
			<i>For Class 56 Rating, Add</i>	1,723.69	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,138.47	782.60
			<i>For Class 52 Rating, Deduct</i>	-654.80	
			<i>For Class 54 Rating, Add</i>	907.14	
			<i>For Class 55 Rating, Add</i>	1,355.91	
			<i>For Class 56 Rating, Add</i>	1,798.74	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,397.34	785.97
			<i>For Class 52 Rating, Deduct</i>	-682.71	
			<i>For Class 54 Rating, Add</i>	945.26	
			<i>For Class 55 Rating, Add</i>	1,412.62	
			<i>For Class 56 Rating, Add</i>	1,873.78	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,656.20	789.35
			<i>For Class 52 Rating, Deduct</i>	-710.63	
			<i>For Class 54 Rating, Add</i>	983.39	
			<i>For Class 55 Rating, Add</i>	1,469.33	
			<i>For Class 56 Rating, Add</i>	1,948.82	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,915.05	792.70
			<i>For Class 52 Rating, Deduct</i>	-738.54	
			<i>For Class 54 Rating, Add</i>	1,021.51	
			<i>For Class 55 Rating, Add</i>	1,526.04	
			<i>For Class 56 Rating, Add</i>	2,023.86	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,173.91	796.07
			<i>For Class 52 Rating, Deduct</i>	-766.45	
			<i>For Class 54 Rating, Add</i>	1,059.64	
			<i>For Class 55 Rating, Add</i>	1,582.75	
			<i>For Class 56 Rating, Add</i>	2,098.91	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,432.77	799.44
			<i>For Class 52 Rating, Deduct</i>	-794.37	
			<i>For Class 54 Rating, Add</i>	1,097.76	
			<i>For Class 55 Rating, Add</i>	1,639.46	
			<i>For Class 56 Rating, Add</i>	2,173.95	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,691.63	802.82
			<i>For Class 52 Rating, Deduct</i>	-822.28	
			<i>For Class 54 Rating, Add</i>	1,135.88	
			<i>For Class 55 Rating, Add</i>	1,696.17	
			<i>For Class 56 Rating, Add</i>	2,248.99	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,950.49	806.17
			<i>For Class 52 Rating, Deduct</i>	-850.19	
			<i>For Class 54 Rating, Add</i>	1,174.01	
			<i>For Class 55 Rating, Add</i>	1,752.88	
			<i>For Class 56 Rating, Add</i>	2,324.03	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,209.35	809.55
<i>For Class 52 Rating, Deduct</i>	-878.10	
<i>For Class 54 Rating, Add</i>	1,212.13	
<i>For Class 55 Rating, Add</i>	1,809.60	
<i>For Class 56 Rating, Add</i>	2,399.07	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,468.20	812.91
<i>For Class 52 Rating, Deduct</i>	-906.02	
<i>For Class 54 Rating, Add</i>	1,250.26	
<i>For Class 55 Rating, Add</i>	1,866.30	
<i>For Class 56 Rating, Add</i>	2,474.11	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,727.07	816.29
<i>For Class 52 Rating, Deduct</i>	-933.93	
<i>For Class 54 Rating, Add</i>	1,288.38	
<i>For Class 55 Rating, Add</i>	1,923.02	
<i>For Class 56 Rating, Add</i>	2,549.16	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,985.93	819.64
<i>For Class 52 Rating, Deduct</i>	-961.84	
<i>For Class 54 Rating, Add</i>	1,326.51	
<i>For Class 55 Rating, Add</i>	1,979.73	
<i>For Class 56 Rating, Add</i>	2,624.20	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,244.78	823.02
<i>For Class 52 Rating, Deduct</i>	-989.76	
<i>For Class 54 Rating, Add</i>	1,364.63	
<i>For Class 55 Rating, Add</i>	2,036.43	
<i>For Class 56 Rating, Add</i>	2,699.24	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,503.64	826.38
<i>For Class 52 Rating, Deduct</i>	-1,017.67	
<i>For Class 54 Rating, Add</i>	1,402.76	
<i>For Class 55 Rating, Add</i>	2,093.15	
<i>For Class 56 Rating, Add</i>	2,774.28	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,762.50	829.75
<i>For Class 52 Rating, Deduct</i>	-1,045.58	
<i>For Class 54 Rating, Add</i>	1,440.88	
<i>For Class 55 Rating, Add</i>	2,149.86	
<i>For Class 56 Rating, Add</i>	2,849.33	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,021.36	833.11
<i>For Class 52 Rating, Deduct</i>	-1,073.50	
<i>For Class 54 Rating, Add</i>	1,479.01	
<i>For Class 55 Rating, Add</i>	2,206.57	
<i>For Class 56 Rating, Add</i>	2,924.37	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,280.22	836.49
<i>For Class 52 Rating, Deduct</i>	-1,101.41	
<i>For Class 54 Rating, Add</i>	1,517.13	
<i>For Class 55 Rating, Add</i>	2,263.28	
<i>For Class 56 Rating, Add</i>	2,999.41	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,539.08	839.85
<i>For Class 52 Rating, Deduct</i>	-1,129.32	
<i>For Class 54 Rating, Add</i>	1,555.26	
<i>For Class 55 Rating, Add</i>	2,319.99	
<i>For Class 56 Rating, Add</i>	3,074.45	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,797.93	843.22
<i>For Class 52 Rating, Deduct</i>	-1,157.24	
<i>For Class 54 Rating, Add</i>	1,593.38	
<i>For Class 55 Rating, Add</i>	2,376.70	
<i>For Class 56 Rating, Add</i>	3,149.49	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,056.79	846.58
<i>For Class 52 Rating, Deduct</i>	-1,185.15	
<i>For Class 54 Rating, Add</i>	1,631.51	
<i>For Class 55 Rating, Add</i>	2,433.41	
<i>For Class 56 Rating, Add</i>	3,224.53	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,315.66	849.96
<i>For Class 52 Rating, Deduct</i>	-1,213.06	
<i>For Class 54 Rating, Add</i>	1,669.63	
<i>For Class 55 Rating, Add</i>	2,490.12	
<i>For Class 56 Rating, Add</i>	3,299.58	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,574.51	853.31
<i>For Class 52 Rating, Deduct</i>	-1,240.98	
<i>For Class 54 Rating, Add</i>	1,707.75	
<i>For Class 55 Rating, Add</i>	2,546.83	
<i>For Class 56 Rating, Add</i>	3,374.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,489.08	831.77
			For Class 52 Rating, Deduct	-245.17	
			For Class 54 Rating, Add	349.45	
			For Class 55 Rating, Add	527.28	
			For Class 56 Rating, Add	702.87	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,786.00	835.15
			For Class 52 Rating, Deduct	-277.27	
			For Class 54 Rating, Add	393.28	
			For Class 55 Rating, Add	592.47	
			For Class 56 Rating, Add	789.14	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,082.93	838.50
			For Class 52 Rating, Deduct	-309.37	
			For Class 54 Rating, Add	437.12	
			For Class 55 Rating, Add	657.67	
			For Class 56 Rating, Add	875.42	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,379.85	841.87
			For Class 52 Rating, Deduct	-341.47	
			For Class 54 Rating, Add	480.95	
			For Class 55 Rating, Add	722.87	
			For Class 56 Rating, Add	961.69	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,676.77	845.24
			For Class 52 Rating, Deduct	-373.57	
			For Class 54 Rating, Add	524.78	
			For Class 55 Rating, Add	788.07	
			For Class 56 Rating, Add	1,047.96	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,973.70	848.60
			For Class 52 Rating, Deduct	-405.67	
			For Class 54 Rating, Add	568.62	
			For Class 55 Rating, Add	853.27	
			For Class 56 Rating, Add	1,134.23	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,270.62	851.97
			For Class 52 Rating, Deduct	-437.77	
			For Class 54 Rating, Add	612.45	
			For Class 55 Rating, Add	918.47	
			For Class 56 Rating, Add	1,220.50	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,567.55	855.35
			For Class 52 Rating, Deduct	-469.87	
			For Class 54 Rating, Add	656.29	
			For Class 55 Rating, Add	983.66	
			For Class 56 Rating, Add	1,306.77	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,864.47	858.71
			For Class 52 Rating, Deduct	-501.97	
			For Class 54 Rating, Add	700.12	
			For Class 55 Rating, Add	1,048.86	
			For Class 56 Rating, Add	1,393.04	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,161.39	862.07
			For Class 52 Rating, Deduct	-534.07	
			For Class 54 Rating, Add	743.96	
			For Class 55 Rating, Add	1,114.06	
			For Class 56 Rating, Add	1,479.31	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,458.31	865.44
			For Class 52 Rating, Deduct	-566.17	
			For Class 54 Rating, Add	787.79	
			For Class 55 Rating, Add	1,179.26	
			For Class 56 Rating, Add	1,565.58	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,755.23	868.82
			For Class 52 Rating, Deduct	-598.27	
			For Class 54 Rating, Add	831.62	
			For Class 55 Rating, Add	1,244.46	
			For Class 56 Rating, Add	1,651.85	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,052.16	872.17
			For Class 52 Rating, Deduct	-630.37	
			For Class 54 Rating, Add	875.46	
			For Class 55 Rating, Add	1,309.66	
			For Class 56 Rating, Add	1,738.12	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,349.08	875.54
			For Class 52 Rating, Deduct	-662.47	
			For Class 54 Rating, Add	919.29	
			For Class 55 Rating, Add	1,374.85	
			For Class 56 Rating, Add	1,824.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361 EA 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,646.01	878.91
For Class 52 Rating, Deduct	-694.58	
For Class 54 Rating, Add	963.13	
For Class 55 Rating, Add	1,440.05	
For Class 56 Rating, Add	1,910.67	
40 05 19 00-1362 EA 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,942.93	882.29
For Class 52 Rating, Deduct	-726.68	
For Class 54 Rating, Add	1,006.96	
For Class 55 Rating, Add	1,505.25	
For Class 56 Rating, Add	1,996.94	
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,239.86	885.64
For Class 52 Rating, Deduct	-758.78	
For Class 54 Rating, Add	1,050.80	
For Class 55 Rating, Add	1,570.45	
For Class 56 Rating, Add	2,083.21	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,536.78	889.02
For Class 52 Rating, Deduct	-790.88	
For Class 54 Rating, Add	1,094.63	
For Class 55 Rating, Add	1,635.65	
For Class 56 Rating, Add	2,169.48	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,833.70	892.39
For Class 52 Rating, Deduct	-822.98	
For Class 54 Rating, Add	1,138.47	
For Class 55 Rating, Add	1,700.85	
For Class 56 Rating, Add	2,255.75	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,130.62	895.76
For Class 52 Rating, Deduct	-855.08	
For Class 54 Rating, Add	1,182.30	
For Class 55 Rating, Add	1,766.05	
For Class 56 Rating, Add	2,342.02	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,427.54	899.12
For Class 52 Rating, Deduct	-887.18	
For Class 54 Rating, Add	1,226.13	
For Class 55 Rating, Add	1,831.24	
For Class 56 Rating, Add	2,428.29	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,724.47	902.49
For Class 52 Rating, Deduct	-919.28	
For Class 54 Rating, Add	1,269.97	
For Class 55 Rating, Add	1,896.44	
For Class 56 Rating, Add	2,514.56	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,021.39	905.86
For Class 52 Rating, Deduct	-951.38	
For Class 54 Rating, Add	1,313.80	
For Class 55 Rating, Add	1,961.64	
For Class 56 Rating, Add	2,600.83	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,318.31	909.21
For Class 52 Rating, Deduct	-983.48	
For Class 54 Rating, Add	1,357.64	
For Class 55 Rating, Add	2,026.84	
For Class 56 Rating, Add	2,687.10	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,615.23	912.59
For Class 52 Rating, Deduct	-1,015.58	
For Class 54 Rating, Add	1,401.47	
For Class 55 Rating, Add	2,092.04	
For Class 56 Rating, Add	2,773.37	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,912.15	915.96
For Class 52 Rating, Deduct	-1,047.68	
For Class 54 Rating, Add	1,445.30	
For Class 55 Rating, Add	2,157.24	
For Class 56 Rating, Add	2,859.64	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,209.08	919.33
For Class 52 Rating, Deduct	-1,079.78	
For Class 54 Rating, Add	1,489.14	
For Class 55 Rating, Add	2,222.43	
For Class 56 Rating, Add	2,945.91	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,506.00	922.69
For Class 52 Rating, Deduct	-1,111.88	
For Class 54 Rating, Add	1,532.97	
For Class 55 Rating, Add	2,287.63	
For Class 56 Rating, Add	3,032.18	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,802.92	926.06
		<i>For Class 52 Rating, Deduct</i>	-1,143.98	
		<i>For Class 54 Rating, Add</i>	1,576.81	
		<i>For Class 55 Rating, Add</i>	2,352.83	
		<i>For Class 56 Rating, Add</i>	3,118.45	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,099.84	929.43
		<i>For Class 52 Rating, Deduct</i>	-1,176.08	
		<i>For Class 54 Rating, Add</i>	1,620.64	
		<i>For Class 55 Rating, Add</i>	2,418.03	
		<i>For Class 56 Rating, Add</i>	3,204.72	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,396.77	932.79
		<i>For Class 52 Rating, Deduct</i>	-1,208.18	
		<i>For Class 54 Rating, Add</i>	1,664.48	
		<i>For Class 55 Rating, Add</i>	2,483.23	
		<i>For Class 56 Rating, Add</i>	3,290.99	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,693.69	936.16
		<i>For Class 52 Rating, Deduct</i>	-1,240.28	
		<i>For Class 54 Rating, Add</i>	1,708.31	
		<i>For Class 55 Rating, Add</i>	2,548.43	
		<i>For Class 56 Rating, Add</i>	3,377.27	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,990.61	939.53
		<i>For Class 52 Rating, Deduct</i>	-1,272.38	
		<i>For Class 54 Rating, Add</i>	1,752.14	
		<i>For Class 55 Rating, Add</i>	2,613.62	
		<i>For Class 56 Rating, Add</i>	3,463.54	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,287.53	942.91
		<i>For Class 52 Rating, Deduct</i>	-1,304.48	
		<i>For Class 54 Rating, Add</i>	1,795.98	
		<i>For Class 55 Rating, Add</i>	2,678.82	
		<i>For Class 56 Rating, Add</i>	3,549.81	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,584.45	946.26
		<i>For Class 52 Rating, Deduct</i>	-1,336.58	
		<i>For Class 54 Rating, Add</i>	1,839.81	
		<i>For Class 55 Rating, Add</i>	2,744.02	
		<i>For Class 56 Rating, Add</i>	3,636.08	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,881.38	949.63
		<i>For Class 52 Rating, Deduct</i>	-1,368.68	
		<i>For Class 54 Rating, Add</i>	1,883.65	
		<i>For Class 55 Rating, Add</i>	2,809.22	
		<i>For Class 56 Rating, Add</i>	3,722.35	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,178.30	953.00
		<i>For Class 52 Rating, Deduct</i>	-1,400.78	
		<i>For Class 54 Rating, Add</i>	1,927.48	
		<i>For Class 55 Rating, Add</i>	2,874.42	
		<i>For Class 56 Rating, Add</i>	3,808.62	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,475.22	956.35
		<i>For Class 52 Rating, Deduct</i>	-1,432.88	
		<i>For Class 54 Rating, Add</i>	1,971.32	
		<i>For Class 55 Rating, Add</i>	2,939.62	
		<i>For Class 56 Rating, Add</i>	3,894.89	
40 05 19 00-1385		24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,272.73	983.31
		<i>For Class 52 Rating, Deduct</i>	-306.12	
		<i>For Class 54 Rating, Add</i>	435.31	
		<i>For Class 55 Rating, Add</i>	656.34	
		<i>For Class 56 Rating, Add</i>	874.58	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,639.43	986.67
		<i>For Class 52 Rating, Deduct</i>	-345.89	
		<i>For Class 54 Rating, Add</i>	489.61	
		<i>For Class 55 Rating, Add</i>	737.10	
		<i>For Class 56 Rating, Add</i>	981.44	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,006.13	990.05
		<i>For Class 52 Rating, Deduct</i>	-385.67	
		<i>For Class 54 Rating, Add</i>	543.91	
		<i>For Class 55 Rating, Add</i>	817.86	
		<i>For Class 56 Rating, Add</i>	1,088.29	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389 EA 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,372.84	993.40
For Class 52 Rating, Deduct	-425.44	
For Class 54 Rating, Add	598.21	
For Class 55 Rating, Add	898.62	
For Class 56 Rating, Add	1,195.15	
40 05 19 00-1390 EA 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,739.55	996.78
For Class 52 Rating, Deduct	-465.22	
For Class 54 Rating, Add	652.52	
For Class 55 Rating, Add	979.38	
For Class 56 Rating, Add	1,302.01	
40 05 19 00-1391 EA 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,106.25	1,000.14
For Class 52 Rating, Deduct	-505.00	
For Class 54 Rating, Add	706.82	
For Class 55 Rating, Add	1,060.14	
For Class 56 Rating, Add	1,408.86	
40 05 19 00-1392 EA 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,472.96	1,003.52
For Class 52 Rating, Deduct	-544.77	
For Class 54 Rating, Add	761.12	
For Class 55 Rating, Add	1,140.90	
For Class 56 Rating, Add	1,515.72	
40 05 19 00-1393 EA 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,839.66	1,006.87
For Class 52 Rating, Deduct	-584.55	
For Class 54 Rating, Add	815.42	
For Class 55 Rating, Add	1,221.66	
For Class 56 Rating, Add	1,622.58	
40 05 19 00-1394 EA 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,206.37	1,010.25
For Class 52 Rating, Deduct	-624.33	
For Class 54 Rating, Add	869.72	
For Class 55 Rating, Add	1,302.42	
For Class 56 Rating, Add	1,729.43	
40 05 19 00-1395 EA 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,573.08	1,013.62
For Class 52 Rating, Deduct	-664.10	
For Class 54 Rating, Add	924.02	
For Class 55 Rating, Add	1,383.18	
For Class 56 Rating, Add	1,836.29	
40 05 19 00-1396 EA 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,939.78	1,016.98
For Class 52 Rating, Deduct	-703.88	
For Class 54 Rating, Add	978.33	
For Class 55 Rating, Add	1,463.94	
For Class 56 Rating, Add	1,943.15	
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,306.48	1,020.34
For Class 52 Rating, Deduct	-743.66	
For Class 54 Rating, Add	1,032.63	
For Class 55 Rating, Add	1,544.70	
For Class 56 Rating, Add	2,050.00	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,673.19	1,023.72
For Class 52 Rating, Deduct	-783.43	
For Class 54 Rating, Add	1,086.93	
For Class 55 Rating, Add	1,625.46	
For Class 56 Rating, Add	2,156.86	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,039.90	1,027.09
For Class 52 Rating, Deduct	-823.21	
For Class 54 Rating, Add	1,141.23	
For Class 55 Rating, Add	1,706.22	
For Class 56 Rating, Add	2,263.72	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,406.60	1,030.45
For Class 52 Rating, Deduct	-862.98	
For Class 54 Rating, Add	1,195.53	
For Class 55 Rating, Add	1,786.98	
For Class 56 Rating, Add	2,370.57	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,773.31	1,033.82
For Class 52 Rating, Deduct	-902.76	
For Class 54 Rating, Add	1,249.83	
For Class 55 Rating, Add	1,867.74	
For Class 56 Rating, Add	2,477.43	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,140.01	1,037.19
For Class 52 Rating, Deduct	-942.54	
For Class 54 Rating, Add	1,304.14	
For Class 55 Rating, Add	1,948.50	
For Class 56 Rating, Add	2,584.29	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,506.71	1,040.55
		<i>For Class 52 Rating, Deduct</i>	-982.31	
		<i>For Class 54 Rating, Add</i>	1,358.44	
		<i>For Class 55 Rating, Add</i>	2,029.25	
		<i>For Class 56 Rating, Add</i>	2,691.14	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,873.43	1,043.92
		<i>For Class 52 Rating, Deduct</i>	-1,022.09	
		<i>For Class 54 Rating, Add</i>	1,412.74	
		<i>For Class 55 Rating, Add</i>	2,110.02	
		<i>For Class 56 Rating, Add</i>	2,798.00	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,240.13	1,047.29
		<i>For Class 52 Rating, Deduct</i>	-1,061.87	
		<i>For Class 54 Rating, Add</i>	1,467.04	
		<i>For Class 55 Rating, Add</i>	2,190.78	
		<i>For Class 56 Rating, Add</i>	2,904.86	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,606.84	1,050.66
		<i>For Class 52 Rating, Deduct</i>	-1,101.64	
		<i>For Class 54 Rating, Add</i>	1,521.34	
		<i>For Class 55 Rating, Add</i>	2,271.54	
		<i>For Class 56 Rating, Add</i>	3,011.72	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,973.54	1,054.02
		<i>For Class 52 Rating, Deduct</i>	-1,141.42	
		<i>For Class 54 Rating, Add</i>	1,575.65	
		<i>For Class 55 Rating, Add</i>	2,352.30	
		<i>For Class 56 Rating, Add</i>	3,118.57	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,340.25	1,057.39
		<i>For Class 52 Rating, Deduct</i>	-1,181.20	
		<i>For Class 54 Rating, Add</i>	1,629.95	
		<i>For Class 55 Rating, Add</i>	2,433.06	
		<i>For Class 56 Rating, Add</i>	3,225.43	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,706.96	1,060.76
		<i>For Class 52 Rating, Deduct</i>	-1,220.97	
		<i>For Class 54 Rating, Add</i>	1,684.25	
		<i>For Class 55 Rating, Add</i>	2,513.82	
		<i>For Class 56 Rating, Add</i>	3,332.29	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,073.66	1,064.14
		<i>For Class 52 Rating, Deduct</i>	-1,260.75	
		<i>For Class 54 Rating, Add</i>	1,738.55	
		<i>For Class 55 Rating, Add</i>	2,594.58	
		<i>For Class 56 Rating, Add</i>	3,439.14	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,440.36	1,067.49
		<i>For Class 52 Rating, Deduct</i>	-1,300.52	
		<i>For Class 54 Rating, Add</i>	1,792.85	
		<i>For Class 55 Rating, Add</i>	2,675.34	
		<i>For Class 56 Rating, Add</i>	3,546.00	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,807.07	1,070.86
		<i>For Class 52 Rating, Deduct</i>	-1,340.30	
		<i>For Class 54 Rating, Add</i>	1,847.15	
		<i>For Class 55 Rating, Add</i>	2,756.10	
		<i>For Class 56 Rating, Add</i>	3,652.86	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,173.78	1,074.23
		<i>For Class 52 Rating, Deduct</i>	-1,380.08	
		<i>For Class 54 Rating, Add</i>	1,901.46	
		<i>For Class 55 Rating, Add</i>	2,836.86	
		<i>For Class 56 Rating, Add</i>	3,759.71	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,540.48	1,077.59
		<i>For Class 52 Rating, Deduct</i>	-1,419.85	
		<i>For Class 54 Rating, Add</i>	1,955.76	
		<i>For Class 55 Rating, Add</i>	2,917.62	
		<i>For Class 56 Rating, Add</i>	3,866.57	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,993.93	1,138.21
		<i>For Class 52 Rating, Deduct</i>	-1,459.63	
		<i>For Class 54 Rating, Add</i>	2,011.10	
		<i>For Class 55 Rating, Add</i>	3,000.46	
		<i>For Class 56 Rating, Add</i>	3,976.55	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,360.63	1,141.57
		<i>For Class 52 Rating, Deduct</i>	-1,499.41	
		<i>For Class 54 Rating, Add</i>	2,065.40	
		<i>For Class 55 Rating, Add</i>	3,081.22	
		<i>For Class 56 Rating, Add</i>	4,083.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417 EA 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,727.33	1,144.95
For Class 52 Rating, Deduct	-1,539.18	
For Class 54 Rating, Add	2,119.70	
For Class 55 Rating, Add	3,161.98	
For Class 56 Rating, Add	4,190.26	
40 05 19 00-1418 EA 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,094.04	1,148.32
For Class 52 Rating, Deduct	-1,578.96	
For Class 54 Rating, Add	2,174.01	
For Class 55 Rating, Add	3,242.74	
For Class 56 Rating, Add	4,297.12	
40 05 19 00-1419 EA 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,460.75	1,151.68
For Class 52 Rating, Deduct	-1,618.74	
For Class 54 Rating, Add	2,228.31	
For Class 55 Rating, Add	3,323.50	
For Class 56 Rating, Add	4,403.97	
40 05 19 00-1420 EA 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,827.45	1,155.05
For Class 52 Rating, Deduct	-1,658.51	
For Class 54 Rating, Add	2,282.61	
For Class 55 Rating, Add	3,404.26	
For Class 56 Rating, Add	4,510.83	
40 05 19 00-1421 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,194.16	1,158.42
For Class 52 Rating, Deduct	-1,698.29	
For Class 54 Rating, Add	2,336.91	
For Class 55 Rating, Add	3,485.02	
For Class 56 Rating, Add	4,617.69	
40 05 19 00-1422 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,560.86	1,161.78
For Class 52 Rating, Deduct	-1,738.06	
For Class 54 Rating, Add	2,391.21	
For Class 55 Rating, Add	3,565.78	
For Class 56 Rating, Add	4,724.54	
40 05 19 00-1423 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,927.56	1,165.15
For Class 52 Rating, Deduct	-1,777.84	
For Class 54 Rating, Add	2,445.51	
For Class 55 Rating, Add	3,646.54	
For Class 56 Rating, Add	4,831.40	
40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,500.58	1,387.41
For Class 52 Rating, Deduct	-483.83	
For Class 54 Rating, Add	684.99	
For Class 55 Rating, Add	1,031.31	
For Class 56 Rating, Add	1,373.22	
40 05 19 00-1426 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,028.00	1,390.76
For Class 52 Rating, Deduct	-541.28	
For Class 54 Rating, Add	763.40	
For Class 55 Rating, Add	1,147.91	
For Class 56 Rating, Add	1,527.49	
40 05 19 00-1427 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,555.41	1,394.14
For Class 52 Rating, Deduct	-598.74	
For Class 54 Rating, Add	841.81	
For Class 55 Rating, Add	1,264.50	
For Class 56 Rating, Add	1,681.75	
40 05 19 00-1428 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,082.83	1,397.51
For Class 52 Rating, Deduct	-656.19	
For Class 54 Rating, Add	920.22	
For Class 55 Rating, Add	1,381.10	
For Class 56 Rating, Add	1,836.02	
40 05 19 00-1429 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,610.25	1,400.88
For Class 52 Rating, Deduct	-713.65	
For Class 54 Rating, Add	998.63	
For Class 55 Rating, Add	1,497.70	
For Class 56 Rating, Add	1,990.29	
40 05 19 00-1430 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,137.67	1,404.23
For Class 52 Rating, Deduct	-771.10	
For Class 54 Rating, Add	1,077.04	
For Class 55 Rating, Add	1,614.30	
For Class 56 Rating, Add	2,144.55	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,665.09	1,407.61
			<i>For Class 52 Rating, Deduct</i>	-828.56	
			<i>For Class 54 Rating, Add</i>	1,155.45	
			<i>For Class 55 Rating, Add</i>	1,730.90	
			<i>For Class 56 Rating, Add</i>	2,298.82	
40 05 19 00-1432	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,192.50	1,410.98
			<i>For Class 52 Rating, Deduct</i>	-886.01	
			<i>For Class 54 Rating, Add</i>	1,233.85	
			<i>For Class 55 Rating, Add</i>	1,847.50	
			<i>For Class 56 Rating, Add</i>	2,453.09	
40 05 19 00-1433	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,719.92	1,414.34
			<i>For Class 52 Rating, Deduct</i>	-943.47	
			<i>For Class 54 Rating, Add</i>	1,312.26	
			<i>For Class 55 Rating, Add</i>	1,964.10	
			<i>For Class 56 Rating, Add</i>	2,607.35	
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,247.35	1,417.71
			<i>For Class 52 Rating, Deduct</i>	-1,000.92	
			<i>For Class 54 Rating, Add</i>	1,390.67	
			<i>For Class 55 Rating, Add</i>	2,080.70	
			<i>For Class 56 Rating, Add</i>	2,761.62	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,774.76	1,421.08
			<i>For Class 52 Rating, Deduct</i>	-1,058.38	
			<i>For Class 54 Rating, Add</i>	1,469.08	
			<i>For Class 55 Rating, Add</i>	2,197.29	
			<i>For Class 56 Rating, Add</i>	2,915.89	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,302.18	1,424.45
			<i>For Class 52 Rating, Deduct</i>	-1,115.83	
			<i>For Class 54 Rating, Add</i>	1,547.49	
			<i>For Class 55 Rating, Add</i>	2,313.89	
			<i>For Class 56 Rating, Add</i>	3,070.16	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,829.59	1,427.81
			<i>For Class 52 Rating, Deduct</i>	-1,173.29	
			<i>For Class 54 Rating, Add</i>	1,625.90	
			<i>For Class 55 Rating, Add</i>	2,430.49	
			<i>For Class 56 Rating, Add</i>	3,224.42	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,357.01	1,431.18
			<i>For Class 52 Rating, Deduct</i>	-1,230.74	
			<i>For Class 54 Rating, Add</i>	1,704.31	
			<i>For Class 55 Rating, Add</i>	2,547.09	
			<i>For Class 56 Rating, Add</i>	3,378.69	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,884.44	1,434.55
			<i>For Class 52 Rating, Deduct</i>	-1,288.20	
			<i>For Class 54 Rating, Add</i>	1,782.71	
			<i>For Class 55 Rating, Add</i>	2,663.69	
			<i>For Class 56 Rating, Add</i>	3,532.96	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,411.85	1,437.91
			<i>For Class 52 Rating, Deduct</i>	-1,345.65	
			<i>For Class 54 Rating, Add</i>	1,861.12	
			<i>For Class 55 Rating, Add</i>	2,780.29	
			<i>For Class 56 Rating, Add</i>	3,687.22	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,939.27	1,441.28
			<i>For Class 52 Rating, Deduct</i>	-1,403.11	
			<i>For Class 54 Rating, Add</i>	1,939.53	
			<i>For Class 55 Rating, Add</i>	2,896.89	
			<i>For Class 56 Rating, Add</i>	3,841.49	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,466.68	1,444.65
			<i>For Class 52 Rating, Deduct</i>	-1,460.56	
			<i>For Class 54 Rating, Add</i>	2,017.94	
			<i>For Class 55 Rating, Add</i>	3,013.49	
			<i>For Class 56 Rating, Add</i>	3,995.76	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,994.10	1,448.03
			<i>For Class 52 Rating, Deduct</i>	-1,518.02	
			<i>For Class 54 Rating, Add</i>	2,096.35	
			<i>For Class 55 Rating, Add</i>	3,130.09	
			<i>For Class 56 Rating, Add</i>	4,150.02	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,521.53	1,451.38
			<i>For Class 52 Rating, Deduct</i>	-1,575.47	
			<i>For Class 54 Rating, Add</i>	2,174.76	
			<i>For Class 55 Rating, Add</i>	3,246.69	
			<i>For Class 56 Rating, Add</i>	4,304.29	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,048.94	1,454.75
<i>For Class 52 Rating, Deduct</i>	-1,632.92	
<i>For Class 54 Rating, Add</i>	2,253.17	
<i>For Class 55 Rating, Add</i>	3,363.28	
<i>For Class 56 Rating, Add</i>	4,458.56	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,576.36	1,458.12
<i>For Class 52 Rating, Deduct</i>	-1,690.38	
<i>For Class 54 Rating, Add</i>	2,331.57	
<i>For Class 55 Rating, Add</i>	3,479.88	
<i>For Class 56 Rating, Add</i>	4,612.83	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,103.77	1,461.48
<i>For Class 52 Rating, Deduct</i>	-1,747.83	
<i>For Class 54 Rating, Add</i>	2,409.98	
<i>For Class 55 Rating, Add</i>	3,596.48	
<i>For Class 56 Rating, Add</i>	4,767.09	
40 05 19 00-1448 EA 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,631.20	1,464.85
<i>For Class 52 Rating, Deduct</i>	-1,805.29	
<i>For Class 54 Rating, Add</i>	2,488.39	
<i>For Class 55 Rating, Add</i>	3,713.08	
<i>For Class 56 Rating, Add</i>	4,921.36	
40 05 19 00-1449 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,158.62	1,468.23
<i>For Class 52 Rating, Deduct</i>	-1,862.74	
<i>For Class 54 Rating, Add</i>	2,566.80	
<i>For Class 55 Rating, Add</i>	3,829.68	
<i>For Class 56 Rating, Add</i>	5,075.63	
40 05 19 00-1450 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,686.03	1,471.59
<i>For Class 52 Rating, Deduct</i>	-1,920.20	
<i>For Class 54 Rating, Add</i>	2,645.21	
<i>For Class 55 Rating, Add</i>	3,946.28	
<i>For Class 56 Rating, Add</i>	5,229.89	
40 05 19 00-1451 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,213.45	1,474.96
<i>For Class 52 Rating, Deduct</i>	-1,977.65	
<i>For Class 54 Rating, Add</i>	2,723.62	
<i>For Class 55 Rating, Add</i>	4,062.88	
<i>For Class 56 Rating, Add</i>	5,384.16	
40 05 19 00-1452 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,740.87	1,478.32
<i>For Class 52 Rating, Deduct</i>	-2,035.11	
<i>For Class 54 Rating, Add</i>	2,802.03	
<i>For Class 55 Rating, Add</i>	4,179.48	
<i>For Class 56 Rating, Add</i>	5,538.43	
40 05 19 00-1453 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,268.29	1,481.70
<i>For Class 52 Rating, Deduct</i>	-2,092.56	
<i>For Class 54 Rating, Add</i>	2,880.43	
<i>For Class 55 Rating, Add</i>	4,296.08	
<i>For Class 56 Rating, Add</i>	5,692.69	
40 05 19 00-1454 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,795.71	1,485.06
<i>For Class 52 Rating, Deduct</i>	-2,150.02	
<i>For Class 54 Rating, Add</i>	2,958.84	
<i>For Class 55 Rating, Add</i>	4,412.68	
<i>For Class 56 Rating, Add</i>	5,846.96	
40 05 19 00-1455 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,323.12	1,488.43
<i>For Class 52 Rating, Deduct</i>	-2,207.47	
<i>For Class 54 Rating, Add</i>	3,037.25	
<i>For Class 55 Rating, Add</i>	4,529.27	
<i>For Class 56 Rating, Add</i>	6,001.23	
40 05 19 00-1456 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,850.54	1,491.79
<i>For Class 52 Rating, Deduct</i>	-2,264.93	
<i>For Class 54 Rating, Add</i>	3,115.66	
<i>For Class 55 Rating, Add</i>	4,645.87	
<i>For Class 56 Rating, Add</i>	6,155.49	
40 05 19 00-1457 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,377.97	1,495.17
<i>For Class 52 Rating, Deduct</i>	-2,322.38	
<i>For Class 54 Rating, Add</i>	3,194.07	
<i>For Class 55 Rating, Add</i>	4,762.47	
<i>For Class 56 Rating, Add</i>	6,309.76	
40 05 19 00-1458 EA 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,905.38	1,498.52
<i>For Class 52 Rating, Deduct</i>	-2,379.84	
<i>For Class 54 Rating, Add</i>	3,272.48	
<i>For Class 55 Rating, Add</i>	4,879.07	
<i>For Class 56 Rating, Add</i>	6,464.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,432.80	1,501.90
			<i>For Class 52 Rating, Deduct</i>	-2,437.29	
			<i>For Class 54 Rating, Add</i>	3,350.89	
			<i>For Class 55 Rating, Add</i>	4,995.67	
			<i>For Class 56 Rating, Add</i>	6,618.30	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,960.21	1,505.26
			<i>For Class 52 Rating, Deduct</i>	-2,494.75	
			<i>For Class 54 Rating, Add</i>	3,429.29	
			<i>For Class 55 Rating, Add</i>	5,112.27	
			<i>For Class 56 Rating, Add</i>	6,772.56	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,487.63	1,508.64
			<i>For Class 52 Rating, Deduct</i>	-2,552.20	
			<i>For Class 54 Rating, Add</i>	3,507.70	
			<i>For Class 55 Rating, Add</i>	5,228.87	
			<i>For Class 56 Rating, Add</i>	6,926.83	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,015.06	1,511.99
			<i>For Class 52 Rating, Deduct</i>	-2,609.66	
			<i>For Class 54 Rating, Add</i>	3,586.11	
			<i>For Class 55 Rating, Add</i>	5,345.47	
			<i>For Class 56 Rating, Add</i>	7,081.10	
40 05 19 00-1463			36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,926.93	1,757.83
			<i>For Class 52 Rating, Deduct</i>	-688.99	
			<i>For Class 54 Rating, Add</i>	971.49	
			<i>For Class 55 Rating, Add</i>	1,460.69	
			<i>For Class 56 Rating, Add</i>	1,943.63	
40 05 19 00-1465	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,642.55	1,761.21
			<i>For Class 52 Rating, Deduct</i>	-767.15	
			<i>For Class 54 Rating, Add</i>	1,078.13	
			<i>For Class 55 Rating, Add</i>	1,619.26	
			<i>For Class 56 Rating, Add</i>	2,153.42	
40 05 19 00-1466	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,358.18	1,764.56
			<i>For Class 52 Rating, Deduct</i>	-845.31	
			<i>For Class 54 Rating, Add</i>	1,184.77	
			<i>For Class 55 Rating, Add</i>	1,777.83	
			<i>For Class 56 Rating, Add</i>	2,363.21	
40 05 19 00-1467	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,073.80	1,767.93
			<i>For Class 52 Rating, Deduct</i>	-923.46	
			<i>For Class 54 Rating, Add</i>	1,291.41	
			<i>For Class 55 Rating, Add</i>	1,936.40	
			<i>For Class 56 Rating, Add</i>	2,572.99	
40 05 19 00-1468	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,789.42	1,771.30
			<i>For Class 52 Rating, Deduct</i>	-1,001.62	
			<i>For Class 54 Rating, Add</i>	1,398.05	
			<i>For Class 55 Rating, Add</i>	2,094.97	
			<i>For Class 56 Rating, Add</i>	2,782.78	
40 05 19 00-1469	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,505.04	1,774.65
			<i>For Class 52 Rating, Deduct</i>	-1,079.78	
			<i>For Class 54 Rating, Add</i>	1,504.69	
			<i>For Class 55 Rating, Add</i>	2,253.54	
			<i>For Class 56 Rating, Add</i>	2,992.57	
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,220.67	1,778.03
			<i>For Class 52 Rating, Deduct</i>	-1,157.93	
			<i>For Class 54 Rating, Add</i>	1,611.33	
			<i>For Class 55 Rating, Add</i>	2,412.11	
			<i>For Class 56 Rating, Add</i>	3,202.35	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,936.29	1,781.41
			<i>For Class 52 Rating, Deduct</i>	-1,236.09	
			<i>For Class 54 Rating, Add</i>	1,717.97	
			<i>For Class 55 Rating, Add</i>	2,570.67	
			<i>For Class 56 Rating, Add</i>	3,412.14	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,651.91	1,784.77
			<i>For Class 52 Rating, Deduct</i>	-1,314.25	
			<i>For Class 54 Rating, Add</i>	1,824.61	
			<i>For Class 55 Rating, Add</i>	2,729.24	
			<i>For Class 56 Rating, Add</i>	3,621.93	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,367.53	1,788.12
<i>For Class 52 Rating, Deduct</i>	-1,392.41	
<i>For Class 54 Rating, Add</i>	1,931.25	
<i>For Class 55 Rating, Add</i>	2,887.81	
<i>For Class 56 Rating, Add</i>	3,831.72	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,083.14	1,791.50
<i>For Class 52 Rating, Deduct</i>	-1,470.56	
<i>For Class 54 Rating, Add</i>	2,037.89	
<i>For Class 55 Rating, Add</i>	3,046.38	
<i>For Class 56 Rating, Add</i>	4,041.50	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,798.77	1,794.88
<i>For Class 52 Rating, Deduct</i>	-1,548.72	
<i>For Class 54 Rating, Add</i>	2,144.52	
<i>For Class 55 Rating, Add</i>	3,204.95	
<i>For Class 56 Rating, Add</i>	4,251.29	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,514.39	1,798.23
<i>For Class 52 Rating, Deduct</i>	-1,626.88	
<i>For Class 54 Rating, Add</i>	2,251.16	
<i>For Class 55 Rating, Add</i>	3,363.51	
<i>For Class 56 Rating, Add</i>	4,461.07	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,230.01	1,801.61
<i>For Class 52 Rating, Deduct</i>	-1,705.03	
<i>For Class 54 Rating, Add</i>	2,357.80	
<i>For Class 55 Rating, Add</i>	3,522.08	
<i>For Class 56 Rating, Add</i>	4,670.86	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,945.63	1,804.97
<i>For Class 52 Rating, Deduct</i>	-1,783.19	
<i>For Class 54 Rating, Add</i>	2,464.44	
<i>For Class 55 Rating, Add</i>	3,680.65	
<i>For Class 56 Rating, Add</i>	4,880.65	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,661.26	1,808.35
<i>For Class 52 Rating, Deduct</i>	-1,861.35	
<i>For Class 54 Rating, Add</i>	2,571.08	
<i>For Class 55 Rating, Add</i>	3,839.22	
<i>For Class 56 Rating, Add</i>	5,090.44	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,376.88	1,811.70
<i>For Class 52 Rating, Deduct</i>	-1,939.51	
<i>For Class 54 Rating, Add</i>	2,677.72	
<i>For Class 55 Rating, Add</i>	3,997.79	
<i>For Class 56 Rating, Add</i>	5,300.22	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,092.50	1,815.08
<i>For Class 52 Rating, Deduct</i>	-2,017.66	
<i>For Class 54 Rating, Add</i>	2,784.36	
<i>For Class 55 Rating, Add</i>	4,156.36	
<i>For Class 56 Rating, Add</i>	5,510.01	
40 05 19 00-1482 EA 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,808.12	1,818.44
<i>For Class 52 Rating, Deduct</i>	-2,095.82	
<i>For Class 54 Rating, Add</i>	2,891.00	
<i>For Class 55 Rating, Add</i>	4,314.92	
<i>For Class 56 Rating, Add</i>	5,719.80	
40 05 19 00-1483 EA 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,523.74	1,821.82
<i>For Class 52 Rating, Deduct</i>	-2,173.98	
<i>For Class 54 Rating, Add</i>	2,997.64	
<i>For Class 55 Rating, Add</i>	4,473.49	
<i>For Class 56 Rating, Add</i>	5,929.58	
40 05 19 00-1484 EA 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,239.36	1,825.17
<i>For Class 52 Rating, Deduct</i>	-2,252.13	
<i>For Class 54 Rating, Add</i>	3,104.28	
<i>For Class 55 Rating, Add</i>	4,632.06	
<i>For Class 56 Rating, Add</i>	6,139.37	
40 05 19 00-1485 EA 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,954.98	1,828.55
<i>For Class 52 Rating, Deduct</i>	-2,330.29	
<i>For Class 54 Rating, Add</i>	3,210.92	
<i>For Class 55 Rating, Add</i>	4,790.63	
<i>For Class 56 Rating, Add</i>	6,349.15	
40 05 19 00-1486 EA 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,670.60	1,831.92
<i>For Class 52 Rating, Deduct</i>	-2,408.45	
<i>For Class 54 Rating, Add</i>	3,317.55	
<i>For Class 55 Rating, Add</i>	4,949.20	
<i>For Class 56 Rating, Add</i>	6,558.94	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,386.22	1,835.28
		<i>For Class 52 Rating, Deduct</i>	-2,486.61	
		<i>For Class 54 Rating, Add</i>	3,424.19	
		<i>For Class 55 Rating, Add</i>	5,107.76	
		<i>For Class 56 Rating, Add</i>	6,768.73	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,101.84	1,838.64
		<i>For Class 52 Rating, Deduct</i>	-2,564.76	
		<i>For Class 54 Rating, Add</i>	3,530.83	
		<i>For Class 55 Rating, Add</i>	5,266.33	
		<i>For Class 56 Rating, Add</i>	6,978.52	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,817.47	1,842.02
		<i>For Class 52 Rating, Deduct</i>	-2,642.92	
		<i>For Class 54 Rating, Add</i>	3,637.47	
		<i>For Class 55 Rating, Add</i>	5,424.90	
		<i>For Class 56 Rating, Add</i>	7,188.30	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,533.09	1,845.39
		<i>For Class 52 Rating, Deduct</i>	-2,721.08	
		<i>For Class 54 Rating, Add</i>	3,744.11	
		<i>For Class 55 Rating, Add</i>	5,583.47	
		<i>For Class 56 Rating, Add</i>	7,398.09	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,248.71	1,848.75
		<i>For Class 52 Rating, Deduct</i>	-2,799.23	
		<i>For Class 54 Rating, Add</i>	3,850.75	
		<i>For Class 55 Rating, Add</i>	5,742.04	
		<i>For Class 56 Rating, Add</i>	7,607.88	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,964.33	1,852.12
		<i>For Class 52 Rating, Deduct</i>	-2,877.39	
		<i>For Class 54 Rating, Add</i>	3,957.39	
		<i>For Class 55 Rating, Add</i>	5,900.61	
		<i>For Class 56 Rating, Add</i>	7,817.66	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,679.96	1,855.49
		<i>For Class 52 Rating, Deduct</i>	-2,955.55	
		<i>For Class 54 Rating, Add</i>	4,064.03	
		<i>For Class 55 Rating, Add</i>	6,059.17	
		<i>For Class 56 Rating, Add</i>	8,027.45	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,395.58	1,858.85
		<i>For Class 52 Rating, Deduct</i>	-3,033.70	
		<i>For Class 54 Rating, Add</i>	4,170.67	
		<i>For Class 55 Rating, Add</i>	6,217.74	
		<i>For Class 56 Rating, Add</i>	8,237.24	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,111.20	1,862.22
		<i>For Class 52 Rating, Deduct</i>	-3,111.86	
		<i>For Class 54 Rating, Add</i>	4,277.31	
		<i>For Class 55 Rating, Add</i>	6,376.31	
		<i>For Class 56 Rating, Add</i>	8,447.02	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,826.82	1,865.59
		<i>For Class 52 Rating, Deduct</i>	-3,190.02	
		<i>For Class 54 Rating, Add</i>	4,383.95	
		<i>For Class 55 Rating, Add</i>	6,534.88	
		<i>For Class 56 Rating, Add</i>	8,666.81	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,542.44	1,868.96
		<i>For Class 52 Rating, Deduct</i>	-3,268.18	
		<i>For Class 54 Rating, Add</i>	4,490.58	
		<i>For Class 55 Rating, Add</i>	6,693.45	
		<i>For Class 56 Rating, Add</i>	8,866.60	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,258.07	1,872.32
		<i>For Class 52 Rating, Deduct</i>	-3,346.33	
		<i>For Class 54 Rating, Add</i>	4,597.22	
		<i>For Class 55 Rating, Add</i>	6,852.01	
		<i>For Class 56 Rating, Add</i>	9,076.38	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,973.69	1,875.69
		<i>For Class 52 Rating, Deduct</i>	-3,424.49	
		<i>For Class 54 Rating, Add</i>	4,703.86	
		<i>For Class 55 Rating, Add</i>	7,010.58	
		<i>For Class 56 Rating, Add</i>	9,286.17	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,689.31	1,879.06
		<i>For Class 52 Rating, Deduct</i>	-3,502.65	
		<i>For Class 54 Rating, Add</i>	4,810.50	
		<i>For Class 55 Rating, Add</i>	7,169.15	
		<i>For Class 56 Rating, Add</i>	9,495.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,404.93	1,882.42
For Class 52 Rating, Deduct	-3,580.80	
For Class 54 Rating, Add	4,917.14	
For Class 55 Rating, Add	7,327.72	
For Class 56 Rating, Add	9,705.74	
40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,754.53	2,215.81
For Class 52 Rating, Deduct	-923.70	
For Class 54 Rating, Add	1,299.87	
For Class 55 Rating, Add	1,953.16	
For Class 56 Rating, Add	2,598.05	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,821.17	2,219.17
For Class 52 Rating, Deduct	-1,040.47	
For Class 54 Rating, Add	1,459.17	
For Class 55 Rating, Add	2,190.01	
For Class 56 Rating, Add	2,911.39	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,875.14	2,222.53
For Class 52 Rating, Deduct	-1,155.84	
For Class 54 Rating, Add	1,616.56	
For Class 55 Rating, Add	2,424.03	
For Class 56 Rating, Add	3,220.99	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,939.67	2,225.91
For Class 52 Rating, Deduct	-1,272.38	
For Class 54 Rating, Add	1,775.53	
For Class 55 Rating, Add	2,660.40	
For Class 56 Rating, Add	3,533.70	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,993.63	2,229.28
For Class 52 Rating, Deduct	-1,387.75	
For Class 54 Rating, Add	1,932.92	
For Class 55 Rating, Add	2,894.42	
For Class 56 Rating, Add	3,843.30	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,060.29	2,232.64
For Class 52 Rating, Deduct	-1,504.52	
For Class 54 Rating, Add	2,092.22	
For Class 55 Rating, Add	3,131.27	
For Class 56 Rating, Add	4,156.64	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,112.14	2,236.01
For Class 52 Rating, Deduct	-1,619.67	
For Class 54 Rating, Add	2,249.29	
For Class 55 Rating, Add	3,364.82	
For Class 56 Rating, Add	4,465.62	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,178.79	2,239.38
For Class 52 Rating, Deduct	-1,736.44	
For Class 54 Rating, Add	2,408.58	
For Class 55 Rating, Add	3,601.66	
For Class 56 Rating, Add	4,778.96	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,232.75	2,242.75
For Class 52 Rating, Deduct	-1,851.81	
For Class 54 Rating, Add	2,565.97	
For Class 55 Rating, Add	3,835.68	
For Class 56 Rating, Add	5,088.55	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,297.28	2,246.11
For Class 52 Rating, Deduct	-1,968.35	
For Class 54 Rating, Add	2,724.95	
For Class 55 Rating, Add	4,072.06	
For Class 56 Rating, Add	5,401.27	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,351.26	2,249.48
For Class 52 Rating, Deduct	-2,083.72	
For Class 54 Rating, Add	2,882.34	
For Class 55 Rating, Add	4,306.08	
For Class 56 Rating, Add	5,710.87	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,415.79	2,252.85
For Class 52 Rating, Deduct	-2,200.26	
For Class 54 Rating, Add	3,041.32	
For Class 55 Rating, Add	4,542.45	
For Class 56 Rating, Add	6,023.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,469.75	2,256.21
			For Class 52 Rating, Deduct	-2,315.64	
			For Class 54 Rating, Add	3,198.71	
			For Class 55 Rating, Add	4,776.47	
			For Class 56 Rating, Add	6,333.18	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,525.83	2,259.58
			For Class 52 Rating, Deduct	-2,431.24	
			For Class 54 Rating, Add	3,356.42	
			For Class 55 Rating, Add	5,010.96	
			For Class 56 Rating, Add	6,643.40	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,588.26	2,262.95
			For Class 52 Rating, Deduct	-2,547.55	
			For Class 54 Rating, Add	3,515.08	
			For Class 55 Rating, Add	5,246.87	
			For Class 56 Rating, Add	6,955.50	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,642.22	2,266.33
			For Class 52 Rating, Deduct	-2,662.92	
			For Class 54 Rating, Add	3,672.47	
			For Class 55 Rating, Add	5,480.88	
			For Class 56 Rating, Add	7,265.10	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,708.87	2,269.68
			For Class 52 Rating, Deduct	-2,779.69	
			For Class 54 Rating, Add	3,831.76	
			For Class 55 Rating, Add	5,717.73	
			For Class 56 Rating, Add	7,578.44	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,762.83	2,273.05
			For Class 52 Rating, Deduct	-2,895.07	
			For Class 54 Rating, Add	3,989.15	
			For Class 55 Rating, Add	5,951.75	
			For Class 56 Rating, Add	7,888.03	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,827.36	2,276.42
			For Class 52 Rating, Deduct	-3,011.61	
			For Class 54 Rating, Add	4,148.13	
			For Class 55 Rating, Add	6,188.13	
			For Class 56 Rating, Add	8,200.75	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,881.34	2,279.78
			For Class 52 Rating, Deduct	-3,126.98	
			For Class 54 Rating, Add	4,305.52	
			For Class 55 Rating, Add	6,422.15	
			For Class 56 Rating, Add	8,510.35	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,947.98	2,283.15
			For Class 52 Rating, Deduct	-3,243.75	
			For Class 54 Rating, Add	4,464.81	
			For Class 55 Rating, Add	6,658.99	
			For Class 56 Rating, Add	8,823.69	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,001.95	2,286.53
			For Class 52 Rating, Deduct	-3,359.13	
			For Class 54 Rating, Add	4,622.20	
			For Class 55 Rating, Add	6,893.01	
			For Class 56 Rating, Add	9,133.29	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,066.48	2,289.89
			For Class 52 Rating, Deduct	-3,475.66	
			For Class 54 Rating, Add	4,781.18	
			For Class 55 Rating, Add	7,129.39	
			For Class 56 Rating, Add	9,446.00	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,120.44	2,293.25
			For Class 52 Rating, Deduct	-3,591.04	
			For Class 54 Rating, Add	4,938.57	
			For Class 55 Rating, Add	7,363.41	
			For Class 56 Rating, Add	9,755.60	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,187.10	2,296.62
			For Class 52 Rating, Deduct	-3,707.81	
			For Class 54 Rating, Add	5,097.86	
			For Class 55 Rating, Add	7,600.26	
			For Class 56 Rating, Add	10,068.94	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,241.06	2,300.00
			For Class 52 Rating, Deduct	-3,823.18	
			For Class 54 Rating, Add	5,255.25	
			For Class 55 Rating, Add	7,834.27	
			For Class 56 Rating, Add	10,378.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529 EA 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,303.48	2,303.35
<i>For Class 52 Rating, Deduct</i>	-3,939.49	
<i>For Class 54 Rating, Add</i>	5,413.91	
<i>For Class 55 Rating, Add</i>	8,070.18	
<i>For Class 56 Rating, Add</i>	10,690.63	
40 05 19 00-1530 EA 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,359.56	2,306.73
<i>For Class 52 Rating, Deduct</i>	-4,055.10	
<i>For Class 54 Rating, Add</i>	5,571.62	
<i>For Class 55 Rating, Add</i>	8,304.67	
<i>For Class 56 Rating, Add</i>	11,000.85	
40 05 19 00-1531 EA 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,202.07	2,310.09
<i>For Class 52 Rating, Deduct</i>	-4,147.21	
<i>For Class 54 Rating, Add</i>	5,697.29	
<i>For Class 55 Rating, Add</i>	8,491.53	
<i>For Class 56 Rating, Add</i>	11,248.07	
40 05 19 00-1532 EA 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,478.07	2,313.47
<i>For Class 52 Rating, Deduct</i>	-4,287.01	
<i>For Class 54 Rating, Add</i>	5,887.99	
<i>For Class 55 Rating, Add</i>	8,775.06	
<i>For Class 56 Rating, Add</i>	11,623.17	
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,532.03	2,316.82
<i>For Class 52 Rating, Deduct</i>	-4,402.38	
<i>For Class 54 Rating, Add</i>	6,045.38	
<i>For Class 55 Rating, Add</i>	9,009.08	
<i>For Class 56 Rating, Add</i>	11,932.77	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,596.56	2,320.20
<i>For Class 52 Rating, Deduct</i>	-4,518.92	
<i>For Class 54 Rating, Add</i>	6,204.35	
<i>For Class 55 Rating, Add</i>	9,245.46	
<i>For Class 56 Rating, Add</i>	12,245.48	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,650.52	2,323.56
<i>For Class 52 Rating, Deduct</i>	-4,634.30	
<i>For Class 54 Rating, Add</i>	6,361.74	
<i>For Class 55 Rating, Add</i>	9,479.48	
<i>For Class 56 Rating, Add</i>	12,555.08	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,717.18	2,326.94
<i>For Class 52 Rating, Deduct</i>	-4,751.07	
<i>For Class 54 Rating, Add</i>	6,521.04	
<i>For Class 55 Rating, Add</i>	9,716.32	
<i>For Class 56 Rating, Add</i>	12,868.42	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,769.03	2,330.29
<i>For Class 52 Rating, Deduct</i>	-4,866.21	
<i>For Class 54 Rating, Add</i>	6,678.11	
<i>For Class 55 Rating, Add</i>	9,949.87	
<i>For Class 56 Rating, Add</i>	13,177.40	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,835.68	2,333.67
<i>For Class 52 Rating, Deduct</i>	-4,982.98	
<i>For Class 54 Rating, Add</i>	6,837.40	
<i>For Class 55 Rating, Add</i>	10,186.72	
<i>For Class 56 Rating, Add</i>	13,490.74	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,889.64	2,337.04
<i>For Class 52 Rating, Deduct</i>	-5,098.35	
<i>For Class 54 Rating, Add</i>	6,994.79	
<i>For Class 55 Rating, Add</i>	10,420.74	
<i>For Class 56 Rating, Add</i>	13,800.34	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,954.17	2,340.40
<i>For Class 52 Rating, Deduct</i>	-5,214.89	
<i>For Class 54 Rating, Add</i>	7,153.77	
<i>For Class 55 Rating, Add</i>	10,657.11	
<i>For Class 56 Rating, Add</i>	14,113.05	
40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,139.56	2,784.90
<i>For Class 52 Rating, Deduct</i>	-1,201.20	
<i>For Class 54 Rating, Add</i>	1,688.63	
<i>For Class 55 Rating, Add</i>	2,536.43	
<i>For Class 56 Rating, Add</i>	3,373.30	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,690.46	2,788.28
			<i>For Class 52 Rating, Deduct</i>	-1,371.24	
			<i>For Class 54 Rating, Add</i>	1,920.57	
			<i>For Class 55 Rating, Add</i>	2,881.27	
			<i>For Class 56 Rating, Add</i>	3,829.50	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,239.25	2,791.65
			<i>For Class 52 Rating, Deduct</i>	-1,541.04	
			<i>For Class 54 Rating, Add</i>	2,152.18	
			<i>For Class 55 Rating, Add</i>	3,225.63	
			<i>For Class 56 Rating, Add</i>	4,285.07	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,800.73	2,795.02
			<i>For Class 52 Rating, Deduct</i>	-1,712.24	
			<i>For Class 54 Rating, Add</i>	2,385.70	
			<i>For Class 55 Rating, Add</i>	3,572.82	
			<i>For Class 56 Rating, Add</i>	4,744.38	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,351.64	2,798.37
			<i>For Class 52 Rating, Deduct</i>	-1,882.28	
			<i>For Class 54 Rating, Add</i>	2,617.63	
			<i>For Class 55 Rating, Add</i>	3,917.66	
			<i>For Class 56 Rating, Add</i>	5,200.58	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,902.54	2,801.75
			<i>For Class 52 Rating, Deduct</i>	-2,052.32	
			<i>For Class 54 Rating, Add</i>	2,849.56	
			<i>For Class 55 Rating, Add</i>	4,262.50	
			<i>For Class 56 Rating, Add</i>	5,656.78	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,461.90	2,805.12
			<i>For Class 52 Rating, Deduct</i>	-2,223.29	
			<i>For Class 54 Rating, Add</i>	3,082.76	
			<i>For Class 55 Rating, Add</i>	4,609.22	
			<i>For Class 56 Rating, Add</i>	6,115.47	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,014.92	2,808.48
			<i>For Class 52 Rating, Deduct</i>	-2,393.56	
			<i>For Class 54 Rating, Add</i>	3,315.01	
			<i>For Class 55 Rating, Add</i>	4,954.53	
			<i>For Class 56 Rating, Add</i>	6,572.29	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,563.71	2,811.85
			<i>For Class 52 Rating, Deduct</i>	-2,563.37	
			<i>For Class 54 Rating, Add</i>	3,546.62	
			<i>For Class 55 Rating, Add</i>	5,298.89	
			<i>For Class 56 Rating, Add</i>	7,027.86	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,125.19	2,815.22
			<i>For Class 52 Rating, Deduct</i>	-2,734.57	
			<i>For Class 54 Rating, Add</i>	3,780.14	
			<i>For Class 55 Rating, Add</i>	5,646.09	
			<i>For Class 56 Rating, Add</i>	7,487.17	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,676.09	2,818.59
			<i>For Class 52 Rating, Deduct</i>	-2,904.61	
			<i>For Class 54 Rating, Add</i>	4,012.07	
			<i>For Class 55 Rating, Add</i>	5,990.92	
			<i>For Class 56 Rating, Add</i>	7,943.37	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,237.56	2,821.95
			<i>For Class 52 Rating, Deduct</i>	-3,075.81	
			<i>For Class 54 Rating, Add</i>	4,245.59	
			<i>For Class 55 Rating, Add</i>	6,338.12	
			<i>For Class 56 Rating, Add</i>	8,402.68	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,786.35	2,825.32
			<i>For Class 52 Rating, Deduct</i>	-3,245.61	
			<i>For Class 54 Rating, Add</i>	4,477.20	
			<i>For Class 55 Rating, Add</i>	6,682.48	
			<i>For Class 56 Rating, Add</i>	8,858.25	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,337.26	2,828.69
			<i>For Class 52 Rating, Deduct</i>	-3,415.65	
			<i>For Class 54 Rating, Add</i>	4,709.14	
			<i>For Class 55 Rating, Add</i>	7,027.32	
			<i>For Class 56 Rating, Add</i>	9,314.45	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,898.74	2,832.06
			<i>For Class 52 Rating, Deduct</i>	-3,586.85	
			<i>For Class 54 Rating, Add</i>	4,942.65	
			<i>For Class 55 Rating, Add</i>	7,374.51	
			<i>For Class 56 Rating, Add</i>	9,773.76	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557 EA 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,449.64	2,835.42
<i>For Class 52 Rating, Deduct</i>	-3,756.89	
<i>For Class 54 Rating, Add</i>	5,174.59	
<i>For Class 55 Rating, Add</i>	7,719.35	
<i>For Class 56 Rating, Add</i>	10,229.96	
40 05 19 00-1558 EA 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,998.43	2,838.79
<i>For Class 52 Rating, Deduct</i>	-3,926.70	
<i>For Class 54 Rating, Add</i>	5,406.20	
<i>For Class 55 Rating, Add</i>	8,063.71	
<i>For Class 56 Rating, Add</i>	10,685.53	
40 05 19 00-1559 EA 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,559.91	2,842.17
<i>For Class 52 Rating, Deduct</i>	-4,097.90	
<i>For Class 54 Rating, Add</i>	5,639.72	
<i>For Class 55 Rating, Add</i>	8,410.91	
<i>For Class 56 Rating, Add</i>	11,144.84	
40 05 19 00-1560 EA 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,110.81	2,845.52
<i>For Class 52 Rating, Deduct</i>	-4,267.94	
<i>For Class 54 Rating, Add</i>	5,871.65	
<i>For Class 55 Rating, Add</i>	8,755.74	
<i>For Class 56 Rating, Add</i>	11,601.04	
40 05 19 00-1561 EA 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,659.60	2,848.89
<i>For Class 52 Rating, Deduct</i>	-4,437.74	
<i>For Class 54 Rating, Add</i>	6,103.26	
<i>For Class 55 Rating, Add</i>	9,100.11	
<i>For Class 56 Rating, Add</i>	12,056.61	
40 05 19 00-1562 EA 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,221.08	2,852.26
<i>For Class 52 Rating, Deduct</i>	-4,608.94	
<i>For Class 54 Rating, Add</i>	6,336.78	
<i>For Class 55 Rating, Add</i>	9,447.30	
<i>For Class 56 Rating, Add</i>	12,515.92	
40 05 19 00-1563 EA 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,774.09	2,855.64
<i>For Class 52 Rating, Deduct</i>	-4,779.21	
<i>For Class 54 Rating, Add</i>	6,569.03	
<i>For Class 55 Rating, Add</i>	9,792.61	
<i>For Class 56 Rating, Add</i>	12,972.74	
40 05 19 00-1564 EA 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,322.89	2,858.99
<i>For Class 52 Rating, Deduct</i>	-4,949.02	
<i>For Class 54 Rating, Add</i>	6,800.64	
<i>For Class 55 Rating, Add</i>	10,136.97	
<i>For Class 56 Rating, Add</i>	13,428.31	
40 05 19 00-1565 EA 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,884.37	2,862.37
<i>For Class 52 Rating, Deduct</i>	-5,120.22	
<i>For Class 54 Rating, Add</i>	7,034.16	
<i>For Class 55 Rating, Add</i>	10,484.17	
<i>For Class 56 Rating, Add</i>	13,887.63	
40 05 19 00-1566 EA 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,435.27	2,865.73
<i>For Class 52 Rating, Deduct</i>	-5,290.26	
<i>For Class 54 Rating, Add</i>	7,266.09	
<i>For Class 55 Rating, Add</i>	10,829.01	
<i>For Class 56 Rating, Add</i>	14,343.82	
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,984.05	2,869.09
<i>For Class 52 Rating, Deduct</i>	-5,460.06	
<i>For Class 54 Rating, Add</i>	7,497.71	
<i>For Class 55 Rating, Add</i>	11,173.37	
<i>For Class 56 Rating, Add</i>	14,799.39	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,545.53	2,872.46
<i>For Class 52 Rating, Deduct</i>	-5,631.27	
<i>For Class 54 Rating, Add</i>	7,731.22	
<i>For Class 55 Rating, Add</i>	11,520.56	
<i>For Class 56 Rating, Add</i>	15,258.71	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,096.45	2,875.84
<i>For Class 52 Rating, Deduct</i>	-5,801.30	
<i>For Class 54 Rating, Add</i>	7,963.16	
<i>For Class 55 Rating, Add</i>	11,865.40	
<i>For Class 56 Rating, Add</i>	15,714.90	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,457.04	2,879.20
<i>For Class 52 Rating, Deduct</i>	-5,950.41	
<i>For Class 54 Rating, Add</i>	8,166.54	
<i>For Class 55 Rating, Add</i>	12,167.80	
<i>For Class 56 Rating, Add</i>	16,114.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA	48" Flanged x Plain End (FxpE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,208.83	2,882.57
		<i>For Class 52 Rating, Deduct</i>	-6,142.54	
		<i>For Class 54 Rating, Add</i>	8,428.61	
		<i>For Class 55 Rating, Add</i>	12,557.43	
		<i>For Class 56 Rating, Add</i>	16,630.41	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxpE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,757.62	2,885.93
		<i>For Class 52 Rating, Deduct</i>	-6,312.35	
		<i>For Class 54 Rating, Add</i>	8,660.22	
		<i>For Class 55 Rating, Add</i>	12,901.80	
		<i>For Class 56 Rating, Add</i>	17,085.99	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxpE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,321.22	2,889.31
		<i>For Class 52 Rating, Deduct</i>	-6,483.78	
		<i>For Class 54 Rating, Add</i>	8,894.05	
		<i>For Class 55 Rating, Add</i>	13,249.46	
		<i>For Class 56 Rating, Add</i>	17,545.93	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxpE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,870.00	2,892.66
		<i>For Class 52 Rating, Deduct</i>	-6,653.59	
		<i>For Class 54 Rating, Add</i>	9,125.67	
		<i>For Class 55 Rating, Add</i>	13,593.82	
		<i>For Class 56 Rating, Add</i>	18,001.49	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxpE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,418.79	2,896.04
		<i>For Class 52 Rating, Deduct</i>	-6,823.39	
		<i>For Class 54 Rating, Add</i>	9,357.28	
		<i>For Class 55 Rating, Add</i>	13,938.19	
		<i>For Class 56 Rating, Add</i>	18,457.07	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxpE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,982.38	2,899.40
		<i>For Class 52 Rating, Deduct</i>	-6,994.83	
		<i>For Class 54 Rating, Add</i>	9,591.12	
		<i>For Class 55 Rating, Add</i>	14,285.86	
		<i>For Class 56 Rating, Add</i>	18,917.00	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxpE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,531.17	2,902.78
		<i>For Class 52 Rating, Deduct</i>	-7,164.63	
		<i>For Class 54 Rating, Add</i>	9,822.73	
		<i>For Class 55 Rating, Add</i>	14,630.22	
		<i>For Class 56 Rating, Add</i>	19,372.58	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxpE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,082.08	2,906.13
		<i>For Class 52 Rating, Deduct</i>	-7,334.67	
		<i>For Class 54 Rating, Add</i>	10,054.66	
		<i>For Class 55 Rating, Add</i>	14,975.06	
		<i>For Class 56 Rating, Add</i>	19,828.77	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxpE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,643.55	2,909.51
		<i>For Class 52 Rating, Deduct</i>	-7,505.87	
		<i>For Class 54 Rating, Add</i>	10,288.18	
		<i>For Class 55 Rating, Add</i>	15,322.25	
		<i>For Class 56 Rating, Add</i>	20,288.08	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree**Elbows (40 05 19 00-0001)**

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	463.08	162.47
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	650.46	207.76
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	909.15	235.33
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,329.22	298.34
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,644.46	330.84
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,048.73	359.39
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,523.88	443.09
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,310.50	531.71
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,078.28	669.56
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,199.67	758.17
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,421.79	1,004.34
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	14,768.43	1,137.26
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,723.76	1,299.73
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	32,917.11	1,595.12

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree**Elbows (40 05 19 00-0001)**

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	439.33	162.47
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	612.46	207.76
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	812.57	235.33
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,189.89	298.34
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,467.12	330.84
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,687.73	359.39
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,124.87	443.09
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,773.74	531.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,589.02	669.56
40 05 19 00-1605 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,723.98	758.17
40 05 19 00-1606 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	9,341.94	1,004.34
40 05 19 00-1607 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,979.92	1,137.26
40 05 19 00-1608 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	21,333.78	1,299.73
40 05 19 00-1609 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	29,082.22	1,595.12
40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows <i>(40 05 19 00-0001)</i>		
40 05 19 00-1611 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	437.75	162.47
40 05 19 00-1612 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	599.79	207.76
40 05 19 00-1613 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	801.48	235.33
40 05 19 00-1614 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,158.22	298.34
40 05 19 00-1615 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,536.79	330.84
40 05 19 00-1616 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,907.81	359.39
40 05 19 00-1617 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,173.96	443.09
40 05 19 00-1618 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,833.90	531.71
40 05 19 00-1619 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,850.28	669.56
40 05 19 00-1620 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,319.32	758.17
40 05 19 00-1621 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,448.02	1,004.34
40 05 19 00-1622 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	14,223.76	1,137.26
40 05 19 00-1623 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	21,819.87	1,299.73
40 05 19 00-1624 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	29,715.56	1,595.12
40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows <i>(40 05 19 00-0001)</i>		
40 05 19 00-1626 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	477.33	162.47
40 05 19 00-1627 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	674.21	207.76
40 05 19 00-1628 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	833.15	235.33
40 05 19 00-1629 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,270.64	298.34
40 05 19 00-1630 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,744.21	330.84
40 05 19 00-1631 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,961.65	359.39
40 05 19 00-1632 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,398.80	443.09
40 05 19 00-1633 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,833.90	531.71
40 05 19 00-1634 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,850.28	669.56
40 05 19 00-1635 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,533.07	758.17
40 05 19 00-1636 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,554.11	1,004.34
40 05 19 00-1637 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	14,328.26	1,137.26
40 05 19 00-1638 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	21,930.71	1,299.73
40 05 19 00-1639 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	29,938.81	1,595.12
40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows <i>(40 05 19 00-0001)</i>		
40 05 19 00-1641 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	614.56	185.12
40 05 19 00-1642 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	757.37	198.90
40 05 19 00-1643 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	853.43	221.55
40 05 19 00-1644 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,137.61	230.41
40 05 19 00-1645 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,202.02	253.05
40 05 19 00-1646 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,313.15	266.84
40 05 19 00-1647 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,223.15	247.15
40 05 19 00-1648 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,377.80	269.80
40 05 19 00-1649 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,582.36	283.58
40 05 19 00-1650 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,687.09	315.09
40 05 19 00-1651 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,582.36	283.58
40 05 19 00-1652 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,752.07	297.36
40 05 19 00-1653 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,951.81	328.87
40 05 19 00-1654 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,159.26	345.61
40 05 19 00-1655 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,824.68	325.43
40 05 19 00-1656 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,967.47	339.21
40 05 19 00-1657 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,257.48	370.72
40 05 19 00-1658 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,462.59	386.96
40 05 19 00-1659 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,636.23	401.24
40 05 19 00-1660 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,134.06	369.73
40 05 19 00-1661 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,549.21	383.52
40 05 19 00-1662 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,627.03	415.03
40 05 19 00-1663 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,773.57	431.27
40 05 19 00-1664 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,007.37	445.55
40 05 19 00-1665 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,279.77	487.40
40 05 19 00-1666 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,751.50	438.66
40 05 19 00-1667 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,935.47	452.44
40 05 19 00-1668 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,633.98	483.96
40 05 19 00-1669 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,771.01	500.20
40 05 19 00-1670 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,156.82	514.48
40 05 19 00-1671 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,069.81	556.32
40 05 19 00-1672 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,333.27	600.63
40 05 19 00-1673 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,860.49	482.97
40 05 19 00-1674 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,046.04	496.75

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,353.46	528.26
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,574.42	544.51
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,987.14	558.78
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,375.13	600.63
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,507.17	644.94
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,789.28	637.81
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,876.27	667.59
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,317.49	681.86
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,245.40	723.71
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,579.23	768.03
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,072.27	836.95
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,693.58	881.25
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,458.09	734.05
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,234.77	748.33
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,962.72	790.17
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,993.90	834.49
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,438.07	903.41
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,558.14	947.72
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,469.81	1,070.80
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,696.26	829.56
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,094.87	871.41
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,964.33	915.72
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,668.17	984.65
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,308.02	1,028.95
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	19,211.54	1,152.04
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,096.05	1,218.50
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,935.02	1,188.96
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,206.80	1,312.04
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	29,035.84	1,378.50
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	37,105.81	1,459.74

40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	550.17	162.47
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	845.22	207.76
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,235.32	235.33
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,753.56	298.34
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,469.39	330.84
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,876.83	359.39
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,730.40	443.09
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,619.93	531.71
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,294.99	669.56
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	9,230.22	758.17
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	16,221.63	1,004.34
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	24,662.85	1,137.26
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	38,206.07	1,299.73

40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-0001)

40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	580.25	162.47
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	786.63	207.76
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,276.49	235.33
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,723.48	298.34
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,309.47	330.84
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,724.83	359.39
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,366.23	443.09
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,227.26	531.71
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,576.14	669.56
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,862.20	758.17
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,869.66	1,004.34
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,378.49	1,137.26
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	34,070.33	1,299.73
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	36,753.59	1,595.12

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-0001)

40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	791.19	260.93
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	980.36	321.00
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,367.98	358.41
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,959.68	465.74
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,593.85	508.08
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,461.13	546.48
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,927.62	689.25
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,784.57	787.72
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	6,035.21	994.49
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,855.07	1,097.88
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	15,038.80	1,516.36
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	21,636.67	1,737.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	44,605.07	2,008.67
40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1749 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	987.86	291.46
40 05 19 00-1750 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,216.90	297.36
40 05 19 00-1751 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,219.75	334.78
40 05 19 00-1752 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,598.73	328.87
40 05 19 00-1753 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,582.58	366.29
40 05 19 00-1754 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,669.05	389.92
40 05 19 00-1755 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,019.93	345.61
40 05 19 00-1756 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,018.04	383.02
40 05 19 00-1757 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,131.43	406.65
40 05 19 00-1758 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,539.22	482.47
40 05 19 00-1759 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,930.66	359.39
40 05 19 00-1760 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,871.77	396.81
40 05 19 00-1761 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,999.40	420.44
40 05 19 00-1762 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,172.87	496.26
40 05 19 00-1763 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,364.41	522.35
40 05 19 00-1764 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,551.42	401.24
40 05 19 00-1765 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,278.76	438.66
40 05 19 00-1766 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,229.07	462.29
40 05 19 00-1767 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,788.87	538.11
40 05 19 00-1768 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,681.15	564.20
40 05 19 00-1769 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,100.87	588.33
40 05 19 00-1770 EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,338.98	445.55
40 05 19 00-1771 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,284.15	482.97
40 05 19 00-1772 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,948.55	506.60
40 05 19 00-1773 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,970.00	582.41
40 05 19 00-1774 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,318.29	608.51
40 05 19 00-1775 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,711.09	632.63
40 05 19 00-1776 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,046.10	733.56
40 05 19 00-1777 EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,544.99	514.48
40 05 19 00-1778 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,813.60	551.89
40 05 19 00-1779 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,914.32	575.53
40 05 19 00-1780 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,127.37	651.35
40 05 19 00-1781 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,328.41	677.44
40 05 19 00-1782 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,398.21	701.56
40 05 19 00-1783 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,496.39	802.49
40 05 19 00-1784 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,643.36	856.64
40 05 19 00-1785 EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,355.16	558.78
40 05 19 00-1786 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,499.82	596.20
40 05 19 00-1787 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,749.40	619.83
40 05 19 00-1788 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,983.02	695.65
40 05 19 00-1789 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,700.23	721.74
40 05 19 00-1790 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,866.61	745.87
40 05 19 00-1791 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	7,105.03	846.79
40 05 19 00-1792 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,316.71	900.95
40 05 19 00-1793 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,639.92	962.74
40 05 19 00-1794 EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,251.82	719.28
40 05 19 00-1795 EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,320.89	742.91
40 05 19 00-1796 EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,646.34	818.73
40 05 19 00-1797 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,685.88	844.82
40 05 19 00-1798 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,722.43	868.95
40 05 19 00-1799 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,979.84	969.88
40 05 19 00-1800 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,131.57	1,024.03
40 05 19 00-1801 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,513.03	1,161.88
40 05 19 00-1802 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,990.93	1,220.96
40 05 19 00-1803 EA 36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,525.01	1,029.44
40 05 19 00-1804 EA 36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,603.11	1,048.15
40 05 19 00-1805 EA 36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,719.26	1,101.82
40 05 19 00-1806 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,855.84	1,122.99
40 05 19 00-1807 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,919.76	1,142.19
40 05 19 00-1808 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,097.59	1,213.57
40 05 19 00-1809 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,207.02	1,262.80
40 05 19 00-1810 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,503.01	1,366.20
40 05 19 00-1811 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,896.42	1,417.89
40 05 19 00-1812 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,413.20	1,627.12
40 05 19 00-1813 EA 42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,672.77	890.61
40 05 19 00-1814 EA 42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,038.93	966.43
40 05 19 00-1815 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,078.47	992.52
40 05 19 00-1816 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,151.43	1,016.65
40 05 19 00-1817 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,378.77	1,117.57
40 05 19 00-1818 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,647.67	1,171.72
40 05 19 00-1819 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,856.53	1,309.58
40 05 19 00-1820 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,243.71	1,368.66
40 05 19 00-1821 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,244.80	1,664.05
40 05 19 00-1822 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,679.10	1,819.13
40 05 19 00-1823 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,886.87	1,152.52
40 05 19 00-1824 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,923.42	1,176.65
40 05 19 00-1825 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	34,187.18	1,277.58

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	34,269.24	1,331.74
40 05 19 00-1827 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	34,625.35	1,469.58
40 05 19 00-1828 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	34,976.12	1,528.66
40 05 19 00-1829 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	35,946.20	1,824.06
40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-0001)		
40 05 19 00-1831 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	851.36	260.93
40 05 19 00-1832 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,152.94	321.00
40 05 19 00-1833 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,665.65	358.41
40 05 19 00-1834 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,521.77	465.74
40 05 19 00-1835 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,372.86	508.08
40 05 19 00-1836 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,765.13	546.48
40 05 19 00-1837 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,674.96	689.25
40 05 19 00-1838 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,672.84	787.72
40 05 19 00-1839 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	7,567.90	994.49
40 05 19 00-1840 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	10,853.27	1,097.88
40 05 19 00-1841 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	18,150.10	1,516.36
40 05 19 00-1842 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	25,815.15	1,737.90
40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes (40 05 19 00-0001)		
40 05 19 00-1844 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	699.36	260.93
40 05 19 00-1845 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	972.44	321.00
40 05 19 00-1846 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,391.73	358.41
40 05 19 00-1847 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,828.26	465.74
40 05 19 00-1848 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,585.93	508.08
40 05 19 00-1849 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	3,340.79	546.48
40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses (40 05 19 00-0001)		
40 05 19 00-1851 EA 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	960.96	359.39
40 05 19 00-1852 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,256.63	389.42
40 05 19 00-1853 EA 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,334.01	434.23
40 05 19 00-1854 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,538.67	395.82
40 05 19 00-1855 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,679.48	448.01
40 05 19 00-1856 EA 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,741.30	481.49
40 05 19 00-1857 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,979.09	427.34
40 05 19 00-1858 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,180.07	479.52
40 05 19 00-1859 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,382.80	513.00
40 05 19 00-1860 EA 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,957.48	633.13
40 05 19 00-1861 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,548.38	443.58
40 05 19 00-1862 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,687.62	495.77
40 05 19 00-1863 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,891.93	529.25
40 05 19 00-1864 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,496.69	649.37
40 05 19 00-1865 EA 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,302.55	685.31
40 05 19 00-1866 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,193.76	510.05
40 05 19 00-1867 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,396.48	543.52
40 05 19 00-1868 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,790.66	663.65
40 05 19 00-1869 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,119.03	699.59
40 05 19 00-1870 EA 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,320.92	733.56
40 05 19 00-1871 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,803.42	551.89
40 05 19 00-1872 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,034.65	585.37
40 05 19 00-1873 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,428.82	705.50
40 05 19 00-1874 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,787.29	741.44
40 05 19 00-1875 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,642.20	775.40
40 05 19 00-1876 EA 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,443.78	935.41
40 05 19 00-1877 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,962.38	596.20
40 05 19 00-1878 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,192.03	629.69
40 05 19 00-1879 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,526.04	749.81
40 05 19 00-1880 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,882.93	785.75
40 05 19 00-1881 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,599.41	819.72
40 05 19 00-1882 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,115.76	979.72
40 05 19 00-1883 EA 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,394.81	1,043.73
40 05 19 00-1884 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,148.26	665.13
40 05 19 00-1885 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,393.74	698.61
40 05 19 00-1886 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,705.58	818.73
40 05 19 00-1887 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,086.20	854.67
40 05 19 00-1888 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,202.60	888.64
40 05 19 00-1889 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,553.38	1,048.64
40 05 19 00-1890 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,845.10	1,112.65
40 05 19 00-1891 EA 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,615.99	1,319.42
40 05 19 00-1892 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,779.75	709.44
40 05 19 00-1893 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,958.73	742.91
40 05 19 00-1894 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,368.74	863.04
40 05 19 00-1895 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,619.54	898.98
40 05 19 00-1896 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,769.17	932.95
40 05 19 00-1897 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,239.61	1,092.96
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,651.45	1,156.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,270.68	1,287.68
40 05 19 00-1900 EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,411.41	1,437.58
40 05 19 00-1901 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,478.51	1,022.07
40 05 19 00-1902 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,564.82	1,056.03
40 05 19 00-1903 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,051.09	1,216.04
40 05 19 00-1904 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,217.72	1,280.04
40 05 19 00-1905 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,915.78	1,486.81
40 05 19 00-1906 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,043.07	1,560.66
40 05 19 00-1907 EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	20,529.82	2,028.37
40 05 19 00-1908 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,610.46	1,300.22
40 05 19 00-1909 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,654.48	1,329.27
40 05 19 00-1910 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,064.32	1,459.74
40 05 19 00-1911 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,221.91	1,518.81
40 05 19 00-1912 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,798.09	1,691.13
40 05 19 00-1913 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,457.72	1,757.59
40 05 19 00-1914 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,283.76	2,139.14
40 05 19 00-1915 EA 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	28,819.99	2,338.53
40 05 19 00-1916 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,905.93	1,169.75
40 05 19 00-1917 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,957.40	1,203.73
40 05 19 00-1918 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,423.09	1,363.73
40 05 19 00-1919 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,556.47	1,427.73
40 05 19 00-1920 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,205.45	1,634.51
40 05 19 00-1921 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,876.26	1,708.36
40 05 19 00-1922 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,882.62	2,176.06
40 05 19 00-1923 EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	49,510.92	2,419.77
40 05 19 00-1924 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,815.57	2,717.62
40 05 19 00-1925 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,726.23	1,363.73
40 05 19 00-1926 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,193.50	1,523.74
40 05 19 00-1927 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,326.89	1,587.74
40 05 19 00-1928 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,937.85	1,794.51
40 05 19 00-1929 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,608.67	1,868.36
40 05 19 00-1930 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	38,322.75	2,336.07

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	511.64	185.12
40 05 19 00-1933 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	648.12	198.90
40 05 19 00-1934 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	714.09	221.55
40 05 19 00-1935 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	866.86	230.41
40 05 19 00-1936 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	877.43	253.05
40 05 19 00-1937 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,021.81	266.84
40 05 19 00-1938 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,101.23	247.15
40 05 19 00-1939 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,140.29	269.80
40 05 19 00-1940 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,248.27	283.58
40 05 19 00-1941 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,403.67	315.09
40 05 19 00-1942 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,707.14	269.80
40 05 19 00-1943 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,368.60	283.58
40 05 19 00-1944 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,511.40	297.36
40 05 19 00-1945 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,662.06	328.87
40 05 19 00-1946 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,619.34	345.61
40 05 19 00-1947 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,018.36	302.77
40 05 19 00-1948 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,645.76	325.43
40 05 19 00-1949 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,558.97	339.21
40 05 19 00-1950 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,736.55	370.72
40 05 19 00-1951 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,142.75	386.96
40 05 19 00-1952 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,303.73	401.23
40 05 19 00-1953 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,552.07	369.74
40 05 19 00-1954 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,034.61	383.52
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,234.36	415.03
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,222.56	431.27
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,551.36	445.55
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,553.01	487.40
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,620.08	438.66
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,544.38	452.44
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,755.21	483.96
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,689.58	500.20
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,095.97	514.48
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,915.54	556.32
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,584.35	600.63
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,425.36	496.75
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,864.20	528.26
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,153.24	544.51
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,263.54	558.78
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,787.02	600.63
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,561.91	644.94
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,812.35	637.81
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,543.29	723.71
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,821.02	768.03
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,345.04	836.95
40 05 19 00-1976 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,110.44	881.25

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1977 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,914.54	790.17
40 05 19 00-1978 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,364.84	834.49
40 05 19 00-1979 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,958.53	903.41
40 05 19 00-1980 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,830.01	947.72
40 05 19 00-1981 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,482.70	1,070.80
40 05 19 00-1982 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,115.75	1,028.95
40 05 19 00-1983 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,088.26	1,152.04
40 05 19 00-1984 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,312.25	1,218.50
40 05 19 00-1985 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,193.08	1,188.96
40 05 19 00-1986 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,539.27	1,312.04
40 05 19 00-1987 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	24,060.93	1,378.50
40 05 19 00-1988 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,940.64	1,459.74

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	554.39	185.12
40 05 19 00-1991 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	697.20	198.90
40 05 19 00-1992 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	791.68	221.55
40 05 19 00-1993 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	866.86	230.41
40 05 19 00-1994 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	929.68	253.05
40 05 19 00-1995 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,070.89	266.84
40 05 19 00-1996 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,101.23	247.15
40 05 19 00-1997 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,197.29	269.80
40 05 19 00-1998 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,308.43	283.58
40 05 19 00-1999 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,508.17	315.09
40 05 19 00-2000 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,368.60	283.58
40 05 19 00-2001 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,481.32	297.36
40 05 19 00-2002 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,650.98	328.87
40 05 19 00-2003 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,886.92	345.61
40 05 19 00-2004 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,645.76	325.43
40 05 19 00-2005 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,785.39	339.21
40 05 19 00-2006 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,985.14	370.72
40 05 19 00-2007 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,191.84	386.96
40 05 19 00-2008 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,303.73	401.24
40 05 19 00-2009 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,034.61	383.52
40 05 19 00-2010 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,234.36	415.03
40 05 19 00-2011 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,441.06	431.27
40 05 19 00-2012 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,551.36	445.55
40 05 19 00-2013 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,796.85	487.40
40 05 19 00-2014 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,958.92	438.66
40 05 19 00-2015 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,707.47	452.44
40 05 19 00-2016 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,755.21	483.96
40 05 19 00-2017 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,007.83	500.20
40 05 19 00-2018 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,095.97	514.48
40 05 19 00-2019 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,384.21	556.32
40 05 19 00-2020 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,582.76	600.63
40 05 19 00-2021 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,751.53	496.75
40 05 19 00-2022 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,864.20	528.26
40 05 19 00-2023 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,953.74	544.51
40 05 19 00-2024 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,040.29	558.78
40 05 19 00-2025 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,333.27	600.63
40 05 19 00-2026 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,561.91	644.94
40 05 19 00-2027 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,812.35	637.81
40 05 19 00-2028 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,808.33	681.86
40 05 19 00-2029 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,626.31	723.71
40 05 19 00-2030 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,855.85	768.03
40 05 19 00-2031 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,345.04	836.95
40 05 19 00-2032 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,110.44	881.25
40 05 19 00-2033 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,984.20	790.17
40 05 19 00-2034 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	9,364.84	834.49
40 05 19 00-2035 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	9,923.69	903.41
40 05 19 00-2036 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,792.01	947.72
40 05 19 00-2037 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,447.86	1,070.80
40 05 19 00-2038 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	15,115.75	1,028.95
40 05 19 00-2039 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,813.19	1,152.04
40 05 19 00-2040 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	19,312.25	1,218.50
40 05 19 00-2041 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	21,539.27	1,312.04
40 05 19 00-2042 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	24,060.93	1,378.50
40 05 19 00-2043 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	26,940.64	1,459.74

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-0001)

40 05 19 00-2045 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	196.72	64.00
40 05 19 00-2046 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	295.22	94.52
40 05 19 00-2047 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	424.99	112.25
40 05 19 00-2048 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	581.59	130.96
40 05 19 00-2049 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	748.91	153.60
40 05 19 00-2050 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	986.26	172.32
40 05 19 00-2051 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,177.14	196.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,595.75	275.70
40 05 19 00-2053 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,116.60	344.63
40 05 19 00-2054 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,005.92	418.47
40 05 19 00-2055 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	4,225.04	487.40
40 05 19 00-2056 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,504.36	536.63
40 05 19 00-2057 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	10,559.96	590.78
40 05 19 00-2058 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,941.49	664.63
40 05 19 00-2059 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping <small>(40 05 19)</small>		
Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.		
40 05 19 00-2060 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-2061 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2062 EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,109.11	281.61
For Class 52 Rating, Deduct	-75.07	
For Class 54 Rating, Add	107.48	
For Class 55 Rating, Add	162.42	
For Class 56 Rating, Add	216.68	
40 05 19 00-2063 EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,213.70	286.53
For Class 52 Rating, Deduct	-85.75	
For Class 54 Rating, Add	122.14	
For Class 55 Rating, Add	184.26	
For Class 56 Rating, Add	245.60	
40 05 19 00-2064 EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,318.28	291.46
For Class 52 Rating, Deduct	-96.43	
For Class 54 Rating, Add	136.80	
For Class 55 Rating, Add	206.10	
For Class 56 Rating, Add	274.52	
40 05 19 00-2065 EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,422.86	296.38
For Class 52 Rating, Deduct	-107.12	
For Class 54 Rating, Add	151.46	
For Class 55 Rating, Add	227.94	
For Class 56 Rating, Add	303.44	
40 05 19 00-2066 EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,527.45	301.30
For Class 52 Rating, Deduct	-117.80	
For Class 54 Rating, Add	166.12	
For Class 55 Rating, Add	249.77	
For Class 56 Rating, Add	332.36	
40 05 19 00-2067 EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,632.04	306.23
For Class 52 Rating, Deduct	-128.49	
For Class 54 Rating, Add	180.78	
For Class 55 Rating, Add	271.61	
For Class 56 Rating, Add	361.28	
40 05 19 00-2068 EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,736.61	311.14
For Class 52 Rating, Deduct	-139.17	
For Class 54 Rating, Add	195.43	
For Class 55 Rating, Add	293.45	
For Class 56 Rating, Add	390.20	
40 05 19 00-2069 EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,841.21	316.07
For Class 52 Rating, Deduct	-149.85	
For Class 54 Rating, Add	210.09	
For Class 55 Rating, Add	315.29	
For Class 56 Rating, Add	419.12	
40 05 19 00-2070 EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,945.78	321.00
For Class 52 Rating, Deduct	-160.54	
For Class 54 Rating, Add	224.75	
For Class 55 Rating, Add	337.13	
For Class 56 Rating, Add	448.04	
40 05 19 00-2071 EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,050.38	325.92
For Class 52 Rating, Deduct	-171.22	
For Class 54 Rating, Add	239.41	
For Class 55 Rating, Add	358.96	
For Class 56 Rating, Add	476.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2072	EA		4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,154.95	330.84
			<i>For Class 52 Rating, Deduct</i>	-181.90	
			<i>For Class 54 Rating, Add</i>	254.07	
			<i>For Class 55 Rating, Add</i>	380.80	
			<i>For Class 56 Rating, Add</i>	505.88	
40 05 19 00-2073	EA		4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,259.54	335.76
			<i>For Class 52 Rating, Deduct</i>	-192.59	
			<i>For Class 54 Rating, Add</i>	268.73	
			<i>For Class 55 Rating, Add</i>	402.64	
			<i>For Class 56 Rating, Add</i>	534.80	
40 05 19 00-2074	EA		4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,364.13	340.69
			<i>For Class 52 Rating, Deduct</i>	-203.27	
			<i>For Class 54 Rating, Add</i>	283.38	
			<i>For Class 55 Rating, Add</i>	424.48	
			<i>For Class 56 Rating, Add</i>	563.72	
40 05 19 00-2075	EA		4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,468.71	345.61
			<i>For Class 52 Rating, Deduct</i>	-213.96	
			<i>For Class 54 Rating, Add</i>	298.04	
			<i>For Class 55 Rating, Add</i>	446.32	
			<i>For Class 56 Rating, Add</i>	592.64	
40 05 19 00-2076	EA		4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,573.29	350.53
			<i>For Class 52 Rating, Deduct</i>	-224.64	
			<i>For Class 54 Rating, Add</i>	312.70	
			<i>For Class 55 Rating, Add</i>	468.15	
			<i>For Class 56 Rating, Add</i>	621.56	
40 05 19 00-2077	EA		4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,677.87	355.46
			<i>For Class 52 Rating, Deduct</i>	-235.32	
			<i>For Class 54 Rating, Add</i>	327.36	
			<i>For Class 55 Rating, Add</i>	489.99	
			<i>For Class 56 Rating, Add</i>	650.48	
40 05 19 00-2078	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,782.46	360.38
			<i>For Class 52 Rating, Deduct</i>	-246.01	
			<i>For Class 54 Rating, Add</i>	342.02	
			<i>For Class 55 Rating, Add</i>	511.83	
			<i>For Class 56 Rating, Add</i>	679.40	
40 05 19 00-2079	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,887.05	365.30
			<i>For Class 52 Rating, Deduct</i>	-256.69	
			<i>For Class 54 Rating, Add</i>	356.68	
			<i>For Class 55 Rating, Add</i>	533.67	
			<i>For Class 56 Rating, Add</i>	708.33	
40 05 19 00-2080	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,991.63	370.22
			<i>For Class 52 Rating, Deduct</i>	-267.37	
			<i>For Class 54 Rating, Add</i>	371.33	
			<i>For Class 55 Rating, Add</i>	555.50	
			<i>For Class 56 Rating, Add</i>	737.24	
40 05 19 00-2081	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,096.21	375.15
			<i>For Class 52 Rating, Deduct</i>	-278.06	
			<i>For Class 54 Rating, Add</i>	385.99	
			<i>For Class 55 Rating, Add</i>	577.34	
			<i>For Class 56 Rating, Add</i>	766.16	
40 05 19 00-2082	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,200.80	380.08
			<i>For Class 52 Rating, Deduct</i>	-288.74	
			<i>For Class 54 Rating, Add</i>	400.65	
			<i>For Class 55 Rating, Add</i>	599.18	
			<i>For Class 56 Rating, Add</i>	795.09	
40 05 19 00-2083	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,305.38	384.99
			<i>For Class 52 Rating, Deduct</i>	-299.43	
			<i>For Class 54 Rating, Add</i>	415.31	
			<i>For Class 55 Rating, Add</i>	621.02	
			<i>For Class 56 Rating, Add</i>	824.00	
40 05 19 00-2084	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,409.96	389.92
			<i>For Class 52 Rating, Deduct</i>	-310.11	
			<i>For Class 54 Rating, Add</i>	429.97	
			<i>For Class 55 Rating, Add</i>	642.86	
			<i>For Class 56 Rating, Add</i>	852.93	
40 05 19 00-2085	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,514.55	394.84
			<i>For Class 52 Rating, Deduct</i>	-320.79	
			<i>For Class 54 Rating, Add</i>	444.62	
			<i>For Class 55 Rating, Add</i>	664.69	
			<i>For Class 56 Rating, Add</i>	881.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2086 EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,619.13	399.77
For Class 52 Rating, Deduct	-331.48	
For Class 54 Rating, Add	459.28	
For Class 55 Rating, Add	686.53	
For Class 56 Rating, Add	910.77	
40 05 19 00-2087 EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,723.72	404.69
For Class 52 Rating, Deduct	-342.16	
For Class 54 Rating, Add	473.94	
For Class 55 Rating, Add	708.37	
For Class 56 Rating, Add	939.69	
40 05 19 00-2088 EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,828.30	409.61
For Class 52 Rating, Deduct	-352.84	
For Class 54 Rating, Add	488.60	
For Class 55 Rating, Add	730.21	
For Class 56 Rating, Add	968.61	
40 05 19 00-2089 EA 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,932.88	414.54
For Class 52 Rating, Deduct	-363.53	
For Class 54 Rating, Add	503.26	
For Class 55 Rating, Add	752.04	
For Class 56 Rating, Add	997.53	
40 05 19 00-2090 EA 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,037.48	419.45
For Class 52 Rating, Deduct	-374.21	
For Class 54 Rating, Add	517.92	
For Class 55 Rating, Add	773.88	
For Class 56 Rating, Add	1,026.45	
40 05 19 00-2091 EA 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,142.05	424.38
For Class 52 Rating, Deduct	-384.90	
For Class 54 Rating, Add	532.57	
For Class 55 Rating, Add	795.72	
For Class 56 Rating, Add	1,055.37	
40 05 19 00-2092 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,246.64	429.31
For Class 52 Rating, Deduct	-395.58	
For Class 54 Rating, Add	547.23	
For Class 55 Rating, Add	817.56	
For Class 56 Rating, Add	1,084.29	
40 05 19 00-2093 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,351.22	434.23
For Class 52 Rating, Deduct	-406.26	
For Class 54 Rating, Add	561.89	
For Class 55 Rating, Add	839.40	
For Class 56 Rating, Add	1,113.21	
40 05 19 00-2094 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,455.81	439.15
For Class 52 Rating, Deduct	-416.95	
For Class 54 Rating, Add	576.55	
For Class 55 Rating, Add	861.24	
For Class 56 Rating, Add	1,142.13	
40 05 19 00-2095 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,560.39	444.07
For Class 52 Rating, Deduct	-427.63	
For Class 54 Rating, Add	591.21	
For Class 55 Rating, Add	883.07	
For Class 56 Rating, Add	1,171.05	
40 05 19 00-2096 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,664.98	449.00
For Class 52 Rating, Deduct	-438.31	
For Class 54 Rating, Add	605.87	
For Class 55 Rating, Add	904.91	
For Class 56 Rating, Add	1,199.97	
40 05 19 00-2097 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,769.56	453.93
For Class 52 Rating, Deduct	-449.00	
For Class 54 Rating, Add	620.52	
For Class 55 Rating, Add	926.75	
For Class 56 Rating, Add	1,228.89	
40 05 19 00-2098 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,874.15	458.84
For Class 52 Rating, Deduct	-459.68	
For Class 54 Rating, Add	635.18	
For Class 55 Rating, Add	948.59	
For Class 56 Rating, Add	1,257.81	
40 05 19 00-2099 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,978.73	463.77
For Class 52 Rating, Deduct	-470.37	
For Class 54 Rating, Add	649.84	
For Class 55 Rating, Add	970.42	
For Class 56 Rating, Add	1,286.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2100	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,083.32	468.69
			<i>For Class 52 Rating, Deduct</i>	-481.05	
			<i>For Class 54 Rating, Add</i>	664.50	
			<i>For Class 55 Rating, Add</i>	992.26	
			<i>For Class 56 Rating, Add</i>	1,315.65	
40 05 19 00-2101			6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2102	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,388.20	354.47
			<i>For Class 52 Rating, Deduct</i>	-93.62	
			<i>For Class 54 Rating, Add</i>	134.11	
			<i>For Class 55 Rating, Add</i>	202.69	
			<i>For Class 56 Rating, Add</i>	270.42	
40 05 19 00-2103	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,508.12	359.39
			<i>For Class 52 Rating, Deduct</i>	-105.99	
			<i>For Class 54 Rating, Add</i>	151.07	
			<i>For Class 55 Rating, Add</i>	227.95	
			<i>For Class 56 Rating, Add</i>	303.86	
40 05 19 00-2104	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,628.04	364.32
			<i>For Class 52 Rating, Deduct</i>	-118.36	
			<i>For Class 54 Rating, Add</i>	168.03	
			<i>For Class 55 Rating, Add</i>	253.20	
			<i>For Class 56 Rating, Add</i>	337.30	
40 05 19 00-2105	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,747.95	369.25
			<i>For Class 52 Rating, Deduct</i>	-130.74	
			<i>For Class 54 Rating, Add</i>	184.99	
			<i>For Class 55 Rating, Add</i>	278.46	
			<i>For Class 56 Rating, Add</i>	370.75	
40 05 19 00-2106	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,867.88	374.16
			<i>For Class 52 Rating, Deduct</i>	-143.11	
			<i>For Class 54 Rating, Add</i>	201.95	
			<i>For Class 55 Rating, Add</i>	303.72	
			<i>For Class 56 Rating, Add</i>	404.19	
40 05 19 00-2107	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,987.80	379.09
			<i>For Class 52 Rating, Deduct</i>	-155.48	
			<i>For Class 54 Rating, Add</i>	218.91	
			<i>For Class 55 Rating, Add</i>	328.98	
			<i>For Class 56 Rating, Add</i>	437.64	
40 05 19 00-2108	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,107.71	384.01
			<i>For Class 52 Rating, Deduct</i>	-167.85	
			<i>For Class 54 Rating, Add</i>	235.86	
			<i>For Class 55 Rating, Add</i>	354.24	
			<i>For Class 56 Rating, Add</i>	471.08	
40 05 19 00-2109	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,227.64	388.94
			<i>For Class 52 Rating, Deduct</i>	-180.22	
			<i>For Class 54 Rating, Add</i>	252.82	
			<i>For Class 55 Rating, Add</i>	379.49	
			<i>For Class 56 Rating, Add</i>	504.53	
40 05 19 00-2110	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,347.56	393.85
			<i>For Class 52 Rating, Deduct</i>	-192.59	
			<i>For Class 54 Rating, Add</i>	269.78	
			<i>For Class 55 Rating, Add</i>	404.75	
			<i>For Class 56 Rating, Add</i>	537.97	
40 05 19 00-2111	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,467.49	398.78
			<i>For Class 52 Rating, Deduct</i>	-204.96	
			<i>For Class 54 Rating, Add</i>	286.74	
			<i>For Class 55 Rating, Add</i>	430.01	
			<i>For Class 56 Rating, Add</i>	571.42	
40 05 19 00-2112	EA		6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,587.40	403.71
			<i>For Class 52 Rating, Deduct</i>	-217.33	
			<i>For Class 54 Rating, Add</i>	303.70	
			<i>For Class 55 Rating, Add</i>	455.27	
			<i>For Class 56 Rating, Add</i>	604.86	
40 05 19 00-2113	EA		6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,707.32	408.63
			<i>For Class 52 Rating, Deduct</i>	-229.70	
			<i>For Class 54 Rating, Add</i>	320.66	
			<i>For Class 55 Rating, Add</i>	480.53	
			<i>For Class 56 Rating, Add</i>	638.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2114 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,827.25	413.55
<i>For Class 52 Rating, Deduct</i>	-242.07	
<i>For Class 54 Rating, Add</i>	337.62	
<i>For Class 55 Rating, Add</i>	505.78	
<i>For Class 56 Rating, Add</i>	671.75	
40 05 19 00-2115 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,947.16	418.47
<i>For Class 52 Rating, Deduct</i>	-254.44	
<i>For Class 54 Rating, Add</i>	354.58	
<i>For Class 55 Rating, Add</i>	531.04	
<i>For Class 56 Rating, Add</i>	705.19	
40 05 19 00-2116 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,067.08	423.40
<i>For Class 52 Rating, Deduct</i>	-266.81	
<i>For Class 54 Rating, Add</i>	371.53	
<i>For Class 55 Rating, Add</i>	556.30	
<i>For Class 56 Rating, Add</i>	738.64	
40 05 19 00-2117 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,187.00	428.32
<i>For Class 52 Rating, Deduct</i>	-279.18	
<i>For Class 54 Rating, Add</i>	388.49	
<i>For Class 55 Rating, Add</i>	581.56	
<i>For Class 56 Rating, Add</i>	772.08	
40 05 19 00-2118 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,306.92	433.24
<i>For Class 52 Rating, Deduct</i>	-291.55	
<i>For Class 54 Rating, Add</i>	405.45	
<i>For Class 55 Rating, Add</i>	606.81	
<i>For Class 56 Rating, Add</i>	805.53	
40 05 19 00-2119 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,426.84	438.17
<i>For Class 52 Rating, Deduct</i>	-303.92	
<i>For Class 54 Rating, Add</i>	422.41	
<i>For Class 55 Rating, Add</i>	632.07	
<i>For Class 56 Rating, Add</i>	838.97	
40 05 19 00-2120 EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,546.76	443.09
<i>For Class 52 Rating, Deduct</i>	-316.30	
<i>For Class 54 Rating, Add</i>	439.37	
<i>For Class 55 Rating, Add</i>	657.33	
<i>For Class 56 Rating, Add</i>	872.41	
40 05 19 00-2121 EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,666.67	448.01
<i>For Class 52 Rating, Deduct</i>	-328.67	
<i>For Class 54 Rating, Add</i>	456.33	
<i>For Class 55 Rating, Add</i>	682.59	
<i>For Class 56 Rating, Add</i>	905.86	
40 05 19 00-2122 EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,786.60	452.94
<i>For Class 52 Rating, Deduct</i>	-341.04	
<i>For Class 54 Rating, Add</i>	473.28	
<i>For Class 55 Rating, Add</i>	707.84	
<i>For Class 56 Rating, Add</i>	939.30	
40 05 19 00-2123 EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,906.52	457.86
<i>For Class 52 Rating, Deduct</i>	-353.41	
<i>For Class 54 Rating, Add</i>	490.24	
<i>For Class 55 Rating, Add</i>	733.10	
<i>For Class 56 Rating, Add</i>	972.75	
40 05 19 00-2124 EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,026.43	462.79
<i>For Class 52 Rating, Deduct</i>	-365.78	
<i>For Class 54 Rating, Add</i>	507.20	
<i>For Class 55 Rating, Add</i>	758.36	
<i>For Class 56 Rating, Add</i>	1,006.19	
40 05 19 00-2125 EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,146.36	467.70
<i>For Class 52 Rating, Deduct</i>	-378.15	
<i>For Class 54 Rating, Add</i>	524.16	
<i>For Class 55 Rating, Add</i>	783.62	
<i>For Class 56 Rating, Add</i>	1,039.64	
40 05 19 00-2126 EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,266.27	472.63
<i>For Class 52 Rating, Deduct</i>	-390.52	
<i>For Class 54 Rating, Add</i>	541.12	
<i>For Class 55 Rating, Add</i>	808.87	
<i>For Class 56 Rating, Add</i>	1,073.08	
40 05 19 00-2127 EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,386.20	477.56
<i>For Class 52 Rating, Deduct</i>	-402.89	
<i>For Class 54 Rating, Add</i>	558.08	
<i>For Class 55 Rating, Add</i>	834.13	
<i>For Class 56 Rating, Add</i>	1,106.52	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2128	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,506.11	482.47
			<i>For Class 52 Rating, Deduct</i>	-415.26	
			<i>For Class 54 Rating, Add</i>	575.04	
			<i>For Class 55 Rating, Add</i>	859.39	
			<i>For Class 56 Rating, Add</i>	1,139.97	
40 05 19 00-2129	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,626.03	487.40
			<i>For Class 52 Rating, Deduct</i>	-427.63	
			<i>For Class 54 Rating, Add</i>	591.99	
			<i>For Class 55 Rating, Add</i>	884.65	
			<i>For Class 56 Rating, Add</i>	1,173.41	
40 05 19 00-2130	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,745.96	492.32
			<i>For Class 52 Rating, Deduct</i>	-440.00	
			<i>For Class 54 Rating, Add</i>	608.95	
			<i>For Class 55 Rating, Add</i>	909.91	
			<i>For Class 56 Rating, Add</i>	1,206.86	
40 05 19 00-2131	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,865.88	497.25
			<i>For Class 52 Rating, Deduct</i>	-452.37	
			<i>For Class 54 Rating, Add</i>	625.91	
			<i>For Class 55 Rating, Add</i>	935.16	
			<i>For Class 56 Rating, Add</i>	1,240.30	
40 05 19 00-2132	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,985.80	502.17
			<i>For Class 52 Rating, Deduct</i>	-464.74	
			<i>For Class 54 Rating, Add</i>	642.87	
			<i>For Class 55 Rating, Add</i>	960.42	
			<i>For Class 56 Rating, Add</i>	1,273.75	
40 05 19 00-2133	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,105.72	507.09
			<i>For Class 52 Rating, Deduct</i>	-477.11	
			<i>For Class 54 Rating, Add</i>	659.83	
			<i>For Class 55 Rating, Add</i>	985.68	
			<i>For Class 56 Rating, Add</i>	1,307.19	
40 05 19 00-2134	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,225.64	512.02
			<i>For Class 52 Rating, Deduct</i>	-489.48	
			<i>For Class 54 Rating, Add</i>	676.79	
			<i>For Class 55 Rating, Add</i>	1,010.94	
			<i>For Class 56 Rating, Add</i>	1,340.64	
40 05 19 00-2135	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,345.56	516.94
			<i>For Class 52 Rating, Deduct</i>	-501.86	
			<i>For Class 54 Rating, Add</i>	693.75	
			<i>For Class 55 Rating, Add</i>	1,036.20	
			<i>For Class 56 Rating, Add</i>	1,374.08	
40 05 19 00-2136	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,465.48	521.86
			<i>For Class 52 Rating, Deduct</i>	-514.23	
			<i>For Class 54 Rating, Add</i>	710.71	
			<i>For Class 55 Rating, Add</i>	1,061.45	
			<i>For Class 56 Rating, Add</i>	1,407.53	
40 05 19 00-2137	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,585.40	526.79
			<i>For Class 52 Rating, Deduct</i>	-526.60	
			<i>For Class 54 Rating, Add</i>	727.66	
			<i>For Class 55 Rating, Add</i>	1,086.71	
			<i>For Class 56 Rating, Add</i>	1,440.97	
40 05 19 00-2138	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,705.32	531.71
			<i>For Class 52 Rating, Deduct</i>	-538.97	
			<i>For Class 54 Rating, Add</i>	744.62	
			<i>For Class 55 Rating, Add</i>	1,111.97	
			<i>For Class 56 Rating, Add</i>	1,474.41	
40 05 19 00-2139	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,825.24	536.63
			<i>For Class 52 Rating, Deduct</i>	-551.34	
			<i>For Class 54 Rating, Add</i>	761.58	
			<i>For Class 55 Rating, Add</i>	1,137.23	
			<i>For Class 56 Rating, Add</i>	1,507.86	
40 05 19 00-2140	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,945.15	541.55
			<i>For Class 52 Rating, Deduct</i>	-563.71	
			<i>For Class 54 Rating, Add</i>	778.54	
			<i>For Class 55 Rating, Add</i>	1,162.48	
			<i>For Class 56 Rating, Add</i>	1,541.30	

40 05 19 00-2141 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2142 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,915.67	452.94
<i>For Class 52 Rating, Deduct</i>	-135.23	
<i>For Class 54 Rating, Add</i>	192.65	
<i>For Class 55 Rating, Add</i>	290.63	
<i>For Class 56 Rating, Add</i>	387.38	
40 05 19 00-2143 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,068.81	457.86
<i>For Class 52 Rating, Deduct</i>	-151.26	
<i>For Class 54 Rating, Add</i>	214.59	
<i>For Class 55 Rating, Add</i>	323.29	
<i>For Class 56 Rating, Add</i>	430.62	
40 05 19 00-2144 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,221.95	462.79
<i>For Class 52 Rating, Deduct</i>	-167.28	
<i>For Class 54 Rating, Add</i>	236.53	
<i>For Class 55 Rating, Add</i>	355.96	
<i>For Class 56 Rating, Add</i>	473.87	
40 05 19 00-2145 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,375.11	467.70
<i>For Class 52 Rating, Deduct</i>	-183.31	
<i>For Class 54 Rating, Add</i>	258.47	
<i>For Class 55 Rating, Add</i>	388.63	
<i>For Class 56 Rating, Add</i>	517.12	
40 05 19 00-2146 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,528.25	472.63
<i>For Class 52 Rating, Deduct</i>	-199.34	
<i>For Class 54 Rating, Add</i>	280.42	
<i>For Class 55 Rating, Add</i>	421.30	
<i>For Class 56 Rating, Add</i>	560.36	
40 05 19 00-2147 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,681.40	477.56
<i>For Class 52 Rating, Deduct</i>	-215.36	
<i>For Class 54 Rating, Add</i>	302.36	
<i>For Class 55 Rating, Add</i>	453.96	
<i>For Class 56 Rating, Add</i>	603.61	
40 05 19 00-2148 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,834.54	482.47
<i>For Class 52 Rating, Deduct</i>	-231.39	
<i>For Class 54 Rating, Add</i>	324.30	
<i>For Class 55 Rating, Add</i>	486.63	
<i>For Class 56 Rating, Add</i>	646.86	
40 05 19 00-2149 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,987.69	487.40
<i>For Class 52 Rating, Deduct</i>	-247.41	
<i>For Class 54 Rating, Add</i>	346.24	
<i>For Class 55 Rating, Add</i>	519.30	
<i>For Class 56 Rating, Add</i>	690.10	
40 05 19 00-2150 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,140.85	492.32
<i>For Class 52 Rating, Deduct</i>	-263.44	
<i>For Class 54 Rating, Add</i>	368.19	
<i>For Class 55 Rating, Add</i>	551.97	
<i>For Class 56 Rating, Add</i>	733.35	
40 05 19 00-2151 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,293.98	497.25
<i>For Class 52 Rating, Deduct</i>	-279.46	
<i>For Class 54 Rating, Add</i>	390.13	
<i>For Class 55 Rating, Add</i>	584.63	
<i>For Class 56 Rating, Add</i>	776.59	
40 05 19 00-2152 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,447.13	502.17
<i>For Class 52 Rating, Deduct</i>	-295.49	
<i>For Class 54 Rating, Add</i>	412.07	
<i>For Class 55 Rating, Add</i>	617.30	
<i>For Class 56 Rating, Add</i>	819.84	
40 05 19 00-2153 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,600.28	507.09
<i>For Class 52 Rating, Deduct</i>	-311.52	
<i>For Class 54 Rating, Add</i>	434.01	
<i>For Class 55 Rating, Add</i>	649.97	
<i>For Class 56 Rating, Add</i>	863.09	
40 05 19 00-2154 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,753.43	512.02
<i>For Class 52 Rating, Deduct</i>	-327.54	
<i>For Class 54 Rating, Add</i>	455.96	
<i>For Class 55 Rating, Add</i>	682.63	
<i>For Class 56 Rating, Add</i>	906.33	
40 05 19 00-2155 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,906.57	516.94
<i>For Class 52 Rating, Deduct</i>	-343.57	
<i>For Class 54 Rating, Add</i>	477.90	
<i>For Class 55 Rating, Add</i>	715.30	
<i>For Class 56 Rating, Add</i>	949.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2156	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,059.72	521.86
			<i>For Class 52 Rating, Deduct</i>	-359.59	
			<i>For Class 54 Rating, Add</i>	499.84	
			<i>For Class 55 Rating, Add</i>	747.97	
			<i>For Class 56 Rating, Add</i>	992.83	
40 05 19 00-2157	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,212.87	526.79
			<i>For Class 52 Rating, Deduct</i>	-375.62	
			<i>For Class 54 Rating, Add</i>	521.78	
			<i>For Class 55 Rating, Add</i>	780.64	
			<i>For Class 56 Rating, Add</i>	1,036.07	
40 05 19 00-2158	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,366.02	531.71
			<i>For Class 52 Rating, Deduct</i>	-391.64	
			<i>For Class 54 Rating, Add</i>	543.73	
			<i>For Class 55 Rating, Add</i>	813.30	
			<i>For Class 56 Rating, Add</i>	1,079.32	
40 05 19 00-2159	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,519.16	536.63
			<i>For Class 52 Rating, Deduct</i>	-407.67	
			<i>For Class 54 Rating, Add</i>	565.67	
			<i>For Class 55 Rating, Add</i>	845.97	
			<i>For Class 56 Rating, Add</i>	1,122.56	
40 05 19 00-2160	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,672.30	541.55
			<i>For Class 52 Rating, Deduct</i>	-423.69	
			<i>For Class 54 Rating, Add</i>	587.61	
			<i>For Class 55 Rating, Add</i>	878.64	
			<i>For Class 56 Rating, Add</i>	1,165.81	
40 05 19 00-2161	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,825.46	546.48
			<i>For Class 52 Rating, Deduct</i>	-439.72	
			<i>For Class 54 Rating, Add</i>	609.56	
			<i>For Class 55 Rating, Add</i>	911.31	
			<i>For Class 56 Rating, Add</i>	1,209.06	
40 05 19 00-2162	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,978.60	551.40
			<i>For Class 52 Rating, Deduct</i>	-455.75	
			<i>For Class 54 Rating, Add</i>	631.50	
			<i>For Class 55 Rating, Add</i>	943.97	
			<i>For Class 56 Rating, Add</i>	1,252.31	
40 05 19 00-2163	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,131.75	556.32
			<i>For Class 52 Rating, Deduct</i>	-471.77	
			<i>For Class 54 Rating, Add</i>	653.44	
			<i>For Class 55 Rating, Add</i>	976.64	
			<i>For Class 56 Rating, Add</i>	1,295.55	
40 05 19 00-2164	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,284.90	561.25
			<i>For Class 52 Rating, Deduct</i>	-487.80	
			<i>For Class 54 Rating, Add</i>	675.38	
			<i>For Class 55 Rating, Add</i>	1,009.31	
			<i>For Class 56 Rating, Add</i>	1,338.80	
40 05 19 00-2165	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,438.04	566.17
			<i>For Class 52 Rating, Deduct</i>	-503.82	
			<i>For Class 54 Rating, Add</i>	697.33	
			<i>For Class 55 Rating, Add</i>	1,041.97	
			<i>For Class 56 Rating, Add</i>	1,382.04	
40 05 19 00-2166	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,591.20	571.10
			<i>For Class 52 Rating, Deduct</i>	-519.85	
			<i>For Class 54 Rating, Add</i>	719.27	
			<i>For Class 55 Rating, Add</i>	1,074.64	
			<i>For Class 56 Rating, Add</i>	1,425.29	
40 05 19 00-2167	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,744.33	576.01
			<i>For Class 52 Rating, Deduct</i>	-535.87	
			<i>For Class 54 Rating, Add</i>	741.21	
			<i>For Class 55 Rating, Add</i>	1,107.31	
			<i>For Class 56 Rating, Add</i>	1,468.54	
40 05 19 00-2168	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,897.48	580.94
			<i>For Class 52 Rating, Deduct</i>	-551.90	
			<i>For Class 54 Rating, Add</i>	763.15	
			<i>For Class 55 Rating, Add</i>	1,139.98	
			<i>For Class 56 Rating, Add</i>	1,511.78	
40 05 19 00-2169	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,050.63	585.87
			<i>For Class 52 Rating, Deduct</i>	-567.93	
			<i>For Class 54 Rating, Add</i>	785.10	
			<i>For Class 55 Rating, Add</i>	1,172.64	
			<i>For Class 56 Rating, Add</i>	1,555.03	



Process Interconnections	40
Common Work Results For Process Interconnections 40 05	
Ductile Iron Process Pipe 40 05 19	

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,203.78	590.78
For Class 52 Rating, Deduct	-583.95	
For Class 54 Rating, Add	807.04	
For Class 55 Rating, Add	1,205.31	
For Class 56 Rating, Add	1,598.28	
40 05 19 00-2171 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,356.92	595.71
For Class 52 Rating, Deduct	-599.98	
For Class 54 Rating, Add	828.98	
For Class 55 Rating, Add	1,237.98	
For Class 56 Rating, Add	1,641.52	
40 05 19 00-2172 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,510.07	600.63
For Class 52 Rating, Deduct	-616.00	
For Class 54 Rating, Add	850.92	
For Class 55 Rating, Add	1,270.65	
For Class 56 Rating, Add	1,684.77	
40 05 19 00-2173 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,663.22	605.56
For Class 52 Rating, Deduct	-632.03	
For Class 54 Rating, Add	872.87	
For Class 55 Rating, Add	1,303.31	
For Class 56 Rating, Add	1,728.01	
40 05 19 00-2174 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,816.37	610.48
For Class 52 Rating, Deduct	-648.05	
For Class 54 Rating, Add	894.81	
For Class 55 Rating, Add	1,335.98	
For Class 56 Rating, Add	1,771.26	
40 05 19 00-2175 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,969.51	615.40
For Class 52 Rating, Deduct	-664.08	
For Class 54 Rating, Add	916.75	
For Class 55 Rating, Add	1,368.65	
For Class 56 Rating, Add	1,814.51	
40 05 19 00-2176 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,122.66	620.33
For Class 52 Rating, Deduct	-680.10	
For Class 54 Rating, Add	938.69	
For Class 55 Rating, Add	1,401.32	
For Class 56 Rating, Add	1,857.75	
40 05 19 00-2177 EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,275.81	625.25
For Class 52 Rating, Deduct	-696.13	
For Class 54 Rating, Add	960.64	
For Class 55 Rating, Add	1,433.98	
For Class 56 Rating, Add	1,901.00	
40 05 19 00-2178 EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,428.95	630.17
For Class 52 Rating, Deduct	-712.16	
For Class 54 Rating, Add	982.58	
For Class 55 Rating, Add	1,466.65	
For Class 56 Rating, Add	1,944.25	
40 05 19 00-2179 EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,582.10	635.10
For Class 52 Rating, Deduct	-728.18	
For Class 54 Rating, Add	1,004.52	
For Class 55 Rating, Add	1,499.32	
For Class 56 Rating, Add	1,987.49	
40 05 19 00-2180 EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,735.25	640.02
For Class 52 Rating, Deduct	-744.21	
For Class 54 Rating, Add	1,026.46	
For Class 55 Rating, Add	1,531.98	
For Class 56 Rating, Add	2,030.74	
40 05 19 00-2181 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-2060)</small>		
40 05 19 00-2182 EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,409.90	551.40
For Class 52 Rating, Deduct	-173.19	
For Class 54 Rating, Add	246.19	
For Class 55 Rating, Add	371.15	
For Class 56 Rating, Add	494.54	
40 05 19 00-2183 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,606.50	556.32
For Class 52 Rating, Deduct	-193.99	
For Class 54 Rating, Add	274.65	
For Class 55 Rating, Add	413.51	
For Class 56 Rating, Add	550.60	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2184	EA		10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,803.10	561.25
			<i>For Class 52 Rating, Deduct</i>	-214.80	
			<i>For Class 54 Rating, Add</i>	303.11	
			<i>For Class 55 Rating, Add</i>	455.87	
			<i>For Class 56 Rating, Add</i>	606.67	
40 05 19 00-2185	EA		10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,999.69	566.17
			<i>For Class 52 Rating, Deduct</i>	-235.60	
			<i>For Class 54 Rating, Add</i>	331.57	
			<i>For Class 55 Rating, Add</i>	498.22	
			<i>For Class 56 Rating, Add</i>	662.73	
40 05 19 00-2186	EA		10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,196.30	571.10
			<i>For Class 52 Rating, Deduct</i>	-256.41	
			<i>For Class 54 Rating, Add</i>	360.03	
			<i>For Class 55 Rating, Add</i>	540.58	
			<i>For Class 56 Rating, Add</i>	718.80	
40 05 19 00-2187	EA		10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,392.89	576.01
			<i>For Class 52 Rating, Deduct</i>	-277.22	
			<i>For Class 54 Rating, Add</i>	388.49	
			<i>For Class 55 Rating, Add</i>	582.94	
			<i>For Class 56 Rating, Add</i>	774.86	
40 05 19 00-2188	EA		10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,589.49	580.94
			<i>For Class 52 Rating, Deduct</i>	-298.02	
			<i>For Class 54 Rating, Add</i>	416.95	
			<i>For Class 55 Rating, Add</i>	625.29	
			<i>For Class 56 Rating, Add</i>	830.93	
40 05 19 00-2189	EA		10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,786.08	585.87
			<i>For Class 52 Rating, Deduct</i>	-318.83	
			<i>For Class 54 Rating, Add</i>	445.41	
			<i>For Class 55 Rating, Add</i>	667.65	
			<i>For Class 56 Rating, Add</i>	886.99	
40 05 19 00-2190	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,982.68	590.78
			<i>For Class 52 Rating, Deduct</i>	-339.63	
			<i>For Class 54 Rating, Add</i>	473.87	
			<i>For Class 55 Rating, Add</i>	710.01	
			<i>For Class 56 Rating, Add</i>	943.05	
40 05 19 00-2191	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,179.28	595.71
			<i>For Class 52 Rating, Deduct</i>	-360.44	
			<i>For Class 54 Rating, Add</i>	502.33	
			<i>For Class 55 Rating, Add</i>	752.36	
			<i>For Class 56 Rating, Add</i>	999.12	
40 05 19 00-2192	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,375.88	600.63
			<i>For Class 52 Rating, Deduct</i>	-381.24	
			<i>For Class 54 Rating, Add</i>	530.80	
			<i>For Class 55 Rating, Add</i>	794.72	
			<i>For Class 56 Rating, Add</i>	1,055.18	
40 05 19 00-2193	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,572.48	605.56
			<i>For Class 52 Rating, Deduct</i>	-402.05	
			<i>For Class 54 Rating, Add</i>	559.26	
			<i>For Class 55 Rating, Add</i>	837.08	
			<i>For Class 56 Rating, Add</i>	1,111.25	
40 05 19 00-2194	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,769.07	610.48
			<i>For Class 52 Rating, Deduct</i>	-422.85	
			<i>For Class 54 Rating, Add</i>	587.71	
			<i>For Class 55 Rating, Add</i>	879.43	
			<i>For Class 56 Rating, Add</i>	1,167.31	
40 05 19 00-2195	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,965.67	615.40
			<i>For Class 52 Rating, Deduct</i>	-443.66	
			<i>For Class 54 Rating, Add</i>	616.18	
			<i>For Class 55 Rating, Add</i>	921.79	
			<i>For Class 56 Rating, Add</i>	1,223.37	
40 05 19 00-2196	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,162.27	620.33
			<i>For Class 52 Rating, Deduct</i>	-464.46	
			<i>For Class 54 Rating, Add</i>	644.64	
			<i>For Class 55 Rating, Add</i>	964.15	
			<i>For Class 56 Rating, Add</i>	1,279.44	
40 05 19 00-2197	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,358.87	625.25
			<i>For Class 52 Rating, Deduct</i>	-485.27	
			<i>For Class 54 Rating, Add</i>	673.10	
			<i>For Class 55 Rating, Add</i>	1,006.51	
			<i>For Class 56 Rating, Add</i>	1,335.50	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2198 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,555.46	630.17
<i>For Class 52 Rating, Deduct</i>	-506.07	
<i>For Class 54 Rating, Add</i>	701.56	
<i>For Class 55 Rating, Add</i>	1,048.86	
<i>For Class 56 Rating, Add</i>	1,391.57	
40 05 19 00-2199 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,752.06	635.10
<i>For Class 52 Rating, Deduct</i>	-526.88	
<i>For Class 54 Rating, Add</i>	730.02	
<i>For Class 55 Rating, Add</i>	1,091.22	
<i>For Class 56 Rating, Add</i>	1,447.63	
40 05 19 00-2200 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,948.66	640.02
<i>For Class 52 Rating, Deduct</i>	-547.68	
<i>For Class 54 Rating, Add</i>	758.48	
<i>For Class 55 Rating, Add</i>	1,133.57	
<i>For Class 56 Rating, Add</i>	1,503.69	
40 05 19 00-2201 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,145.25	644.94
<i>For Class 52 Rating, Deduct</i>	-568.49	
<i>For Class 54 Rating, Add</i>	786.94	
<i>For Class 55 Rating, Add</i>	1,175.93	
<i>For Class 56 Rating, Add</i>	1,559.76	
40 05 19 00-2202 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,341.86	649.86
<i>For Class 52 Rating, Deduct</i>	-589.29	
<i>For Class 54 Rating, Add</i>	815.40	
<i>For Class 55 Rating, Add</i>	1,218.29	
<i>For Class 56 Rating, Add</i>	1,615.82	
40 05 19 00-2203 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,538.45	654.79
<i>For Class 52 Rating, Deduct</i>	-610.10	
<i>For Class 54 Rating, Add</i>	843.86	
<i>For Class 55 Rating, Add</i>	1,260.65	
<i>For Class 56 Rating, Add</i>	1,671.89	
40 05 19 00-2204 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,735.05	659.72
<i>For Class 52 Rating, Deduct</i>	-630.90	
<i>For Class 54 Rating, Add</i>	872.32	
<i>For Class 55 Rating, Add</i>	1,303.00	
<i>For Class 56 Rating, Add</i>	1,727.95	
40 05 19 00-2205 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,931.64	664.63
<i>For Class 52 Rating, Deduct</i>	-651.71	
<i>For Class 54 Rating, Add</i>	900.78	
<i>For Class 55 Rating, Add</i>	1,345.36	
<i>For Class 56 Rating, Add</i>	1,784.02	
40 05 19 00-2206 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,128.24	669.56
<i>For Class 52 Rating, Deduct</i>	-672.51	
<i>For Class 54 Rating, Add</i>	929.24	
<i>For Class 55 Rating, Add</i>	1,387.72	
<i>For Class 56 Rating, Add</i>	1,840.08	
40 05 19 00-2207 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,324.85	674.48
<i>For Class 52 Rating, Deduct</i>	-693.32	
<i>For Class 54 Rating, Add</i>	957.70	
<i>For Class 55 Rating, Add</i>	1,430.07	
<i>For Class 56 Rating, Add</i>	1,896.15	
40 05 19 00-2208 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,521.44	679.41
<i>For Class 52 Rating, Deduct</i>	-714.12	
<i>For Class 54 Rating, Add</i>	986.16	
<i>For Class 55 Rating, Add</i>	1,472.43	
<i>For Class 56 Rating, Add</i>	1,952.21	
40 05 19 00-2209 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,718.03	684.32
<i>For Class 52 Rating, Deduct</i>	-734.93	
<i>For Class 54 Rating, Add</i>	1,014.62	
<i>For Class 55 Rating, Add</i>	1,514.79	
<i>For Class 56 Rating, Add</i>	2,008.27	
40 05 19 00-2210 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,914.63	689.25
<i>For Class 52 Rating, Deduct</i>	-755.73	
<i>For Class 54 Rating, Add</i>	1,043.08	
<i>For Class 55 Rating, Add</i>	1,557.14	
<i>For Class 56 Rating, Add</i>	2,064.34	
40 05 19 00-2211 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,111.23	694.18
<i>For Class 52 Rating, Deduct</i>	-776.54	
<i>For Class 54 Rating, Add</i>	1,071.54	
<i>For Class 55 Rating, Add</i>	1,599.50	
<i>For Class 56 Rating, Add</i>	2,120.40	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2212	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,307.83	699.10
			<i>For Class 52 Rating, Deduct</i>	-797.34	
			<i>For Class 54 Rating, Add</i>	1,100.00	
			<i>For Class 55 Rating, Add</i>	1,641.86	
			<i>For Class 56 Rating, Add</i>	2,176.47	
40 05 19 00-2213	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,504.43	704.02
			<i>For Class 52 Rating, Deduct</i>	-818.15	
			<i>For Class 54 Rating, Add</i>	1,128.46	
			<i>For Class 55 Rating, Add</i>	1,684.21	
			<i>For Class 56 Rating, Add</i>	2,232.53	
40 05 19 00-2214	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,701.02	708.94
			<i>For Class 52 Rating, Deduct</i>	-838.96	
			<i>For Class 54 Rating, Add</i>	1,156.92	
			<i>For Class 55 Rating, Add</i>	1,726.57	
			<i>For Class 56 Rating, Add</i>	2,288.60	
40 05 19 00-2215	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,897.62	713.87
			<i>For Class 52 Rating, Deduct</i>	-859.76	
			<i>For Class 54 Rating, Add</i>	1,185.38	
			<i>For Class 55 Rating, Add</i>	1,768.93	
			<i>For Class 56 Rating, Add</i>	2,344.66	
40 05 19 00-2216	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,094.22	718.79
			<i>For Class 52 Rating, Deduct</i>	-880.57	
			<i>For Class 54 Rating, Add</i>	1,213.84	
			<i>For Class 55 Rating, Add</i>	1,811.28	
			<i>For Class 56 Rating, Add</i>	2,400.72	
40 05 19 00-2217	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,290.81	723.71
			<i>For Class 52 Rating, Deduct</i>	-901.37	
			<i>For Class 54 Rating, Add</i>	1,242.30	
			<i>For Class 55 Rating, Add</i>	1,853.64	
			<i>For Class 56 Rating, Add</i>	2,456.79	
40 05 19 00-2218	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,487.42	728.64
			<i>For Class 52 Rating, Deduct</i>	-922.18	
			<i>For Class 54 Rating, Add</i>	1,270.76	
			<i>For Class 55 Rating, Add</i>	1,896.00	
			<i>For Class 56 Rating, Add</i>	2,512.85	
40 05 19 00-2219	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,684.01	733.56
			<i>For Class 52 Rating, Deduct</i>	-942.98	
			<i>For Class 54 Rating, Add</i>	1,299.22	
			<i>For Class 55 Rating, Add</i>	1,938.36	
			<i>For Class 56 Rating, Add</i>	2,568.92	
40 05 19 00-2220	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,880.61	738.48
			<i>For Class 52 Rating, Deduct</i>	-963.79	
			<i>For Class 54 Rating, Add</i>	1,327.68	
			<i>For Class 55 Rating, Add</i>	1,980.71	
			<i>For Class 56 Rating, Add</i>	2,624.98	
40 05 19 00-2221			12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2222	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,140.17	689.25
			<i>For Class 52 Rating, Deduct</i>	-230.54	
			<i>For Class 54 Rating, Add</i>	326.91	
			<i>For Class 55 Rating, Add</i>	492.44	
			<i>For Class 56 Rating, Add</i>	655.87	
40 05 19 00-2223	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,382.78	694.18
			<i>For Class 52 Rating, Deduct</i>	-256.41	
			<i>For Class 54 Rating, Add</i>	362.27	
			<i>For Class 55 Rating, Add</i>	545.06	
			<i>For Class 56 Rating, Add</i>	725.51	
40 05 19 00-2224	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,625.38	699.10
			<i>For Class 52 Rating, Deduct</i>	-282.28	
			<i>For Class 54 Rating, Add</i>	397.63	
			<i>For Class 55 Rating, Add</i>	597.67	
			<i>For Class 56 Rating, Add</i>	795.14	
40 05 19 00-2225	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,867.99	704.02
			<i>For Class 52 Rating, Deduct</i>	-308.14	
			<i>For Class 54 Rating, Add</i>	432.99	
			<i>For Class 55 Rating, Add</i>	650.29	
			<i>For Class 56 Rating, Add</i>	864.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2226 EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,110.58	708.94
<i>For Class 52 Rating, Deduct</i>	-334.01	
<i>For Class 54 Rating, Add</i>	468.35	
<i>For Class 55 Rating, Add</i>	702.90	
<i>For Class 56 Rating, Add</i>	934.42	
40 05 19 00-2227 EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,353.20	713.87
<i>For Class 52 Rating, Deduct</i>	-359.87	
<i>For Class 54 Rating, Add</i>	503.72	
<i>For Class 55 Rating, Add</i>	755.52	
<i>For Class 56 Rating, Add</i>	1,004.05	
40 05 19 00-2228 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,595.80	718.79
<i>For Class 52 Rating, Deduct</i>	-385.74	
<i>For Class 54 Rating, Add</i>	539.08	
<i>For Class 55 Rating, Add</i>	808.14	
<i>For Class 56 Rating, Add</i>	1,073.69	
40 05 19 00-2229 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,838.40	723.71
<i>For Class 52 Rating, Deduct</i>	-411.61	
<i>For Class 54 Rating, Add</i>	574.44	
<i>For Class 55 Rating, Add</i>	860.75	
<i>For Class 56 Rating, Add</i>	1,143.33	
40 05 19 00-2230 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,081.01	728.64
<i>For Class 52 Rating, Deduct</i>	-437.47	
<i>For Class 54 Rating, Add</i>	609.80	
<i>For Class 55 Rating, Add</i>	913.37	
<i>For Class 56 Rating, Add</i>	1,212.96	
40 05 19 00-2231 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,323.61	733.56
<i>For Class 52 Rating, Deduct</i>	-463.34	
<i>For Class 54 Rating, Add</i>	645.16	
<i>For Class 55 Rating, Add</i>	965.99	
<i>For Class 56 Rating, Add</i>	1,282.60	
40 05 19 00-2232 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,566.22	738.48
<i>For Class 52 Rating, Deduct</i>	-489.20	
<i>For Class 54 Rating, Add</i>	680.52	
<i>For Class 55 Rating, Add</i>	1,018.60	
<i>For Class 56 Rating, Add</i>	1,352.23	
40 05 19 00-2233 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,808.82	743.41
<i>For Class 52 Rating, Deduct</i>	-515.07	
<i>For Class 54 Rating, Add</i>	715.88	
<i>For Class 55 Rating, Add</i>	1,071.22	
<i>For Class 56 Rating, Add</i>	1,421.87	
40 05 19 00-2234 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,051.42	748.33
<i>For Class 52 Rating, Deduct</i>	-540.93	
<i>For Class 54 Rating, Add</i>	751.24	
<i>For Class 55 Rating, Add</i>	1,123.83	
<i>For Class 56 Rating, Add</i>	1,491.51	
40 05 19 00-2235 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,294.03	753.26
<i>For Class 52 Rating, Deduct</i>	-566.80	
<i>For Class 54 Rating, Add</i>	786.61	
<i>For Class 55 Rating, Add</i>	1,176.45	
<i>For Class 56 Rating, Add</i>	1,561.14	
40 05 19 00-2236 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,536.63	758.17
<i>For Class 52 Rating, Deduct</i>	-592.67	
<i>For Class 54 Rating, Add</i>	821.97	
<i>For Class 55 Rating, Add</i>	1,229.07	
<i>For Class 56 Rating, Add</i>	1,630.78	
40 05 19 00-2237 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,779.23	763.10
<i>For Class 52 Rating, Deduct</i>	-618.53	
<i>For Class 54 Rating, Add</i>	857.33	
<i>For Class 55 Rating, Add</i>	1,281.68	
<i>For Class 56 Rating, Add</i>	1,700.41	
40 05 19 00-2238 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,021.84	768.03
<i>For Class 52 Rating, Deduct</i>	-644.40	
<i>For Class 54 Rating, Add</i>	892.69	
<i>For Class 55 Rating, Add</i>	1,334.30	
<i>For Class 56 Rating, Add</i>	1,770.05	
40 05 19 00-2239 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,264.44	772.94
<i>For Class 52 Rating, Deduct</i>	-670.26	
<i>For Class 54 Rating, Add</i>	928.05	
<i>For Class 55 Rating, Add</i>	1,386.92	
<i>For Class 56 Rating, Add</i>	1,839.69	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2240	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,507.05	777.87
			<i>For Class 52 Rating, Deduct</i>	-696.13	
			<i>For Class 54 Rating, Add</i>	963.41	
			<i>For Class 55 Rating, Add</i>	1,439.53	
			<i>For Class 56 Rating, Add</i>	1,909.32	
40 05 19 00-2241	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,749.65	782.79
			<i>For Class 52 Rating, Deduct</i>	-722.00	
			<i>For Class 54 Rating, Add</i>	998.77	
			<i>For Class 55 Rating, Add</i>	1,492.15	
			<i>For Class 56 Rating, Add</i>	1,978.96	
40 05 19 00-2242	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,992.26	787.72
			<i>For Class 52 Rating, Deduct</i>	-747.86	
			<i>For Class 54 Rating, Add</i>	1,034.13	
			<i>For Class 55 Rating, Add</i>	1,544.77	
			<i>For Class 56 Rating, Add</i>	2,048.60	
40 05 19 00-2243	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,234.86	792.64
			<i>For Class 52 Rating, Deduct</i>	-773.73	
			<i>For Class 54 Rating, Add</i>	1,069.50	
			<i>For Class 55 Rating, Add</i>	1,597.38	
			<i>For Class 56 Rating, Add</i>	2,118.23	
40 05 19 00-2244	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,477.47	797.56
			<i>For Class 52 Rating, Deduct</i>	-799.59	
			<i>For Class 54 Rating, Add</i>	1,104.86	
			<i>For Class 55 Rating, Add</i>	1,650.00	
			<i>For Class 56 Rating, Add</i>	2,187.87	
40 05 19 00-2245	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,720.06	802.49
			<i>For Class 52 Rating, Deduct</i>	-825.46	
			<i>For Class 54 Rating, Add</i>	1,140.22	
			<i>For Class 55 Rating, Add</i>	1,702.61	
			<i>For Class 56 Rating, Add</i>	2,257.50	
40 05 19 00-2246	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,960.12	807.41
			<i>For Class 52 Rating, Deduct</i>	-851.04	
			<i>For Class 54 Rating, Add</i>	1,175.20	
			<i>For Class 55 Rating, Add</i>	1,754.66	
			<i>For Class 56 Rating, Add</i>	2,326.39	
40 05 19 00-2247	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,205.27	812.33
			<i>For Class 52 Rating, Deduct</i>	-877.19	
			<i>For Class 54 Rating, Add</i>	1,210.94	
			<i>For Class 55 Rating, Add</i>	1,807.85	
			<i>For Class 56 Rating, Add</i>	2,396.78	
40 05 19 00-2248	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,447.89	817.26
			<i>For Class 52 Rating, Deduct</i>	-903.06	
			<i>For Class 54 Rating, Add</i>	1,246.30	
			<i>For Class 55 Rating, Add</i>	1,860.46	
			<i>For Class 56 Rating, Add</i>	2,466.42	
40 05 19 00-2249	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,690.49	822.18
			<i>For Class 52 Rating, Deduct</i>	-928.92	
			<i>For Class 54 Rating, Add</i>	1,281.66	
			<i>For Class 55 Rating, Add</i>	1,913.08	
			<i>For Class 56 Rating, Add</i>	2,536.05	
40 05 19 00-2250	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,933.08	827.10
			<i>For Class 52 Rating, Deduct</i>	-954.79	
			<i>For Class 54 Rating, Add</i>	1,317.02	
			<i>For Class 55 Rating, Add</i>	1,965.69	
			<i>For Class 56 Rating, Add</i>	2,605.68	
40 05 19 00-2251	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,175.70	832.02
			<i>For Class 52 Rating, Deduct</i>	-980.66	
			<i>For Class 54 Rating, Add</i>	1,352.39	
			<i>For Class 55 Rating, Add</i>	2,018.31	
			<i>For Class 56 Rating, Add</i>	2,675.32	
40 05 19 00-2252	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,418.29	836.95
			<i>For Class 52 Rating, Deduct</i>	-1,006.52	
			<i>For Class 54 Rating, Add</i>	1,387.75	
			<i>For Class 55 Rating, Add</i>	2,070.93	
			<i>For Class 56 Rating, Add</i>	2,744.96	
40 05 19 00-2253	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,660.90	841.87
			<i>For Class 52 Rating, Deduct</i>	-1,032.39	
			<i>For Class 54 Rating, Add</i>	1,423.11	
			<i>For Class 55 Rating, Add</i>	2,123.54	
			<i>For Class 56 Rating, Add</i>	2,814.60	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-2254 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,903.50	846.79
<i>For Class 52 Rating, Deduct</i>	-1,058.25	
<i>For Class 54 Rating, Add</i>	1,458.47	
<i>For Class 55 Rating, Add</i>	2,176.16	
<i>For Class 56 Rating, Add</i>	2,884.23	
40 05 19 00-2255 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,146.11	851.72
<i>For Class 52 Rating, Deduct</i>	-1,084.12	
<i>For Class 54 Rating, Add</i>	1,493.83	
<i>For Class 55 Rating, Add</i>	2,228.78	
<i>For Class 56 Rating, Add</i>	2,953.87	
40 05 19 00-2256 EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,388.71	856.64
<i>For Class 52 Rating, Deduct</i>	-1,109.98	
<i>For Class 54 Rating, Add</i>	1,529.19	
<i>For Class 55 Rating, Add</i>	2,281.39	
<i>For Class 56 Rating, Add</i>	3,023.50	
40 05 19 00-2257 EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,631.32	861.57
<i>For Class 52 Rating, Deduct</i>	-1,135.85	
<i>For Class 54 Rating, Add</i>	1,564.55	
<i>For Class 55 Rating, Add</i>	2,334.01	
<i>For Class 56 Rating, Add</i>	3,093.14	
40 05 19 00-2258 EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,873.92	866.48
<i>For Class 52 Rating, Deduct</i>	-1,161.72	
<i>For Class 54 Rating, Add</i>	1,599.91	
<i>For Class 55 Rating, Add</i>	2,386.63	
<i>For Class 56 Rating, Add</i>	3,162.78	
40 05 19 00-2259 EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,116.53	871.41
<i>For Class 52 Rating, Deduct</i>	-1,187.58	
<i>For Class 54 Rating, Add</i>	1,635.28	
<i>For Class 55 Rating, Add</i>	2,439.24	
<i>For Class 56 Rating, Add</i>	3,232.41	
40 05 19 00-2260 EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,359.13	876.34
<i>For Class 52 Rating, Deduct</i>	-1,213.45	
<i>For Class 54 Rating, Add</i>	1,670.64	
<i>For Class 55 Rating, Add</i>	2,491.86	
<i>For Class 56 Rating, Add</i>	3,302.05	
40 05 19 00-2261 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2262 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,169.48	827.10
<i>For Class 52 Rating, Deduct</i>	-320.79	
<i>For Class 54 Rating, Add</i>	452.48	
<i>For Class 55 Rating, Add</i>	680.41	
<i>For Class 56 Rating, Add</i>	905.42	
40 05 19 00-2263 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,463.22	832.02
<i>For Class 52 Rating, Deduct</i>	-352.28	
<i>For Class 54 Rating, Add</i>	495.51	
<i>For Class 55 Rating, Add</i>	744.43	
<i>For Class 56 Rating, Add</i>	990.14	
40 05 19 00-2264 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,756.93	836.95
<i>For Class 52 Rating, Deduct</i>	-383.77	
<i>For Class 54 Rating, Add</i>	538.54	
<i>For Class 55 Rating, Add</i>	808.44	
<i>For Class 56 Rating, Add</i>	1,074.86	
40 05 19 00-2265 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,050.65	841.87
<i>For Class 52 Rating, Deduct</i>	-415.26	
<i>For Class 54 Rating, Add</i>	581.57	
<i>For Class 55 Rating, Add</i>	872.46	
<i>For Class 56 Rating, Add</i>	1,159.57	
40 05 19 00-2266 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,344.38	846.79
<i>For Class 52 Rating, Deduct</i>	-446.75	
<i>For Class 54 Rating, Add</i>	624.60	
<i>For Class 55 Rating, Add</i>	936.48	
<i>For Class 56 Rating, Add</i>	1,244.29	
40 05 19 00-2267 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,638.10	851.72
<i>For Class 52 Rating, Deduct</i>	-478.24	
<i>For Class 54 Rating, Add</i>	667.63	
<i>For Class 55 Rating, Add</i>	1,000.49	
<i>For Class 56 Rating, Add</i>	1,329.01	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2268	EA		14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,931.82	856.64
			<i>For Class 52 Rating, Deduct</i>	-509.73	
			<i>For Class 54 Rating, Add</i>	710.66	
			<i>For Class 55 Rating, Add</i>	1,064.51	
			<i>For Class 56 Rating, Add</i>	1,413.72	
40 05 19 00-2269	EA		14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,225.55	861.57
			<i>For Class 52 Rating, Deduct</i>	-541.22	
			<i>For Class 54 Rating, Add</i>	753.69	
			<i>For Class 55 Rating, Add</i>	1,128.52	
			<i>For Class 56 Rating, Add</i>	1,498.44	
40 05 19 00-2270	EA		14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,519.27	866.48
			<i>For Class 52 Rating, Deduct</i>	-572.71	
			<i>For Class 54 Rating, Add</i>	796.72	
			<i>For Class 55 Rating, Add</i>	1,192.54	
			<i>For Class 56 Rating, Add</i>	1,583.15	
40 05 19 00-2271	EA		14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,812.99	871.41
			<i>For Class 52 Rating, Deduct</i>	-604.19	
			<i>For Class 54 Rating, Add</i>	839.74	
			<i>For Class 55 Rating, Add</i>	1,256.55	
			<i>For Class 56 Rating, Add</i>	1,667.87	
40 05 19 00-2272	EA		14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,106.72	876.34
			<i>For Class 52 Rating, Deduct</i>	-635.68	
			<i>For Class 54 Rating, Add</i>	882.77	
			<i>For Class 55 Rating, Add</i>	1,320.57	
			<i>For Class 56 Rating, Add</i>	1,752.59	
40 05 19 00-2273	EA		14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,400.44	881.25
			<i>For Class 52 Rating, Deduct</i>	-667.17	
			<i>For Class 54 Rating, Add</i>	925.80	
			<i>For Class 55 Rating, Add</i>	1,384.59	
			<i>For Class 56 Rating, Add</i>	1,837.30	
40 05 19 00-2274	EA		14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,694.16	886.18
			<i>For Class 52 Rating, Deduct</i>	-698.66	
			<i>For Class 54 Rating, Add</i>	968.83	
			<i>For Class 55 Rating, Add</i>	1,448.60	
			<i>For Class 56 Rating, Add</i>	1,922.02	
40 05 19 00-2275	EA		14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,987.87	891.10
			<i>For Class 52 Rating, Deduct</i>	-730.15	
			<i>For Class 54 Rating, Add</i>	1,011.86	
			<i>For Class 55 Rating, Add</i>	1,512.62	
			<i>For Class 56 Rating, Add</i>	2,006.73	
40 05 19 00-2276	EA		14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,281.61	896.03
			<i>For Class 52 Rating, Deduct</i>	-761.64	
			<i>For Class 54 Rating, Add</i>	1,054.89	
			<i>For Class 55 Rating, Add</i>	1,576.63	
			<i>For Class 56 Rating, Add</i>	2,091.45	
40 05 19 00-2277	EA		14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,575.33	900.95
			<i>For Class 52 Rating, Deduct</i>	-793.13	
			<i>For Class 54 Rating, Add</i>	1,097.92	
			<i>For Class 55 Rating, Add</i>	1,640.65	
			<i>For Class 56 Rating, Add</i>	2,176.17	
40 05 19 00-2278	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,869.04	905.87
			<i>For Class 52 Rating, Deduct</i>	-824.62	
			<i>For Class 54 Rating, Add</i>	1,140.95	
			<i>For Class 55 Rating, Add</i>	1,704.66	
			<i>For Class 56 Rating, Add</i>	2,260.88	
40 05 19 00-2279	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,162.78	910.80
			<i>For Class 52 Rating, Deduct</i>	-856.11	
			<i>For Class 54 Rating, Add</i>	1,183.98	
			<i>For Class 55 Rating, Add</i>	1,768.68	
			<i>For Class 56 Rating, Add</i>	2,345.60	
40 05 19 00-2280	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,456.49	915.72
			<i>For Class 52 Rating, Deduct</i>	-887.59	
			<i>For Class 54 Rating, Add</i>	1,227.01	
			<i>For Class 55 Rating, Add</i>	1,832.69	
			<i>For Class 56 Rating, Add</i>	2,430.32	
40 05 19 00-2281	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,750.22	920.64
			<i>For Class 52 Rating, Deduct</i>	-919.08	
			<i>For Class 54 Rating, Add</i>	1,270.03	
			<i>For Class 55 Rating, Add</i>	1,896.71	
			<i>For Class 56 Rating, Add</i>	2,515.03	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2282 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,043.94	925.57
<i>For Class 52 Rating, Deduct</i>	-950.57	
<i>For Class 54 Rating, Add</i>	1,313.06	
<i>For Class 55 Rating, Add</i>	1,960.73	
<i>For Class 56 Rating, Add</i>	2,599.75	
40 05 19 00-2283 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,337.66	930.49
<i>For Class 52 Rating, Deduct</i>	-982.06	
<i>For Class 54 Rating, Add</i>	1,356.09	
<i>For Class 55 Rating, Add</i>	2,024.74	
<i>For Class 56 Rating, Add</i>	2,684.46	
40 05 19 00-2284 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,631.39	935.41
<i>For Class 52 Rating, Deduct</i>	-1,013.55	
<i>For Class 54 Rating, Add</i>	1,399.12	
<i>For Class 55 Rating, Add</i>	2,088.76	
<i>For Class 56 Rating, Add</i>	2,769.18	
40 05 19 00-2285 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,925.10	940.33
<i>For Class 52 Rating, Deduct</i>	-1,045.04	
<i>For Class 54 Rating, Add</i>	1,442.15	
<i>For Class 55 Rating, Add</i>	2,152.77	
<i>For Class 56 Rating, Add</i>	2,853.89	
40 05 19 00-2286 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,218.83	945.26
<i>For Class 52 Rating, Deduct</i>	-1,076.53	
<i>For Class 54 Rating, Add</i>	1,485.18	
<i>For Class 55 Rating, Add</i>	2,216.79	
<i>For Class 56 Rating, Add</i>	2,938.61	
40 05 19 00-2287 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,512.55	950.19
<i>For Class 52 Rating, Deduct</i>	-1,108.02	
<i>For Class 54 Rating, Add</i>	1,528.21	
<i>For Class 55 Rating, Add</i>	2,280.80	
<i>For Class 56 Rating, Add</i>	3,023.33	
40 05 19 00-2288 EA 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,806.27	955.10
<i>For Class 52 Rating, Deduct</i>	-1,139.51	
<i>For Class 54 Rating, Add</i>	1,571.24	
<i>For Class 55 Rating, Add</i>	2,344.82	
<i>For Class 56 Rating, Add</i>	3,108.04	
40 05 19 00-2289 EA 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,100.00	960.03
<i>For Class 52 Rating, Deduct</i>	-1,171.00	
<i>For Class 54 Rating, Add</i>	1,614.27	
<i>For Class 55 Rating, Add</i>	2,408.84	
<i>For Class 56 Rating, Add</i>	3,192.76	
40 05 19 00-2290 EA 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,393.72	964.95
<i>For Class 52 Rating, Deduct</i>	-1,202.48	
<i>For Class 54 Rating, Add</i>	1,657.30	
<i>For Class 55 Rating, Add</i>	2,472.85	
<i>For Class 56 Rating, Add</i>	3,277.48	
40 05 19 00-2291 EA 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,687.43	969.88
<i>For Class 52 Rating, Deduct</i>	-1,233.97	
<i>For Class 54 Rating, Add</i>	1,700.32	
<i>For Class 55 Rating, Add</i>	2,536.87	
<i>For Class 56 Rating, Add</i>	3,362.19	
40 05 19 00-2292 EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,981.17	974.80
<i>For Class 52 Rating, Deduct</i>	-1,265.46	
<i>For Class 54 Rating, Add</i>	1,743.35	
<i>For Class 55 Rating, Add</i>	2,600.88	
<i>For Class 56 Rating, Add</i>	3,446.91	
40 05 19 00-2293 EA 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,274.89	979.72
<i>For Class 52 Rating, Deduct</i>	-1,296.95	
<i>For Class 54 Rating, Add</i>	1,786.38	
<i>For Class 55 Rating, Add</i>	2,664.90	
<i>For Class 56 Rating, Add</i>	3,531.63	
40 05 19 00-2294 EA 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,568.60	984.65
<i>For Class 52 Rating, Deduct</i>	-1,328.44	
<i>For Class 54 Rating, Add</i>	1,829.41	
<i>For Class 55 Rating, Add</i>	2,728.91	
<i>For Class 56 Rating, Add</i>	3,616.34	
40 05 19 00-2295 EA 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,862.33	989.57
<i>For Class 52 Rating, Deduct</i>	-1,359.93	
<i>For Class 54 Rating, Add</i>	1,872.44	
<i>For Class 55 Rating, Add</i>	2,792.93	
<i>For Class 56 Rating, Add</i>	3,701.06	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2296	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,156.05	994.49
			<i>For Class 52 Rating, Deduct</i>	-1,391.42	
			<i>For Class 54 Rating, Add</i>	1,915.47	
			<i>For Class 55 Rating, Add</i>	2,856.95	
			<i>For Class 56 Rating, Add</i>	3,785.77	
40 05 19 00-2297	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,449.78	999.41
			<i>For Class 52 Rating, Deduct</i>	-1,422.91	
			<i>For Class 54 Rating, Add</i>	1,958.50	
			<i>For Class 55 Rating, Add</i>	2,920.96	
			<i>For Class 56 Rating, Add</i>	3,870.49	
40 05 19 00-2298	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,743.49	1,004.34
			<i>For Class 52 Rating, Deduct</i>	-1,454.39	
			<i>For Class 54 Rating, Add</i>	2,001.53	
			<i>For Class 55 Rating, Add</i>	2,984.98	
			<i>For Class 56 Rating, Add</i>	3,955.20	
40 05 19 00-2299	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,037.22	1,009.26
			<i>For Class 52 Rating, Deduct</i>	-1,485.88	
			<i>For Class 54 Rating, Add</i>	2,044.56	
			<i>For Class 55 Rating, Add</i>	3,048.99	
			<i>For Class 56 Rating, Add</i>	4,039.92	
40 05 19 00-2300			16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2301	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,882.70	945.26
			<i>For Class 52 Rating, Deduct</i>	-379.55	
			<i>For Class 54 Rating, Add</i>	534.76	
			<i>For Class 55 Rating, Add</i>	803.83	
			<i>For Class 56 Rating, Add</i>	1,069.45	
40 05 19 00-2302	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,222.43	950.19
			<i>For Class 52 Rating, Deduct</i>	-416.10	
			<i>For Class 54 Rating, Add</i>	584.69	
			<i>For Class 55 Rating, Add</i>	878.11	
			<i>For Class 56 Rating, Add</i>	1,167.74	
40 05 19 00-2303	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,562.16	955.10
			<i>For Class 52 Rating, Deduct</i>	-452.65	
			<i>For Class 54 Rating, Add</i>	634.62	
			<i>For Class 55 Rating, Add</i>	952.38	
			<i>For Class 56 Rating, Add</i>	1,266.03	
40 05 19 00-2304	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,901.89	960.03
			<i>For Class 52 Rating, Deduct</i>	-489.20	
			<i>For Class 54 Rating, Add</i>	684.55	
			<i>For Class 55 Rating, Add</i>	1,026.66	
			<i>For Class 56 Rating, Add</i>	1,364.32	
40 05 19 00-2305	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,241.62	964.95
			<i>For Class 52 Rating, Deduct</i>	-525.75	
			<i>For Class 54 Rating, Add</i>	734.48	
			<i>For Class 55 Rating, Add</i>	1,100.93	
			<i>For Class 56 Rating, Add</i>	1,462.61	
40 05 19 00-2306	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,581.34	969.88
			<i>For Class 52 Rating, Deduct</i>	-562.30	
			<i>For Class 54 Rating, Add</i>	784.41	
			<i>For Class 55 Rating, Add</i>	1,175.21	
			<i>For Class 56 Rating, Add</i>	1,560.89	
40 05 19 00-2307	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,921.08	974.80
			<i>For Class 52 Rating, Deduct</i>	-598.85	
			<i>For Class 54 Rating, Add</i>	834.34	
			<i>For Class 55 Rating, Add</i>	1,249.48	
			<i>For Class 56 Rating, Add</i>	1,659.18	
40 05 19 00-2308	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,260.81	979.72
			<i>For Class 52 Rating, Deduct</i>	-635.40	
			<i>For Class 54 Rating, Add</i>	884.27	
			<i>For Class 55 Rating, Add</i>	1,323.76	
			<i>For Class 56 Rating, Add</i>	1,757.47	
40 05 19 00-2309	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,600.53	984.65
			<i>For Class 52 Rating, Deduct</i>	-671.95	
			<i>For Class 54 Rating, Add</i>	934.20	
			<i>For Class 55 Rating, Add</i>	1,398.03	
			<i>For Class 56 Rating, Add</i>	1,855.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2310 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,940.27	989.57
For Class 52 Rating, Deduct	-708.50	
For Class 54 Rating, Add	984.13	
For Class 55 Rating, Add	1,472.31	
For Class 56 Rating, Add	1,954.05	
40 05 19 00-2311 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,279.99	994.49
For Class 52 Rating, Deduct	-745.05	
For Class 54 Rating, Add	1,034.06	
For Class 55 Rating, Add	1,546.58	
For Class 56 Rating, Add	2,052.34	
40 05 19 00-2312 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,619.73	999.41
For Class 52 Rating, Deduct	-781.60	
For Class 54 Rating, Add	1,083.99	
For Class 55 Rating, Add	1,620.86	
For Class 56 Rating, Add	2,150.62	
40 05 19 00-2313 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,959.45	1,004.34
For Class 52 Rating, Deduct	-818.15	
For Class 54 Rating, Add	1,133.92	
For Class 55 Rating, Add	1,695.14	
For Class 56 Rating, Add	2,248.91	
40 05 19 00-2314 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,299.18	1,009.26
For Class 52 Rating, Deduct	-854.70	
For Class 54 Rating, Add	1,183.85	
For Class 55 Rating, Add	1,769.41	
For Class 56 Rating, Add	2,347.20	
40 05 19 00-2315 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,638.92	1,014.18
For Class 52 Rating, Deduct	-891.25	
For Class 54 Rating, Add	1,233.78	
For Class 55 Rating, Add	1,843.69	
For Class 56 Rating, Add	2,445.49	
40 05 19 00-2316 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,978.64	1,019.11
For Class 52 Rating, Deduct	-927.80	
For Class 54 Rating, Add	1,283.71	
For Class 55 Rating, Add	1,917.96	
For Class 56 Rating, Add	2,543.78	
40 05 19 00-2317 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,318.37	1,024.03
For Class 52 Rating, Deduct	-964.35	
For Class 54 Rating, Add	1,333.64	
For Class 55 Rating, Add	1,992.24	
For Class 56 Rating, Add	2,642.07	
40 05 19 00-2318 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,658.10	1,028.95
For Class 52 Rating, Deduct	-1,000.90	
For Class 54 Rating, Add	1,383.57	
For Class 55 Rating, Add	2,066.51	
For Class 56 Rating, Add	2,740.35	
40 05 19 00-2319 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,997.82	1,033.88
For Class 52 Rating, Deduct	-1,037.45	
For Class 54 Rating, Add	1,433.50	
For Class 55 Rating, Add	2,140.78	
For Class 56 Rating, Add	2,838.64	
40 05 19 00-2320 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,337.55	1,038.80
For Class 52 Rating, Deduct	-1,074.00	
For Class 54 Rating, Add	1,483.43	
For Class 55 Rating, Add	2,215.06	
For Class 56 Rating, Add	2,936.93	
40 05 19 00-2321 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,677.28	1,043.73
For Class 52 Rating, Deduct	-1,110.55	
For Class 54 Rating, Add	1,533.36	
For Class 55 Rating, Add	2,289.33	
For Class 56 Rating, Add	3,035.22	
40 05 19 00-2322 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,017.01	1,048.64
For Class 52 Rating, Deduct	-1,147.10	
For Class 54 Rating, Add	1,583.29	
For Class 55 Rating, Add	2,363.61	
For Class 56 Rating, Add	3,133.50	
40 05 19 00-2323 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,356.74	1,053.57
For Class 52 Rating, Deduct	-1,183.65	
For Class 54 Rating, Add	1,633.22	
For Class 55 Rating, Add	2,437.89	
For Class 56 Rating, Add	3,231.79	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2324	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,696.47	1,058.50
			<i>For Class 52 Rating, Deduct</i>	-1,220.20	
			<i>For Class 54 Rating, Add</i>	1,683.15	
			<i>For Class 55 Rating, Add</i>	2,512.16	
			<i>For Class 56 Rating, Add</i>	3,330.08	
40 05 19 00-2325	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,036.19	1,063.41
			<i>For Class 52 Rating, Deduct</i>	-1,256.75	
			<i>For Class 54 Rating, Add</i>	1,733.08	
			<i>For Class 55 Rating, Add</i>	2,586.44	
			<i>For Class 56 Rating, Add</i>	3,428.37	
40 05 19 00-2326	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,375.93	1,068.34
			<i>For Class 52 Rating, Deduct</i>	-1,293.30	
			<i>For Class 54 Rating, Add</i>	1,783.01	
			<i>For Class 55 Rating, Add</i>	2,660.71	
			<i>For Class 56 Rating, Add</i>	3,526.66	
40 05 19 00-2327	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,715.65	1,073.26
			<i>For Class 52 Rating, Deduct</i>	-1,329.85	
			<i>For Class 54 Rating, Add</i>	1,832.94	
			<i>For Class 55 Rating, Add</i>	2,734.99	
			<i>For Class 56 Rating, Add</i>	3,624.94	
40 05 19 00-2328	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,055.39	1,078.19
			<i>For Class 52 Rating, Deduct</i>	-1,366.39	
			<i>For Class 54 Rating, Add</i>	1,882.87	
			<i>For Class 55 Rating, Add</i>	2,809.26	
			<i>For Class 56 Rating, Add</i>	3,723.23	
40 05 19 00-2329	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,395.11	1,083.11
			<i>For Class 52 Rating, Deduct</i>	-1,402.94	
			<i>For Class 54 Rating, Add</i>	1,932.80	
			<i>For Class 55 Rating, Add</i>	2,883.54	
			<i>For Class 56 Rating, Add</i>	3,821.52	
40 05 19 00-2330	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,734.84	1,088.03
			<i>For Class 52 Rating, Deduct</i>	-1,439.49	
			<i>For Class 54 Rating, Add</i>	1,982.73	
			<i>For Class 55 Rating, Add</i>	2,957.81	
			<i>For Class 56 Rating, Add</i>	3,919.81	
40 05 19 00-2331	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,074.58	1,092.96
			<i>For Class 52 Rating, Deduct</i>	-1,476.04	
			<i>For Class 54 Rating, Add</i>	2,032.66	
			<i>For Class 55 Rating, Add</i>	3,032.09	
			<i>For Class 56 Rating, Add</i>	4,018.10	
40 05 19 00-2332	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,414.30	1,097.88
			<i>For Class 52 Rating, Deduct</i>	-1,512.59	
			<i>For Class 54 Rating, Add</i>	2,082.59	
			<i>For Class 55 Rating, Add</i>	3,106.36	
			<i>For Class 56 Rating, Add</i>	4,116.38	
40 05 19 00-2333	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,754.03	1,102.80
			<i>For Class 52 Rating, Deduct</i>	-1,549.14	
			<i>For Class 54 Rating, Add</i>	2,132.52	
			<i>For Class 55 Rating, Add</i>	3,180.64	
			<i>For Class 56 Rating, Add</i>	4,214.67	
40 05 19 00-2334	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,093.76	1,107.73
			<i>For Class 52 Rating, Deduct</i>	-1,585.69	
			<i>For Class 54 Rating, Add</i>	2,182.45	
			<i>For Class 55 Rating, Add</i>	3,254.91	
			<i>For Class 56 Rating, Add</i>	4,312.96	
40 05 19 00-2335	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,433.49	1,112.65
			<i>For Class 52 Rating, Deduct</i>	-1,622.24	
			<i>For Class 54 Rating, Add</i>	2,232.38	
			<i>For Class 55 Rating, Add</i>	3,329.19	
			<i>For Class 56 Rating, Add</i>	4,411.25	
40 05 19 00-2336	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,773.22	1,117.57
			<i>For Class 52 Rating, Deduct</i>	-1,658.79	
			<i>For Class 54 Rating, Add</i>	2,282.31	
			<i>For Class 55 Rating, Add</i>	3,403.46	
			<i>For Class 56 Rating, Add</i>	4,509.54	
40 05 19 00-2337	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,112.95	1,122.49
			<i>For Class 52 Rating, Deduct</i>	-1,695.34	
			<i>For Class 54 Rating, Add</i>	2,332.24	
			<i>For Class 55 Rating, Add</i>	3,477.74	
			<i>For Class 56 Rating, Add</i>	4,607.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2338 EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,452.68	1,127.42
For Class 52 Rating, Deduct	-1,731.89	
For Class 54 Rating, Add	2,382.17	
For Class 55 Rating, Add	3,552.01	
For Class 56 Rating, Add	4,706.11	
40 05 19 00-2339 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2340 EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,678.13	1,065.39
For Class 52 Rating, Deduct	-447.03	
For Class 54 Rating, Add	628.96	
For Class 55 Rating, Add	944.99	
For Class 56 Rating, Add	1,256.97	
40 05 19 00-2341 EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,068.98	1,070.31
For Class 52 Rating, Deduct	-489.20	
For Class 54 Rating, Add	686.56	
For Class 55 Rating, Add	1,030.67	
For Class 56 Rating, Add	1,370.33	
40 05 19 00-2342 EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,459.83	1,075.23
For Class 52 Rating, Deduct	-531.38	
For Class 54 Rating, Add	744.15	
For Class 55 Rating, Add	1,116.34	
For Class 56 Rating, Add	1,483.70	
40 05 19 00-2343 EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,850.68	1,080.16
For Class 52 Rating, Deduct	-573.55	
For Class 54 Rating, Add	801.75	
For Class 55 Rating, Add	1,202.02	
For Class 56 Rating, Add	1,597.07	
40 05 19 00-2344 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,241.52	1,085.07
For Class 52 Rating, Deduct	-615.72	
For Class 54 Rating, Add	859.35	
For Class 55 Rating, Add	1,287.69	
For Class 56 Rating, Add	1,710.44	
40 05 19 00-2345 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,632.37	1,090.00
For Class 52 Rating, Deduct	-657.89	
For Class 54 Rating, Add	916.95	
For Class 55 Rating, Add	1,373.37	
For Class 56 Rating, Add	1,823.81	
40 05 19 00-2346 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,023.22	1,094.93
For Class 52 Rating, Deduct	-700.07	
For Class 54 Rating, Add	974.54	
For Class 55 Rating, Add	1,459.04	
For Class 56 Rating, Add	1,937.17	
40 05 19 00-2347 EA 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,414.06	1,099.85
For Class 52 Rating, Deduct	-742.24	
For Class 54 Rating, Add	1,032.14	
For Class 55 Rating, Add	1,544.72	
For Class 56 Rating, Add	2,050.54	
40 05 19 00-2348 EA 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,804.92	1,104.77
For Class 52 Rating, Deduct	-784.41	
For Class 54 Rating, Add	1,089.74	
For Class 55 Rating, Add	1,630.39	
For Class 56 Rating, Add	2,163.91	
40 05 19 00-2349 EA 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,195.75	1,109.69
For Class 52 Rating, Deduct	-826.58	
For Class 54 Rating, Add	1,147.34	
For Class 55 Rating, Add	1,716.06	
For Class 56 Rating, Add	2,277.28	
40 05 19 00-2350 EA 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,586.61	1,114.62
For Class 52 Rating, Deduct	-868.76	
For Class 54 Rating, Add	1,204.93	
For Class 55 Rating, Add	1,801.74	
For Class 56 Rating, Add	2,390.65	
40 05 19 00-2351 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,977.45	1,119.55
For Class 52 Rating, Deduct	-910.93	
For Class 54 Rating, Add	1,262.53	
For Class 55 Rating, Add	1,887.41	
For Class 56 Rating, Add	2,504.01	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2352	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,368.30	1,124.46
			<i>For Class 52 Rating, Deduct</i>	-953.10	
			<i>For Class 54 Rating, Add</i>	1,320.13	
			<i>For Class 55 Rating, Add</i>	1,973.09	
			<i>For Class 56 Rating, Add</i>	2,617.38	
40 05 19 00-2353	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,759.16	1,129.39
			<i>For Class 52 Rating, Deduct</i>	-995.28	
			<i>For Class 54 Rating, Add</i>	1,377.73	
			<i>For Class 55 Rating, Add</i>	2,058.76	
			<i>For Class 56 Rating, Add</i>	2,730.75	
40 05 19 00-2354	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,149.99	1,134.31
			<i>For Class 52 Rating, Deduct</i>	-1,037.45	
			<i>For Class 54 Rating, Add</i>	1,435.32	
			<i>For Class 55 Rating, Add</i>	2,144.44	
			<i>For Class 56 Rating, Add</i>	2,844.12	
40 05 19 00-2355	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,540.84	1,139.23
			<i>For Class 52 Rating, Deduct</i>	-1,079.62	
			<i>For Class 54 Rating, Add</i>	1,492.92	
			<i>For Class 55 Rating, Add</i>	2,230.11	
			<i>For Class 56 Rating, Add</i>	2,957.49	
40 05 19 00-2356	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,931.69	1,144.16
			<i>For Class 52 Rating, Deduct</i>	-1,121.79	
			<i>For Class 54 Rating, Add</i>	1,550.52	
			<i>For Class 55 Rating, Add</i>	2,315.79	
			<i>For Class 56 Rating, Add</i>	3,070.85	
40 05 19 00-2357	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,322.54	1,149.08
			<i>For Class 52 Rating, Deduct</i>	-1,163.97	
			<i>For Class 54 Rating, Add</i>	1,608.12	
			<i>For Class 55 Rating, Add</i>	2,401.46	
			<i>For Class 56 Rating, Add</i>	3,184.22	
40 05 19 00-2358	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,713.39	1,154.01
			<i>For Class 52 Rating, Deduct</i>	-1,206.14	
			<i>For Class 54 Rating, Add</i>	1,665.72	
			<i>For Class 55 Rating, Add</i>	2,487.14	
			<i>For Class 56 Rating, Add</i>	3,297.59	
40 05 19 00-2359	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,104.23	1,158.92
			<i>For Class 52 Rating, Deduct</i>	-1,248.31	
			<i>For Class 54 Rating, Add</i>	1,723.31	
			<i>For Class 55 Rating, Add</i>	2,572.81	
			<i>For Class 56 Rating, Add</i>	3,410.96	
40 05 19 00-2360	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,495.08	1,163.85
			<i>For Class 52 Rating, Deduct</i>	-1,290.48	
			<i>For Class 54 Rating, Add</i>	1,780.91	
			<i>For Class 55 Rating, Add</i>	2,658.48	
			<i>For Class 56 Rating, Add</i>	3,524.33	
40 05 19 00-2361	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,885.93	1,168.77
			<i>For Class 52 Rating, Deduct</i>	-1,332.66	
			<i>For Class 54 Rating, Add</i>	1,838.51	
			<i>For Class 55 Rating, Add</i>	2,744.16	
			<i>For Class 56 Rating, Add</i>	3,637.69	
40 05 19 00-2362	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,276.78	1,173.70
			<i>For Class 52 Rating, Deduct</i>	-1,374.83	
			<i>For Class 54 Rating, Add</i>	1,896.11	
			<i>For Class 55 Rating, Add</i>	2,829.83	
			<i>For Class 56 Rating, Add</i>	3,751.06	
40 05 19 00-2363	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,667.62	1,178.62
			<i>For Class 52 Rating, Deduct</i>	-1,417.00	
			<i>For Class 54 Rating, Add</i>	1,953.71	
			<i>For Class 55 Rating, Add</i>	2,915.51	
			<i>For Class 56 Rating, Add</i>	3,864.43	
40 05 19 00-2364	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,058.47	1,183.54
			<i>For Class 52 Rating, Deduct</i>	-1,459.17	
			<i>For Class 54 Rating, Add</i>	2,011.30	
			<i>For Class 55 Rating, Add</i>	3,001.18	
			<i>For Class 56 Rating, Add</i>	3,977.80	
40 05 19 00-2365	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,449.31	1,188.47
			<i>For Class 52 Rating, Deduct</i>	-1,501.35	
			<i>For Class 54 Rating, Add</i>	2,068.90	
			<i>For Class 55 Rating, Add</i>	3,086.86	
			<i>For Class 56 Rating, Add</i>	4,091.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2366 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,840.17	1,193.38
<i>For Class 52 Rating, Deduct</i>	-1,543.52	
<i>For Class 54 Rating, Add</i>	2,126.50	
<i>For Class 55 Rating, Add</i>	3,172.53	
<i>For Class 56 Rating, Add</i>	4,204.53	
40 05 19 00-2367 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,231.02	1,198.31
<i>For Class 52 Rating, Deduct</i>	-1,585.69	
<i>For Class 54 Rating, Add</i>	2,184.10	
<i>For Class 55 Rating, Add</i>	3,258.21	
<i>For Class 56 Rating, Add</i>	4,317.90	
40 05 19 00-2368 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,621.86	1,203.24
<i>For Class 52 Rating, Deduct</i>	-1,627.87	
<i>For Class 54 Rating, Add</i>	2,241.69	
<i>For Class 55 Rating, Add</i>	3,343.88	
<i>For Class 56 Rating, Add</i>	4,431.27	
40 05 19 00-2369 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,012.71	1,208.16
<i>For Class 52 Rating, Deduct</i>	-1,670.04	
<i>For Class 54 Rating, Add</i>	2,299.29	
<i>For Class 55 Rating, Add</i>	3,429.55	
<i>For Class 56 Rating, Add</i>	4,544.64	
40 05 19 00-2370 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,403.55	1,213.08
<i>For Class 52 Rating, Deduct</i>	-1,712.21	
<i>For Class 54 Rating, Add</i>	2,356.89	
<i>For Class 55 Rating, Add</i>	3,515.23	
<i>For Class 56 Rating, Add</i>	4,658.01	
40 05 19 00-2371 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,794.41	1,218.00
<i>For Class 52 Rating, Deduct</i>	-1,754.38	
<i>For Class 54 Rating, Add</i>	2,414.49	
<i>For Class 55 Rating, Add</i>	3,600.90	
<i>For Class 56 Rating, Add</i>	4,771.37	
40 05 19 00-2372 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,185.25	1,222.93
<i>For Class 52 Rating, Deduct</i>	-1,796.56	
<i>For Class 54 Rating, Add</i>	2,472.08	
<i>For Class 55 Rating, Add</i>	3,686.58	
<i>For Class 56 Rating, Add</i>	4,884.74	
40 05 19 00-2373 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,576.10	1,227.86
<i>For Class 52 Rating, Deduct</i>	-1,838.73	
<i>For Class 54 Rating, Add</i>	2,529.68	
<i>For Class 55 Rating, Add</i>	3,772.25	
<i>For Class 56 Rating, Add</i>	4,998.11	
40 05 19 00-2374 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,966.95	1,232.77
<i>For Class 52 Rating, Deduct</i>	-1,880.90	
<i>For Class 54 Rating, Add</i>	2,587.28	
<i>For Class 55 Rating, Add</i>	3,857.93	
<i>For Class 56 Rating, Add</i>	5,111.48	
40 05 19 00-2375 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,357.79	1,237.70
<i>For Class 52 Rating, Deduct</i>	-1,923.07	
<i>For Class 54 Rating, Add</i>	2,644.88	
<i>For Class 55 Rating, Add</i>	3,943.60	
<i>For Class 56 Rating, Add</i>	5,224.85	
40 05 19 00-2376 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,748.64	1,242.62
<i>For Class 52 Rating, Deduct</i>	-1,965.25	
<i>For Class 54 Rating, Add</i>	2,702.48	
<i>For Class 55 Rating, Add</i>	4,029.28	
<i>For Class 56 Rating, Add</i>	5,338.21	
40 05 19 00-2377 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,139.49	1,247.55
<i>For Class 52 Rating, Deduct</i>	-2,007.42	
<i>For Class 54 Rating, Add</i>	2,760.07	
<i>For Class 55 Rating, Add</i>	4,114.95	
<i>For Class 56 Rating, Add</i>	5,451.58	
40 05 19 00-2378 20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-2060)</small>		
40 05 19 00-2379 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,634.83	1,216.04
<i>For Class 52 Rating, Deduct</i>	-527.16	
<i>For Class 54 Rating, Add</i>	740.96	
<i>For Class 55 Rating, Add</i>	1,112.91	
<i>For Class 56 Rating, Add</i>	1,480.07	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2380	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,079.35	1,220.96
			<i>For Class 52 Rating, Deduct</i>	-575.24	
			<i>For Class 54 Rating, Add</i>	806.61	
			<i>For Class 55 Rating, Add</i>	1,210.56	
			<i>For Class 56 Rating, Add</i>	1,609.27	
40 05 19 00-2381	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,523.87	1,225.88
			<i>For Class 52 Rating, Deduct</i>	-623.31	
			<i>For Class 54 Rating, Add</i>	872.26	
			<i>For Class 55 Rating, Add</i>	1,308.20	
			<i>For Class 56 Rating, Add</i>	1,738.48	
40 05 19 00-2382	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,968.39	1,230.80
			<i>For Class 52 Rating, Deduct</i>	-671.39	
			<i>For Class 54 Rating, Add</i>	937.91	
			<i>For Class 55 Rating, Add</i>	1,405.85	
			<i>For Class 56 Rating, Add</i>	1,867.68	
40 05 19 00-2383	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,412.92	1,235.73
			<i>For Class 52 Rating, Deduct</i>	-719.47	
			<i>For Class 54 Rating, Add</i>	1,003.56	
			<i>For Class 55 Rating, Add</i>	1,503.49	
			<i>For Class 56 Rating, Add</i>	1,996.88	
40 05 19 00-2384	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,857.44	1,240.66
			<i>For Class 52 Rating, Deduct</i>	-767.54	
			<i>For Class 54 Rating, Add</i>	1,069.21	
			<i>For Class 55 Rating, Add</i>	1,601.13	
			<i>For Class 56 Rating, Add</i>	2,126.08	
40 05 19 00-2385	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,301.95	1,245.57
			<i>For Class 52 Rating, Deduct</i>	-815.62	
			<i>For Class 54 Rating, Add</i>	1,134.85	
			<i>For Class 55 Rating, Add</i>	1,698.78	
			<i>For Class 56 Rating, Add</i>	2,255.28	
40 05 19 00-2386	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,746.49	1,250.50
			<i>For Class 52 Rating, Deduct</i>	-863.70	
			<i>For Class 54 Rating, Add</i>	1,200.50	
			<i>For Class 55 Rating, Add</i>	1,796.42	
			<i>For Class 56 Rating, Add</i>	2,384.49	
40 05 19 00-2387	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,191.00	1,255.42
			<i>For Class 52 Rating, Deduct</i>	-911.77	
			<i>For Class 54 Rating, Add</i>	1,266.15	
			<i>For Class 55 Rating, Add</i>	1,894.07	
			<i>For Class 56 Rating, Add</i>	2,513.69	
40 05 19 00-2388	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,635.53	1,260.35
			<i>For Class 52 Rating, Deduct</i>	-959.85	
			<i>For Class 54 Rating, Add</i>	1,331.80	
			<i>For Class 55 Rating, Add</i>	1,991.71	
			<i>For Class 56 Rating, Add</i>	2,642.89	
40 05 19 00-2389	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,080.04	1,265.27
			<i>For Class 52 Rating, Deduct</i>	-1,007.93	
			<i>For Class 54 Rating, Add</i>	1,397.45	
			<i>For Class 55 Rating, Add</i>	2,089.35	
			<i>For Class 56 Rating, Add</i>	2,772.09	
40 05 19 00-2390	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,524.57	1,270.19
			<i>For Class 52 Rating, Deduct</i>	-1,056.00	
			<i>For Class 54 Rating, Add</i>	1,463.10	
			<i>For Class 55 Rating, Add</i>	2,187.00	
			<i>For Class 56 Rating, Add</i>	2,901.29	
40 05 19 00-2391	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,969.10	1,275.12
			<i>For Class 52 Rating, Deduct</i>	-1,104.08	
			<i>For Class 54 Rating, Add</i>	1,528.75	
			<i>For Class 55 Rating, Add</i>	2,284.64	
			<i>For Class 56 Rating, Add</i>	3,030.50	
40 05 19 00-2392	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,413.61	1,280.04
			<i>For Class 52 Rating, Deduct</i>	-1,152.16	
			<i>For Class 54 Rating, Add</i>	1,594.40	
			<i>For Class 55 Rating, Add</i>	2,382.28	
			<i>For Class 56 Rating, Add</i>	3,159.70	
40 05 19 00-2393	EA		20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,858.13	1,284.96
			<i>For Class 52 Rating, Deduct</i>	-1,200.23	
			<i>For Class 54 Rating, Add</i>	1,660.05	
			<i>For Class 55 Rating, Add</i>	2,479.93	
			<i>For Class 56 Rating, Add</i>	3,288.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2394 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,302.65	1,289.89
<i>For Class 52 Rating, Deduct</i>	-1,248.31	
<i>For Class 54 Rating, Add</i>	1,725.69	
<i>For Class 55 Rating, Add</i>	2,577.57	
<i>For Class 56 Rating, Add</i>	3,418.10	
40 05 19 00-2395 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,747.18	1,294.81
<i>For Class 52 Rating, Deduct</i>	-1,296.39	
<i>For Class 54 Rating, Add</i>	1,791.34	
<i>For Class 55 Rating, Add</i>	2,675.22	
<i>For Class 56 Rating, Add</i>	3,547.30	
40 05 19 00-2396 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,191.70	1,299.73
<i>For Class 52 Rating, Deduct</i>	-1,344.47	
<i>For Class 54 Rating, Add</i>	1,856.99	
<i>For Class 55 Rating, Add</i>	2,772.86	
<i>For Class 56 Rating, Add</i>	3,676.51	
40 05 19 00-2397 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,636.22	1,304.65
<i>For Class 52 Rating, Deduct</i>	-1,392.54	
<i>For Class 54 Rating, Add</i>	1,922.64	
<i>For Class 55 Rating, Add</i>	2,870.50	
<i>For Class 56 Rating, Add</i>	3,805.71	
40 05 19 00-2398 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,080.74	1,309.58
<i>For Class 52 Rating, Deduct</i>	-1,440.62	
<i>For Class 54 Rating, Add</i>	1,988.29	
<i>For Class 55 Rating, Add</i>	2,968.15	
<i>For Class 56 Rating, Add</i>	3,934.91	
40 05 19 00-2399 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,525.27	1,314.50
<i>For Class 52 Rating, Deduct</i>	-1,488.70	
<i>For Class 54 Rating, Add</i>	2,053.94	
<i>For Class 55 Rating, Add</i>	3,065.79	
<i>For Class 56 Rating, Add</i>	4,064.11	
40 05 19 00-2400 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,969.79	1,319.42
<i>For Class 52 Rating, Deduct</i>	-1,536.77	
<i>For Class 54 Rating, Add</i>	2,119.59	
<i>For Class 55 Rating, Add</i>	3,163.44	
<i>For Class 56 Rating, Add</i>	4,193.31	
40 05 19 00-2401 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,414.30	1,324.35
<i>For Class 52 Rating, Deduct</i>	-1,584.85	
<i>For Class 54 Rating, Add</i>	2,185.24	
<i>For Class 55 Rating, Add</i>	3,261.08	
<i>For Class 56 Rating, Add</i>	4,322.51	
40 05 19 00-2402 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,858.83	1,329.27
<i>For Class 52 Rating, Deduct</i>	-1,632.93	
<i>For Class 54 Rating, Add</i>	2,250.89	
<i>For Class 55 Rating, Add</i>	3,358.72	
<i>For Class 56 Rating, Add</i>	4,451.72	
40 05 19 00-2403 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,303.35	1,334.20
<i>For Class 52 Rating, Deduct</i>	-1,681.00	
<i>For Class 54 Rating, Add</i>	2,316.54	
<i>For Class 55 Rating, Add</i>	3,456.37	
<i>For Class 56 Rating, Add</i>	4,580.92	
40 05 19 00-2404 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,747.88	1,339.11
<i>For Class 52 Rating, Deduct</i>	-1,729.08	
<i>For Class 54 Rating, Add</i>	2,382.18	
<i>For Class 55 Rating, Add</i>	3,554.01	
<i>For Class 56 Rating, Add</i>	4,710.12	
40 05 19 00-2405 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,192.40	1,344.04
<i>For Class 52 Rating, Deduct</i>	-1,777.16	
<i>For Class 54 Rating, Add</i>	2,447.83	
<i>For Class 55 Rating, Add</i>	3,651.66	
<i>For Class 56 Rating, Add</i>	4,839.32	
40 05 19 00-2406 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,636.91	1,348.97
<i>For Class 52 Rating, Deduct</i>	-1,825.23	
<i>For Class 54 Rating, Add</i>	2,513.48	
<i>For Class 55 Rating, Add</i>	3,749.30	
<i>For Class 56 Rating, Add</i>	4,968.52	
40 05 19 00-2407 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,081.45	1,353.88
<i>For Class 52 Rating, Deduct</i>	-1,873.31	
<i>For Class 54 Rating, Add</i>	2,579.13	
<i>For Class 55 Rating, Add</i>	3,846.94	
<i>For Class 56 Rating, Add</i>	5,097.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2408	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,525.96	1,358.81
			<i>For Class 52 Rating, Deduct</i>	-1,921.39	
			<i>For Class 54 Rating, Add</i>	2,644.78	
			<i>For Class 55 Rating, Add</i>	3,944.59	
			<i>For Class 56 Rating, Add</i>	5,226.93	
40 05 19 00-2409	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,970.48	1,363.73
			<i>For Class 52 Rating, Deduct</i>	-1,969.46	
			<i>For Class 54 Rating, Add</i>	2,710.43	
			<i>For Class 55 Rating, Add</i>	4,042.23	
			<i>For Class 56 Rating, Add</i>	5,356.13	
40 05 19 00-2410	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,415.00	1,368.66
			<i>For Class 52 Rating, Deduct</i>	-2,017.54	
			<i>For Class 54 Rating, Add</i>	2,776.08	
			<i>For Class 55 Rating, Add</i>	4,139.87	
			<i>For Class 56 Rating, Add</i>	5,485.33	
40 05 19 00-2411	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,859.52	1,373.58
			<i>For Class 52 Rating, Deduct</i>	-2,065.62	
			<i>For Class 54 Rating, Add</i>	2,841.73	
			<i>For Class 55 Rating, Add</i>	4,237.52	
			<i>For Class 56 Rating, Add</i>	5,614.53	
40 05 19 00-2412	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,304.05	1,378.50
			<i>For Class 52 Rating, Deduct</i>	-2,113.70	
			<i>For Class 54 Rating, Add</i>	2,907.38	
			<i>For Class 55 Rating, Add</i>	4,335.16	
			<i>For Class 56 Rating, Add</i>	5,743.74	
40 05 19 00-2413	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,748.57	1,383.43
			<i>For Class 52 Rating, Deduct</i>	-2,161.77	
			<i>For Class 54 Rating, Add</i>	2,973.02	
			<i>For Class 55 Rating, Add</i>	4,432.81	
			<i>For Class 56 Rating, Add</i>	5,872.94	
40 05 19 00-2414	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,193.09	1,388.35
			<i>For Class 52 Rating, Deduct</i>	-2,209.85	
			<i>For Class 54 Rating, Add</i>	3,038.67	
			<i>For Class 55 Rating, Add</i>	4,530.45	
			<i>For Class 56 Rating, Add</i>	6,002.14	
40 05 19 00-2415	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,637.61	1,393.27
			<i>For Class 52 Rating, Deduct</i>	-2,257.92	
			<i>For Class 54 Rating, Add</i>	3,104.32	
			<i>For Class 55 Rating, Add</i>	4,628.09	
			<i>For Class 56 Rating, Add</i>	6,131.34	
40 05 19 00-2416	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,082.14	1,398.20
			<i>For Class 52 Rating, Deduct</i>	-2,306.00	
			<i>For Class 54 Rating, Add</i>	3,169.97	
			<i>For Class 55 Rating, Add</i>	4,725.74	
			<i>For Class 56 Rating, Add</i>	6,260.54	

40 05 19 00-2417 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)

40 05 19 00-2418	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,159.00	1,437.58
			<i>For Class 52 Rating, Deduct</i>	-657.89	
			<i>For Class 54 Rating, Add</i>	923.27	
			<i>For Class 55 Rating, Add</i>	1,386.01	
			<i>For Class 56 Rating, Add</i>	1,842.76	
40 05 19 00-2419	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,708.32	1,442.51
			<i>For Class 52 Rating, Deduct</i>	-717.50	
			<i>For Class 54 Rating, Add</i>	1,004.63	
			<i>For Class 55 Rating, Add</i>	1,507.02	
			<i>For Class 56 Rating, Add</i>	2,002.88	
40 05 19 00-2420	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,257.63	1,447.42
			<i>For Class 52 Rating, Deduct</i>	-777.10	
			<i>For Class 54 Rating, Add</i>	1,086.00	
			<i>For Class 55 Rating, Add</i>	1,628.03	
			<i>For Class 56 Rating, Add</i>	2,163.00	
40 05 19 00-2421	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,806.95	1,452.35
			<i>For Class 52 Rating, Deduct</i>	-836.71	
			<i>For Class 54 Rating, Add</i>	1,167.37	
			<i>For Class 55 Rating, Add</i>	1,749.04	
			<i>For Class 56 Rating, Add</i>	2,323.11	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2422 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,356.27	1,457.28
<i>For Class 52 Rating, Deduct</i>	-896.31	
<i>For Class 54 Rating, Add</i>	1,248.74	
<i>For Class 55 Rating, Add</i>	1,870.06	
<i>For Class 56 Rating, Add</i>	2,483.23	
40 05 19 00-2423 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,905.58	1,462.19
<i>For Class 52 Rating, Deduct</i>	-955.91	
<i>For Class 54 Rating, Add</i>	1,330.10	
<i>For Class 55 Rating, Add</i>	1,991.07	
<i>For Class 56 Rating, Add</i>	2,643.34	
40 05 19 00-2424 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,454.89	1,467.12
<i>For Class 52 Rating, Deduct</i>	-1,015.52	
<i>For Class 54 Rating, Add</i>	1,411.47	
<i>For Class 55 Rating, Add</i>	2,112.08	
<i>For Class 56 Rating, Add</i>	2,803.46	
40 05 19 00-2425 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,004.21	1,472.04
<i>For Class 52 Rating, Deduct</i>	-1,075.12	
<i>For Class 54 Rating, Add</i>	1,492.84	
<i>For Class 55 Rating, Add</i>	2,233.10	
<i>For Class 56 Rating, Add</i>	2,963.58	
40 05 19 00-2426 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,553.52	1,476.97
<i>For Class 52 Rating, Deduct</i>	-1,134.73	
<i>For Class 54 Rating, Add</i>	1,574.21	
<i>For Class 55 Rating, Add</i>	2,354.11	
<i>For Class 56 Rating, Add</i>	3,123.69	
40 05 19 00-2427 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,102.84	1,481.89
<i>For Class 52 Rating, Deduct</i>	-1,194.33	
<i>For Class 54 Rating, Add</i>	1,655.58	
<i>For Class 55 Rating, Add</i>	2,475.12	
<i>For Class 56 Rating, Add</i>	3,283.81	
40 05 19 00-2428 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,652.15	1,486.81
<i>For Class 52 Rating, Deduct</i>	-1,253.93	
<i>For Class 54 Rating, Add</i>	1,736.94	
<i>For Class 55 Rating, Add</i>	2,596.13	
<i>For Class 56 Rating, Add</i>	3,443.92	
40 05 19 00-2429 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,201.46	1,491.74
<i>For Class 52 Rating, Deduct</i>	-1,313.54	
<i>For Class 54 Rating, Add</i>	1,818.31	
<i>For Class 55 Rating, Add</i>	2,717.15	
<i>For Class 56 Rating, Add</i>	3,604.04	
40 05 19 00-2430 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,750.78	1,496.66
<i>For Class 52 Rating, Deduct</i>	-1,373.14	
<i>For Class 54 Rating, Add</i>	1,899.68	
<i>For Class 55 Rating, Add</i>	2,838.16	
<i>For Class 56 Rating, Add</i>	3,764.15	
40 05 19 00-2431 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,300.10	1,501.58
<i>For Class 52 Rating, Deduct</i>	-1,432.75	
<i>For Class 54 Rating, Add</i>	1,981.05	
<i>For Class 55 Rating, Add</i>	2,959.17	
<i>For Class 56 Rating, Add</i>	3,924.27	
40 05 19 00-2432 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,849.40	1,506.51
<i>For Class 52 Rating, Deduct</i>	-1,492.35	
<i>For Class 54 Rating, Add</i>	2,062.41	
<i>For Class 55 Rating, Add</i>	3,080.18	
<i>For Class 56 Rating, Add</i>	4,084.38	
40 05 19 00-2433 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,398.73	1,511.43
<i>For Class 52 Rating, Deduct</i>	-1,551.95	
<i>For Class 54 Rating, Add</i>	2,143.78	
<i>For Class 55 Rating, Add</i>	3,201.20	
<i>For Class 56 Rating, Add</i>	4,244.50	
40 05 19 00-2434 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,948.03	1,516.36
<i>For Class 52 Rating, Deduct</i>	-1,611.56	
<i>For Class 54 Rating, Add</i>	2,225.15	
<i>For Class 55 Rating, Add</i>	3,322.21	
<i>For Class 56 Rating, Add</i>	4,404.62	
40 05 19 00-2435 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,497.36	1,521.27
<i>For Class 52 Rating, Deduct</i>	-1,671.16	
<i>For Class 54 Rating, Add</i>	2,306.52	
<i>For Class 55 Rating, Add</i>	3,443.22	
<i>For Class 56 Rating, Add</i>	4,564.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2436	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,046.66	1,526.20
			<i>For Class 52 Rating, Deduct</i>	-1,730.77	
			<i>For Class 54 Rating, Add</i>	2,387.89	
			<i>For Class 55 Rating, Add</i>	3,564.23	
			<i>For Class 56 Rating, Add</i>	4,724.85	
40 05 19 00-2437	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,595.98	1,531.13
			<i>For Class 52 Rating, Deduct</i>	-1,790.37	
			<i>For Class 54 Rating, Add</i>	2,469.25	
			<i>For Class 55 Rating, Add</i>	3,685.25	
			<i>For Class 56 Rating, Add</i>	4,884.97	
40 05 19 00-2438	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,145.30	1,536.04
			<i>For Class 52 Rating, Deduct</i>	-1,849.97	
			<i>For Class 54 Rating, Add</i>	2,550.62	
			<i>For Class 55 Rating, Add</i>	3,806.26	
			<i>For Class 56 Rating, Add</i>	5,045.08	
40 05 19 00-2439	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,694.61	1,540.97
			<i>For Class 52 Rating, Deduct</i>	-1,909.58	
			<i>For Class 54 Rating, Add</i>	2,631.99	
			<i>For Class 55 Rating, Add</i>	3,927.27	
			<i>For Class 56 Rating, Add</i>	5,205.20	
40 05 19 00-2440	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,243.92	1,545.89
			<i>For Class 52 Rating, Deduct</i>	-1,969.18	
			<i>For Class 54 Rating, Add</i>	2,713.36	
			<i>For Class 55 Rating, Add</i>	4,048.28	
			<i>For Class 56 Rating, Add</i>	5,365.31	
40 05 19 00-2441	EA		24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,793.24	1,550.82
			<i>For Class 52 Rating, Deduct</i>	-2,028.79	
			<i>For Class 54 Rating, Add</i>	2,794.72	
			<i>For Class 55 Rating, Add</i>	4,169.30	
			<i>For Class 56 Rating, Add</i>	5,525.43	
40 05 19 00-2442	EA		24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,342.55	1,555.74
			<i>For Class 52 Rating, Deduct</i>	-2,088.39	
			<i>For Class 54 Rating, Add</i>	2,876.09	
			<i>For Class 55 Rating, Add</i>	4,290.31	
			<i>For Class 56 Rating, Add</i>	5,685.54	
40 05 19 00-2443	EA		24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,891.87	1,560.66
			<i>For Class 52 Rating, Deduct</i>	-2,148.00	
			<i>For Class 54 Rating, Add</i>	2,957.46	
			<i>For Class 55 Rating, Add</i>	4,411.32	
			<i>For Class 56 Rating, Add</i>	5,845.66	
40 05 19 00-2444	EA		24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,441.18	1,565.59
			<i>For Class 52 Rating, Deduct</i>	-2,207.60	
			<i>For Class 54 Rating, Add</i>	3,038.83	
			<i>For Class 55 Rating, Add</i>	4,532.34	
			<i>For Class 56 Rating, Add</i>	6,005.77	
40 05 19 00-2445	EA		24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,990.50	1,570.51
			<i>For Class 52 Rating, Deduct</i>	-2,267.20	
			<i>For Class 54 Rating, Add</i>	3,120.20	
			<i>For Class 55 Rating, Add</i>	4,653.35	
			<i>For Class 56 Rating, Add</i>	6,165.89	
40 05 19 00-2446	EA		24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,539.81	1,575.43
			<i>For Class 52 Rating, Deduct</i>	-2,326.81	
			<i>For Class 54 Rating, Add</i>	3,201.56	
			<i>For Class 55 Rating, Add</i>	4,774.36	
			<i>For Class 56 Rating, Add</i>	6,326.01	
40 05 19 00-2447	EA		24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,215.93	1,664.05
			<i>For Class 52 Rating, Deduct</i>	-2,386.41	
			<i>For Class 54 Rating, Add</i>	3,284.45	
			<i>For Class 55 Rating, Add</i>	4,898.42	
			<i>For Class 56 Rating, Add</i>	6,490.69	
40 05 19 00-2448	EA		24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,765.25	1,668.97
			<i>For Class 52 Rating, Deduct</i>	-2,446.02	
			<i>For Class 54 Rating, Add</i>	3,365.82	
			<i>For Class 55 Rating, Add</i>	5,019.43	
			<i>For Class 56 Rating, Add</i>	6,650.80	
40 05 19 00-2449	EA		24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,314.56	1,673.90
			<i>For Class 52 Rating, Deduct</i>	-2,505.62	
			<i>For Class 54 Rating, Add</i>	3,447.19	
			<i>For Class 55 Rating, Add</i>	5,140.44	
			<i>For Class 56 Rating, Add</i>	6,810.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2450 EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,863.88	1,678.82
For Class 52 Rating, Deduct	-2,565.22	
For Class 54 Rating, Add	3,528.56	
For Class 55 Rating, Add	5,261.45	
For Class 56 Rating, Add	6,971.03	
40 05 19 00-2451 EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,413.20	1,683.74
For Class 52 Rating, Deduct	-2,624.83	
For Class 54 Rating, Add	3,609.92	
For Class 55 Rating, Add	5,382.47	
For Class 56 Rating, Add	7,131.15	
40 05 19 00-2452 EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,962.50	1,688.67
For Class 52 Rating, Deduct	-2,684.43	
For Class 54 Rating, Add	3,691.29	
For Class 55 Rating, Add	5,503.48	
For Class 56 Rating, Add	7,291.27	
40 05 19 00-2453 EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,511.83	1,693.59
For Class 52 Rating, Deduct	-2,744.04	
For Class 54 Rating, Add	3,772.66	
For Class 55 Rating, Add	5,624.49	
For Class 56 Rating, Add	7,451.38	
40 05 19 00-2454 EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,061.13	1,698.51
For Class 52 Rating, Deduct	-2,803.64	
For Class 54 Rating, Add	3,854.03	
For Class 55 Rating, Add	5,745.51	
For Class 56 Rating, Add	7,611.50	
40 05 19 00-2455 EA 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,610.45	1,703.43
For Class 52 Rating, Deduct	-2,863.24	
For Class 54 Rating, Add	3,935.40	
For Class 55 Rating, Add	5,866.52	
For Class 56 Rating, Add	7,771.61	
40 05 19 00-2456 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2457 EA 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,540.41	2,028.37
For Class 52 Rating, Deduct	-1,041.38	
For Class 54 Rating, Add	1,456.95	
For Class 55 Rating, Add	2,184.93	
For Class 56 Rating, Add	2,903.44	
40 05 19 00-2458 EA 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,324.88	2,033.29
For Class 52 Rating, Deduct	-1,126.85	
For Class 54 Rating, Add	1,573.59	
For Class 55 Rating, Add	2,358.38	
For Class 56 Rating, Add	3,132.93	
40 05 19 00-2459 EA 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,109.33	2,038.22
For Class 52 Rating, Deduct	-1,212.32	
For Class 54 Rating, Add	1,690.23	
For Class 55 Rating, Add	2,531.83	
For Class 56 Rating, Add	3,362.41	
40 05 19 00-2460 EA 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,893.80	2,043.14
For Class 52 Rating, Deduct	-1,297.79	
For Class 54 Rating, Add	1,806.87	
For Class 55 Rating, Add	2,705.28	
For Class 56 Rating, Add	3,591.89	
40 05 19 00-2461 EA 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,678.25	2,048.06
For Class 52 Rating, Deduct	-1,383.26	
For Class 54 Rating, Add	1,923.51	
For Class 55 Rating, Add	2,878.73	
For Class 56 Rating, Add	3,821.38	
40 05 19 00-2462 EA 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,462.71	2,052.98
For Class 52 Rating, Deduct	-1,468.73	
For Class 54 Rating, Add	2,040.15	
For Class 55 Rating, Add	3,052.18	
For Class 56 Rating, Add	4,050.86	
40 05 19 00-2463 EA 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,247.18	2,057.91
For Class 52 Rating, Deduct	-1,554.20	
For Class 54 Rating, Add	2,156.79	
For Class 55 Rating, Add	3,225.63	
For Class 56 Rating, Add	4,280.34	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2464	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,031.63	2,062.83
			<i>For Class 52 Rating, Deduct</i>	-1,639.67	
			<i>For Class 54 Rating, Add</i>	2,273.43	
			<i>For Class 55 Rating, Add</i>	3,399.08	
			<i>For Class 56 Rating, Add</i>	4,509.83	
40 05 19 00-2465	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,816.09	2,067.75
			<i>For Class 52 Rating, Deduct</i>	-1,725.14	
			<i>For Class 54 Rating, Add</i>	2,390.07	
			<i>For Class 55 Rating, Add</i>	3,572.53	
			<i>For Class 56 Rating, Add</i>	4,739.31	
40 05 19 00-2466	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,600.54	2,072.68
			<i>For Class 52 Rating, Deduct</i>	-1,810.61	
			<i>For Class 54 Rating, Add</i>	2,506.70	
			<i>For Class 55 Rating, Add</i>	3,745.98	
			<i>For Class 56 Rating, Add</i>	4,968.79	
40 05 19 00-2467	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,385.00	2,077.60
			<i>For Class 52 Rating, Deduct</i>	-1,896.08	
			<i>For Class 54 Rating, Add</i>	2,623.34	
			<i>For Class 55 Rating, Add</i>	3,919.43	
			<i>For Class 56 Rating, Add</i>	5,198.27	
40 05 19 00-2468	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,169.46	2,082.52
			<i>For Class 52 Rating, Deduct</i>	-1,981.55	
			<i>For Class 54 Rating, Add</i>	2,739.98	
			<i>For Class 55 Rating, Add</i>	4,092.88	
			<i>For Class 56 Rating, Add</i>	5,427.76	
40 05 19 00-2469	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,953.92	2,087.45
			<i>For Class 52 Rating, Deduct</i>	-2,067.02	
			<i>For Class 54 Rating, Add</i>	2,856.62	
			<i>For Class 55 Rating, Add</i>	4,266.33	
			<i>For Class 56 Rating, Add</i>	5,657.24	
40 05 19 00-2470	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,738.38	2,092.37
			<i>For Class 52 Rating, Deduct</i>	-2,152.49	
			<i>For Class 54 Rating, Add</i>	2,973.26	
			<i>For Class 55 Rating, Add</i>	4,439.78	
			<i>For Class 56 Rating, Add</i>	5,886.72	
40 05 19 00-2471	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,522.84	2,097.30
			<i>For Class 52 Rating, Deduct</i>	-2,237.96	
			<i>For Class 54 Rating, Add</i>	3,089.90	
			<i>For Class 55 Rating, Add</i>	4,613.23	
			<i>For Class 56 Rating, Add</i>	6,116.21	
40 05 19 00-2472	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,307.30	2,102.21
			<i>For Class 52 Rating, Deduct</i>	-2,323.43	
			<i>For Class 54 Rating, Add</i>	3,206.54	
			<i>For Class 55 Rating, Add</i>	4,786.68	
			<i>For Class 56 Rating, Add</i>	6,345.69	
40 05 19 00-2473	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,091.75	2,107.14
			<i>For Class 52 Rating, Deduct</i>	-2,408.90	
			<i>For Class 54 Rating, Add</i>	3,323.18	
			<i>For Class 55 Rating, Add</i>	4,960.13	
			<i>For Class 56 Rating, Add</i>	6,575.18	
40 05 19 00-2474	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,876.22	2,112.07
			<i>For Class 52 Rating, Deduct</i>	-2,494.37	
			<i>For Class 54 Rating, Add</i>	3,439.82	
			<i>For Class 55 Rating, Add</i>	5,133.58	
			<i>For Class 56 Rating, Add</i>	6,804.66	
40 05 19 00-2475	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,660.67	2,116.98
			<i>For Class 52 Rating, Deduct</i>	-2,579.84	
			<i>For Class 54 Rating, Add</i>	3,556.46	
			<i>For Class 55 Rating, Add</i>	5,307.03	
			<i>For Class 56 Rating, Add</i>	7,034.14	
40 05 19 00-2476	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,445.14	2,121.91
			<i>For Class 52 Rating, Deduct</i>	-2,665.31	
			<i>For Class 54 Rating, Add</i>	3,673.10	
			<i>For Class 55 Rating, Add</i>	5,480.48	
			<i>For Class 56 Rating, Add</i>	7,263.63	
40 05 19 00-2477	EA		30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,229.59	2,126.83
			<i>For Class 52 Rating, Deduct</i>	-2,750.78	
			<i>For Class 54 Rating, Add</i>	3,789.74	
			<i>For Class 55 Rating, Add</i>	5,653.93	
			<i>For Class 56 Rating, Add</i>	7,493.11	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2478 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,014.05	2,131.76
<i>For Class 52 Rating, Deduct</i>	-2,836.25	
<i>For Class 54 Rating, Add</i>	3,906.38	
<i>For Class 55 Rating, Add</i>	5,827.38	
<i>For Class 56 Rating, Add</i>	7,722.59	
40 05 19 00-2479 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,798.52	2,136.68
<i>For Class 52 Rating, Deduct</i>	-2,921.72	
<i>For Class 54 Rating, Add</i>	4,023.02	
<i>For Class 55 Rating, Add</i>	6,000.83	
<i>For Class 56 Rating, Add</i>	7,952.08	
40 05 19 00-2480 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,582.97	2,141.60
<i>For Class 52 Rating, Deduct</i>	-3,007.19	
<i>For Class 54 Rating, Add</i>	4,139.66	
<i>For Class 55 Rating, Add</i>	6,174.28	
<i>For Class 56 Rating, Add</i>	8,181.56	
40 05 19 00-2481 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,367.43	2,146.53
<i>For Class 52 Rating, Deduct</i>	-3,092.66	
<i>For Class 54 Rating, Add</i>	4,256.30	
<i>For Class 55 Rating, Add</i>	6,347.73	
<i>For Class 56 Rating, Add</i>	8,411.04	
40 05 19 00-2482 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,151.89	2,151.45
<i>For Class 52 Rating, Deduct</i>	-3,178.13	
<i>For Class 54 Rating, Add</i>	4,372.94	
<i>For Class 55 Rating, Add</i>	6,521.18	
<i>For Class 56 Rating, Add</i>	8,640.53	
40 05 19 00-2483 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,936.35	2,156.37
<i>For Class 52 Rating, Deduct</i>	-3,263.60	
<i>For Class 54 Rating, Add</i>	4,489.57	
<i>For Class 55 Rating, Add</i>	6,694.63	
<i>For Class 56 Rating, Add</i>	8,870.01	
40 05 19 00-2484 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,720.81	2,161.30
<i>For Class 52 Rating, Deduct</i>	-3,349.07	
<i>For Class 54 Rating, Add</i>	4,606.21	
<i>For Class 55 Rating, Add</i>	6,868.08	
<i>For Class 56 Rating, Add</i>	9,099.49	
40 05 19 00-2485 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,505.27	2,166.22
<i>For Class 52 Rating, Deduct</i>	-3,434.54	
<i>For Class 54 Rating, Add</i>	4,722.85	
<i>For Class 55 Rating, Add</i>	7,041.53	
<i>For Class 56 Rating, Add</i>	9,328.98	
40 05 19 00-2486 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,289.73	2,171.14
<i>For Class 52 Rating, Deduct</i>	-3,520.01	
<i>For Class 54 Rating, Add</i>	4,839.49	
<i>For Class 55 Rating, Add</i>	7,214.98	
<i>For Class 56 Rating, Add</i>	9,558.46	
40 05 19 00-2487 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,074.19	2,176.06
<i>For Class 52 Rating, Deduct</i>	-3,605.48	
<i>For Class 54 Rating, Add</i>	4,956.13	
<i>For Class 55 Rating, Add</i>	7,388.43	
<i>For Class 56 Rating, Add</i>	9,787.94	
40 05 19 00-2488 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,858.65	2,180.99
<i>For Class 52 Rating, Deduct</i>	-3,690.95	
<i>For Class 54 Rating, Add</i>	5,072.77	
<i>For Class 55 Rating, Add</i>	7,561.88	
<i>For Class 56 Rating, Add</i>	10,017.43	
40 05 19 00-2489 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,643.10	2,185.92
<i>For Class 52 Rating, Deduct</i>	-3,776.42	
<i>For Class 54 Rating, Add</i>	5,189.41	
<i>For Class 55 Rating, Add</i>	7,735.33	
<i>For Class 56 Rating, Add</i>	10,246.91	
40 05 19 00-2490 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,427.57	2,190.83
<i>For Class 52 Rating, Deduct</i>	-3,861.89	
<i>For Class 54 Rating, Add</i>	5,306.05	
<i>For Class 55 Rating, Add</i>	7,908.78	
<i>For Class 56 Rating, Add</i>	10,476.40	
40 05 19 00-2491 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,212.02	2,195.76
<i>For Class 52 Rating, Deduct</i>	-3,947.36	
<i>For Class 54 Rating, Add</i>	5,422.69	
<i>For Class 55 Rating, Add</i>	8,082.23	
<i>For Class 56 Rating, Add</i>	10,705.88	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2492			36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2493	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,391.63	2,569.92
			<i>For Class 52 Rating, Deduct</i>	-1,484.76	
			<i>For Class 54 Rating, Add</i>	2,071.40	
			<i>For Class 55 Rating, Add</i>	3,103.46	
			<i>For Class 56 Rating, Add</i>	4,122.03	
40 05 19 00-2494	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,441.91	2,574.84
			<i>For Class 52 Rating, Deduct</i>	-1,599.47	
			<i>For Class 54 Rating, Add</i>	2,227.91	
			<i>For Class 55 Rating, Add</i>	3,336.19	
			<i>For Class 56 Rating, Add</i>	4,429.93	
40 05 19 00-2495	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,492.19	2,579.77
			<i>For Class 52 Rating, Deduct</i>	-1,714.18	
			<i>For Class 54 Rating, Add</i>	2,384.42	
			<i>For Class 55 Rating, Add</i>	3,568.92	
			<i>For Class 56 Rating, Add</i>	4,737.83	
40 05 19 00-2496	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,542.46	2,584.70
			<i>For Class 52 Rating, Deduct</i>	-1,828.89	
			<i>For Class 54 Rating, Add</i>	2,540.93	
			<i>For Class 55 Rating, Add</i>	3,801.64	
			<i>For Class 56 Rating, Add</i>	5,045.73	
40 05 19 00-2497	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,592.74	2,589.61
			<i>For Class 52 Rating, Deduct</i>	-1,943.60	
			<i>For Class 54 Rating, Add</i>	2,697.45	
			<i>For Class 55 Rating, Add</i>	4,034.37	
			<i>For Class 56 Rating, Add</i>	5,353.63	
40 05 19 00-2498	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,643.01	2,594.54
			<i>For Class 52 Rating, Deduct</i>	-2,058.31	
			<i>For Class 54 Rating, Add</i>	2,853.96	
			<i>For Class 55 Rating, Add</i>	4,267.10	
			<i>For Class 56 Rating, Add</i>	5,661.53	
40 05 19 00-2499	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,693.29	2,599.46
			<i>For Class 52 Rating, Deduct</i>	-2,173.02	
			<i>For Class 54 Rating, Add</i>	3,010.47	
			<i>For Class 55 Rating, Add</i>	4,499.83	
			<i>For Class 56 Rating, Add</i>	5,969.43	
40 05 19 00-2500	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,743.56	2,604.39
			<i>For Class 52 Rating, Deduct</i>	-2,287.73	
			<i>For Class 54 Rating, Add</i>	3,166.98	
			<i>For Class 55 Rating, Add</i>	4,732.55	
			<i>For Class 56 Rating, Add</i>	6,277.33	
40 05 19 00-2501	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,793.84	2,609.31
			<i>For Class 52 Rating, Deduct</i>	-2,402.44	
			<i>For Class 54 Rating, Add</i>	3,323.49	
			<i>For Class 55 Rating, Add</i>	4,965.28	
			<i>For Class 56 Rating, Add</i>	6,585.23	
40 05 19 00-2502	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,844.11	2,614.23
			<i>For Class 52 Rating, Deduct</i>	-2,517.15	
			<i>For Class 54 Rating, Add</i>	3,480.00	
			<i>For Class 55 Rating, Add</i>	5,198.01	
			<i>For Class 56 Rating, Add</i>	6,893.12	
40 05 19 00-2503	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,894.39	2,619.16
			<i>For Class 52 Rating, Deduct</i>	-2,631.86	
			<i>For Class 54 Rating, Add</i>	3,636.52	
			<i>For Class 55 Rating, Add</i>	5,430.73	
			<i>For Class 56 Rating, Add</i>	7,201.02	
40 05 19 00-2504	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,944.66	2,624.08
			<i>For Class 52 Rating, Deduct</i>	-2,746.57	
			<i>For Class 54 Rating, Add</i>	3,793.03	
			<i>For Class 55 Rating, Add</i>	5,663.46	
			<i>For Class 56 Rating, Add</i>	7,508.92	
40 05 19 00-2505	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,994.93	2,629.00
			<i>For Class 52 Rating, Deduct</i>	-2,861.28	
			<i>For Class 54 Rating, Add</i>	3,949.54	
			<i>For Class 55 Rating, Add</i>	5,896.19	
			<i>For Class 56 Rating, Add</i>	7,816.82	
40 05 19 00-2506	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,045.21	2,633.93
			<i>For Class 52 Rating, Deduct</i>	-2,975.99	
			<i>For Class 54 Rating, Add</i>	4,106.05	
			<i>For Class 55 Rating, Add</i>	6,128.91	
			<i>For Class 56 Rating, Add</i>	8,124.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2507 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,095.48	2,638.85
For Class 52 Rating, Deduct	-3,090.70	
For Class 54 Rating, Add	4,262.56	
For Class 55 Rating, Add	6,361.64	
For Class 56 Rating, Add	8,432.62	
40 05 19 00-2508 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,145.76	2,643.77
For Class 52 Rating, Deduct	-3,205.40	
For Class 54 Rating, Add	4,419.07	
For Class 55 Rating, Add	6,594.37	
For Class 56 Rating, Add	8,740.52	
40 05 19 00-2509 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,196.03	2,648.69
For Class 52 Rating, Deduct	-3,320.11	
For Class 54 Rating, Add	4,575.59	
For Class 55 Rating, Add	6,827.09	
For Class 56 Rating, Add	9,048.42	
40 05 19 00-2510 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,246.30	2,653.62
For Class 52 Rating, Deduct	-3,434.82	
For Class 54 Rating, Add	4,732.10	
For Class 55 Rating, Add	7,059.82	
For Class 56 Rating, Add	9,356.32	
40 05 19 00-2511 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,296.59	2,658.54
For Class 52 Rating, Deduct	-3,549.53	
For Class 54 Rating, Add	4,888.61	
For Class 55 Rating, Add	7,292.55	
For Class 56 Rating, Add	9,664.22	
40 05 19 00-2512 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,346.86	2,663.46
For Class 52 Rating, Deduct	-3,664.24	
For Class 54 Rating, Add	5,045.12	
For Class 55 Rating, Add	7,525.28	
For Class 56 Rating, Add	9,972.12	
40 05 19 00-2513 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,397.13	2,668.39
For Class 52 Rating, Deduct	-3,778.95	
For Class 54 Rating, Add	5,201.63	
For Class 55 Rating, Add	7,758.00	
For Class 56 Rating, Add	10,280.01	
40 05 19 00-2514 EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,447.41	2,673.31
For Class 52 Rating, Deduct	-3,893.66	
For Class 54 Rating, Add	5,358.15	
For Class 55 Rating, Add	7,990.73	
For Class 56 Rating, Add	10,587.91	
40 05 19 00-2515 EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,497.68	2,678.24
For Class 52 Rating, Deduct	-4,008.37	
For Class 54 Rating, Add	5,514.66	
For Class 55 Rating, Add	8,223.45	
For Class 56 Rating, Add	10,895.81	
40 05 19 00-2516 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,547.96	2,683.15
For Class 52 Rating, Deduct	-4,123.08	
For Class 54 Rating, Add	5,671.17	
For Class 55 Rating, Add	8,456.18	
For Class 56 Rating, Add	11,203.71	
40 05 19 00-2517 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,598.23	2,688.08
For Class 52 Rating, Deduct	-4,237.79	
For Class 54 Rating, Add	5,827.68	
For Class 55 Rating, Add	8,688.91	
For Class 56 Rating, Add	11,511.61	
40 05 19 00-2518 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,648.51	2,693.01
For Class 52 Rating, Deduct	-4,352.50	
For Class 54 Rating, Add	5,984.19	
For Class 55 Rating, Add	8,921.64	
For Class 56 Rating, Add	11,819.51	
40 05 19 00-2519 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,698.78	2,697.92
For Class 52 Rating, Deduct	-4,467.21	
For Class 54 Rating, Add	6,140.70	
For Class 55 Rating, Add	9,154.36	
For Class 56 Rating, Add	12,127.41	
40 05 19 00-2520 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,749.06	2,702.85
For Class 52 Rating, Deduct	-4,581.92	
For Class 54 Rating, Add	6,297.22	
For Class 55 Rating, Add	9,387.09	
For Class 56 Rating, Add	12,435.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2521	EA		36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,799.32	2,707.77
			<i>For Class 52 Rating, Deduct</i>	-4,696.63	
			<i>For Class 54 Rating, Add</i>	6,453.73	
			<i>For Class 55 Rating, Add</i>	9,619.82	
			<i>For Class 56 Rating, Add</i>	12,743.21	
40 05 19 00-2522	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,849.61	2,712.70
			<i>For Class 52 Rating, Deduct</i>	-4,811.34	
			<i>For Class 54 Rating, Add</i>	6,610.24	
			<i>For Class 55 Rating, Add</i>	9,852.54	
			<i>For Class 56 Rating, Add</i>	13,051.11	
40 05 19 00-2523	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,899.87	2,717.62
			<i>For Class 52 Rating, Deduct</i>	-4,926.05	
			<i>For Class 54 Rating, Add</i>	6,766.75	
			<i>For Class 55 Rating, Add</i>	10,085.27	
			<i>For Class 56 Rating, Add</i>	13,359.00	
40 05 19 00-2524	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,950.16	2,722.54
			<i>For Class 52 Rating, Deduct</i>	-5,040.76	
			<i>For Class 54 Rating, Add</i>	6,923.26	
			<i>For Class 55 Rating, Add</i>	10,318.00	
			<i>For Class 56 Rating, Add</i>	13,666.90	
40 05 19 00-2525	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,000.43	2,727.47
			<i>For Class 52 Rating, Deduct</i>	-5,155.47	
			<i>For Class 54 Rating, Add</i>	7,079.78	
			<i>For Class 55 Rating, Add</i>	10,550.72	
			<i>For Class 56 Rating, Add</i>	13,974.80	
40 05 19 00-2526	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,050.70	2,732.39
			<i>For Class 52 Rating, Deduct</i>	-5,270.18	
			<i>For Class 54 Rating, Add</i>	7,236.29	
			<i>For Class 55 Rating, Add</i>	10,783.45	
			<i>For Class 56 Rating, Add</i>	14,282.70	
40 05 19 00-2527	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,100.99	2,737.31
			<i>For Class 52 Rating, Deduct</i>	-5,384.89	
			<i>For Class 54 Rating, Add</i>	7,392.80	
			<i>For Class 55 Rating, Add</i>	11,016.18	
			<i>For Class 56 Rating, Add</i>	14,590.60	
40 05 19 00-2528			42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2529	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,914.76	3,239.49
			<i>For Class 52 Rating, Deduct</i>	-1,980.71	
			<i>For Class 54 Rating, Add</i>	2,759.87	
			<i>For Class 55 Rating, Add</i>	4,133.24	
			<i>For Class 56 Rating, Add</i>	5,488.60	
40 05 19 00-2530	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,455.78	3,244.40
			<i>For Class 52 Rating, Deduct</i>	-2,149.40	
			<i>For Class 54 Rating, Add</i>	2,989.99	
			<i>For Class 55 Rating, Add</i>	4,475.40	
			<i>For Class 56 Rating, Add</i>	5,941.27	
40 05 19 00-2531	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,984.01	3,249.33
			<i>For Class 52 Rating, Deduct</i>	-2,316.69	
			<i>For Class 54 Rating, Add</i>	3,218.20	
			<i>For Class 55 Rating, Add</i>	4,814.71	
			<i>For Class 56 Rating, Add</i>	6,390.17	
40 05 19 00-2532	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,527.57	3,254.25
			<i>For Class 52 Rating, Deduct</i>	-2,485.66	
			<i>For Class 54 Rating, Add</i>	3,448.70	
			<i>For Class 55 Rating, Add</i>	5,157.44	
			<i>For Class 56 Rating, Add</i>	6,843.59	
40 05 19 00-2533	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,060.92	3,259.18
			<i>For Class 52 Rating, Deduct</i>	-2,653.50	
			<i>For Class 54 Rating, Add</i>	3,677.67	
			<i>For Class 55 Rating, Add</i>	5,497.89	
			<i>For Class 56 Rating, Add</i>	7,293.99	
40 05 19 00-2534	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,609.59	3,264.09
			<i>For Class 52 Rating, Deduct</i>	-2,823.04	
			<i>For Class 54 Rating, Add</i>	3,908.95	
			<i>For Class 55 Rating, Add</i>	5,841.76	
			<i>For Class 56 Rating, Add</i>	7,748.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2535 EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,142.94	3,269.02
For Class 52 Rating, Deduct	-2,990.89	
For Class 54 Rating, Add	4,137.92	
For Class 55 Rating, Add	6,182.22	
For Class 56 Rating, Add	8,199.32	
40 05 19 00-2536 EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,694.17	3,273.95
For Class 52 Rating, Deduct	-3,160.70	
For Class 54 Rating, Add	4,369.57	
For Class 55 Rating, Add	6,526.66	
For Class 56 Rating, Add	8,655.01	
40 05 19 00-2537 EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,232.63	3,278.86
For Class 52 Rating, Deduct	-3,329.11	
For Class 54 Rating, Add	4,599.31	
For Class 55 Rating, Add	6,868.25	
For Class 56 Rating, Add	9,106.92	
40 05 19 00-2538 EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,783.86	3,283.79
For Class 52 Rating, Deduct	-3,498.93	
For Class 54 Rating, Add	4,830.97	
For Class 55 Rating, Add	7,212.69	
For Class 56 Rating, Add	9,562.60	
40 05 19 00-2539 EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,322.32	3,288.71
For Class 52 Rating, Deduct	-3,667.34	
For Class 54 Rating, Add	5,060.71	
For Class 55 Rating, Add	7,554.28	
For Class 56 Rating, Add	10,014.51	
40 05 19 00-2540 EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,876.11	3,293.64
For Class 52 Rating, Deduct	-3,837.43	
For Class 54 Rating, Add	5,292.75	
For Class 55 Rating, Add	7,899.29	
For Class 56 Rating, Add	10,470.95	
40 05 19 00-2541 EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,414.57	3,298.56
For Class 52 Rating, Deduct	-4,005.84	
For Class 54 Rating, Add	5,522.49	
For Class 55 Rating, Add	8,240.88	
For Class 56 Rating, Add	10,922.86	
40 05 19 00-2542 EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,958.14	3,303.48
For Class 52 Rating, Deduct	-4,174.81	
For Class 54 Rating, Add	5,752.99	
For Class 55 Rating, Add	8,583.61	
For Class 56 Rating, Add	11,376.28	
40 05 19 00-2543 EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,509.36	3,308.41
For Class 52 Rating, Deduct	-4,344.63	
For Class 54 Rating, Add	5,984.65	
For Class 55 Rating, Add	8,928.05	
For Class 56 Rating, Add	11,831.96	
40 05 19 00-2544 EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,050.38	3,313.33
For Class 52 Rating, Deduct	-4,513.32	
For Class 54 Rating, Add	6,214.77	
For Class 55 Rating, Add	9,270.21	
For Class 56 Rating, Add	12,284.63	
40 05 19 00-2545 EA 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,609.28	3,318.25
For Class 52 Rating, Deduct	-4,683.98	
For Class 54 Rating, Add	6,447.58	
For Class 55 Rating, Add	9,616.37	
For Class 56 Rating, Add	12,742.58	
40 05 19 00-2546 EA 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,152.86	3,323.18
For Class 52 Rating, Deduct	-4,852.95	
For Class 54 Rating, Add	6,678.08	
For Class 55 Rating, Add	9,959.10	
For Class 56 Rating, Add	13,196.00	
40 05 19 00-2547 EA 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,709.20	3,328.10
For Class 52 Rating, Deduct	-5,023.33	
For Class 54 Rating, Add	6,910.50	
For Class 55 Rating, Add	10,304.68	
For Class 56 Rating, Add	13,653.19	
40 05 19 00-2548 EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,250.20	3,333.02
For Class 52 Rating, Deduct	-5,192.02	
For Class 54 Rating, Add	7,140.63	
For Class 55 Rating, Add	10,646.84	
For Class 56 Rating, Add	14,105.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2549	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,811.67	3,337.94
			<i>For Class 52 Rating, Deduct</i>	-5,362.96	
			<i>For Class 54 Rating, Add</i>	7,373.82	
			<i>For Class 55 Rating, Add</i>	10,993.56	
			<i>For Class 56 Rating, Add</i>	14,564.55	
40 05 19 00-2550	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,355.23	3,342.87
			<i>For Class 52 Rating, Deduct</i>	-5,531.93	
			<i>For Class 54 Rating, Add</i>	7,604.32	
			<i>For Class 55 Rating, Add</i>	11,336.29	
			<i>For Class 56 Rating, Add</i>	15,017.97	
40 05 19 00-2551	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,911.58	3,347.80
			<i>For Class 52 Rating, Deduct</i>	-5,702.31	
			<i>For Class 54 Rating, Add</i>	7,836.74	
			<i>For Class 55 Rating, Add</i>	11,681.87	
			<i>For Class 56 Rating, Add</i>	15,475.16	
40 05 19 00-2552	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,455.15	3,352.71
			<i>For Class 52 Rating, Deduct</i>	-5,871.28	
			<i>For Class 54 Rating, Add</i>	8,067.25	
			<i>For Class 55 Rating, Add</i>	12,024.60	
			<i>For Class 56 Rating, Add</i>	15,928.58	
40 05 19 00-2553	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,016.61	3,357.64
			<i>For Class 52 Rating, Deduct</i>	-6,042.22	
			<i>For Class 54 Rating, Add</i>	8,300.44	
			<i>For Class 55 Rating, Add</i>	12,371.33	
			<i>For Class 56 Rating, Add</i>	16,387.28	
40 05 19 00-2554	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,560.18	3,362.56
			<i>For Class 52 Rating, Deduct</i>	-6,211.19	
			<i>For Class 54 Rating, Add</i>	8,530.94	
			<i>For Class 55 Rating, Add</i>	12,714.05	
			<i>For Class 56 Rating, Add</i>	16,840.70	
40 05 19 00-2555	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,116.52	3,367.49
			<i>For Class 52 Rating, Deduct</i>	-6,381.57	
			<i>For Class 54 Rating, Add</i>	8,763.37	
			<i>For Class 55 Rating, Add</i>	13,059.64	
			<i>For Class 56 Rating, Add</i>	17,297.89	
40 05 19 00-2556	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,662.65	3,372.41
			<i>For Class 52 Rating, Deduct</i>	-6,550.82	
			<i>For Class 54 Rating, Add</i>	8,994.26	
			<i>For Class 55 Rating, Add</i>	13,402.94	
			<i>For Class 56 Rating, Add</i>	17,752.07	
40 05 19 00-2557	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,914.84	3,377.33
			<i>For Class 52 Rating, Deduct</i>	-6,687.74	
			<i>For Class 54 Rating, Add</i>	9,181.06	
			<i>For Class 55 Rating, Add</i>	13,680.69	
			<i>For Class 56 Rating, Add</i>	18,119.53	
40 05 19 00-2558	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,767.67	3,382.26
			<i>For Class 52 Rating, Deduct</i>	-6,890.73	
			<i>For Class 54 Rating, Add</i>	9,457.95	
			<i>For Class 55 Rating, Add</i>	14,092.39	
			<i>For Class 56 Rating, Add</i>	18,664.18	
40 05 19 00-2559	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,311.23	3,387.17
			<i>For Class 52 Rating, Deduct</i>	-7,059.71	
			<i>For Class 54 Rating, Add</i>	9,688.46	
			<i>For Class 55 Rating, Add</i>	14,435.12	
			<i>For Class 56 Rating, Add</i>	19,117.60	
40 05 19 00-2560	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,870.14	3,392.10
			<i>For Class 52 Rating, Deduct</i>	-7,230.36	
			<i>For Class 54 Rating, Add</i>	9,921.26	
			<i>For Class 55 Rating, Add</i>	14,781.27	
			<i>For Class 56 Rating, Add</i>	19,575.55	
40 05 19 00-2561	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,416.26	3,397.03
			<i>For Class 52 Rating, Deduct</i>	-7,399.62	
			<i>For Class 54 Rating, Add</i>	10,152.15	
			<i>For Class 55 Rating, Add</i>	15,124.57	
			<i>For Class 56 Rating, Add</i>	20,029.72	
40 05 19 00-2562	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,977.73	3,401.95
			<i>For Class 52 Rating, Deduct</i>	-7,570.56	
			<i>For Class 54 Rating, Add</i>	10,385.34	
			<i>For Class 55 Rating, Add</i>	15,471.29	
			<i>For Class 56 Rating, Add</i>	20,488.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2563 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,518.74	3,406.87
For Class 52 Rating, Deduct	-7,739.25	
For Class 54 Rating, Add	10,615.46	
For Class 55 Rating, Add	15,813.45	
For Class 56 Rating, Add	20,941.09	
40 05 19 00-2564 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2565 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,745.39	4,071.51
For Class 52 Rating, Deduct	-2,483.41	
For Class 54 Rating, Add	3,460.49	
For Class 55 Rating, Add	5,182.60	
For Class 56 Rating, Add	6,882.13	
40 05 19 00-2566 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,945.83	4,076.43
For Class 52 Rating, Deduct	-2,724.64	
For Class 54 Rating, Add	3,789.53	
For Class 55 Rating, Add	5,671.81	
For Class 56 Rating, Add	7,529.33	
40 05 19 00-2567 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,151.38	4,081.35
For Class 52 Rating, Deduct	-2,966.43	
For Class 54 Rating, Add	4,119.33	
For Class 55 Rating, Add	6,162.17	
For Class 56 Rating, Add	8,178.03	
40 05 19 00-2568 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,382.49	4,086.28
For Class 52 Rating, Deduct	-3,211.03	
For Class 54 Rating, Add	4,452.97	
For Class 55 Rating, Add	6,658.22	
For Class 56 Rating, Add	8,834.28	
40 05 19 00-2569 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,605.92	4,091.20
For Class 52 Rating, Deduct	-3,454.79	
For Class 54 Rating, Add	4,785.46	
For Class 55 Rating, Add	7,152.56	
For Class 56 Rating, Add	9,488.26	
40 05 19 00-2570 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,834.49	4,096.12
For Class 52 Rating, Deduct	-3,699.11	
For Class 54 Rating, Add	5,118.71	
For Class 55 Rating, Add	7,648.05	
For Class 56 Rating, Add	10,143.76	
40 05 19 00-2571 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,078.37	4,101.04
For Class 52 Rating, Deduct	-3,945.11	
For Class 54 Rating, Add	5,454.26	
For Class 55 Rating, Add	8,146.95	
For Class 56 Rating, Add	10,803.77	
40 05 19 00-2572 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,317.16	4,105.97
For Class 52 Rating, Deduct	-4,190.56	
For Class 54 Rating, Add	5,789.05	
For Class 55 Rating, Add	8,644.71	
For Class 56 Rating, Add	11,462.28	
40 05 19 00-2573 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,553.38	4,110.90
For Class 52 Rating, Deduct	-4,435.72	
For Class 54 Rating, Add	6,123.46	
For Class 55 Rating, Add	9,141.91	
For Class 56 Rating, Add	12,120.03	
40 05 19 00-2574 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,812.60	4,115.81
For Class 52 Rating, Deduct	-4,683.42	
For Class 54 Rating, Add	6,461.31	
For Class 55 Rating, Add	9,644.23	
For Class 56 Rating, Add	12,784.57	
40 05 19 00-2575 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,056.50	4,120.74
For Class 52 Rating, Deduct	-4,929.42	
For Class 54 Rating, Add	6,796.87	
For Class 55 Rating, Add	10,143.13	
For Class 56 Rating, Add	13,444.59	
40 05 19 00-2576 EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,318.27	4,125.66
For Class 52 Rating, Deduct	-5,177.40	
For Class 54 Rating, Add	7,135.10	
For Class 55 Rating, Add	10,646.03	
For Class 56 Rating, Add	14,109.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2577	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,567.27	4,130.59
			For Class 52 Rating, Deduct	-5,423.97	
			For Class 54 Rating, Add	7,471.42	
			For Class 55 Rating, Add	11,146.07	
			For Class 56 Rating, Add	14,771.40	
40 05 19 00-2578	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,818.83	4,135.51
			For Class 52 Rating, Deduct	-5,670.82	
			For Class 54 Rating, Add	7,808.13	
			For Class 55 Rating, Add	11,646.68	
			For Class 56 Rating, Add	15,433.68	
40 05 19 00-2579	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,085.72	4,140.43
			For Class 52 Rating, Deduct	-5,919.36	
			For Class 54 Rating, Add	8,147.13	
			For Class 55 Rating, Add	12,150.71	
			For Class 56 Rating, Add	16,100.48	
40 05 19 00-2580	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,342.39	4,145.36
			For Class 52 Rating, Deduct	-6,166.77	
			For Class 54 Rating, Add	8,484.60	
			For Class 55 Rating, Add	12,652.47	
			For Class 56 Rating, Add	16,764.27	
40 05 19 00-2581	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,596.50	4,150.27
			For Class 52 Rating, Deduct	-6,413.90	
			For Class 54 Rating, Add	8,821.69	
			For Class 55 Rating, Add	13,153.65	
			For Class 56 Rating, Add	17,427.30	
40 05 19 00-2582	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,868.51	4,155.20
			For Class 52 Rating, Deduct	-6,663.00	
			For Class 54 Rating, Add	9,161.46	
			For Class 55 Rating, Add	13,658.82	
			For Class 56 Rating, Add	18,095.61	
40 05 19 00-2583	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,127.73	4,160.13
			For Class 52 Rating, Deduct	-6,910.70	
			For Class 54 Rating, Add	9,499.32	
			For Class 55 Rating, Add	14,161.14	
			For Class 56 Rating, Add	18,760.15	
40 05 19 00-2584	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,384.40	4,165.05
			For Class 52 Rating, Deduct	-7,158.11	
			For Class 54 Rating, Add	9,836.79	
			For Class 55 Rating, Add	14,662.90	
			For Class 56 Rating, Add	19,423.93	
40 05 19 00-2585	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,658.95	4,169.97
			For Class 52 Rating, Deduct	-7,407.49	
			For Class 54 Rating, Add	10,176.94	
			For Class 55 Rating, Add	15,168.64	
			For Class 56 Rating, Add	20,092.99	
40 05 19 00-2586	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,923.30	4,174.89
			For Class 52 Rating, Deduct	-7,655.75	
			For Class 54 Rating, Add	10,515.56	
			For Class 55 Rating, Add	15,672.10	
			For Class 56 Rating, Add	20,759.04	
40 05 19 00-2587	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,182.52	4,179.82
			For Class 52 Rating, Deduct	-7,903.44	
			For Class 54 Rating, Add	10,853.42	
			For Class 55 Rating, Add	16,174.43	
			For Class 56 Rating, Add	21,423.58	
40 05 19 00-2588	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,459.64	4,184.74
			For Class 52 Rating, Deduct	-8,153.10	
			For Class 54 Rating, Add	11,193.95	
			For Class 55 Rating, Add	16,680.74	
			For Class 56 Rating, Add	22,093.40	
40 05 19 00-2589	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,723.98	4,189.66
			For Class 52 Rating, Deduct	-8,401.36	
			For Class 54 Rating, Add	11,532.58	
			For Class 55 Rating, Add	17,184.20	
			For Class 56 Rating, Add	22,759.45	
40 05 19 00-2590	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,985.75	4,194.59
			For Class 52 Rating, Deduct	-8,649.34	
			For Class 54 Rating, Add	11,870.81	
			For Class 55 Rating, Add	17,687.09	
			For Class 56 Rating, Add	23,424.74	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2591 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,265.44	4,199.51
<i>For Class 52 Rating, Deduct</i>	-8,899.28	
<i>For Class 54 Rating, Add</i>	12,211.74	
<i>For Class 55 Rating, Add</i>	18,193.98	
<i>For Class 56 Rating, Add</i>	24,095.31	
40 05 19 00-2592 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,532.32	4,204.43
<i>For Class 52 Rating, Deduct</i>	-9,147.82	
<i>For Class 54 Rating, Add</i>	12,550.74	
<i>For Class 55 Rating, Add</i>	18,698.01	
<i>For Class 56 Rating, Add</i>	24,762.11	
40 05 19 00-2593 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,533.40	4,209.35
<i>For Class 52 Rating, Deduct</i>	-9,367.11	
<i>For Class 54 Rating, Add</i>	12,849.87	
<i>For Class 55 Rating, Add</i>	19,142.76	
<i>For Class 56 Rating, Add</i>	25,350.50	
40 05 19 00-2594 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,078.89	4,214.28
<i>For Class 52 Rating, Deduct</i>	-9,646.30	
<i>For Class 54 Rating, Add</i>	13,230.67	
<i>For Class 55 Rating, Add</i>	19,708.92	
<i>For Class 56 Rating, Add</i>	26,099.49	
40 05 19 00-2595 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,343.22	4,219.21
<i>For Class 52 Rating, Deduct</i>	-9,894.55	
<i>For Class 54 Rating, Add</i>	13,569.29	
<i>For Class 55 Rating, Add</i>	20,212.38	
<i>For Class 56 Rating, Add</i>	26,765.53	
40 05 19 00-2596 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,628.02	4,224.12
<i>For Class 52 Rating, Deduct</i>	-10,145.06	
<i>For Class 54 Rating, Add</i>	13,910.98	
<i>For Class 55 Rating, Add</i>	20,720.41	
<i>For Class 56 Rating, Add</i>	27,437.61	
40 05 19 00-2597 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,892.34	4,229.05
<i>For Class 52 Rating, Deduct</i>	-10,393.32	
<i>For Class 54 Rating, Add</i>	14,249.60	
<i>For Class 55 Rating, Add</i>	21,223.87	
<i>For Class 56 Rating, Add</i>	28,103.66	
40 05 19 00-2598 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,156.68	4,233.97
<i>For Class 52 Rating, Deduct</i>	-10,641.57	
<i>For Class 54 Rating, Add</i>	14,588.22	
<i>For Class 55 Rating, Add</i>	21,727.33	
<i>For Class 56 Rating, Add</i>	28,769.71	
40 05 19 00-2599 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,444.02	4,238.90
<i>For Class 52 Rating, Deduct</i>	-10,892.36	
<i>For Class 54 Rating, Add</i>	14,930.29	
<i>For Class 55 Rating, Add</i>	22,235.93	
<i>For Class 56 Rating, Add</i>	29,442.54	
40 05 19 00-2600 Flanged End x Grooved End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-2601 4" Flanged End x Grooved End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2602 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	798.86	225.29
<i>For Class 52 Rating, Deduct</i>	-50.33	
<i>For Class 54 Rating, Add</i>	72.72	
<i>For Class 55 Rating, Add</i>	110.22	
<i>For Class 56 Rating, Add</i>	147.25	
40 05 19 00-2603 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	901.94	229.23
<i>For Class 52 Rating, Deduct</i>	-61.01	
<i>For Class 54 Rating, Add</i>	87.36	
<i>For Class 55 Rating, Add</i>	132.02	
<i>For Class 56 Rating, Add</i>	176.12	
40 05 19 00-2604 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,005.04	233.17
<i>For Class 52 Rating, Deduct</i>	-71.69	
<i>For Class 54 Rating, Add</i>	102.00	
<i>For Class 55 Rating, Add</i>	153.82	
<i>For Class 56 Rating, Add</i>	204.99	
40 05 19 00-2605 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,108.13	237.11
<i>For Class 52 Rating, Deduct</i>	-82.38	
<i>For Class 54 Rating, Add</i>	116.64	
<i>For Class 55 Rating, Add</i>	175.62	
<i>For Class 56 Rating, Add</i>	233.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2606	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,211.22	241.04
			<i>For Class 52 Rating, Deduct</i>	-93.06	
			<i>For Class 54 Rating, Add</i>	131.28	
			<i>For Class 55 Rating, Add</i>	197.43	
			<i>For Class 56 Rating, Add</i>	262.72	
40 05 19 00-2607	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,314.31	244.98
			<i>For Class 52 Rating, Deduct</i>	-103.74	
			<i>For Class 54 Rating, Add</i>	145.92	
			<i>For Class 55 Rating, Add</i>	219.23	
			<i>For Class 56 Rating, Add</i>	291.59	
40 05 19 00-2608	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,417.41	248.92
			<i>For Class 52 Rating, Deduct</i>	-114.43	
			<i>For Class 54 Rating, Add</i>	160.56	
			<i>For Class 55 Rating, Add</i>	241.03	
			<i>For Class 56 Rating, Add</i>	320.45	
40 05 19 00-2609	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,520.49	252.86
			<i>For Class 52 Rating, Deduct</i>	-125.11	
			<i>For Class 54 Rating, Add</i>	175.20	
			<i>For Class 55 Rating, Add</i>	262.83	
			<i>For Class 56 Rating, Add</i>	349.32	
40 05 19 00-2610	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,623.59	256.80
			<i>For Class 52 Rating, Deduct</i>	-135.80	
			<i>For Class 54 Rating, Add</i>	189.85	
			<i>For Class 55 Rating, Add</i>	284.63	
			<i>For Class 56 Rating, Add</i>	378.19	
40 05 19 00-2611	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,726.68	260.74
			<i>For Class 52 Rating, Deduct</i>	-146.48	
			<i>For Class 54 Rating, Add</i>	204.49	
			<i>For Class 55 Rating, Add</i>	306.43	
			<i>For Class 56 Rating, Add</i>	407.05	
40 05 19 00-2612	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,829.78	264.67
			<i>For Class 52 Rating, Deduct</i>	-157.16	
			<i>For Class 54 Rating, Add</i>	219.13	
			<i>For Class 55 Rating, Add</i>	328.24	
			<i>For Class 56 Rating, Add</i>	435.92	
40 05 19 00-2613	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,932.86	268.61
			<i>For Class 52 Rating, Deduct</i>	-167.85	
			<i>For Class 54 Rating, Add</i>	233.77	
			<i>For Class 55 Rating, Add</i>	350.04	
			<i>For Class 56 Rating, Add</i>	464.79	
40 05 19 00-2614	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,035.96	272.56
			<i>For Class 52 Rating, Deduct</i>	-178.53	
			<i>For Class 54 Rating, Add</i>	248.41	
			<i>For Class 55 Rating, Add</i>	371.84	
			<i>For Class 56 Rating, Add</i>	493.65	
40 05 19 00-2615	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,139.05	276.49
			<i>For Class 52 Rating, Deduct</i>	-189.21	
			<i>For Class 54 Rating, Add</i>	263.05	
			<i>For Class 55 Rating, Add</i>	393.64	
			<i>For Class 56 Rating, Add</i>	522.52	
40 05 19 00-2616	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,242.15	280.43
			<i>For Class 52 Rating, Deduct</i>	-199.90	
			<i>For Class 54 Rating, Add</i>	277.69	
			<i>For Class 55 Rating, Add</i>	415.45	
			<i>For Class 56 Rating, Add</i>	551.39	
40 05 19 00-2617	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,345.24	284.37
			<i>For Class 52 Rating, Deduct</i>	-210.58	
			<i>For Class 54 Rating, Add</i>	292.33	
			<i>For Class 55 Rating, Add</i>	437.25	
			<i>For Class 56 Rating, Add</i>	580.25	
40 05 19 00-2618	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,448.34	288.30
			<i>For Class 52 Rating, Deduct</i>	-221.27	
			<i>For Class 54 Rating, Add</i>	306.97	
			<i>For Class 55 Rating, Add</i>	459.05	
			<i>For Class 56 Rating, Add</i>	609.12	
40 05 19 00-2619	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,551.42	292.24
			<i>For Class 52 Rating, Deduct</i>	-231.95	
			<i>For Class 54 Rating, Add</i>	321.61	
			<i>For Class 55 Rating, Add</i>	480.85	
			<i>For Class 56 Rating, Add</i>	637.99	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2620 EA 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,654.52	296.19
<i>For Class 52 Rating, Deduct</i>	-242.63	
<i>For Class 54 Rating, Add</i>	336.25	
<i>For Class 55 Rating, Add</i>	502.65	
<i>For Class 56 Rating, Add</i>	666.85	
40 05 19 00-2621 EA 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,757.61	300.12
<i>For Class 52 Rating, Deduct</i>	-253.32	
<i>For Class 54 Rating, Add</i>	350.89	
<i>For Class 55 Rating, Add</i>	524.46	
<i>For Class 56 Rating, Add</i>	695.72	
40 05 19 00-2622 EA 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,860.71	304.06
<i>For Class 52 Rating, Deduct</i>	-264.00	
<i>For Class 54 Rating, Add</i>	365.53	
<i>For Class 55 Rating, Add</i>	546.26	
<i>For Class 56 Rating, Add</i>	724.59	
40 05 19 00-2623 EA 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,963.79	308.00
<i>For Class 52 Rating, Deduct</i>	-274.68	
<i>For Class 54 Rating, Add</i>	380.17	
<i>For Class 55 Rating, Add</i>	568.06	
<i>For Class 56 Rating, Add</i>	753.45	
40 05 19 00-2624 EA 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,066.89	311.93
<i>For Class 52 Rating, Deduct</i>	-285.37	
<i>For Class 54 Rating, Add</i>	394.81	
<i>For Class 55 Rating, Add</i>	589.86	
<i>For Class 56 Rating, Add</i>	782.32	
40 05 19 00-2625 EA 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,169.98	315.88
<i>For Class 52 Rating, Deduct</i>	-296.05	
<i>For Class 54 Rating, Add</i>	409.45	
<i>For Class 55 Rating, Add</i>	611.66	
<i>For Class 56 Rating, Add</i>	811.19	
40 05 19 00-2626 EA 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,273.07	319.82
<i>For Class 52 Rating, Deduct</i>	-306.74	
<i>For Class 54 Rating, Add</i>	424.09	
<i>For Class 55 Rating, Add</i>	633.47	
<i>For Class 56 Rating, Add</i>	840.05	
40 05 19 00-2627 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,376.16	323.75
<i>For Class 52 Rating, Deduct</i>	-317.42	
<i>For Class 54 Rating, Add</i>	438.73	
<i>For Class 55 Rating, Add</i>	655.27	
<i>For Class 56 Rating, Add</i>	868.92	
40 05 19 00-2628 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,479.26	327.69
<i>For Class 52 Rating, Deduct</i>	-328.10	
<i>For Class 54 Rating, Add</i>	453.37	
<i>For Class 55 Rating, Add</i>	677.07	
<i>For Class 56 Rating, Add</i>	897.79	
40 05 19 00-2629 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,582.34	331.63
<i>For Class 52 Rating, Deduct</i>	-338.79	
<i>For Class 54 Rating, Add</i>	468.01	
<i>For Class 55 Rating, Add</i>	698.87	
<i>For Class 56 Rating, Add</i>	926.65	
40 05 19 00-2630 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,685.44	335.57
<i>For Class 52 Rating, Deduct</i>	-349.47	
<i>For Class 54 Rating, Add</i>	482.65	
<i>For Class 55 Rating, Add</i>	720.68	
<i>For Class 56 Rating, Add</i>	955.52	
40 05 19 00-2631 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,788.53	339.51
<i>For Class 52 Rating, Deduct</i>	-360.15	
<i>For Class 54 Rating, Add</i>	497.29	
<i>For Class 55 Rating, Add</i>	742.48	
<i>For Class 56 Rating, Add</i>	984.39	
40 05 19 00-2632 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,891.63	343.45
<i>For Class 52 Rating, Deduct</i>	-370.84	
<i>For Class 54 Rating, Add</i>	511.93	
<i>For Class 55 Rating, Add</i>	764.28	
<i>For Class 56 Rating, Add</i>	1,013.26	
40 05 19 00-2633 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,994.71	347.39
<i>For Class 52 Rating, Deduct</i>	-381.52	
<i>For Class 54 Rating, Add</i>	526.57	
<i>For Class 55 Rating, Add</i>	786.08	
<i>For Class 56 Rating, Add</i>	1,042.12	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2634	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,097.82	351.32
			<i>For Class 52 Rating, Deduct</i>	-392.21	
			<i>For Class 54 Rating, Add</i>	541.21	
			<i>For Class 55 Rating, Add</i>	807.88	
			<i>For Class 56 Rating, Add</i>	1,070.99	
40 05 19 00-2635	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,200.91	355.26
			<i>For Class 52 Rating, Deduct</i>	-402.89	
			<i>For Class 54 Rating, Add</i>	555.85	
			<i>For Class 55 Rating, Add</i>	829.69	
			<i>For Class 56 Rating, Add</i>	1,099.85	
40 05 19 00-2636	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,304.00	359.21
			<i>For Class 52 Rating, Deduct</i>	-413.57	
			<i>For Class 54 Rating, Add</i>	570.49	
			<i>For Class 55 Rating, Add</i>	851.49	
			<i>For Class 56 Rating, Add</i>	1,128.72	
40 05 19 00-2637	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,407.09	363.14
			<i>For Class 52 Rating, Deduct</i>	-424.26	
			<i>For Class 54 Rating, Add</i>	585.13	
			<i>For Class 55 Rating, Add</i>	873.29	
			<i>For Class 56 Rating, Add</i>	1,157.59	
40 05 19 00-2638	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,510.19	367.08
			<i>For Class 52 Rating, Deduct</i>	-434.94	
			<i>For Class 54 Rating, Add</i>	599.78	
			<i>For Class 55 Rating, Add</i>	895.09	
			<i>For Class 56 Rating, Add</i>	1,186.46	
40 05 19 00-2639	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,587.71	371.02
			<i>For Class 52 Rating, Deduct</i>	-442.81	
			<i>For Class 54 Rating, Add</i>	610.58	
			<i>For Class 55 Rating, Add</i>	911.19	
			<i>For Class 56 Rating, Add</i>	1,207.78	
40 05 19 00-2640	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,716.37	374.95
			<i>For Class 52 Rating, Deduct</i>	-456.31	
			<i>For Class 54 Rating, Add</i>	629.06	
			<i>For Class 55 Rating, Add</i>	938.70	
			<i>For Class 56 Rating, Add</i>	1,244.19	

40 05 19 00-2641 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2600)

40 05 19 00-2642	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,030.31	283.58
			<i>For Class 52 Rating, Deduct</i>	-66.07	
			<i>For Class 54 Rating, Add</i>	95.25	
			<i>For Class 55 Rating, Add</i>	144.25	
			<i>For Class 56 Rating, Add</i>	192.66	
40 05 19 00-2643	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,148.73	287.51
			<i>For Class 52 Rating, Deduct</i>	-78.44	
			<i>For Class 54 Rating, Add</i>	112.19	
			<i>For Class 55 Rating, Add</i>	169.48	
			<i>For Class 56 Rating, Add</i>	226.05	
40 05 19 00-2644	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,267.16	291.46
			<i>For Class 52 Rating, Deduct</i>	-90.81	
			<i>For Class 54 Rating, Add</i>	129.13	
			<i>For Class 55 Rating, Add</i>	194.70	
			<i>For Class 56 Rating, Add</i>	259.44	
40 05 19 00-2645	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,385.59	295.40
			<i>For Class 52 Rating, Deduct</i>	-103.18	
			<i>For Class 54 Rating, Add</i>	146.07	
			<i>For Class 55 Rating, Add</i>	219.92	
			<i>For Class 56 Rating, Add</i>	292.83	
40 05 19 00-2646	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,504.01	299.33
			<i>For Class 52 Rating, Deduct</i>	-115.55	
			<i>For Class 54 Rating, Add</i>	163.01	
			<i>For Class 55 Rating, Add</i>	245.14	
			<i>For Class 56 Rating, Add</i>	326.22	
40 05 19 00-2647	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,622.44	303.27
			<i>For Class 52 Rating, Deduct</i>	-127.92	
			<i>For Class 54 Rating, Add</i>	179.96	
			<i>For Class 55 Rating, Add</i>	270.36	
			<i>For Class 56 Rating, Add</i>	359.61	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2648 EA 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,740.87	307.21
<i>For Class 52 Rating, Deduct</i>	-140.29	
<i>For Class 54 Rating, Add</i>	196.90	
<i>For Class 55 Rating, Add</i>	295.59	
<i>For Class 56 Rating, Add</i>	393.00	
40 05 19 00-2649 EA 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,859.29	311.14
<i>For Class 52 Rating, Deduct</i>	-152.66	
<i>For Class 54 Rating, Add</i>	213.84	
<i>For Class 55 Rating, Add</i>	320.81	
<i>For Class 56 Rating, Add</i>	426.39	
40 05 19 00-2650 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,977.72	315.09
<i>For Class 52 Rating, Deduct</i>	-165.04	
<i>For Class 54 Rating, Add</i>	230.78	
<i>For Class 55 Rating, Add</i>	346.03	
<i>For Class 56 Rating, Add</i>	459.78	
40 05 19 00-2651 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,096.16	319.03
<i>For Class 52 Rating, Deduct</i>	-177.41	
<i>For Class 54 Rating, Add</i>	247.72	
<i>For Class 55 Rating, Add</i>	371.25	
<i>For Class 56 Rating, Add</i>	493.17	
40 05 19 00-2652 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,214.59	322.96
<i>For Class 52 Rating, Deduct</i>	-189.78	
<i>For Class 54 Rating, Add</i>	264.66	
<i>For Class 55 Rating, Add</i>	396.47	
<i>For Class 56 Rating, Add</i>	526.56	
40 05 19 00-2653 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,333.01	326.90
<i>For Class 52 Rating, Deduct</i>	-202.15	
<i>For Class 54 Rating, Add</i>	281.60	
<i>For Class 55 Rating, Add</i>	421.70	
<i>For Class 56 Rating, Add</i>	559.96	
40 05 19 00-2654 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,451.44	330.84
<i>For Class 52 Rating, Deduct</i>	-214.52	
<i>For Class 54 Rating, Add</i>	298.54	
<i>For Class 55 Rating, Add</i>	446.92	
<i>For Class 56 Rating, Add</i>	593.35	
40 05 19 00-2655 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,569.87	334.78
<i>For Class 52 Rating, Deduct</i>	-226.89	
<i>For Class 54 Rating, Add</i>	315.48	
<i>For Class 55 Rating, Add</i>	472.14	
<i>For Class 56 Rating, Add</i>	626.74	
40 05 19 00-2656 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,688.30	338.72
<i>For Class 52 Rating, Deduct</i>	-239.26	
<i>For Class 54 Rating, Add</i>	332.42	
<i>For Class 55 Rating, Add</i>	497.36	
<i>For Class 56 Rating, Add</i>	660.13	
40 05 19 00-2657 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,806.73	342.66
<i>For Class 52 Rating, Deduct</i>	-251.63	
<i>For Class 54 Rating, Add</i>	349.36	
<i>For Class 55 Rating, Add</i>	522.58	
<i>For Class 56 Rating, Add</i>	693.52	
40 05 19 00-2658 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,925.16	346.59
<i>For Class 52 Rating, Deduct</i>	-264.00	
<i>For Class 54 Rating, Add</i>	366.30	
<i>For Class 55 Rating, Add</i>	547.81	
<i>For Class 56 Rating, Add</i>	726.91	
40 05 19 00-2659 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,043.58	350.53
<i>For Class 52 Rating, Deduct</i>	-276.37	
<i>For Class 54 Rating, Add</i>	383.24	
<i>For Class 55 Rating, Add</i>	573.03	
<i>For Class 56 Rating, Add</i>	760.30	
40 05 19 00-2660 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,162.01	354.47
<i>For Class 52 Rating, Deduct</i>	-288.74	
<i>For Class 54 Rating, Add</i>	400.18	
<i>For Class 55 Rating, Add</i>	598.25	
<i>For Class 56 Rating, Add</i>	793.69	
40 05 19 00-2661 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,280.44	358.41
<i>For Class 52 Rating, Deduct</i>	-301.11	
<i>For Class 54 Rating, Add</i>	417.13	
<i>For Class 55 Rating, Add</i>	623.47	
<i>For Class 56 Rating, Add</i>	827.08	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2662	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,398.87	362.35
			<i>For Class 52 Rating, Deduct</i>	-313.48	
			<i>For Class 54 Rating, Add</i>	434.07	
			<i>For Class 55 Rating, Add</i>	648.69	
			<i>For Class 56 Rating, Add</i>	860.47	
40 05 19 00-2663	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,517.29	366.29
			<i>For Class 52 Rating, Deduct</i>	-325.85	
			<i>For Class 54 Rating, Add</i>	451.01	
			<i>For Class 55 Rating, Add</i>	673.91	
			<i>For Class 56 Rating, Add</i>	893.86	
40 05 19 00-2664	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,635.72	370.22
			<i>For Class 52 Rating, Deduct</i>	-338.22	
			<i>For Class 54 Rating, Add</i>	467.95	
			<i>For Class 55 Rating, Add</i>	699.14	
			<i>For Class 56 Rating, Add</i>	927.25	
40 05 19 00-2665	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,754.15	374.16
			<i>For Class 52 Rating, Deduct</i>	-350.60	
			<i>For Class 54 Rating, Add</i>	484.89	
			<i>For Class 55 Rating, Add</i>	724.36	
			<i>For Class 56 Rating, Add</i>	960.64	
40 05 19 00-2666	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,872.57	378.11
			<i>For Class 52 Rating, Deduct</i>	-362.97	
			<i>For Class 54 Rating, Add</i>	501.83	
			<i>For Class 55 Rating, Add</i>	749.58	
			<i>For Class 56 Rating, Add</i>	994.03	
40 05 19 00-2667	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,991.00	382.04
			<i>For Class 52 Rating, Deduct</i>	-375.34	
			<i>For Class 54 Rating, Add</i>	518.77	
			<i>For Class 55 Rating, Add</i>	774.80	
			<i>For Class 56 Rating, Add</i>	1,027.42	
40 05 19 00-2668	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,109.43	385.98
			<i>For Class 52 Rating, Deduct</i>	-387.71	
			<i>For Class 54 Rating, Add</i>	535.71	
			<i>For Class 55 Rating, Add</i>	800.02	
			<i>For Class 56 Rating, Add</i>	1,060.81	
40 05 19 00-2669	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,227.85	389.92
			<i>For Class 52 Rating, Deduct</i>	-400.08	
			<i>For Class 54 Rating, Add</i>	552.65	
			<i>For Class 55 Rating, Add</i>	825.25	
			<i>For Class 56 Rating, Add</i>	1,094.20	
40 05 19 00-2670	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,346.28	393.85
			<i>For Class 52 Rating, Deduct</i>	-412.45	
			<i>For Class 54 Rating, Add</i>	569.59	
			<i>For Class 55 Rating, Add</i>	850.47	
			<i>For Class 56 Rating, Add</i>	1,127.59	
40 05 19 00-2671	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,464.72	397.79
			<i>For Class 52 Rating, Deduct</i>	-424.82	
			<i>For Class 54 Rating, Add</i>	586.53	
			<i>For Class 55 Rating, Add</i>	875.69	
			<i>For Class 56 Rating, Add</i>	1,160.99	
40 05 19 00-2672	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,583.15	401.74
			<i>For Class 52 Rating, Deduct</i>	-437.19	
			<i>For Class 54 Rating, Add</i>	603.47	
			<i>For Class 55 Rating, Add</i>	900.91	
			<i>For Class 56 Rating, Add</i>	1,194.38	
40 05 19 00-2673	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,701.57	405.67
			<i>For Class 52 Rating, Deduct</i>	-449.56	
			<i>For Class 54 Rating, Add</i>	620.41	
			<i>For Class 55 Rating, Add</i>	926.13	
			<i>For Class 56 Rating, Add</i>	1,227.77	
40 05 19 00-2674	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,820.00	409.61
			<i>For Class 52 Rating, Deduct</i>	-461.93	
			<i>For Class 54 Rating, Add</i>	637.35	
			<i>For Class 55 Rating, Add</i>	951.36	
			<i>For Class 56 Rating, Add</i>	1,261.16	
40 05 19 00-2675	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,938.44	413.55
			<i>For Class 52 Rating, Deduct</i>	-474.30	
			<i>For Class 54 Rating, Add</i>	654.30	
			<i>For Class 55 Rating, Add</i>	976.58	
			<i>For Class 56 Rating, Add</i>	1,294.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2676 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,056.86	417.49
<i>For Class 52 Rating, Deduct</i>	-486.67	
<i>For Class 54 Rating, Add</i>	671.24	
<i>For Class 55 Rating, Add</i>	1,001.80	
<i>For Class 56 Rating, Add</i>	1,327.94	
40 05 19 00-2677 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,175.29	421.43
<i>For Class 52 Rating, Deduct</i>	-499.04	
<i>For Class 54 Rating, Add</i>	688.18	
<i>For Class 55 Rating, Add</i>	1,027.02	
<i>For Class 56 Rating, Add</i>	1,361.33	
40 05 19 00-2678 EA 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,293.72	425.37
<i>For Class 52 Rating, Deduct</i>	-511.41	
<i>For Class 54 Rating, Add</i>	705.12	
<i>For Class 55 Rating, Add</i>	1,052.24	
<i>For Class 56 Rating, Add</i>	1,394.72	
40 05 19 00-2679 EA 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,412.14	429.31
<i>For Class 52 Rating, Deduct</i>	-523.78	
<i>For Class 54 Rating, Add</i>	722.06	
<i>For Class 55 Rating, Add</i>	1,077.47	
<i>For Class 56 Rating, Add</i>	1,428.11	
40 05 19 00-2680 EA 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,530.57	433.24
<i>For Class 52 Rating, Deduct</i>	-536.16	
<i>For Class 54 Rating, Add</i>	739.00	
<i>For Class 55 Rating, Add</i>	1,102.69	
<i>For Class 56 Rating, Add</i>	1,461.50	
40 05 19 00-2681 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2682 EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,402.70	362.35
<i>For Class 52 Rating, Deduct</i>	-93.90	
<i>For Class 54 Rating, Add</i>	134.64	
<i>For Class 55 Rating, Add</i>	203.55	
<i>For Class 56 Rating, Add</i>	271.60	
40 05 19 00-2683 EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,554.34	366.29
<i>For Class 52 Rating, Deduct</i>	-109.93	
<i>For Class 54 Rating, Add</i>	156.56	
<i>For Class 55 Rating, Add</i>	236.18	
<i>For Class 56 Rating, Add</i>	314.79	
40 05 19 00-2684 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,706.00	370.22
<i>For Class 52 Rating, Deduct</i>	-125.96	
<i>For Class 54 Rating, Add</i>	178.49	
<i>For Class 55 Rating, Add</i>	268.81	
<i>For Class 56 Rating, Add</i>	357.98	
40 05 19 00-2685 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,857.66	374.16
<i>For Class 52 Rating, Deduct</i>	-141.98	
<i>For Class 54 Rating, Add</i>	200.41	
<i>For Class 55 Rating, Add</i>	301.44	
<i>For Class 56 Rating, Add</i>	401.18	
40 05 19 00-2686 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,009.31	378.11
<i>For Class 52 Rating, Deduct</i>	-158.01	
<i>For Class 54 Rating, Add</i>	222.34	
<i>For Class 55 Rating, Add</i>	334.07	
<i>For Class 56 Rating, Add</i>	444.37	
40 05 19 00-2687 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,160.96	382.04
<i>For Class 52 Rating, Deduct</i>	-174.03	
<i>For Class 54 Rating, Add</i>	244.26	
<i>For Class 55 Rating, Add</i>	366.70	
<i>For Class 56 Rating, Add</i>	487.56	
40 05 19 00-2688 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,312.62	385.98
<i>For Class 52 Rating, Deduct</i>	-190.06	
<i>For Class 54 Rating, Add</i>	266.19	
<i>For Class 55 Rating, Add</i>	399.34	
<i>For Class 56 Rating, Add</i>	530.75	
40 05 19 00-2689 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,464.27	389.92
<i>For Class 52 Rating, Deduct</i>	-206.08	
<i>For Class 54 Rating, Add</i>	288.11	
<i>For Class 55 Rating, Add</i>	431.97	
<i>For Class 56 Rating, Add</i>	573.95	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2690	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,615.93	393.85
			<i>For Class 52 Rating, Deduct</i>	-222.11	
			<i>For Class 54 Rating, Add</i>	310.04	
			<i>For Class 55 Rating, Add</i>	464.60	
			<i>For Class 56 Rating, Add</i>	617.14	
40 05 19 00-2691	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,767.58	397.79
			<i>For Class 52 Rating, Deduct</i>	-238.13	
			<i>For Class 54 Rating, Add</i>	331.96	
			<i>For Class 55 Rating, Add</i>	497.23	
			<i>For Class 56 Rating, Add</i>	660.33	
40 05 19 00-2692	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,919.24	401.74
			<i>For Class 52 Rating, Deduct</i>	-254.16	
			<i>For Class 54 Rating, Add</i>	353.89	
			<i>For Class 55 Rating, Add</i>	529.86	
			<i>For Class 56 Rating, Add</i>	703.53	
40 05 19 00-2693	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,070.89	405.67
			<i>For Class 52 Rating, Deduct</i>	-270.19	
			<i>For Class 54 Rating, Add</i>	375.81	
			<i>For Class 55 Rating, Add</i>	562.49	
			<i>For Class 56 Rating, Add</i>	746.72	
40 05 19 00-2694	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,222.55	409.61
			<i>For Class 52 Rating, Deduct</i>	-286.21	
			<i>For Class 54 Rating, Add</i>	397.74	
			<i>For Class 55 Rating, Add</i>	595.13	
			<i>For Class 56 Rating, Add</i>	789.91	
40 05 19 00-2695	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,374.21	413.55
			<i>For Class 52 Rating, Deduct</i>	-302.24	
			<i>For Class 54 Rating, Add</i>	419.66	
			<i>For Class 55 Rating, Add</i>	627.76	
			<i>For Class 56 Rating, Add</i>	833.10	
40 05 19 00-2696	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,525.86	417.49
			<i>For Class 52 Rating, Deduct</i>	-318.26	
			<i>For Class 54 Rating, Add</i>	441.59	
			<i>For Class 55 Rating, Add</i>	660.39	
			<i>For Class 56 Rating, Add</i>	876.30	
40 05 19 00-2697	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,677.52	421.43
			<i>For Class 52 Rating, Deduct</i>	-334.29	
			<i>For Class 54 Rating, Add</i>	463.51	
			<i>For Class 55 Rating, Add</i>	693.02	
			<i>For Class 56 Rating, Add</i>	919.49	
40 05 19 00-2698	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,829.18	425.37
			<i>For Class 52 Rating, Deduct</i>	-350.31	
			<i>For Class 54 Rating, Add</i>	485.44	
			<i>For Class 55 Rating, Add</i>	725.65	
			<i>For Class 56 Rating, Add</i>	962.68	
40 05 19 00-2699	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,980.82	429.31
			<i>For Class 52 Rating, Deduct</i>	-366.34	
			<i>For Class 54 Rating, Add</i>	507.36	
			<i>For Class 55 Rating, Add</i>	758.28	
			<i>For Class 56 Rating, Add</i>	1,005.87	
40 05 19 00-2700	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,132.48	433.24
			<i>For Class 52 Rating, Deduct</i>	-382.37	
			<i>For Class 54 Rating, Add</i>	529.28	
			<i>For Class 55 Rating, Add</i>	790.91	
			<i>For Class 56 Rating, Add</i>	1,049.07	
40 05 19 00-2701	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,284.14	437.18
			<i>For Class 52 Rating, Deduct</i>	-398.39	
			<i>For Class 54 Rating, Add</i>	551.21	
			<i>For Class 55 Rating, Add</i>	823.55	
			<i>For Class 56 Rating, Add</i>	1,092.26	
40 05 19 00-2702	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,435.80	441.13
			<i>For Class 52 Rating, Deduct</i>	-414.42	
			<i>For Class 54 Rating, Add</i>	573.13	
			<i>For Class 55 Rating, Add</i>	856.18	
			<i>For Class 56 Rating, Add</i>	1,135.45	
40 05 19 00-2703	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,587.44	445.06
			<i>For Class 52 Rating, Deduct</i>	-430.44	
			<i>For Class 54 Rating, Add</i>	595.06	
			<i>For Class 55 Rating, Add</i>	888.81	
			<i>For Class 56 Rating, Add</i>	1,178.64	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2704 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,739.10	449.00
<i>For Class 52 Rating, Deduct</i>	-446.47	
<i>For Class 54 Rating, Add</i>	616.98	
<i>For Class 55 Rating, Add</i>	921.44	
<i>For Class 56 Rating, Add</i>	1,221.84	
40 05 19 00-2705 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,890.76	452.94
<i>For Class 52 Rating, Deduct</i>	-462.49	
<i>For Class 54 Rating, Add</i>	638.91	
<i>For Class 55 Rating, Add</i>	954.07	
<i>For Class 56 Rating, Add</i>	1,265.03	
40 05 19 00-2706 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,042.41	456.87
<i>For Class 52 Rating, Deduct</i>	-478.52	
<i>For Class 54 Rating, Add</i>	660.83	
<i>For Class 55 Rating, Add</i>	986.70	
<i>For Class 56 Rating, Add</i>	1,308.22	
40 05 19 00-2707 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,194.06	460.81
<i>For Class 52 Rating, Deduct</i>	-494.54	
<i>For Class 54 Rating, Add</i>	682.76	
<i>For Class 55 Rating, Add</i>	1,019.33	
<i>For Class 56 Rating, Add</i>	1,351.41	
40 05 19 00-2708 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,345.72	464.76
<i>For Class 52 Rating, Deduct</i>	-510.57	
<i>For Class 54 Rating, Add</i>	704.68	
<i>For Class 55 Rating, Add</i>	1,051.97	
<i>For Class 56 Rating, Add</i>	1,394.61	
40 05 19 00-2709 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,497.38	468.69
<i>For Class 52 Rating, Deduct</i>	-526.60	
<i>For Class 54 Rating, Add</i>	726.61	
<i>For Class 55 Rating, Add</i>	1,084.60	
<i>For Class 56 Rating, Add</i>	1,437.80	
40 05 19 00-2710 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,649.03	472.63
<i>For Class 52 Rating, Deduct</i>	-542.62	
<i>For Class 54 Rating, Add</i>	748.53	
<i>For Class 55 Rating, Add</i>	1,117.23	
<i>For Class 56 Rating, Add</i>	1,480.99	
40 05 19 00-2711 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,800.68	476.57
<i>For Class 52 Rating, Deduct</i>	-558.65	
<i>For Class 54 Rating, Add</i>	770.46	
<i>For Class 55 Rating, Add</i>	1,149.86	
<i>For Class 56 Rating, Add</i>	1,524.18	
40 05 19 00-2712 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,952.34	480.50
<i>For Class 52 Rating, Deduct</i>	-574.67	
<i>For Class 54 Rating, Add</i>	792.38	
<i>For Class 55 Rating, Add</i>	1,182.49	
<i>For Class 56 Rating, Add</i>	1,567.38	
40 05 19 00-2713 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,103.99	484.45
<i>For Class 52 Rating, Deduct</i>	-590.70	
<i>For Class 54 Rating, Add</i>	814.31	
<i>For Class 55 Rating, Add</i>	1,215.12	
<i>For Class 56 Rating, Add</i>	1,610.57	
40 05 19 00-2714 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,255.66	488.39
<i>For Class 52 Rating, Deduct</i>	-606.72	
<i>For Class 54 Rating, Add</i>	836.23	
<i>For Class 55 Rating, Add</i>	1,247.76	
<i>For Class 56 Rating, Add</i>	1,653.76	
40 05 19 00-2715 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,407.31	492.32
<i>For Class 52 Rating, Deduct</i>	-622.75	
<i>For Class 54 Rating, Add</i>	858.16	
<i>For Class 55 Rating, Add</i>	1,280.39	
<i>For Class 56 Rating, Add</i>	1,696.96	
40 05 19 00-2716 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,558.96	496.26
<i>For Class 52 Rating, Deduct</i>	-638.78	
<i>For Class 54 Rating, Add</i>	880.08	
<i>For Class 55 Rating, Add</i>	1,313.02	
<i>For Class 56 Rating, Add</i>	1,740.15	
40 05 19 00-2717 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,710.62	500.20
<i>For Class 52 Rating, Deduct</i>	-654.80	
<i>For Class 54 Rating, Add</i>	902.01	
<i>For Class 55 Rating, Add</i>	1,345.65	
<i>For Class 56 Rating, Add</i>	1,783.34	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2718	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,862.28	504.13
			<i>For Class 52 Rating, Deduct</i>	-670.83	
			<i>For Class 54 Rating, Add</i>	923.93	
			<i>For Class 55 Rating, Add</i>	1,378.28	
			<i>For Class 56 Rating, Add</i>	1,826.54	
40 05 19 00-2719	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,013.93	508.08
			<i>For Class 52 Rating, Deduct</i>	-686.85	
			<i>For Class 54 Rating, Add</i>	945.85	
			<i>For Class 55 Rating, Add</i>	1,410.91	
			<i>For Class 56 Rating, Add</i>	1,869.73	
40 05 19 00-2720	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,165.58	512.02
			<i>For Class 52 Rating, Deduct</i>	-702.88	
			<i>For Class 54 Rating, Add</i>	967.78	
			<i>For Class 55 Rating, Add</i>	1,443.54	
			<i>For Class 56 Rating, Add</i>	1,912.92	
40 05 19 00-2721			10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2722	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,757.19	441.13
			<i>For Class 52 Rating, Deduct</i>	-119.77	
			<i>For Class 54 Rating, Add</i>	171.34	
			<i>For Class 55 Rating, Add</i>	258.85	
			<i>For Class 56 Rating, Add</i>	345.26	
40 05 19 00-2723	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,952.29	445.06
			<i>For Class 52 Rating, Deduct</i>	-140.58	
			<i>For Class 54 Rating, Add</i>	199.79	
			<i>For Class 55 Rating, Add</i>	301.17	
			<i>For Class 56 Rating, Add</i>	401.27	
40 05 19 00-2724	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,147.40	449.00
			<i>For Class 52 Rating, Deduct</i>	-161.38	
			<i>For Class 54 Rating, Add</i>	228.23	
			<i>For Class 55 Rating, Add</i>	343.49	
			<i>For Class 56 Rating, Add</i>	457.29	
40 05 19 00-2725	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,342.51	452.94
			<i>For Class 52 Rating, Deduct</i>	-182.19	
			<i>For Class 54 Rating, Add</i>	256.67	
			<i>For Class 55 Rating, Add</i>	385.81	
			<i>For Class 56 Rating, Add</i>	513.30	
40 05 19 00-2726	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,537.60	456.87
			<i>For Class 52 Rating, Deduct</i>	-202.99	
			<i>For Class 54 Rating, Add</i>	285.11	
			<i>For Class 55 Rating, Add</i>	428.13	
			<i>For Class 56 Rating, Add</i>	569.30	
40 05 19 00-2727	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,732.71	460.81
			<i>For Class 52 Rating, Deduct</i>	-223.80	
			<i>For Class 54 Rating, Add</i>	313.55	
			<i>For Class 55 Rating, Add</i>	470.45	
			<i>For Class 56 Rating, Add</i>	625.32	
40 05 19 00-2728	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,927.82	464.76
			<i>For Class 52 Rating, Deduct</i>	-244.60	
			<i>For Class 54 Rating, Add</i>	342.00	
			<i>For Class 55 Rating, Add</i>	512.77	
			<i>For Class 56 Rating, Add</i>	681.33	
40 05 19 00-2729	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,122.93	468.69
			<i>For Class 52 Rating, Deduct</i>	-265.41	
			<i>For Class 54 Rating, Add</i>	370.44	
			<i>For Class 55 Rating, Add</i>	555.10	
			<i>For Class 56 Rating, Add</i>	737.34	
40 05 19 00-2730	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,318.03	472.63
			<i>For Class 52 Rating, Deduct</i>	-286.21	
			<i>For Class 54 Rating, Add</i>	398.88	
			<i>For Class 55 Rating, Add</i>	597.42	
			<i>For Class 56 Rating, Add</i>	793.35	
40 05 19 00-2731	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,513.13	476.57
			<i>For Class 52 Rating, Deduct</i>	-307.02	
			<i>For Class 54 Rating, Add</i>	427.32	
			<i>For Class 55 Rating, Add</i>	639.74	
			<i>For Class 56 Rating, Add</i>	849.36	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2732 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,708.24	480.50
<i>For Class 52 Rating, Deduct</i>	-327.82	
<i>For Class 54 Rating, Add</i>	455.77	
<i>For Class 55 Rating, Add</i>	682.06	
<i>For Class 56 Rating, Add</i>	905.37	
40 05 19 00-2733 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,903.34	484.45
<i>For Class 52 Rating, Deduct</i>	-348.63	
<i>For Class 54 Rating, Add</i>	484.21	
<i>For Class 55 Rating, Add</i>	724.38	
<i>For Class 56 Rating, Add</i>	961.38	
40 05 19 00-2734 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,098.46	488.39
<i>For Class 52 Rating, Deduct</i>	-369.43	
<i>For Class 54 Rating, Add</i>	512.65	
<i>For Class 55 Rating, Add</i>	766.70	
<i>For Class 56 Rating, Add</i>	1,017.39	
40 05 19 00-2735 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,293.57	492.32
<i>For Class 52 Rating, Deduct</i>	-390.24	
<i>For Class 54 Rating, Add</i>	541.09	
<i>For Class 55 Rating, Add</i>	809.02	
<i>For Class 56 Rating, Add</i>	1,073.40	
40 05 19 00-2736 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,488.67	496.26
<i>For Class 52 Rating, Deduct</i>	-411.04	
<i>For Class 54 Rating, Add</i>	569.54	
<i>For Class 55 Rating, Add</i>	851.34	
<i>For Class 56 Rating, Add</i>	1,129.41	
40 05 19 00-2737 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,683.77	500.20
<i>For Class 52 Rating, Deduct</i>	-431.85	
<i>For Class 54 Rating, Add</i>	597.98	
<i>For Class 55 Rating, Add</i>	893.66	
<i>For Class 56 Rating, Add</i>	1,185.42	
40 05 19 00-2738 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,878.88	504.13
<i>For Class 52 Rating, Deduct</i>	-452.65	
<i>For Class 54 Rating, Add</i>	626.42	
<i>For Class 55 Rating, Add</i>	935.98	
<i>For Class 56 Rating, Add</i>	1,241.43	
40 05 19 00-2739 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,073.99	508.08
<i>For Class 52 Rating, Deduct</i>	-473.46	
<i>For Class 54 Rating, Add</i>	654.86	
<i>For Class 55 Rating, Add</i>	978.31	
<i>For Class 56 Rating, Add</i>	1,297.44	
40 05 19 00-2740 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,269.09	512.02
<i>For Class 52 Rating, Deduct</i>	-494.26	
<i>For Class 54 Rating, Add</i>	683.31	
<i>For Class 55 Rating, Add</i>	1,020.63	
<i>For Class 56 Rating, Add</i>	1,353.45	
40 05 19 00-2741 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,464.20	515.95
<i>For Class 52 Rating, Deduct</i>	-515.07	
<i>For Class 54 Rating, Add</i>	711.75	
<i>For Class 55 Rating, Add</i>	1,062.95	
<i>For Class 56 Rating, Add</i>	1,409.47	
40 05 19 00-2742 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,659.30	519.89
<i>For Class 52 Rating, Deduct</i>	-535.87	
<i>For Class 54 Rating, Add</i>	740.19	
<i>For Class 55 Rating, Add</i>	1,105.27	
<i>For Class 56 Rating, Add</i>	1,465.47	
40 05 19 00-2743 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,854.40	523.83
<i>For Class 52 Rating, Deduct</i>	-556.68	
<i>For Class 54 Rating, Add</i>	768.63	
<i>For Class 55 Rating, Add</i>	1,147.59	
<i>For Class 56 Rating, Add</i>	1,521.48	
40 05 19 00-2744 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,049.51	527.77
<i>For Class 52 Rating, Deduct</i>	-577.48	
<i>For Class 54 Rating, Add</i>	797.07	
<i>For Class 55 Rating, Add</i>	1,189.91	
<i>For Class 56 Rating, Add</i>	1,577.50	
40 05 19 00-2745 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,244.62	531.71
<i>For Class 52 Rating, Deduct</i>	-598.29	
<i>For Class 54 Rating, Add</i>	825.52	
<i>For Class 55 Rating, Add</i>	1,232.23	
<i>For Class 56 Rating, Add</i>	1,633.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,439.72	535.65
			<i>For Class 52 Rating, Deduct</i>	-619.10	
			<i>For Class 54 Rating, Add</i>	853.96	
			<i>For Class 55 Rating, Add</i>	1,274.55	
			<i>For Class 56 Rating, Add</i>	1,689.52	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,634.82	539.58
			<i>For Class 52 Rating, Deduct</i>	-639.90	
			<i>For Class 54 Rating, Add</i>	882.40	
			<i>For Class 55 Rating, Add</i>	1,316.87	
			<i>For Class 56 Rating, Add</i>	1,745.53	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,829.93	543.52
			<i>For Class 52 Rating, Deduct</i>	-660.71	
			<i>For Class 54 Rating, Add</i>	910.84	
			<i>For Class 55 Rating, Add</i>	1,359.19	
			<i>For Class 56 Rating, Add</i>	1,801.54	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,025.04	547.46
			<i>For Class 52 Rating, Deduct</i>	-681.51	
			<i>For Class 54 Rating, Add</i>	939.29	
			<i>For Class 55 Rating, Add</i>	1,401.52	
			<i>For Class 56 Rating, Add</i>	1,857.55	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,220.14	551.40
			<i>For Class 52 Rating, Deduct</i>	-702.32	
			<i>For Class 54 Rating, Add</i>	967.73	
			<i>For Class 55 Rating, Add</i>	1,443.84	
			<i>For Class 56 Rating, Add</i>	1,913.56	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,415.25	555.34
			<i>For Class 52 Rating, Deduct</i>	-723.12	
			<i>For Class 54 Rating, Add</i>	996.17	
			<i>For Class 55 Rating, Add</i>	1,486.16	
			<i>For Class 56 Rating, Add</i>	1,969.57	
40 05 19 00-2752	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,610.35	559.28
			<i>For Class 52 Rating, Deduct</i>	-743.93	
			<i>For Class 54 Rating, Add</i>	1,024.61	
			<i>For Class 55 Rating, Add</i>	1,528.48	
			<i>For Class 56 Rating, Add</i>	2,025.58	
40 05 19 00-2753	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,805.46	563.22
			<i>For Class 52 Rating, Deduct</i>	-764.73	
			<i>For Class 54 Rating, Add</i>	1,053.06	
			<i>For Class 55 Rating, Add</i>	1,570.80	
			<i>For Class 56 Rating, Add</i>	2,081.59	
40 05 19 00-2754	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,000.57	567.15
			<i>For Class 52 Rating, Deduct</i>	-785.54	
			<i>For Class 54 Rating, Add</i>	1,081.50	
			<i>For Class 55 Rating, Add</i>	1,613.12	
			<i>For Class 56 Rating, Add</i>	2,137.60	
40 05 19 00-2755	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,195.68	571.10
			<i>For Class 52 Rating, Deduct</i>	-806.34	
			<i>For Class 54 Rating, Add</i>	1,109.94	
			<i>For Class 55 Rating, Add</i>	1,655.44	
			<i>For Class 56 Rating, Add</i>	2,193.61	
40 05 19 00-2756	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,390.78	575.04
			<i>For Class 52 Rating, Deduct</i>	-827.15	
			<i>For Class 54 Rating, Add</i>	1,138.38	
			<i>For Class 55 Rating, Add</i>	1,697.76	
			<i>For Class 56 Rating, Add</i>	2,249.62	
40 05 19 00-2757	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,585.88	578.97
			<i>For Class 52 Rating, Deduct</i>	-847.95	
			<i>For Class 54 Rating, Add</i>	1,166.82	
			<i>For Class 55 Rating, Add</i>	1,740.08	
			<i>For Class 56 Rating, Add</i>	2,305.63	
40 05 19 00-2758	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,780.99	582.91
			<i>For Class 52 Rating, Deduct</i>	-868.76	
			<i>For Class 54 Rating, Add</i>	1,195.27	
			<i>For Class 55 Rating, Add</i>	1,782.40	
			<i>For Class 56 Rating, Add</i>	2,361.64	
40 05 19 00-2759	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,976.10	586.85
			<i>For Class 52 Rating, Deduct</i>	-889.56	
			<i>For Class 54 Rating, Add</i>	1,223.71	
			<i>For Class 55 Rating, Add</i>	1,824.73	
			<i>For Class 56 Rating, Add</i>	2,417.65	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2760	EA			10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,171.20	590.78
				<i>For Class 52 Rating, Deduct</i>	-910.37	
				<i>For Class 54 Rating, Add</i>	1,252.15	
				<i>For Class 55 Rating, Add</i>	1,867.05	
				<i>For Class 56 Rating, Add</i>	2,473.67	
40 05 19 00-2761				12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(#40 05 19 00-2600)</small>		
40 05 19 00-2762	EA			12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,266.77	551.40
				<i>For Class 52 Rating, Deduct</i>	-157.45	
				<i>For Class 54 Rating, Add</i>	224.72	
				<i>For Class 55 Rating, Add</i>	339.24	
				<i>For Class 56 Rating, Add</i>	452.32	
40 05 19 00-2763	EA			12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,507.88	555.34
				<i>For Class 52 Rating, Deduct</i>	-183.31	
				<i>For Class 54 Rating, Add</i>	260.07	
				<i>For Class 55 Rating, Add</i>	391.81	
				<i>For Class 56 Rating, Add</i>	521.90	
40 05 19 00-2764	EA			12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,748.99	559.28
				<i>For Class 52 Rating, Deduct</i>	-209.18	
				<i>For Class 54 Rating, Add</i>	295.41	
				<i>For Class 55 Rating, Add</i>	444.39	
				<i>For Class 56 Rating, Add</i>	591.48	
40 05 19 00-2765	EA			12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,990.11	563.22
				<i>For Class 52 Rating, Deduct</i>	-235.04	
				<i>For Class 54 Rating, Add</i>	330.75	
				<i>For Class 55 Rating, Add</i>	496.98	
				<i>For Class 56 Rating, Add</i>	661.06	
40 05 19 00-2766	EA			12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,231.22	567.15
				<i>For Class 52 Rating, Deduct</i>	-260.91	
				<i>For Class 54 Rating, Add</i>	366.10	
				<i>For Class 55 Rating, Add</i>	549.56	
				<i>For Class 56 Rating, Add</i>	730.64	
40 05 19 00-2767	EA			12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,472.34	571.10
				<i>For Class 52 Rating, Deduct</i>	-286.77	
				<i>For Class 54 Rating, Add</i>	401.44	
				<i>For Class 55 Rating, Add</i>	602.14	
				<i>For Class 56 Rating, Add</i>	800.23	
40 05 19 00-2768	EA			12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,713.44	575.04
				<i>For Class 52 Rating, Deduct</i>	-312.64	
				<i>For Class 54 Rating, Add</i>	436.78	
				<i>For Class 55 Rating, Add</i>	654.72	
				<i>For Class 56 Rating, Add</i>	869.81	
40 05 19 00-2769	EA			12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,954.56	578.97
				<i>For Class 52 Rating, Deduct</i>	-338.51	
				<i>For Class 54 Rating, Add</i>	472.13	
				<i>For Class 55 Rating, Add</i>	707.30	
				<i>For Class 56 Rating, Add</i>	939.39	
40 05 19 00-2770	EA			12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,195.67	582.91
				<i>For Class 52 Rating, Deduct</i>	-364.37	
				<i>For Class 54 Rating, Add</i>	507.47	
				<i>For Class 55 Rating, Add</i>	759.88	
				<i>For Class 56 Rating, Add</i>	1,008.97	
40 05 19 00-2771	EA			12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,436.79	586.85
				<i>For Class 52 Rating, Deduct</i>	-390.24	
				<i>For Class 54 Rating, Add</i>	542.81	
				<i>For Class 55 Rating, Add</i>	812.46	
				<i>For Class 56 Rating, Add</i>	1,078.56	
40 05 19 00-2772	EA			12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,677.89	590.78
				<i>For Class 52 Rating, Deduct</i>	-416.10	
				<i>For Class 54 Rating, Add</i>	578.16	
				<i>For Class 55 Rating, Add</i>	865.04	
				<i>For Class 56 Rating, Add</i>	1,148.14	
40 05 19 00-2773	EA			12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,919.01	594.73
				<i>For Class 52 Rating, Deduct</i>	-441.97	
				<i>For Class 54 Rating, Add</i>	613.50	
				<i>For Class 55 Rating, Add</i>	917.62	
				<i>For Class 56 Rating, Add</i>	1,217.72	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2774	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,160.12	598.67
			<i>For Class 52 Rating, Deduct</i>	-467.84	
			<i>For Class 54 Rating, Add</i>	648.84	
			<i>For Class 55 Rating, Add</i>	970.20	
			<i>For Class 56 Rating, Add</i>	1,287.30	
40 05 19 00-2775	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,401.23	602.60
			<i>For Class 52 Rating, Deduct</i>	-493.70	
			<i>For Class 54 Rating, Add</i>	684.19	
			<i>For Class 55 Rating, Add</i>	1,022.78	
			<i>For Class 56 Rating, Add</i>	1,356.89	
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,642.34	606.54
			<i>For Class 52 Rating, Deduct</i>	-519.57	
			<i>For Class 54 Rating, Add</i>	719.53	
			<i>For Class 55 Rating, Add</i>	1,075.36	
			<i>For Class 56 Rating, Add</i>	1,426.47	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,883.45	610.48
			<i>For Class 52 Rating, Deduct</i>	-545.43	
			<i>For Class 54 Rating, Add</i>	754.87	
			<i>For Class 55 Rating, Add</i>	1,127.94	
			<i>For Class 56 Rating, Add</i>	1,496.05	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,124.56	614.42
			<i>For Class 52 Rating, Deduct</i>	-571.30	
			<i>For Class 54 Rating, Add</i>	790.22	
			<i>For Class 55 Rating, Add</i>	1,180.52	
			<i>For Class 56 Rating, Add</i>	1,565.63	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,365.67	618.36
			<i>For Class 52 Rating, Deduct</i>	-597.16	
			<i>For Class 54 Rating, Add</i>	825.56	
			<i>For Class 55 Rating, Add</i>	1,233.10	
			<i>For Class 56 Rating, Add</i>	1,635.22	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,606.79	622.30
			<i>For Class 52 Rating, Deduct</i>	-623.03	
			<i>For Class 54 Rating, Add</i>	860.90	
			<i>For Class 55 Rating, Add</i>	1,285.68	
			<i>For Class 56 Rating, Add</i>	1,704.80	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,847.90	626.23
			<i>For Class 52 Rating, Deduct</i>	-648.90	
			<i>For Class 54 Rating, Add</i>	896.25	
			<i>For Class 55 Rating, Add</i>	1,338.26	
			<i>For Class 56 Rating, Add</i>	1,774.38	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,089.01	630.17
			<i>For Class 52 Rating, Deduct</i>	-674.76	
			<i>For Class 54 Rating, Add</i>	931.59	
			<i>For Class 55 Rating, Add</i>	1,390.84	
			<i>For Class 56 Rating, Add</i>	1,843.96	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,330.12	634.11
			<i>For Class 52 Rating, Deduct</i>	-700.63	
			<i>For Class 54 Rating, Add</i>	966.93	
			<i>For Class 55 Rating, Add</i>	1,443.42	
			<i>For Class 56 Rating, Add</i>	1,913.55	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,571.25	638.05
			<i>For Class 52 Rating, Deduct</i>	-726.50	
			<i>For Class 54 Rating, Add</i>	1,002.28	
			<i>For Class 55 Rating, Add</i>	1,496.01	
			<i>For Class 56 Rating, Add</i>	1,983.13	
40 05 19 00-2785	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,812.35	641.99
			<i>For Class 52 Rating, Deduct</i>	-752.36	
			<i>For Class 54 Rating, Add</i>	1,037.62	
			<i>For Class 55 Rating, Add</i>	1,548.58	
			<i>For Class 56 Rating, Add</i>	2,052.71	
40 05 19 00-2786	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,053.47	645.93
			<i>For Class 52 Rating, Deduct</i>	-778.23	
			<i>For Class 54 Rating, Add</i>	1,072.96	
			<i>For Class 55 Rating, Add</i>	1,601.17	
			<i>For Class 56 Rating, Add</i>	2,122.30	
40 05 19 00-2787	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,294.58	649.86
			<i>For Class 52 Rating, Deduct</i>	-804.09	
			<i>For Class 54 Rating, Add</i>	1,108.31	
			<i>For Class 55 Rating, Add</i>	1,653.75	
			<i>For Class 56 Rating, Add</i>	2,191.88	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2788 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,535.69	653.80
<i>For Class 52 Rating, Deduct</i>	-829.96	
<i>For Class 54 Rating, Add</i>	1,143.65	
<i>For Class 55 Rating, Add</i>	1,706.33	
<i>For Class 56 Rating, Add</i>	2,261.46	
40 05 19 00-2789 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,776.80	657.75
<i>For Class 52 Rating, Deduct</i>	-855.82	
<i>For Class 54 Rating, Add</i>	1,178.99	
<i>For Class 55 Rating, Add</i>	1,758.91	
<i>For Class 56 Rating, Add</i>	2,331.04	
40 05 19 00-2790 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,017.92	661.68
<i>For Class 52 Rating, Deduct</i>	-881.69	
<i>For Class 54 Rating, Add</i>	1,214.34	
<i>For Class 55 Rating, Add</i>	1,811.49	
<i>For Class 56 Rating, Add</i>	2,400.63	
40 05 19 00-2791 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,259.03	665.62
<i>For Class 52 Rating, Deduct</i>	-907.56	
<i>For Class 54 Rating, Add</i>	1,249.68	
<i>For Class 55 Rating, Add</i>	1,864.07	
<i>For Class 56 Rating, Add</i>	2,470.21	
40 05 19 00-2792 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,500.13	669.56
<i>For Class 52 Rating, Deduct</i>	-933.42	
<i>For Class 54 Rating, Add</i>	1,285.02	
<i>For Class 55 Rating, Add</i>	1,916.65	
<i>For Class 56 Rating, Add</i>	2,539.79	
40 05 19 00-2793 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,741.25	673.49
<i>For Class 52 Rating, Deduct</i>	-959.29	
<i>For Class 54 Rating, Add</i>	1,320.37	
<i>For Class 55 Rating, Add</i>	1,969.23	
<i>For Class 56 Rating, Add</i>	2,609.37	
40 05 19 00-2794 EA 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,982.36	677.44
<i>For Class 52 Rating, Deduct</i>	-985.15	
<i>For Class 54 Rating, Add</i>	1,355.71	
<i>For Class 55 Rating, Add</i>	2,021.81	
<i>For Class 56 Rating, Add</i>	2,678.95	
40 05 19 00-2795 EA 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,223.47	681.38
<i>For Class 52 Rating, Deduct</i>	-1,011.02	
<i>For Class 54 Rating, Add</i>	1,391.05	
<i>For Class 55 Rating, Add</i>	2,074.39	
<i>For Class 56 Rating, Add</i>	2,748.54	
40 05 19 00-2796 EA 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,464.58	685.31
<i>For Class 52 Rating, Deduct</i>	-1,036.89	
<i>For Class 54 Rating, Add</i>	1,426.39	
<i>For Class 55 Rating, Add</i>	2,126.97	
<i>For Class 56 Rating, Add</i>	2,818.12	
40 05 19 00-2797 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,705.70	689.25
<i>For Class 52 Rating, Deduct</i>	-1,062.75	
<i>For Class 54 Rating, Add</i>	1,461.74	
<i>For Class 55 Rating, Add</i>	2,179.55	
<i>For Class 56 Rating, Add</i>	2,887.70	
40 05 19 00-2798 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,946.81	693.19
<i>For Class 52 Rating, Deduct</i>	-1,088.62	
<i>For Class 54 Rating, Add</i>	1,497.08	
<i>For Class 55 Rating, Add</i>	2,232.13	
<i>For Class 56 Rating, Add</i>	2,957.28	
40 05 19 00-2799 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,187.92	697.12
<i>For Class 52 Rating, Deduct</i>	-1,114.48	
<i>For Class 54 Rating, Add</i>	1,532.43	
<i>For Class 55 Rating, Add</i>	2,284.71	
<i>For Class 56 Rating, Add</i>	3,026.87	
40 05 19 00-2800 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,429.03	701.07
<i>For Class 52 Rating, Deduct</i>	-1,140.35	
<i>For Class 54 Rating, Add</i>	1,567.77	
<i>For Class 55 Rating, Add</i>	2,337.29	
<i>For Class 56 Rating, Add</i>	3,096.45	

40 05 19 00-2801 14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2800)

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2802 EA 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,113.74	661.68
For Class 52 Rating, Deduct	-232.23	
For Class 54 Rating, Add	328.71	
For Class 55 Rating, Add	494.86	
For Class 56 Rating, Add	658.89	
40 05 19 00-2803 EA 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,405.97	665.62
For Class 52 Rating, Deduct	-263.72	
For Class 54 Rating, Add	371.72	
For Class 55 Rating, Add	558.84	
For Class 56 Rating, Add	743.55	
40 05 19 00-2804 EA 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,698.20	669.56
For Class 52 Rating, Deduct	-295.21	
For Class 54 Rating, Add	414.73	
For Class 55 Rating, Add	622.82	
For Class 56 Rating, Add	828.22	
40 05 19 00-2805 EA 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,990.43	673.49
For Class 52 Rating, Deduct	-326.70	
For Class 54 Rating, Add	457.74	
For Class 55 Rating, Add	686.80	
For Class 56 Rating, Add	912.88	
40 05 19 00-2806 EA 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,282.66	677.44
For Class 52 Rating, Deduct	-358.19	
For Class 54 Rating, Add	500.75	
For Class 55 Rating, Add	750.78	
For Class 56 Rating, Add	997.54	
40 05 19 00-2807 EA 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,574.89	681.38
For Class 52 Rating, Deduct	-389.68	
For Class 54 Rating, Add	543.77	
For Class 55 Rating, Add	814.76	
For Class 56 Rating, Add	1,082.21	
40 05 19 00-2808 EA 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,867.12	685.31
For Class 52 Rating, Deduct	-421.16	
For Class 54 Rating, Add	586.78	
For Class 55 Rating, Add	878.74	
For Class 56 Rating, Add	1,166.87	
40 05 19 00-2809 EA 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,159.35	689.25
For Class 52 Rating, Deduct	-452.65	
For Class 54 Rating, Add	629.79	
For Class 55 Rating, Add	942.72	
For Class 56 Rating, Add	1,251.53	
40 05 19 00-2810 EA 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,451.58	693.19
For Class 52 Rating, Deduct	-484.14	
For Class 54 Rating, Add	672.80	
For Class 55 Rating, Add	1,006.69	
For Class 56 Rating, Add	1,336.19	
40 05 19 00-2811 EA 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,743.81	697.12
For Class 52 Rating, Deduct	-515.63	
For Class 54 Rating, Add	715.81	
For Class 55 Rating, Add	1,070.68	
For Class 56 Rating, Add	1,420.86	
40 05 19 00-2812 EA 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,036.04	701.07
For Class 52 Rating, Deduct	-547.12	
For Class 54 Rating, Add	758.82	
For Class 55 Rating, Add	1,134.66	
For Class 56 Rating, Add	1,505.52	
40 05 19 00-2813 EA 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,328.27	705.01
For Class 52 Rating, Deduct	-578.61	
For Class 54 Rating, Add	801.83	
For Class 55 Rating, Add	1,198.63	
For Class 56 Rating, Add	1,590.18	
40 05 19 00-2814 EA 14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,620.50	708.94
For Class 52 Rating, Deduct	-610.10	
For Class 54 Rating, Add	844.84	
For Class 55 Rating, Add	1,262.62	
For Class 56 Rating, Add	1,674.84	
40 05 19 00-2815 EA 14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,912.74	712.88
For Class 52 Rating, Deduct	-641.59	
For Class 54 Rating, Add	887.85	
For Class 55 Rating, Add	1,326.60	
For Class 56 Rating, Add	1,759.50	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2816 EA 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,204.97	716.82
<i>For Class 52 Rating, Deduct</i>	-673.08	
<i>For Class 54 Rating, Add</i>	930.86	
<i>For Class 55 Rating, Add</i>	1,390.57	
<i>For Class 56 Rating, Add</i>	1,844.17	
40 05 19 00-2817 EA 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,497.20	720.76
<i>For Class 52 Rating, Deduct</i>	-704.57	
<i>For Class 54 Rating, Add</i>	973.88	
<i>For Class 55 Rating, Add</i>	1,454.56	
<i>For Class 56 Rating, Add</i>	1,928.83	
40 05 19 00-2818 EA 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,789.43	724.70
<i>For Class 52 Rating, Deduct</i>	-736.05	
<i>For Class 54 Rating, Add</i>	1,016.89	
<i>For Class 55 Rating, Add</i>	1,518.53	
<i>For Class 56 Rating, Add</i>	2,013.49	
40 05 19 00-2819 EA 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,081.66	728.64
<i>For Class 52 Rating, Deduct</i>	-767.54	
<i>For Class 54 Rating, Add</i>	1,059.90	
<i>For Class 55 Rating, Add</i>	1,582.51	
<i>For Class 56 Rating, Add</i>	2,098.15	
40 05 19 00-2820 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,373.89	732.58
<i>For Class 52 Rating, Deduct</i>	-799.03	
<i>For Class 54 Rating, Add</i>	1,102.91	
<i>For Class 55 Rating, Add</i>	1,646.49	
<i>For Class 56 Rating, Add</i>	2,182.82	
40 05 19 00-2821 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,666.12	736.51
<i>For Class 52 Rating, Deduct</i>	-830.52	
<i>For Class 54 Rating, Add</i>	1,145.92	
<i>For Class 55 Rating, Add</i>	1,710.47	
<i>For Class 56 Rating, Add</i>	2,267.48	
40 05 19 00-2822 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,958.35	740.45
<i>For Class 52 Rating, Deduct</i>	-862.01	
<i>For Class 54 Rating, Add</i>	1,188.93	
<i>For Class 55 Rating, Add</i>	1,774.45	
<i>For Class 56 Rating, Add</i>	2,352.14	
40 05 19 00-2823 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,250.58	744.40
<i>For Class 52 Rating, Deduct</i>	-893.50	
<i>For Class 54 Rating, Add</i>	1,231.94	
<i>For Class 55 Rating, Add</i>	1,838.43	
<i>For Class 56 Rating, Add</i>	2,436.80	
40 05 19 00-2824 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,542.81	748.33
<i>For Class 52 Rating, Deduct</i>	-924.99	
<i>For Class 54 Rating, Add</i>	1,274.95	
<i>For Class 55 Rating, Add</i>	1,902.41	
<i>For Class 56 Rating, Add</i>	2,521.47	
40 05 19 00-2825 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,835.04	752.27
<i>For Class 52 Rating, Deduct</i>	-956.48	
<i>For Class 54 Rating, Add</i>	1,317.96	
<i>For Class 55 Rating, Add</i>	1,966.39	
<i>For Class 56 Rating, Add</i>	2,606.13	
40 05 19 00-2826 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,127.27	756.21
<i>For Class 52 Rating, Deduct</i>	-987.97	
<i>For Class 54 Rating, Add</i>	1,360.97	
<i>For Class 55 Rating, Add</i>	2,030.37	
<i>For Class 56 Rating, Add</i>	2,690.79	
40 05 19 00-2827 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,419.50	760.14
<i>For Class 52 Rating, Deduct</i>	-1,019.45	
<i>For Class 54 Rating, Add</i>	1,403.99	
<i>For Class 55 Rating, Add</i>	2,094.35	
<i>For Class 56 Rating, Add</i>	2,775.45	
40 05 19 00-2828 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,711.73	764.09
<i>For Class 52 Rating, Deduct</i>	-1,050.94	
<i>For Class 54 Rating, Add</i>	1,447.00	
<i>For Class 55 Rating, Add</i>	2,158.33	
<i>For Class 56 Rating, Add</i>	2,860.12	
40 05 19 00-2829 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,003.96	768.03
<i>For Class 52 Rating, Deduct</i>	-1,082.43	
<i>For Class 54 Rating, Add</i>	1,490.01	
<i>For Class 55 Rating, Add</i>	2,222.31	
<i>For Class 56 Rating, Add</i>	2,944.78	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2830	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,296.20	771.96
			<i>For Class 52 Rating, Deduct</i>	-1,113.92	
			<i>For Class 54 Rating, Add</i>	1,533.02	
			<i>For Class 55 Rating, Add</i>	2,286.29	
			<i>For Class 56 Rating, Add</i>	3,029.44	
40 05 19 00-2831	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,588.42	775.90
			<i>For Class 52 Rating, Deduct</i>	-1,145.41	
			<i>For Class 54 Rating, Add</i>	1,576.03	
			<i>For Class 55 Rating, Add</i>	2,350.27	
			<i>For Class 56 Rating, Add</i>	3,114.10	
40 05 19 00-2832	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,880.65	779.84
			<i>For Class 52 Rating, Deduct</i>	-1,176.90	
			<i>For Class 54 Rating, Add</i>	1,619.04	
			<i>For Class 55 Rating, Add</i>	2,414.25	
			<i>For Class 56 Rating, Add</i>	3,198.77	
40 05 19 00-2833	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,172.88	783.77
			<i>For Class 52 Rating, Deduct</i>	-1,208.39	
			<i>For Class 54 Rating, Add</i>	1,662.05	
			<i>For Class 55 Rating, Add</i>	2,478.23	
			<i>For Class 56 Rating, Add</i>	3,283.43	
40 05 19 00-2834	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,465.12	787.72
			<i>For Class 52 Rating, Deduct</i>	-1,239.88	
			<i>For Class 54 Rating, Add</i>	1,705.06	
			<i>For Class 55 Rating, Add</i>	2,542.21	
			<i>For Class 56 Rating, Add</i>	3,368.09	
40 05 19 00-2835	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,757.35	791.66
			<i>For Class 52 Rating, Deduct</i>	-1,271.37	
			<i>For Class 54 Rating, Add</i>	1,748.07	
			<i>For Class 55 Rating, Add</i>	2,606.19	
			<i>For Class 56 Rating, Add</i>	3,452.75	
40 05 19 00-2836	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,049.58	795.59
			<i>For Class 52 Rating, Deduct</i>	-1,302.85	
			<i>For Class 54 Rating, Add</i>	1,791.08	
			<i>For Class 55 Rating, Add</i>	2,670.17	
			<i>For Class 56 Rating, Add</i>	3,537.41	
40 05 19 00-2837	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,341.81	799.53
			<i>For Class 52 Rating, Deduct</i>	-1,334.34	
			<i>For Class 54 Rating, Add</i>	1,834.10	
			<i>For Class 55 Rating, Add</i>	2,734.15	
			<i>For Class 56 Rating, Add</i>	3,622.08	
40 05 19 00-2838	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,634.04	803.47
			<i>For Class 52 Rating, Deduct</i>	-1,365.83	
			<i>For Class 54 Rating, Add</i>	1,877.11	
			<i>For Class 55 Rating, Add</i>	2,798.13	
			<i>For Class 56 Rating, Add</i>	3,706.74	
40 05 19 00-2839	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,926.27	807.41
			<i>For Class 52 Rating, Deduct</i>	-1,397.32	
			<i>For Class 54 Rating, Add</i>	1,920.12	
			<i>For Class 55 Rating, Add</i>	2,862.11	
			<i>For Class 56 Rating, Add</i>	3,791.40	
40 05 19 00-2840			16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2800)</small>		
40 05 19 00-2841	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,637.79	756.21
			<i>For Class 52 Rating, Deduct</i>	-274.12	
			<i>For Class 54 Rating, Add</i>	387.55	
			<i>For Class 55 Rating, Add</i>	583.22	
			<i>For Class 56 Rating, Add</i>	776.39	
40 05 19 00-2842	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,976.02	760.14
			<i>For Class 52 Rating, Deduct</i>	-310.67	
			<i>For Class 54 Rating, Add</i>	437.46	
			<i>For Class 55 Rating, Add</i>	657.46	
			<i>For Class 56 Rating, Add</i>	874.63	
40 05 19 00-2843	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,314.26	764.09
			<i>For Class 52 Rating, Deduct</i>	-347.22	
			<i>For Class 54 Rating, Add</i>	487.38	
			<i>For Class 55 Rating, Add</i>	731.70	
			<i>For Class 56 Rating, Add</i>	972.86	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2844 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,652.50	768.03
<i>For Class 52 Rating, Deduct</i>	-383.77	
<i>For Class 54 Rating, Add</i>	537.29	
<i>For Class 55 Rating, Add</i>	805.94	
<i>For Class 56 Rating, Add</i>	1,071.10	
40 05 19 00-2845 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,990.74	771.96
<i>For Class 52 Rating, Deduct</i>	-420.32	
<i>For Class 54 Rating, Add</i>	587.20	
<i>For Class 55 Rating, Add</i>	880.18	
<i>For Class 56 Rating, Add</i>	1,169.33	
40 05 19 00-2846 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,328.97	775.90
<i>For Class 52 Rating, Deduct</i>	-456.87	
<i>For Class 54 Rating, Add</i>	637.11	
<i>For Class 55 Rating, Add</i>	954.42	
<i>For Class 56 Rating, Add</i>	1,267.57	
40 05 19 00-2847 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,667.21	779.84
<i>For Class 52 Rating, Deduct</i>	-493.42	
<i>For Class 54 Rating, Add</i>	687.02	
<i>For Class 55 Rating, Add</i>	1,028.66	
<i>For Class 56 Rating, Add</i>	1,365.80	
40 05 19 00-2848 EA 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,005.45	783.77
<i>For Class 52 Rating, Deduct</i>	-529.97	
<i>For Class 54 Rating, Add</i>	736.94	
<i>For Class 55 Rating, Add</i>	1,102.89	
<i>For Class 56 Rating, Add</i>	1,464.03	
40 05 19 00-2849 EA 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,343.69	787.72
<i>For Class 52 Rating, Deduct</i>	-566.52	
<i>For Class 54 Rating, Add</i>	786.85	
<i>For Class 55 Rating, Add</i>	1,177.13	
<i>For Class 56 Rating, Add</i>	1,562.27	
40 05 19 00-2850 EA 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,681.93	791.66
<i>For Class 52 Rating, Deduct</i>	-603.07	
<i>For Class 54 Rating, Add</i>	836.76	
<i>For Class 55 Rating, Add</i>	1,251.37	
<i>For Class 56 Rating, Add</i>	1,660.50	
40 05 19 00-2851 EA 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,020.17	795.59
<i>For Class 52 Rating, Deduct</i>	-639.62	
<i>For Class 54 Rating, Add</i>	886.67	
<i>For Class 55 Rating, Add</i>	1,325.61	
<i>For Class 56 Rating, Add</i>	1,758.74	
40 05 19 00-2852 EA 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,358.40	799.53
<i>For Class 52 Rating, Deduct</i>	-676.17	
<i>For Class 54 Rating, Add</i>	936.59	
<i>For Class 55 Rating, Add</i>	1,399.85	
<i>For Class 56 Rating, Add</i>	1,856.97	
40 05 19 00-2853 EA 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,696.64	803.47
<i>For Class 52 Rating, Deduct</i>	-712.72	
<i>For Class 54 Rating, Add</i>	986.50	
<i>For Class 55 Rating, Add</i>	1,474.09	
<i>For Class 56 Rating, Add</i>	1,955.21	
40 05 19 00-2854 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,034.88	807.41
<i>For Class 52 Rating, Deduct</i>	-749.27	
<i>For Class 54 Rating, Add</i>	1,036.41	
<i>For Class 55 Rating, Add</i>	1,548.33	
<i>For Class 56 Rating, Add</i>	2,053.44	
40 05 19 00-2855 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,373.12	811.35
<i>For Class 52 Rating, Deduct</i>	-785.82	
<i>For Class 54 Rating, Add</i>	1,086.32	
<i>For Class 55 Rating, Add</i>	1,622.57	
<i>For Class 56 Rating, Add</i>	2,151.68	
40 05 19 00-2856 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,711.35	815.29
<i>For Class 52 Rating, Deduct</i>	-822.37	
<i>For Class 54 Rating, Add</i>	1,136.23	
<i>For Class 55 Rating, Add</i>	1,696.81	
<i>For Class 56 Rating, Add</i>	2,249.91	
40 05 19 00-2857 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,049.59	819.22
<i>For Class 52 Rating, Deduct</i>	-858.92	
<i>For Class 54 Rating, Add</i>	1,186.15	
<i>For Class 55 Rating, Add</i>	1,771.05	
<i>For Class 56 Rating, Add</i>	2,348.15	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2858	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,387.83	823.16
			<i>For Class 52 Rating, Deduct</i>	-895.47	
			<i>For Class 54 Rating, Add</i>	1,236.06	
			<i>For Class 55 Rating, Add</i>	1,845.29	
			<i>For Class 56 Rating, Add</i>	2,446.38	
40 05 19 00-2859	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,726.05	827.10
			<i>For Class 52 Rating, Deduct</i>	-932.02	
			<i>For Class 54 Rating, Add</i>	1,285.97	
			<i>For Class 55 Rating, Add</i>	1,919.53	
			<i>For Class 56 Rating, Add</i>	2,544.61	
40 05 19 00-2860	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,064.29	831.04
			<i>For Class 52 Rating, Deduct</i>	-968.57	
			<i>For Class 54 Rating, Add</i>	1,335.88	
			<i>For Class 55 Rating, Add</i>	1,993.77	
			<i>For Class 56 Rating, Add</i>	2,642.85	
40 05 19 00-2861	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,402.53	834.98
			<i>For Class 52 Rating, Deduct</i>	-1,005.12	
			<i>For Class 54 Rating, Add</i>	1,385.79	
			<i>For Class 55 Rating, Add</i>	2,068.01	
			<i>For Class 56 Rating, Add</i>	2,741.08	
40 05 19 00-2862	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,740.76	838.92
			<i>For Class 52 Rating, Deduct</i>	-1,041.66	
			<i>For Class 54 Rating, Add</i>	1,435.70	
			<i>For Class 55 Rating, Add</i>	2,142.24	
			<i>For Class 56 Rating, Add</i>	2,839.31	
40 05 19 00-2863	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,079.00	842.85
			<i>For Class 52 Rating, Deduct</i>	-1,078.21	
			<i>For Class 54 Rating, Add</i>	1,485.62	
			<i>For Class 55 Rating, Add</i>	2,216.48	
			<i>For Class 56 Rating, Add</i>	2,937.55	
40 05 19 00-2864	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,417.24	846.79
			<i>For Class 52 Rating, Deduct</i>	-1,114.76	
			<i>For Class 54 Rating, Add</i>	1,535.53	
			<i>For Class 55 Rating, Add</i>	2,290.72	
			<i>For Class 56 Rating, Add</i>	3,035.78	
40 05 19 00-2865	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,755.48	850.74
			<i>For Class 52 Rating, Deduct</i>	-1,151.31	
			<i>For Class 54 Rating, Add</i>	1,585.44	
			<i>For Class 55 Rating, Add</i>	2,364.96	
			<i>For Class 56 Rating, Add</i>	3,134.02	
40 05 19 00-2866	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,093.71	854.67
			<i>For Class 52 Rating, Deduct</i>	-1,187.86	
			<i>For Class 54 Rating, Add</i>	1,635.35	
			<i>For Class 55 Rating, Add</i>	2,439.20	
			<i>For Class 56 Rating, Add</i>	3,232.25	
40 05 19 00-2867	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,431.96	858.61
			<i>For Class 52 Rating, Deduct</i>	-1,224.41	
			<i>For Class 54 Rating, Add</i>	1,685.27	
			<i>For Class 55 Rating, Add</i>	2,513.44	
			<i>For Class 56 Rating, Add</i>	3,330.49	
40 05 19 00-2868	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,770.20	862.55
			<i>For Class 52 Rating, Deduct</i>	-1,260.96	
			<i>For Class 54 Rating, Add</i>	1,735.18	
			<i>For Class 55 Rating, Add</i>	2,587.68	
			<i>For Class 56 Rating, Add</i>	3,428.72	
40 05 19 00-2869	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,108.43	866.48
			<i>For Class 52 Rating, Deduct</i>	-1,297.51	
			<i>For Class 54 Rating, Add</i>	1,785.09	
			<i>For Class 55 Rating, Add</i>	2,661.92	
			<i>For Class 56 Rating, Add</i>	3,526.96	
40 05 19 00-2870	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,446.67	870.42
			<i>For Class 52 Rating, Deduct</i>	-1,334.06	
			<i>For Class 54 Rating, Add</i>	1,835.00	
			<i>For Class 55 Rating, Add</i>	2,736.16	
			<i>For Class 56 Rating, Add</i>	3,625.19	
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,784.91	874.37
			<i>For Class 52 Rating, Deduct</i>	-1,370.61	
			<i>For Class 54 Rating, Add</i>	1,884.91	
			<i>For Class 55 Rating, Add</i>	2,810.40	
			<i>For Class 56 Rating, Add</i>	3,723.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2872 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,123.14	878.30
<i>For Class 52 Rating, Deduct</i>	-1,407.16	
<i>For Class 54 Rating, Add</i>	1,934.83	
<i>For Class 55 Rating, Add</i>	2,884.64	
<i>For Class 56 Rating, Add</i>	3,821.66	
40 05 19 00-2873 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,461.38	882.24
<i>For Class 52 Rating, Deduct</i>	-1,443.71	
<i>For Class 54 Rating, Add</i>	1,984.74	
<i>For Class 55 Rating, Add</i>	2,958.88	
<i>For Class 56 Rating, Add</i>	3,919.89	
40 05 19 00-2874 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,799.62	886.18
<i>For Class 52 Rating, Deduct</i>	-1,480.26	
<i>For Class 54 Rating, Add</i>	2,034.65	
<i>For Class 55 Rating, Add</i>	3,033.12	
<i>For Class 56 Rating, Add</i>	4,018.13	
40 05 19 00-2875 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,137.86	890.12
<i>For Class 52 Rating, Deduct</i>	-1,516.81	
<i>For Class 54 Rating, Add</i>	2,084.56	
<i>For Class 55 Rating, Add</i>	3,107.36	
<i>For Class 56 Rating, Add</i>	4,116.36	
40 05 19 00-2876 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,476.09	894.06
<i>For Class 52 Rating, Deduct</i>	-1,553.36	
<i>For Class 54 Rating, Add</i>	2,134.47	
<i>For Class 55 Rating, Add</i>	3,181.60	
<i>For Class 56 Rating, Add</i>	4,214.60	
40 05 19 00-2877 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,814.33	898.00
<i>For Class 52 Rating, Deduct</i>	-1,589.91	
<i>For Class 54 Rating, Add</i>	2,184.39	
<i>For Class 55 Rating, Add</i>	3,255.84	
<i>For Class 56 Rating, Add</i>	4,312.83	
40 05 19 00-2878 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,152.57	901.94
<i>For Class 52 Rating, Deduct</i>	-1,626.46	
<i>For Class 54 Rating, Add</i>	2,234.30	
<i>For Class 55 Rating, Add</i>	3,330.08	
<i>For Class 56 Rating, Add</i>	4,411.07	
 40 05 19 00-2879 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2800)</small>		
40 05 19 00-2880 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,243.47	852.31
<i>For Class 52 Rating, Deduct</i>	-324.73	
<i>For Class 54 Rating, Add</i>	458.31	
<i>For Class 55 Rating, Add</i>	689.31	
<i>For Class 56 Rating, Add</i>	917.36	
40 05 19 00-2881 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,632.82	856.26
<i>For Class 52 Rating, Deduct</i>	-366.90	
<i>For Class 54 Rating, Add</i>	515.89	
<i>For Class 55 Rating, Add</i>	774.95	
<i>For Class 56 Rating, Add</i>	1,030.67	
40 05 19 00-2882 EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,022.17	860.19
<i>For Class 52 Rating, Deduct</i>	-409.07	
<i>For Class 54 Rating, Add</i>	573.47	
<i>For Class 55 Rating, Add</i>	860.59	
<i>For Class 56 Rating, Add</i>	1,143.98	
40 05 19 00-2883 EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,411.53	864.13
<i>For Class 52 Rating, Deduct</i>	-451.25	
<i>For Class 54 Rating, Add</i>	631.05	
<i>For Class 55 Rating, Add</i>	946.22	
<i>For Class 56 Rating, Add</i>	1,257.30	
40 05 19 00-2884 EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,800.88	868.07
<i>For Class 52 Rating, Deduct</i>	-493.42	
<i>For Class 54 Rating, Add</i>	688.63	
<i>For Class 55 Rating, Add</i>	1,031.86	
<i>For Class 56 Rating, Add</i>	1,370.61	
40 05 19 00-2885 EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,190.24	872.00
<i>For Class 52 Rating, Deduct</i>	-535.59	
<i>For Class 54 Rating, Add</i>	746.21	
<i>For Class 55 Rating, Add</i>	1,117.50	
<i>For Class 56 Rating, Add</i>	1,483.93	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2886	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,579.60	875.94
			<i>For Class 52 Rating, Deduct</i>	-577.77	
			<i>For Class 54 Rating, Add</i>	803.79	
			<i>For Class 55 Rating, Add</i>	1,203.14	
			<i>For Class 56 Rating, Add</i>	1,597.24	
40 05 19 00-2887	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,968.95	879.89
			<i>For Class 52 Rating, Deduct</i>	-619.94	
			<i>For Class 54 Rating, Add</i>	861.37	
			<i>For Class 55 Rating, Add</i>	1,288.78	
			<i>For Class 56 Rating, Add</i>	1,710.55	
40 05 19 00-2888	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,358.30	883.82
			<i>For Class 52 Rating, Deduct</i>	-662.11	
			<i>For Class 54 Rating, Add</i>	918.95	
			<i>For Class 55 Rating, Add</i>	1,374.42	
			<i>For Class 56 Rating, Add</i>	1,823.87	
40 05 19 00-2889	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,747.66	887.76
			<i>For Class 52 Rating, Deduct</i>	-704.28	
			<i>For Class 54 Rating, Add</i>	976.53	
			<i>For Class 55 Rating, Add</i>	1,460.06	
			<i>For Class 56 Rating, Add</i>	1,937.18	
40 05 19 00-2890	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,137.03	891.70
			<i>For Class 52 Rating, Deduct</i>	-746.46	
			<i>For Class 54 Rating, Add</i>	1,034.11	
			<i>For Class 55 Rating, Add</i>	1,545.70	
			<i>For Class 56 Rating, Add</i>	2,050.50	
40 05 19 00-2891	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,526.38	895.63
			<i>For Class 52 Rating, Deduct</i>	-788.63	
			<i>For Class 54 Rating, Add</i>	1,091.69	
			<i>For Class 55 Rating, Add</i>	1,631.34	
			<i>For Class 56 Rating, Add</i>	2,163.81	
40 05 19 00-2892	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,915.73	899.58
			<i>For Class 52 Rating, Deduct</i>	-830.80	
			<i>For Class 54 Rating, Add</i>	1,149.27	
			<i>For Class 55 Rating, Add</i>	1,716.97	
			<i>For Class 56 Rating, Add</i>	2,277.13	
40 05 19 00-2893	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,305.09	903.52
			<i>For Class 52 Rating, Deduct</i>	-872.97	
			<i>For Class 54 Rating, Add</i>	1,206.85	
			<i>For Class 55 Rating, Add</i>	1,802.61	
			<i>For Class 56 Rating, Add</i>	2,390.44	
40 05 19 00-2894	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,694.44	907.46
			<i>For Class 52 Rating, Deduct</i>	-915.15	
			<i>For Class 54 Rating, Add</i>	1,264.43	
			<i>For Class 55 Rating, Add</i>	1,888.25	
			<i>For Class 56 Rating, Add</i>	2,503.76	
40 05 19 00-2895	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,083.80	911.39
			<i>For Class 52 Rating, Deduct</i>	-957.32	
			<i>For Class 54 Rating, Add</i>	1,322.01	
			<i>For Class 55 Rating, Add</i>	1,973.89	
			<i>For Class 56 Rating, Add</i>	2,617.07	
40 05 19 00-2896	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,473.16	915.33
			<i>For Class 52 Rating, Deduct</i>	-999.49	
			<i>For Class 54 Rating, Add</i>	1,379.59	
			<i>For Class 55 Rating, Add</i>	2,059.53	
			<i>For Class 56 Rating, Add</i>	2,730.39	
40 05 19 00-2897	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,862.51	919.27
			<i>For Class 52 Rating, Deduct</i>	-1,041.66	
			<i>For Class 54 Rating, Add</i>	1,437.17	
			<i>For Class 55 Rating, Add</i>	2,145.17	
			<i>For Class 56 Rating, Add</i>	2,843.70	
40 05 19 00-2898	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,251.86	923.21
			<i>For Class 52 Rating, Deduct</i>	-1,083.84	
			<i>For Class 54 Rating, Add</i>	1,494.75	
			<i>For Class 55 Rating, Add</i>	2,230.81	
			<i>For Class 56 Rating, Add</i>	2,957.01	
40 05 19 00-2899	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,641.22	927.15
			<i>For Class 52 Rating, Deduct</i>	-1,126.01	
			<i>For Class 54 Rating, Add</i>	1,552.33	
			<i>For Class 55 Rating, Add</i>	2,316.44	
			<i>For Class 56 Rating, Add</i>	3,070.33	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2900 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,030.58	931.09
<i>For Class 52 Rating, Deduct</i>	-1,168.18	
<i>For Class 54 Rating, Add</i>	1,609.91	
<i>For Class 55 Rating, Add</i>	2,402.08	
<i>For Class 56 Rating, Add</i>	3,183.64	
40 05 19 00-2901 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,419.93	935.02
<i>For Class 52 Rating, Deduct</i>	-1,210.36	
<i>For Class 54 Rating, Add</i>	1,667.49	
<i>For Class 55 Rating, Add</i>	2,487.72	
<i>For Class 56 Rating, Add</i>	3,296.96	
40 05 19 00-2902 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,809.28	938.96
<i>For Class 52 Rating, Deduct</i>	-1,252.53	
<i>For Class 54 Rating, Add</i>	1,725.06	
<i>For Class 55 Rating, Add</i>	2,573.36	
<i>For Class 56 Rating, Add</i>	3,410.27	
40 05 19 00-2903 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,198.64	942.91
<i>For Class 52 Rating, Deduct</i>	-1,294.70	
<i>For Class 54 Rating, Add</i>	1,782.65	
<i>For Class 55 Rating, Add</i>	2,659.00	
<i>For Class 56 Rating, Add</i>	3,523.58	
40 05 19 00-2904 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,587.99	946.84
<i>For Class 52 Rating, Deduct</i>	-1,336.87	
<i>For Class 54 Rating, Add</i>	1,840.23	
<i>For Class 55 Rating, Add</i>	2,744.64	
<i>For Class 56 Rating, Add</i>	3,636.90	
40 05 19 00-2905 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,977.35	950.78
<i>For Class 52 Rating, Deduct</i>	-1,379.05	
<i>For Class 54 Rating, Add</i>	1,897.81	
<i>For Class 55 Rating, Add</i>	2,830.28	
<i>For Class 56 Rating, Add</i>	3,750.21	
40 05 19 00-2906 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,366.71	954.72
<i>For Class 52 Rating, Deduct</i>	-1,421.22	
<i>For Class 54 Rating, Add</i>	1,955.39	
<i>For Class 55 Rating, Add</i>	2,915.92	
<i>For Class 56 Rating, Add</i>	3,863.53	
40 05 19 00-2907 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,756.06	958.65
<i>For Class 52 Rating, Deduct</i>	-1,463.39	
<i>For Class 54 Rating, Add</i>	2,012.96	
<i>For Class 55 Rating, Add</i>	3,001.55	
<i>For Class 56 Rating, Add</i>	3,976.84	
40 05 19 00-2908 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,145.41	962.59
<i>For Class 52 Rating, Deduct</i>	-1,505.56	
<i>For Class 54 Rating, Add</i>	2,070.54	
<i>For Class 55 Rating, Add</i>	3,087.19	
<i>For Class 56 Rating, Add</i>	4,090.15	
40 05 19 00-2909 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,534.78	966.54
<i>For Class 52 Rating, Deduct</i>	-1,547.74	
<i>For Class 54 Rating, Add</i>	2,128.12	
<i>For Class 55 Rating, Add</i>	3,172.83	
<i>For Class 56 Rating, Add</i>	4,203.47	
40 05 19 00-2910 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,924.14	970.47
<i>For Class 52 Rating, Deduct</i>	-1,589.91	
<i>For Class 54 Rating, Add</i>	2,185.70	
<i>For Class 55 Rating, Add</i>	3,258.47	
<i>For Class 56 Rating, Add</i>	4,316.79	
40 05 19 00-2911 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,313.49	974.41
<i>For Class 52 Rating, Deduct</i>	-1,632.08	
<i>For Class 54 Rating, Add</i>	2,243.28	
<i>For Class 55 Rating, Add</i>	3,344.11	
<i>For Class 56 Rating, Add</i>	4,430.10	
40 05 19 00-2912 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,702.84	978.35
<i>For Class 52 Rating, Deduct</i>	-1,674.26	
<i>For Class 54 Rating, Add</i>	2,300.86	
<i>For Class 55 Rating, Add</i>	3,429.75	
<i>For Class 56 Rating, Add</i>	4,543.41	
40 05 19 00-2913 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,092.20	982.28
<i>For Class 52 Rating, Deduct</i>	-1,716.43	
<i>For Class 54 Rating, Add</i>	2,358.44	
<i>For Class 55 Rating, Add</i>	3,515.39	
<i>For Class 56 Rating, Add</i>	4,656.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2914	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,481.56	986.23
			<i>For Class 52 Rating, Deduct</i>	-1,758.60	
			<i>For Class 54 Rating, Add</i>	2,416.02	
			<i>For Class 55 Rating, Add</i>	3,601.03	
			<i>For Class 56 Rating, Add</i>	4,770.04	
40 05 19 00-2915	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,870.91	990.17
			<i>For Class 52 Rating, Deduct</i>	-1,800.77	
			<i>For Class 54 Rating, Add</i>	2,473.60	
			<i>For Class 55 Rating, Add</i>	3,686.67	
			<i>For Class 56 Rating, Add</i>	4,883.36	
40 05 19 00-2916	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,260.27	994.10
			<i>For Class 52 Rating, Deduct</i>	-1,842.95	
			<i>For Class 54 Rating, Add</i>	2,531.18	
			<i>For Class 55 Rating, Add</i>	3,772.30	
			<i>For Class 56 Rating, Add</i>	4,996.67	
40 05 19 00-2917	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,649.62	998.04
			<i>For Class 52 Rating, Deduct</i>	-1,885.12	
			<i>For Class 54 Rating, Add</i>	2,588.76	
			<i>For Class 55 Rating, Add</i>	3,857.94	
			<i>For Class 56 Rating, Add</i>	5,109.98	
40 05 19 00-2918			20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2919	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,911.69	972.83
			<i>For Class 52 Rating, Deduct</i>	-378.15	
			<i>For Class 54 Rating, Add</i>	533.34	
			<i>For Class 55 Rating, Add</i>	801.98	
			<i>For Class 56 Rating, Add</i>	1,067.19	
40 05 19 00-2920	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,354.72	976.76
			<i>For Class 52 Rating, Deduct</i>	-426.22	
			<i>For Class 54 Rating, Add</i>	598.97	
			<i>For Class 55 Rating, Add</i>	899.59	
			<i>For Class 56 Rating, Add</i>	1,196.34	
40 05 19 00-2921	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,797.76	980.71
			<i>For Class 52 Rating, Deduct</i>	-474.30	
			<i>For Class 54 Rating, Add</i>	664.61	
			<i>For Class 55 Rating, Add</i>	997.20	
			<i>For Class 56 Rating, Add</i>	1,325.49	
40 05 19 00-2922	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,240.78	984.65
			<i>For Class 52 Rating, Deduct</i>	-522.38	
			<i>For Class 54 Rating, Add</i>	730.24	
			<i>For Class 55 Rating, Add</i>	1,094.81	
			<i>For Class 56 Rating, Add</i>	1,454.63	
40 05 19 00-2923	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,683.81	988.58
			<i>For Class 52 Rating, Deduct</i>	-570.46	
			<i>For Class 54 Rating, Add</i>	795.87	
			<i>For Class 55 Rating, Add</i>	1,192.42	
			<i>For Class 56 Rating, Add</i>	1,583.78	
40 05 19 00-2924	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,126.84	992.52
			<i>For Class 52 Rating, Deduct</i>	-618.53	
			<i>For Class 54 Rating, Add</i>	861.50	
			<i>For Class 55 Rating, Add</i>	1,290.03	
			<i>For Class 56 Rating, Add</i>	1,712.93	
40 05 19 00-2925	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,569.88	996.46
			<i>For Class 52 Rating, Deduct</i>	-666.61	
			<i>For Class 54 Rating, Add</i>	927.13	
			<i>For Class 55 Rating, Add</i>	1,387.64	
			<i>For Class 56 Rating, Add</i>	1,842.08	
40 05 19 00-2926	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,012.90	1,000.40
			<i>For Class 52 Rating, Deduct</i>	-714.69	
			<i>For Class 54 Rating, Add</i>	992.76	
			<i>For Class 55 Rating, Add</i>	1,485.24	
			<i>For Class 56 Rating, Add</i>	1,971.23	
40 05 19 00-2927	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,455.93	1,004.34
			<i>For Class 52 Rating, Deduct</i>	-762.76	
			<i>For Class 54 Rating, Add</i>	1,058.39	
			<i>For Class 55 Rating, Add</i>	1,582.85	
			<i>For Class 56 Rating, Add</i>	2,100.37	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2928 EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,898.97	1,008.28
<i>For Class 52 Rating, Deduct</i>	-810.84	
<i>For Class 54 Rating, Add</i>	1,124.02	
<i>For Class 55 Rating, Add</i>	1,680.46	
<i>For Class 56 Rating, Add</i>	2,229.52	
40 05 19 00-2929 EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,342.00	1,012.21
<i>For Class 52 Rating, Deduct</i>	-858.92	
<i>For Class 54 Rating, Add</i>	1,189.65	
<i>For Class 55 Rating, Add</i>	1,778.07	
<i>For Class 56 Rating, Add</i>	2,358.67	
40 05 19 00-2930 EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,785.03	1,016.15
<i>For Class 52 Rating, Deduct</i>	-906.99	
<i>For Class 54 Rating, Add</i>	1,255.29	
<i>For Class 55 Rating, Add</i>	1,875.68	
<i>For Class 56 Rating, Add</i>	2,487.82	
40 05 19 00-2931 EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,228.06	1,020.09
<i>For Class 52 Rating, Deduct</i>	-955.07	
<i>For Class 54 Rating, Add</i>	1,320.92	
<i>For Class 55 Rating, Add</i>	1,973.28	
<i>For Class 56 Rating, Add</i>	2,616.97	
40 05 19 00-2932 EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,671.08	1,024.03
<i>For Class 52 Rating, Deduct</i>	-1,003.15	
<i>For Class 54 Rating, Add</i>	1,386.55	
<i>For Class 55 Rating, Add</i>	2,070.89	
<i>For Class 56 Rating, Add</i>	2,746.11	
40 05 19 00-2933 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,114.11	1,027.97
<i>For Class 52 Rating, Deduct</i>	-1,051.22	
<i>For Class 54 Rating, Add</i>	1,452.18	
<i>For Class 55 Rating, Add</i>	2,168.50	
<i>For Class 56 Rating, Add</i>	2,875.26	
40 05 19 00-2934 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,557.15	1,031.91
<i>For Class 52 Rating, Deduct</i>	-1,099.30	
<i>For Class 54 Rating, Add</i>	1,517.81	
<i>For Class 55 Rating, Add</i>	2,266.11	
<i>For Class 56 Rating, Add</i>	3,004.41	
40 05 19 00-2935 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,000.18	1,035.84
<i>For Class 52 Rating, Deduct</i>	-1,147.38	
<i>For Class 54 Rating, Add</i>	1,583.44	
<i>For Class 55 Rating, Add</i>	2,363.72	
<i>For Class 56 Rating, Add</i>	3,133.56	
40 05 19 00-2936 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,443.20	1,039.78
<i>For Class 52 Rating, Deduct</i>	-1,195.45	
<i>For Class 54 Rating, Add</i>	1,649.07	
<i>For Class 55 Rating, Add</i>	2,461.32	
<i>For Class 56 Rating, Add</i>	3,262.71	
40 05 19 00-2937 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,886.23	1,043.73
<i>For Class 52 Rating, Deduct</i>	-1,243.53	
<i>For Class 54 Rating, Add</i>	1,714.70	
<i>For Class 55 Rating, Add</i>	2,558.93	
<i>For Class 56 Rating, Add</i>	3,391.86	
40 05 19 00-2938 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,329.27	1,047.67
<i>For Class 52 Rating, Deduct</i>	-1,291.61	
<i>For Class 54 Rating, Add</i>	1,780.33	
<i>For Class 55 Rating, Add</i>	2,656.54	
<i>For Class 56 Rating, Add</i>	3,521.01	
40 05 19 00-2939 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,772.29	1,051.60
<i>For Class 52 Rating, Deduct</i>	-1,339.69	
<i>For Class 54 Rating, Add</i>	1,845.96	
<i>For Class 55 Rating, Add</i>	2,754.15	
<i>For Class 56 Rating, Add</i>	3,650.15	
40 05 19 00-2940 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,215.32	1,055.54
<i>For Class 52 Rating, Deduct</i>	-1,387.76	
<i>For Class 54 Rating, Add</i>	1,911.59	
<i>For Class 55 Rating, Add</i>	2,851.76	
<i>For Class 56 Rating, Add</i>	3,779.30	
40 05 19 00-2941 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,658.35	1,059.48
<i>For Class 52 Rating, Deduct</i>	-1,435.84	
<i>For Class 54 Rating, Add</i>	1,977.23	
<i>For Class 55 Rating, Add</i>	2,949.36	
<i>For Class 56 Rating, Add</i>	3,908.45	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,101.38		1,063.41
		<i>For Class 52 Rating, Deduct</i>	-1,483.92		
		<i>For Class 54 Rating, Add</i>	2,042.86		
		<i>For Class 55 Rating, Add</i>	3,046.97		
		<i>For Class 56 Rating, Add</i>	4,037.60		
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,544.41		1,067.36
		<i>For Class 52 Rating, Deduct</i>	-1,531.99		
		<i>For Class 54 Rating, Add</i>	2,108.49		
		<i>For Class 55 Rating, Add</i>	3,144.58		
		<i>For Class 56 Rating, Add</i>	4,166.75		
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,987.44		1,071.30
		<i>For Class 52 Rating, Deduct</i>	-1,580.07		
		<i>For Class 54 Rating, Add</i>	2,174.12		
		<i>For Class 55 Rating, Add</i>	3,242.19		
		<i>For Class 56 Rating, Add</i>	4,295.89		
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,430.47		1,075.23
		<i>For Class 52 Rating, Deduct</i>	-1,628.15		
		<i>For Class 54 Rating, Add</i>	2,239.75		
		<i>For Class 55 Rating, Add</i>	3,339.80		
		<i>For Class 56 Rating, Add</i>	4,425.04		
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,873.50		1,079.17
		<i>For Class 52 Rating, Deduct</i>	-1,676.22		
		<i>For Class 54 Rating, Add</i>	2,305.38		
		<i>For Class 55 Rating, Add</i>	3,437.41		
		<i>For Class 56 Rating, Add</i>	4,554.19		
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,316.53		1,083.11
		<i>For Class 52 Rating, Deduct</i>	-1,724.30		
		<i>For Class 54 Rating, Add</i>	2,371.01		
		<i>For Class 55 Rating, Add</i>	3,535.01		
		<i>For Class 56 Rating, Add</i>	4,683.34		
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,759.57		1,087.05
		<i>For Class 52 Rating, Deduct</i>	-1,772.38		
		<i>For Class 54 Rating, Add</i>	2,436.64		
		<i>For Class 55 Rating, Add</i>	3,632.62		
		<i>For Class 56 Rating, Add</i>	4,812.49		
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,202.59		1,090.99
		<i>For Class 52 Rating, Deduct</i>	-1,820.45		
		<i>For Class 54 Rating, Add</i>	2,502.27		
		<i>For Class 55 Rating, Add</i>	3,730.23		
		<i>For Class 56 Rating, Add</i>	4,941.63		
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,645.62		1,094.93
		<i>For Class 52 Rating, Deduct</i>	-1,868.53		
		<i>For Class 54 Rating, Add</i>	2,567.90		
		<i>For Class 55 Rating, Add</i>	3,827.84		
		<i>For Class 56 Rating, Add</i>	5,070.78		
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,088.66		1,098.86
		<i>For Class 52 Rating, Deduct</i>	-1,916.61		
		<i>For Class 54 Rating, Add</i>	2,633.54		
		<i>For Class 55 Rating, Add</i>	3,925.45		
		<i>For Class 56 Rating, Add</i>	5,199.93		
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,531.68		1,102.80
		<i>For Class 52 Rating, Deduct</i>	-1,964.68		
		<i>For Class 54 Rating, Add</i>	2,699.17		
		<i>For Class 55 Rating, Add</i>	4,023.05		
		<i>For Class 56 Rating, Add</i>	5,329.08		
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,974.71		1,106.74
		<i>For Class 52 Rating, Deduct</i>	-2,012.76		
		<i>For Class 54 Rating, Add</i>	2,764.80		
		<i>For Class 55 Rating, Add</i>	4,120.66		
		<i>For Class 56 Rating, Add</i>	5,458.23		
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,417.74		1,110.68
		<i>For Class 52 Rating, Deduct</i>	-2,060.84		
		<i>For Class 54 Rating, Add</i>	2,830.43		
		<i>For Class 55 Rating, Add</i>	4,218.27		
		<i>For Class 56 Rating, Add</i>	5,587.38		
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,860.78		1,114.62
		<i>For Class 52 Rating, Deduct</i>	-2,108.92		
		<i>For Class 54 Rating, Add</i>	2,896.06		
		<i>For Class 55 Rating, Add</i>	4,315.88		
		<i>For Class 56 Rating, Add</i>	5,716.53		



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2956 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,303.80	1,118.56
For Class 52 Rating, Deduct	-2,156.99	
For Class 54 Rating, Add	2,961.69	
For Class 55 Rating, Add	4,413.49	
For Class 56 Rating, Add	5,845.67	
40 05 19 00-2957 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(#40 05 19 00-2600)</small>		
40 05 19 00-2958 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,082.47	1,150.06
For Class 52 Rating, Deduct	-477.39	
For Class 54 Rating, Add	671.90	
For Class 55 Rating, Add	1,009.63	
For Class 56 Rating, Add	1,343.02	
40 05 19 00-2959 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,630.30	1,154.01
For Class 52 Rating, Deduct	-537.00	
For Class 54 Rating, Add	753.25	
For Class 55 Rating, Add	1,130.61	
For Class 56 Rating, Add	1,503.08	
40 05 19 00-2960 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,178.12	1,157.94
For Class 52 Rating, Deduct	-596.60	
For Class 54 Rating, Add	834.60	
For Class 55 Rating, Add	1,251.58	
For Class 56 Rating, Add	1,663.14	
40 05 19 00-2961 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,725.95	1,161.88
For Class 52 Rating, Deduct	-656.21	
For Class 54 Rating, Add	915.95	
For Class 55 Rating, Add	1,372.56	
For Class 56 Rating, Add	1,823.20	
40 05 19 00-2962 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,273.77	1,165.82
For Class 52 Rating, Deduct	-715.81	
For Class 54 Rating, Add	997.30	
For Class 55 Rating, Add	1,493.54	
For Class 56 Rating, Add	1,983.26	
40 05 19 00-2963 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,821.59	1,169.75
For Class 52 Rating, Deduct	-775.42	
For Class 54 Rating, Add	1,078.65	
For Class 55 Rating, Add	1,614.51	
For Class 56 Rating, Add	2,143.33	
40 05 19 00-2964 EA 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,369.41	1,173.70
For Class 52 Rating, Deduct	-835.02	
For Class 54 Rating, Add	1,160.00	
For Class 55 Rating, Add	1,735.49	
For Class 56 Rating, Add	2,303.39	
40 05 19 00-2965 EA 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,917.24	1,177.64
For Class 52 Rating, Deduct	-894.62	
For Class 54 Rating, Add	1,241.35	
For Class 55 Rating, Add	1,856.47	
For Class 56 Rating, Add	2,463.45	
40 05 19 00-2966 EA 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,465.06	1,181.57
For Class 52 Rating, Deduct	-954.23	
For Class 54 Rating, Add	1,322.70	
For Class 55 Rating, Add	1,977.44	
For Class 56 Rating, Add	2,623.51	
40 05 19 00-2967 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,012.88	1,185.51
For Class 52 Rating, Deduct	-1,013.83	
For Class 54 Rating, Add	1,404.05	
For Class 55 Rating, Add	2,098.42	
For Class 56 Rating, Add	2,783.58	
40 05 19 00-2968 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,560.70	1,189.45
For Class 52 Rating, Deduct	-1,073.44	
For Class 54 Rating, Add	1,485.40	
For Class 55 Rating, Add	2,219.40	
For Class 56 Rating, Add	2,943.64	
40 05 19 00-2969 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,108.53	1,193.38
For Class 52 Rating, Deduct	-1,133.04	
For Class 54 Rating, Add	1,566.75	
For Class 55 Rating, Add	2,340.38	
For Class 56 Rating, Add	3,103.70	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2970	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,656.34	1,197.33
			<i>For Class 52 Rating, Deduct</i>	-1,192.64	
			<i>For Class 54 Rating, Add</i>	1,648.10	
			<i>For Class 55 Rating, Add</i>	2,461.35	
			<i>For Class 56 Rating, Add</i>	3,263.76	
40 05 19 00-2971	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,204.17	1,201.27
			<i>For Class 52 Rating, Deduct</i>	-1,252.25	
			<i>For Class 54 Rating, Add</i>	1,729.45	
			<i>For Class 55 Rating, Add</i>	2,582.33	
			<i>For Class 56 Rating, Add</i>	3,423.82	
40 05 19 00-2972	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,751.99	1,205.20
			<i>For Class 52 Rating, Deduct</i>	-1,311.85	
			<i>For Class 54 Rating, Add</i>	1,810.80	
			<i>For Class 55 Rating, Add</i>	2,703.31	
			<i>For Class 56 Rating, Add</i>	3,583.88	
40 05 19 00-2973	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,299.81	1,209.14
			<i>For Class 52 Rating, Deduct</i>	-1,371.46	
			<i>For Class 54 Rating, Add</i>	1,892.15	
			<i>For Class 55 Rating, Add</i>	2,824.28	
			<i>For Class 56 Rating, Add</i>	3,743.95	
40 05 19 00-2974	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,847.63	1,213.08
			<i>For Class 52 Rating, Deduct</i>	-1,431.06	
			<i>For Class 54 Rating, Add</i>	1,973.50	
			<i>For Class 55 Rating, Add</i>	2,945.26	
			<i>For Class 56 Rating, Add</i>	3,904.01	
40 05 19 00-2975	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,395.46	1,217.03
			<i>For Class 52 Rating, Deduct</i>	-1,490.66	
			<i>For Class 54 Rating, Add</i>	2,054.85	
			<i>For Class 55 Rating, Add</i>	3,066.24	
			<i>For Class 56 Rating, Add</i>	4,064.07	
40 05 19 00-2976	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,943.28	1,220.96
			<i>For Class 52 Rating, Deduct</i>	-1,550.27	
			<i>For Class 54 Rating, Add</i>	2,136.20	
			<i>For Class 55 Rating, Add</i>	3,187.21	
			<i>For Class 56 Rating, Add</i>	4,224.13	
40 05 19 00-2977	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,491.10	1,224.90
			<i>For Class 52 Rating, Deduct</i>	-1,609.87	
			<i>For Class 54 Rating, Add</i>	2,217.55	
			<i>For Class 55 Rating, Add</i>	3,308.19	
			<i>For Class 56 Rating, Add</i>	4,384.20	
40 05 19 00-2978	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,038.92	1,228.84
			<i>For Class 52 Rating, Deduct</i>	-1,669.48	
			<i>For Class 54 Rating, Add</i>	2,298.90	
			<i>For Class 55 Rating, Add</i>	3,429.17	
			<i>For Class 56 Rating, Add</i>	4,544.26	
40 05 19 00-2979	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,586.76	1,232.77
			<i>For Class 52 Rating, Deduct</i>	-1,729.08	
			<i>For Class 54 Rating, Add</i>	2,380.25	
			<i>For Class 55 Rating, Add</i>	3,550.15	
			<i>For Class 56 Rating, Add</i>	4,704.32	
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,134.57	1,236.72
			<i>For Class 52 Rating, Deduct</i>	-1,788.68	
			<i>For Class 54 Rating, Add</i>	2,461.60	
			<i>For Class 55 Rating, Add</i>	3,671.12	
			<i>For Class 56 Rating, Add</i>	4,864.38	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,682.40	1,240.66
			<i>For Class 52 Rating, Deduct</i>	-1,848.29	
			<i>For Class 54 Rating, Add</i>	2,542.95	
			<i>For Class 55 Rating, Add</i>	3,792.10	
			<i>For Class 56 Rating, Add</i>	5,024.44	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,230.22	1,244.59
			<i>For Class 52 Rating, Deduct</i>	-1,907.89	
			<i>For Class 54 Rating, Add</i>	2,624.30	
			<i>For Class 55 Rating, Add</i>	3,913.07	
			<i>For Class 56 Rating, Add</i>	5,184.51	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,778.04	1,248.53
			<i>For Class 52 Rating, Deduct</i>	-1,967.50	
			<i>For Class 54 Rating, Add</i>	2,705.65	
			<i>For Class 55 Rating, Add</i>	4,034.05	
			<i>For Class 56 Rating, Add</i>	5,344.57	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2984 EA 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,325.86	1,252.47
For Class 52 Rating, Deduct	-2,027.10	
For Class 54 Rating, Add	2,787.00	
For Class 55 Rating, Add	4,155.03	
For Class 56 Rating, Add	5,504.63	
40 05 19 00-2985 EA 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,873.69	1,256.40
For Class 52 Rating, Deduct	-2,086.70	
For Class 54 Rating, Add	2,868.35	
For Class 55 Rating, Add	4,276.01	
For Class 56 Rating, Add	5,664.69	
40 05 19 00-2986 EA 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,421.51	1,260.35
For Class 52 Rating, Deduct	-2,146.31	
For Class 54 Rating, Add	2,949.70	
For Class 55 Rating, Add	4,396.98	
For Class 56 Rating, Add	5,824.75	
40 05 19 00-2987 EA 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,070.78	1,331.24
For Class 52 Rating, Deduct	-2,205.91	
For Class 54 Rating, Add	3,032.27	
For Class 55 Rating, Add	4,520.39	
For Class 56 Rating, Add	5,988.47	
40 05 19 00-2988 EA 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,618.60	1,335.18
For Class 52 Rating, Deduct	-2,265.52	
For Class 54 Rating, Add	3,113.62	
For Class 55 Rating, Add	4,641.37	
For Class 56 Rating, Add	6,148.53	
40 05 19 00-2989 EA 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,166.43	1,339.11
For Class 52 Rating, Deduct	-2,325.12	
For Class 54 Rating, Add	3,194.97	
For Class 55 Rating, Add	4,762.35	
For Class 56 Rating, Add	6,308.59	
40 05 19 00-2990 EA 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,714.24	1,343.05
For Class 52 Rating, Deduct	-2,384.72	
For Class 54 Rating, Add	3,276.32	
For Class 55 Rating, Add	4,883.32	
For Class 56 Rating, Add	6,468.65	
40 05 19 00-2991 EA 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,262.07	1,347.00
For Class 52 Rating, Deduct	-2,444.33	
For Class 54 Rating, Add	3,357.67	
For Class 55 Rating, Add	5,004.30	
For Class 56 Rating, Add	6,628.72	
40 05 19 00-2992 EA 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,807.34	1,350.93
For Class 52 Rating, Deduct	-2,503.65	
For Class 54 Rating, Add	3,438.63	
For Class 55 Rating, Add	5,124.71	
For Class 56 Rating, Add	6,788.03	
40 05 19 00-2993 EA 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,357.71	1,354.87
For Class 52 Rating, Deduct	-2,563.54	
For Class 54 Rating, Add	3,520.37	
For Class 55 Rating, Add	5,246.26	
For Class 56 Rating, Add	6,948.84	
40 05 19 00-2994 EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,905.53	1,358.81
For Class 52 Rating, Deduct	-2,623.14	
For Class 54 Rating, Add	3,601.72	
For Class 55 Rating, Add	5,367.23	
For Class 56 Rating, Add	7,108.90	
40 05 19 00-2995 EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,453.36	1,362.74
For Class 52 Rating, Deduct	-2,682.74	
For Class 54 Rating, Add	3,683.07	
For Class 55 Rating, Add	5,488.21	
For Class 56 Rating, Add	7,268.97	
40 05 19 00-2996 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-2600)</small>		
40 05 19 00-2997 EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,293.16	1,622.69
For Class 52 Rating, Deduct	-751.80	
For Class 54 Rating, Add	1,054.68	
For Class 55 Rating, Add	1,583.11	
For Class 56 Rating, Add	2,104.70	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2998	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,076.13	1,626.64
			<i>For Class 52 Rating, Deduct</i>	-837.27	
			<i>For Class 54 Rating, Add</i>	1,171.30	
			<i>For Class 55 Rating, Add</i>	1,756.52	
			<i>For Class 56 Rating, Add</i>	2,334.13	
40 05 19 00-2999	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,859.10	1,630.57
			<i>For Class 52 Rating, Deduct</i>	-922.74	
			<i>For Class 54 Rating, Add</i>	1,287.93	
			<i>For Class 55 Rating, Add</i>	1,929.94	
			<i>For Class 56 Rating, Add</i>	2,563.56	
40 05 19 00-3000	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,642.06	1,634.51
			<i>For Class 52 Rating, Deduct</i>	-1,008.21	
			<i>For Class 54 Rating, Add</i>	1,404.55	
			<i>For Class 55 Rating, Add</i>	2,103.35	
			<i>For Class 56 Rating, Add</i>	2,792.99	
40 05 19 00-3001	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,425.03	1,638.45
			<i>For Class 52 Rating, Deduct</i>	-1,093.68	
			<i>For Class 54 Rating, Add</i>	1,521.17	
			<i>For Class 55 Rating, Add</i>	2,276.76	
			<i>For Class 56 Rating, Add</i>	3,022.42	
40 05 19 00-3002	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,208.00	1,642.38
			<i>For Class 52 Rating, Deduct</i>	-1,179.15	
			<i>For Class 54 Rating, Add</i>	1,637.79	
			<i>For Class 55 Rating, Add</i>	2,450.18	
			<i>For Class 56 Rating, Add</i>	3,251.85	
40 05 19 00-3003	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,990.96	1,646.33
			<i>For Class 52 Rating, Deduct</i>	-1,264.62	
			<i>For Class 54 Rating, Add</i>	1,754.41	
			<i>For Class 55 Rating, Add</i>	2,623.59	
			<i>For Class 56 Rating, Add</i>	3,481.28	
40 05 19 00-3004	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,773.93	1,650.27
			<i>For Class 52 Rating, Deduct</i>	-1,350.09	
			<i>For Class 54 Rating, Add</i>	1,871.03	
			<i>For Class 55 Rating, Add</i>	2,797.01	
			<i>For Class 56 Rating, Add</i>	3,710.71	
40 05 19 00-3005	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,556.90	1,654.20
			<i>For Class 52 Rating, Deduct</i>	-1,435.56	
			<i>For Class 54 Rating, Add</i>	1,987.66	
			<i>For Class 55 Rating, Add</i>	2,970.42	
			<i>For Class 56 Rating, Add</i>	3,940.14	
40 05 19 00-3006	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,339.86	1,658.14
			<i>For Class 52 Rating, Deduct</i>	-1,521.03	
			<i>For Class 54 Rating, Add</i>	2,104.28	
			<i>For Class 55 Rating, Add</i>	3,143.84	
			<i>For Class 56 Rating, Add</i>	4,169.57	
40 05 19 00-3007	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,122.83	1,662.08
			<i>For Class 52 Rating, Deduct</i>	-1,606.50	
			<i>For Class 54 Rating, Add</i>	2,220.90	
			<i>For Class 55 Rating, Add</i>	3,317.25	
			<i>For Class 56 Rating, Add</i>	4,399.00	
40 05 19 00-3008	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,905.80	1,666.01
			<i>For Class 52 Rating, Deduct</i>	-1,691.97	
			<i>For Class 54 Rating, Add</i>	2,337.52	
			<i>For Class 55 Rating, Add</i>	3,490.66	
			<i>For Class 56 Rating, Add</i>	4,628.43	
40 05 19 00-3009	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,688.77	1,669.96
			<i>For Class 52 Rating, Deduct</i>	-1,777.44	
			<i>For Class 54 Rating, Add</i>	2,454.14	
			<i>For Class 55 Rating, Add</i>	3,664.08	
			<i>For Class 56 Rating, Add</i>	4,857.85	
40 05 19 00-3010	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,471.73	1,673.90
			<i>For Class 52 Rating, Deduct</i>	-1,862.91	
			<i>For Class 54 Rating, Add</i>	2,570.76	
			<i>For Class 55 Rating, Add</i>	3,837.49	
			<i>For Class 56 Rating, Add</i>	5,087.28	
40 05 19 00-3011	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,254.70	1,677.83
			<i>For Class 52 Rating, Deduct</i>	-1,948.38	
			<i>For Class 54 Rating, Add</i>	2,687.39	
			<i>For Class 55 Rating, Add</i>	4,010.91	
			<i>For Class 56 Rating, Add</i>	5,316.71	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3012 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,037.68	1,681.77
<i>For Class 52 Rating, Deduct</i>	-2,033.85	
<i>For Class 54 Rating, Add</i>	2,804.01	
<i>For Class 55 Rating, Add</i>	4,184.32	
<i>For Class 56 Rating, Add</i>	5,546.14	
40 05 19 00-3013 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,820.63	1,685.71
<i>For Class 52 Rating, Deduct</i>	-2,119.32	
<i>For Class 54 Rating, Add</i>	2,920.63	
<i>For Class 55 Rating, Add</i>	4,357.73	
<i>For Class 56 Rating, Add</i>	5,775.57	
40 05 19 00-3014 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,603.60	1,689.65
<i>For Class 52 Rating, Deduct</i>	-2,204.79	
<i>For Class 54 Rating, Add</i>	3,037.25	
<i>For Class 55 Rating, Add</i>	4,531.15	
<i>For Class 56 Rating, Add</i>	6,005.00	
40 05 19 00-3015 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,386.57	1,693.59
<i>For Class 52 Rating, Deduct</i>	-2,290.26	
<i>For Class 54 Rating, Add</i>	3,153.87	
<i>For Class 55 Rating, Add</i>	4,704.56	
<i>For Class 56 Rating, Add</i>	6,234.43	
40 05 19 00-3016 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,169.53	1,697.53
<i>For Class 52 Rating, Deduct</i>	-2,375.73	
<i>For Class 54 Rating, Add</i>	3,270.49	
<i>For Class 55 Rating, Add</i>	4,877.98	
<i>For Class 56 Rating, Add</i>	6,463.86	
40 05 19 00-3017 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,952.50	1,701.47
<i>For Class 52 Rating, Deduct</i>	-2,461.20	
<i>For Class 54 Rating, Add</i>	3,387.11	
<i>For Class 55 Rating, Add</i>	5,051.39	
<i>For Class 56 Rating, Add</i>	6,693.29	
40 05 19 00-3018 EA 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,735.47	1,705.40
<i>For Class 52 Rating, Deduct</i>	-2,546.67	
<i>For Class 54 Rating, Add</i>	3,503.74	
<i>For Class 55 Rating, Add</i>	5,224.80	
<i>For Class 56 Rating, Add</i>	6,922.72	
40 05 19 00-3019 EA 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,518.44	1,709.34
<i>For Class 52 Rating, Deduct</i>	-2,632.14	
<i>For Class 54 Rating, Add</i>	3,620.36	
<i>For Class 55 Rating, Add</i>	5,398.22	
<i>For Class 56 Rating, Add</i>	7,152.15	
40 05 19 00-3020 EA 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,301.40	1,713.29
<i>For Class 52 Rating, Deduct</i>	-2,717.61	
<i>For Class 54 Rating, Add</i>	3,736.98	
<i>For Class 55 Rating, Add</i>	5,571.63	
<i>For Class 56 Rating, Add</i>	7,381.58	
40 05 19 00-3021 EA 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,084.37	1,717.22
<i>For Class 52 Rating, Deduct</i>	-2,803.08	
<i>For Class 54 Rating, Add</i>	3,853.60	
<i>For Class 55 Rating, Add</i>	5,745.05	
<i>For Class 56 Rating, Add</i>	7,611.01	
40 05 19 00-3022 EA 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,867.34	1,721.16
<i>For Class 52 Rating, Deduct</i>	-2,888.55	
<i>For Class 54 Rating, Add</i>	3,970.22	
<i>For Class 55 Rating, Add</i>	5,918.46	
<i>For Class 56 Rating, Add</i>	7,840.44	
40 05 19 00-3023 EA 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,650.30	1,725.10
<i>For Class 52 Rating, Deduct</i>	-2,974.02	
<i>For Class 54 Rating, Add</i>	4,086.84	
<i>For Class 55 Rating, Add</i>	6,091.87	
<i>For Class 56 Rating, Add</i>	8,069.87	
40 05 19 00-3024 EA 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,433.27	1,729.03
<i>For Class 52 Rating, Deduct</i>	-3,059.49	
<i>For Class 54 Rating, Add</i>	4,203.47	
<i>For Class 55 Rating, Add</i>	6,265.29	
<i>For Class 56 Rating, Add</i>	8,299.30	
40 05 19 00-3025 EA 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,216.24	1,732.98
<i>For Class 52 Rating, Deduct</i>	-3,144.96	
<i>For Class 54 Rating, Add</i>	4,320.09	
<i>For Class 55 Rating, Add</i>	6,438.70	
<i>For Class 56 Rating, Add</i>	8,528.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3026	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,999.20	1,736.92
			<i>For Class 52 Rating, Deduct</i>	-3,230.43	
			<i>For Class 54 Rating, Add</i>	4,436.71	
			<i>For Class 55 Rating, Add</i>	6,612.12	
			<i>For Class 56 Rating, Add</i>	8,758.16	
40 05 19 00-3027	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,782.17	1,740.85
			<i>For Class 52 Rating, Deduct</i>	-3,315.90	
			<i>For Class 54 Rating, Add</i>	4,553.33	
			<i>For Class 55 Rating, Add</i>	6,785.53	
			<i>For Class 56 Rating, Add</i>	8,987.59	
40 05 19 00-3028	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,565.14	1,744.79
			<i>For Class 52 Rating, Deduct</i>	-3,401.37	
			<i>For Class 54 Rating, Add</i>	4,669.95	
			<i>For Class 55 Rating, Add</i>	6,958.95	
			<i>For Class 56 Rating, Add</i>	9,217.02	
40 05 19 00-3029	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,348.11	1,748.73
			<i>For Class 52 Rating, Deduct</i>	-3,486.84	
			<i>For Class 54 Rating, Add</i>	4,786.57	
			<i>For Class 55 Rating, Add</i>	7,132.36	
			<i>For Class 56 Rating, Add</i>	9,446.45	
40 05 19 00-3030	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,131.07	1,752.66
			<i>For Class 52 Rating, Deduct</i>	-3,572.31	
			<i>For Class 54 Rating, Add</i>	4,903.19	
			<i>For Class 55 Rating, Add</i>	7,305.77	
			<i>For Class 56 Rating, Add</i>	9,675.88	
40 05 19 00-3031	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,914.05	1,756.61
			<i>For Class 52 Rating, Deduct</i>	-3,657.78	
			<i>For Class 54 Rating, Add</i>	5,019.82	
			<i>For Class 55 Rating, Add</i>	7,479.19	
			<i>For Class 56 Rating, Add</i>	9,905.31	
40 05 19 00-3032			36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-3033	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,778.99	2,055.94
			<i>For Class 52 Rating, Deduct</i>	-1,063.03	
			<i>For Class 54 Rating, Add</i>	1,486.97	
			<i>For Class 55 Rating, Add</i>	2,229.82	
			<i>For Class 56 Rating, Add</i>	2,963.00	
40 05 19 00-3034	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,827.78	2,059.88
			<i>For Class 52 Rating, Deduct</i>	-1,177.74	
			<i>For Class 54 Rating, Add</i>	1,643.46	
			<i>For Class 55 Rating, Add</i>	2,462.51	
			<i>For Class 56 Rating, Add</i>	3,270.85	
40 05 19 00-3035	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,876.56	2,063.82
			<i>For Class 52 Rating, Deduct</i>	-1,292.45	
			<i>For Class 54 Rating, Add</i>	1,799.96	
			<i>For Class 55 Rating, Add</i>	2,695.20	
			<i>For Class 56 Rating, Add</i>	3,578.69	
40 05 19 00-3036	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,925.34	2,067.75
			<i>For Class 52 Rating, Deduct</i>	-1,407.16	
			<i>For Class 54 Rating, Add</i>	1,956.45	
			<i>For Class 55 Rating, Add</i>	2,927.89	
			<i>For Class 56 Rating, Add</i>	3,886.54	
40 05 19 00-3037	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,974.13	2,071.69
			<i>For Class 52 Rating, Deduct</i>	-1,521.87	
			<i>For Class 54 Rating, Add</i>	2,112.95	
			<i>For Class 55 Rating, Add</i>	3,160.58	
			<i>For Class 56 Rating, Add</i>	4,194.39	
40 05 19 00-3038	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,022.91	2,075.64
			<i>For Class 52 Rating, Deduct</i>	-1,636.58	
			<i>For Class 54 Rating, Add</i>	2,269.44	
			<i>For Class 55 Rating, Add</i>	3,393.27	
			<i>For Class 56 Rating, Add</i>	4,502.23	
40 05 19 00-3039	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,071.70	2,079.57
			<i>For Class 52 Rating, Deduct</i>	-1,751.29	
			<i>For Class 54 Rating, Add</i>	2,425.93	
			<i>For Class 55 Rating, Add</i>	3,625.97	
			<i>For Class 56 Rating, Add</i>	4,810.08	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA			36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,120.47	2,083.51
				<i>For Class 52 Rating, Deduct</i>	-1,866.00	
				<i>For Class 54 Rating, Add</i>	2,582.43	
				<i>For Class 55 Rating, Add</i>	3,858.66	
				<i>For Class 56 Rating, Add</i>	5,117.92	
40 05 19 00-3041	EA			36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,169.26	2,087.45
				<i>For Class 52 Rating, Deduct</i>	-1,980.71	
				<i>For Class 54 Rating, Add</i>	2,738.92	
				<i>For Class 55 Rating, Add</i>	4,091.35	
				<i>For Class 56 Rating, Add</i>	5,425.77	
40 05 19 00-3042	EA			36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,218.04	2,091.38
				<i>For Class 52 Rating, Deduct</i>	-2,095.42	
				<i>For Class 54 Rating, Add</i>	2,895.42	
				<i>For Class 55 Rating, Add</i>	4,324.04	
				<i>For Class 56 Rating, Add</i>	5,733.61	
40 05 19 00-3043	EA			36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,266.82	2,095.32
				<i>For Class 52 Rating, Deduct</i>	-2,210.13	
				<i>For Class 54 Rating, Add</i>	3,051.91	
				<i>For Class 55 Rating, Add</i>	4,556.73	
				<i>For Class 56 Rating, Add</i>	6,041.46	
40 05 19 00-3044	EA			36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,315.60	2,099.27
				<i>For Class 52 Rating, Deduct</i>	-2,324.84	
				<i>For Class 54 Rating, Add</i>	3,208.40	
				<i>For Class 55 Rating, Add</i>	4,789.42	
				<i>For Class 56 Rating, Add</i>	6,349.30	
40 05 19 00-3045	EA			36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,364.39	2,103.20
				<i>For Class 52 Rating, Deduct</i>	-2,439.55	
				<i>For Class 54 Rating, Add</i>	3,364.90	
				<i>For Class 55 Rating, Add</i>	5,022.11	
				<i>For Class 56 Rating, Add</i>	6,657.15	
40 05 19 00-3046	EA			36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,413.16	2,107.14
				<i>For Class 52 Rating, Deduct</i>	-2,554.26	
				<i>For Class 54 Rating, Add</i>	3,521.39	
				<i>For Class 55 Rating, Add</i>	5,254.80	
				<i>For Class 56 Rating, Add</i>	6,964.99	
40 05 19 00-3047	EA			36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,461.95	2,111.08
				<i>For Class 52 Rating, Deduct</i>	-2,668.97	
				<i>For Class 54 Rating, Add</i>	3,677.89	
				<i>For Class 55 Rating, Add</i>	5,487.49	
				<i>For Class 56 Rating, Add</i>	7,272.84	
40 05 19 00-3048	EA			36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,510.73	2,115.01
				<i>For Class 52 Rating, Deduct</i>	-2,783.68	
				<i>For Class 54 Rating, Add</i>	3,834.38	
				<i>For Class 55 Rating, Add</i>	5,720.18	
				<i>For Class 56 Rating, Add</i>	7,580.68	
40 05 19 00-3049	EA			36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,559.52	2,118.96
				<i>For Class 52 Rating, Deduct</i>	-2,898.39	
				<i>For Class 54 Rating, Add</i>	3,990.87	
				<i>For Class 55 Rating, Add</i>	5,952.88	
				<i>For Class 56 Rating, Add</i>	7,888.53	
40 05 19 00-3050	EA			36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,608.29	2,122.90
				<i>For Class 52 Rating, Deduct</i>	-3,013.10	
				<i>For Class 54 Rating, Add</i>	4,147.37	
				<i>For Class 55 Rating, Add</i>	6,185.57	
				<i>For Class 56 Rating, Add</i>	8,196.37	
40 05 19 00-3051	EA			36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Coat, Ductile Iron Pipe	31,657.08	2,126.83
				<i>For Class 52 Rating, Deduct</i>	-3,127.81	
				<i>For Class 54 Rating, Add</i>	4,303.86	
				<i>For Class 55 Rating, Add</i>	6,418.26	
				<i>For Class 56 Rating, Add</i>	8,504.22	
40 05 19 00-3052	EA			36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Coat, Ductile Iron Pipe	32,705.88	2,130.77
				<i>For Class 52 Rating, Deduct</i>	-3,242.52	
				<i>For Class 54 Rating, Add</i>	4,460.36	
				<i>For Class 55 Rating, Add</i>	6,650.95	
				<i>For Class 56 Rating, Add</i>	8,812.07	
40 05 19 00-3053	EA			36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Coat, Ductile Iron Pipe	33,754.65	2,134.71
				<i>For Class 52 Rating, Deduct</i>	-3,357.23	
				<i>For Class 54 Rating, Add</i>	4,616.85	
				<i>For Class 55 Rating, Add</i>	6,883.64	
				<i>For Class 56 Rating, Add</i>	9,119.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3054	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,803.44	2,138.64
			<i>For Class 52 Rating, Deduct</i>	-3,471.94	
			<i>For Class 54 Rating, Add</i>	4,773.34	
			<i>For Class 55 Rating, Add</i>	7,116.33	
			<i>For Class 56 Rating, Add</i>	9,427.76	
40 05 19 00-3055	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,852.22	2,142.59
			<i>For Class 52 Rating, Deduct</i>	-3,586.65	
			<i>For Class 54 Rating, Add</i>	4,929.84	
			<i>For Class 55 Rating, Add</i>	7,349.02	
			<i>For Class 56 Rating, Add</i>	9,735.60	
40 05 19 00-3056	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,901.00	2,146.53
			<i>For Class 52 Rating, Deduct</i>	-3,701.36	
			<i>For Class 54 Rating, Add</i>	5,086.33	
			<i>For Class 55 Rating, Add</i>	7,581.71	
			<i>For Class 56 Rating, Add</i>	10,043.45	
40 05 19 00-3057	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,949.78	2,150.46
			<i>For Class 52 Rating, Deduct</i>	-3,816.07	
			<i>For Class 54 Rating, Add</i>	5,242.82	
			<i>For Class 55 Rating, Add</i>	7,814.40	
			<i>For Class 56 Rating, Add</i>	10,351.29	
40 05 19 00-3058	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,998.57	2,154.40
			<i>For Class 52 Rating, Deduct</i>	-3,930.78	
			<i>For Class 54 Rating, Add</i>	5,399.32	
			<i>For Class 55 Rating, Add</i>	8,047.10	
			<i>For Class 56 Rating, Add</i>	10,659.14	
40 05 19 00-3059	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,047.35	2,158.34
			<i>For Class 52 Rating, Deduct</i>	-4,045.48	
			<i>For Class 54 Rating, Add</i>	5,555.81	
			<i>For Class 55 Rating, Add</i>	8,279.79	
			<i>For Class 56 Rating, Add</i>	10,966.98	
40 05 19 00-3060	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,096.13	2,162.28
			<i>For Class 52 Rating, Deduct</i>	-4,160.19	
			<i>For Class 54 Rating, Add</i>	5,712.31	
			<i>For Class 55 Rating, Add</i>	8,512.48	
			<i>For Class 56 Rating, Add</i>	11,274.83	
40 05 19 00-3061	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	42,144.91	2,166.22
			<i>For Class 52 Rating, Deduct</i>	-4,274.90	
			<i>For Class 54 Rating, Add</i>	5,868.80	
			<i>For Class 55 Rating, Add</i>	8,745.17	
			<i>For Class 56 Rating, Add</i>	11,582.67	
40 05 19 00-3062	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,193.70	2,170.16
			<i>For Class 52 Rating, Deduct</i>	-4,389.61	
			<i>For Class 54 Rating, Add</i>	6,025.29	
			<i>For Class 55 Rating, Add</i>	8,977.86	
			<i>For Class 56 Rating, Add</i>	11,890.52	
40 05 19 00-3063	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,242.47	2,174.09
			<i>For Class 52 Rating, Deduct</i>	-4,504.32	
			<i>For Class 54 Rating, Add</i>	6,181.79	
			<i>For Class 55 Rating, Add</i>	9,210.55	
			<i>For Class 56 Rating, Add</i>	12,198.36	
40 05 19 00-3064	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,291.26	2,178.03
			<i>For Class 52 Rating, Deduct</i>	-4,619.03	
			<i>For Class 54 Rating, Add</i>	6,338.28	
			<i>For Class 55 Rating, Add</i>	9,443.24	
			<i>For Class 56 Rating, Add</i>	12,506.21	
40 05 19 00-3065	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,340.04	2,181.97
			<i>For Class 52 Rating, Deduct</i>	-4,733.74	
			<i>For Class 54 Rating, Add</i>	6,494.78	
			<i>For Class 55 Rating, Add</i>	9,675.93	
			<i>For Class 56 Rating, Add</i>	12,814.05	
40 05 19 00-3066	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	47,388.82	2,185.92
			<i>For Class 52 Rating, Deduct</i>	-4,848.45	
			<i>For Class 54 Rating, Add</i>	6,651.27	
			<i>For Class 55 Rating, Add</i>	9,908.62	
			<i>For Class 56 Rating, Add</i>	13,121.90	
40 05 19 00-3067	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	48,437.61	2,189.85
			<i>For Class 52 Rating, Deduct</i>	-4,963.16	
			<i>For Class 54 Rating, Add</i>	6,807.76	
			<i>For Class 55 Rating, Add</i>	10,141.31	
			<i>For Class 56 Rating, Add</i>	13,429.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3068 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-3069 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3070 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	723.79	192.62
<i>For Class 52 Rating, Deduct</i>	-47.51	
<i>For Class 54 Rating, Add</i>	68.29	
<i>For Class 55 Rating, Add</i>	103.33	
<i>For Class 56 Rating, Add</i>	137.93	
40 05 19 00-3071 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	826.03	195.99
<i>For Class 52 Rating, Deduct</i>	-58.20	
<i>For Class 54 Rating, Add</i>	82.93	
<i>For Class 55 Rating, Add</i>	125.11	
<i>For Class 56 Rating, Add</i>	166.77	
40 05 19 00-3072 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	928.25	199.36
<i>For Class 52 Rating, Deduct</i>	-68.88	
<i>For Class 54 Rating, Add</i>	97.55	
<i>For Class 55 Rating, Add</i>	146.89	
<i>For Class 56 Rating, Add</i>	195.60	
40 05 19 00-3073 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,030.48	202.72
<i>For Class 52 Rating, Deduct</i>	-79.57	
<i>For Class 54 Rating, Add</i>	112.19	
<i>For Class 55 Rating, Add</i>	168.67	
<i>For Class 56 Rating, Add</i>	224.44	
40 05 19 00-3074 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,132.70	206.09
<i>For Class 52 Rating, Deduct</i>	-90.25	
<i>For Class 54 Rating, Add</i>	126.81	
<i>For Class 55 Rating, Add</i>	190.45	
<i>For Class 56 Rating, Add</i>	253.27	
40 05 19 00-3075 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,234.94	209.46
<i>For Class 52 Rating, Deduct</i>	-100.93	
<i>For Class 54 Rating, Add</i>	141.45	
<i>For Class 55 Rating, Add</i>	212.24	
<i>For Class 56 Rating, Add</i>	282.11	
40 05 19 00-3076 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,337.16	212.83
<i>For Class 52 Rating, Deduct</i>	-111.62	
<i>For Class 54 Rating, Add</i>	156.07	
<i>For Class 55 Rating, Add</i>	234.02	
<i>For Class 56 Rating, Add</i>	310.95	
40 05 19 00-3077 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,439.39	216.19
<i>For Class 52 Rating, Deduct</i>	-122.30	
<i>For Class 54 Rating, Add</i>	170.71	
<i>For Class 55 Rating, Add</i>	255.80	
<i>For Class 56 Rating, Add</i>	339.78	
40 05 19 00-3078 EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,541.61	219.56
<i>For Class 52 Rating, Deduct</i>	-132.98	
<i>For Class 54 Rating, Add</i>	185.33	
<i>For Class 55 Rating, Add</i>	277.58	
<i>For Class 56 Rating, Add</i>	368.62	
40 05 19 00-3079 EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,643.84	222.93
<i>For Class 52 Rating, Deduct</i>	-143.67	
<i>For Class 54 Rating, Add</i>	199.97	
<i>For Class 55 Rating, Add</i>	299.36	
<i>For Class 56 Rating, Add</i>	397.45	
40 05 19 00-3080 EA 4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,746.07	226.29
<i>For Class 52 Rating, Deduct</i>	-154.35	
<i>For Class 54 Rating, Add</i>	214.59	
<i>For Class 55 Rating, Add</i>	321.14	
<i>For Class 56 Rating, Add</i>	426.29	
40 05 19 00-3081 EA 4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,848.29	229.66
<i>For Class 52 Rating, Deduct</i>	-165.04	
<i>For Class 54 Rating, Add</i>	229.22	
<i>For Class 55 Rating, Add</i>	342.92	
<i>For Class 56 Rating, Add</i>	455.12	
40 05 19 00-3082 EA 4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,950.52	233.03
<i>For Class 52 Rating, Deduct</i>	-175.72	
<i>For Class 54 Rating, Add</i>	243.85	
<i>For Class 55 Rating, Add</i>	364.71	
<i>For Class 56 Rating, Add</i>	483.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3083	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,052.75	236.40
			<i>For Class 52 Rating, Deduct</i>	-186.40	
			<i>For Class 54 Rating, Add</i>	258.49	
			<i>For Class 55 Rating, Add</i>	386.49	
			<i>For Class 56 Rating, Add</i>	512.80	
40 05 19 00-3084	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,154.97	239.76
			<i>For Class 52 Rating, Deduct</i>	-197.09	
			<i>For Class 54 Rating, Add</i>	273.11	
			<i>For Class 55 Rating, Add</i>	408.27	
			<i>For Class 56 Rating, Add</i>	541.63	
40 05 19 00-3085	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,257.20	243.13
			<i>For Class 52 Rating, Deduct</i>	-207.77	
			<i>For Class 54 Rating, Add</i>	287.74	
			<i>For Class 55 Rating, Add</i>	430.05	
			<i>For Class 56 Rating, Add</i>	570.46	
40 05 19 00-3086	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,359.43	246.51
			<i>For Class 52 Rating, Deduct</i>	-218.45	
			<i>For Class 54 Rating, Add</i>	302.37	
			<i>For Class 55 Rating, Add</i>	451.83	
			<i>For Class 56 Rating, Add</i>	599.30	
40 05 19 00-3087	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,461.65	249.86
			<i>For Class 52 Rating, Deduct</i>	-229.14	
			<i>For Class 54 Rating, Add</i>	317.00	
			<i>For Class 55 Rating, Add</i>	473.61	
			<i>For Class 56 Rating, Add</i>	628.13	
40 05 19 00-3088	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,563.88	253.24
			<i>For Class 52 Rating, Deduct</i>	-239.82	
			<i>For Class 54 Rating, Add</i>	331.63	
			<i>For Class 55 Rating, Add</i>	495.39	
			<i>For Class 56 Rating, Add</i>	656.97	
40 05 19 00-3089	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,666.11	256.60
			<i>For Class 52 Rating, Deduct</i>	-250.51	
			<i>For Class 54 Rating, Add</i>	346.26	
			<i>For Class 55 Rating, Add</i>	517.17	
			<i>For Class 56 Rating, Add</i>	685.81	
40 05 19 00-3090	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,768.34	259.98
			<i>For Class 52 Rating, Deduct</i>	-261.19	
			<i>For Class 54 Rating, Add</i>	360.89	
			<i>For Class 55 Rating, Add</i>	538.96	
			<i>For Class 56 Rating, Add</i>	714.64	
40 05 19 00-3091	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,870.56	263.33
			<i>For Class 52 Rating, Deduct</i>	-271.87	
			<i>For Class 54 Rating, Add</i>	375.52	
			<i>For Class 55 Rating, Add</i>	560.74	
			<i>For Class 56 Rating, Add</i>	743.48	
40 05 19 00-3092	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,972.79	266.71
			<i>For Class 52 Rating, Deduct</i>	-282.56	
			<i>For Class 54 Rating, Add</i>	390.15	
			<i>For Class 55 Rating, Add</i>	582.52	
			<i>For Class 56 Rating, Add</i>	772.31	
40 05 19 00-3093	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,075.01	270.07
			<i>For Class 52 Rating, Deduct</i>	-293.24	
			<i>For Class 54 Rating, Add</i>	404.78	
			<i>For Class 55 Rating, Add</i>	604.30	
			<i>For Class 56 Rating, Add</i>	801.15	
40 05 19 00-3094	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,427.73	273.44
			<i>For Class 52 Rating, Deduct</i>	-331.48	
			<i>For Class 54 Rating, Add</i>	456.99	
			<i>For Class 55 Rating, Add</i>	681.94	
			<i>For Class 56 Rating, Add</i>	903.88	
40 05 19 00-3095	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,529.95	276.80
			<i>For Class 52 Rating, Deduct</i>	-342.16	
			<i>For Class 54 Rating, Add</i>	471.62	
			<i>For Class 55 Rating, Add</i>	703.72	
			<i>For Class 56 Rating, Add</i>	932.71	
40 05 19 00-3096	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,632.18	280.18
			<i>For Class 52 Rating, Deduct</i>	-352.84	
			<i>For Class 54 Rating, Add</i>	486.25	
			<i>For Class 55 Rating, Add</i>	725.50	
			<i>For Class 56 Rating, Add</i>	961.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3097 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,734.40	283.54
<i>For Class 52 Rating, Deduct</i>	-363.53	
<i>For Class 54 Rating, Add</i>	500.88	
<i>For Class 55 Rating, Add</i>	747.28	
<i>For Class 56 Rating, Add</i>	990.38	
40 05 19 00-3098 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,836.63	286.91
<i>For Class 52 Rating, Deduct</i>	-374.21	
<i>For Class 54 Rating, Add</i>	515.51	
<i>For Class 55 Rating, Add</i>	769.06	
<i>For Class 56 Rating, Add</i>	1,019.22	
40 05 19 00-3099 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,938.86	290.27
<i>For Class 52 Rating, Deduct</i>	-384.90	
<i>For Class 54 Rating, Add</i>	530.14	
<i>For Class 55 Rating, Add</i>	790.84	
<i>For Class 56 Rating, Add</i>	1,048.05	
40 05 19 00-3100 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,041.09	293.65
<i>For Class 52 Rating, Deduct</i>	-395.58	
<i>For Class 54 Rating, Add</i>	544.77	
<i>For Class 55 Rating, Add</i>	812.63	
<i>For Class 56 Rating, Add</i>	1,076.89	
40 05 19 00-3101 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,143.31	297.02
<i>For Class 52 Rating, Deduct</i>	-406.26	
<i>For Class 54 Rating, Add</i>	559.40	
<i>For Class 55 Rating, Add</i>	834.41	
<i>For Class 56 Rating, Add</i>	1,105.72	
40 05 19 00-3102 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,245.54	300.38
<i>For Class 52 Rating, Deduct</i>	-416.95	
<i>For Class 54 Rating, Add</i>	574.03	
<i>For Class 55 Rating, Add</i>	856.19	
<i>For Class 56 Rating, Add</i>	1,134.56	
40 05 19 00-3103 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,347.77	303.75
<i>For Class 52 Rating, Deduct</i>	-427.63	
<i>For Class 54 Rating, Add</i>	588.66	
<i>For Class 55 Rating, Add</i>	877.97	
<i>For Class 56 Rating, Add</i>	1,163.40	
40 05 19 00-3104 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,450.00	307.12
<i>For Class 52 Rating, Deduct</i>	-438.31	
<i>For Class 54 Rating, Add</i>	603.29	
<i>For Class 55 Rating, Add</i>	899.75	
<i>For Class 56 Rating, Add</i>	1,192.23	
40 05 19 00-3105 EA 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,552.22	310.47
<i>For Class 52 Rating, Deduct</i>	-449.00	
<i>For Class 54 Rating, Add</i>	617.92	
<i>For Class 55 Rating, Add</i>	921.53	
<i>For Class 56 Rating, Add</i>	1,221.07	
40 05 19 00-3106 EA 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,654.45	313.85
<i>For Class 52 Rating, Deduct</i>	-459.68	
<i>For Class 54 Rating, Add</i>	632.55	
<i>For Class 55 Rating, Add</i>	943.31	
<i>For Class 56 Rating, Add</i>	1,249.90	
40 05 19 00-3107 EA 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,756.67	317.22
<i>For Class 52 Rating, Deduct</i>	-470.37	
<i>For Class 54 Rating, Add</i>	647.17	
<i>For Class 55 Rating, Add</i>	965.09	
<i>For Class 56 Rating, Add</i>	1,278.74	
40 05 19 00-3108 EA 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,858.91	320.59
<i>For Class 52 Rating, Deduct</i>	-481.05	
<i>For Class 54 Rating, Add</i>	661.81	
<i>For Class 55 Rating, Add</i>	986.88	
<i>For Class 56 Rating, Add</i>	1,307.57	
40 05 19 00-3109 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3110 EA 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	891.32	242.46
<i>For Class 52 Rating, Deduct</i>	-57.64	
<i>For Class 54 Rating, Add</i>	83.00	
<i>For Class 55 Rating, Add</i>	125.66	
<i>For Class 56 Rating, Add</i>	167.79	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3111	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,008.89	245.84
			<i>For Class 52 Rating, Deduct</i>	-70.01	
			<i>For Class 54 Rating, Add</i>	99.93	
			<i>For Class 55 Rating, Add</i>	150.86	
			<i>For Class 56 Rating, Add</i>	201.15	
40 05 19 00-3112	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,126.45	249.19
			<i>For Class 52 Rating, Deduct</i>	-82.38	
			<i>For Class 54 Rating, Add</i>	116.86	
			<i>For Class 55 Rating, Add</i>	176.06	
			<i>For Class 56 Rating, Add</i>	234.51	
40 05 19 00-3113	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,244.01	252.56
			<i>For Class 52 Rating, Deduct</i>	-94.75	
			<i>For Class 54 Rating, Add</i>	133.79	
			<i>For Class 55 Rating, Add</i>	201.26	
			<i>For Class 56 Rating, Add</i>	267.87	
40 05 19 00-3114	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,361.58	255.93
			<i>For Class 52 Rating, Deduct</i>	-107.12	
			<i>For Class 54 Rating, Add</i>	150.72	
			<i>For Class 55 Rating, Add</i>	226.47	
			<i>For Class 56 Rating, Add</i>	301.23	
40 05 19 00-3115	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,479.15	259.29
			<i>For Class 52 Rating, Deduct</i>	-119.49	
			<i>For Class 54 Rating, Add</i>	167.66	
			<i>For Class 55 Rating, Add</i>	251.67	
			<i>For Class 56 Rating, Add</i>	334.59	
40 05 19 00-3116	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,596.71	262.66
			<i>For Class 52 Rating, Deduct</i>	-131.86	
			<i>For Class 54 Rating, Add</i>	184.59	
			<i>For Class 55 Rating, Add</i>	276.87	
			<i>For Class 56 Rating, Add</i>	367.95	
40 05 19 00-3117	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,714.27	266.04
			<i>For Class 52 Rating, Deduct</i>	-144.23	
			<i>For Class 54 Rating, Add</i>	201.52	
			<i>For Class 55 Rating, Add</i>	302.07	
			<i>For Class 56 Rating, Add</i>	401.31	
40 05 19 00-3118	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,831.83	269.40
			<i>For Class 52 Rating, Deduct</i>	-156.60	
			<i>For Class 54 Rating, Add</i>	218.45	
			<i>For Class 55 Rating, Add</i>	327.27	
			<i>For Class 56 Rating, Add</i>	434.67	
40 05 19 00-3119	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,949.39	272.77
			<i>For Class 52 Rating, Deduct</i>	-168.97	
			<i>For Class 54 Rating, Add</i>	235.38	
			<i>For Class 55 Rating, Add</i>	352.47	
			<i>For Class 56 Rating, Add</i>	468.03	
40 05 19 00-3120	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,066.96	276.13
			<i>For Class 52 Rating, Deduct</i>	-181.34	
			<i>For Class 54 Rating, Add</i>	252.31	
			<i>For Class 55 Rating, Add</i>	377.67	
			<i>For Class 56 Rating, Add</i>	501.39	
40 05 19 00-3121	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,184.52	279.51
			<i>For Class 52 Rating, Deduct</i>	-193.71	
			<i>For Class 54 Rating, Add</i>	269.24	
			<i>For Class 55 Rating, Add</i>	402.87	
			<i>For Class 56 Rating, Add</i>	534.75	
40 05 19 00-3122	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,302.08	282.86
			<i>For Class 52 Rating, Deduct</i>	-206.08	
			<i>For Class 54 Rating, Add</i>	286.17	
			<i>For Class 55 Rating, Add</i>	428.07	
			<i>For Class 56 Rating, Add</i>	568.11	
40 05 19 00-3123	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,419.64	286.24
			<i>For Class 52 Rating, Deduct</i>	-218.45	
			<i>For Class 54 Rating, Add</i>	303.10	
			<i>For Class 55 Rating, Add</i>	453.28	
			<i>For Class 56 Rating, Add</i>	601.47	
40 05 19 00-3124	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,537.20	289.60
			<i>For Class 52 Rating, Deduct</i>	-230.83	
			<i>For Class 54 Rating, Add</i>	320.03	
			<i>For Class 55 Rating, Add</i>	478.48	
			<i>For Class 56 Rating, Add</i>	634.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3125 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,654.77	292.98
<i>For Class 52 Rating, Deduct</i>	-243.20	
<i>For Class 54 Rating, Add</i>	336.96	
<i>For Class 55 Rating, Add</i>	503.68	
<i>For Class 56 Rating, Add</i>	668.19	
40 05 19 00-3126 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,772.33	296.33
<i>For Class 52 Rating, Deduct</i>	-255.57	
<i>For Class 54 Rating, Add</i>	353.89	
<i>For Class 55 Rating, Add</i>	528.88	
<i>For Class 56 Rating, Add</i>	701.55	
40 05 19 00-3127 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,889.89	299.71
<i>For Class 52 Rating, Deduct</i>	-267.94	
<i>For Class 54 Rating, Add</i>	370.82	
<i>For Class 55 Rating, Add</i>	554.08	
<i>For Class 56 Rating, Add</i>	734.91	
40 05 19 00-3128 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,007.45	303.07
<i>For Class 52 Rating, Deduct</i>	-280.31	
<i>For Class 54 Rating, Add</i>	387.75	
<i>For Class 55 Rating, Add</i>	579.28	
<i>For Class 56 Rating, Add</i>	768.26	
40 05 19 00-3129 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,125.02	306.45
<i>For Class 52 Rating, Deduct</i>	-292.68	
<i>For Class 54 Rating, Add</i>	404.68	
<i>For Class 55 Rating, Add</i>	604.48	
<i>For Class 56 Rating, Add</i>	801.62	
40 05 19 00-3130 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,242.58	309.80
<i>For Class 52 Rating, Deduct</i>	-305.05	
<i>For Class 54 Rating, Add</i>	421.61	
<i>For Class 55 Rating, Add</i>	629.68	
<i>For Class 56 Rating, Add</i>	834.98	
40 05 19 00-3131 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,360.14	313.18
<i>For Class 52 Rating, Deduct</i>	-317.42	
<i>For Class 54 Rating, Add</i>	438.54	
<i>For Class 55 Rating, Add</i>	654.88	
<i>For Class 56 Rating, Add</i>	868.34	
40 05 19 00-3132 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,477.70	316.55
<i>For Class 52 Rating, Deduct</i>	-329.79	
<i>For Class 54 Rating, Add</i>	455.47	
<i>For Class 55 Rating, Add</i>	680.08	
<i>For Class 56 Rating, Add</i>	901.70	
40 05 19 00-3133 EA 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,595.26	319.91
<i>For Class 52 Rating, Deduct</i>	-342.16	
<i>For Class 54 Rating, Add</i>	472.40	
<i>For Class 55 Rating, Add</i>	705.29	
<i>For Class 56 Rating, Add</i>	935.06	
40 05 19 00-3134 EA 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,712.84	323.28
<i>For Class 52 Rating, Deduct</i>	-354.53	
<i>For Class 54 Rating, Add</i>	489.33	
<i>For Class 55 Rating, Add</i>	730.49	
<i>For Class 56 Rating, Add</i>	968.42	
40 05 19 00-3135 EA 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,830.40	326.65
<i>For Class 52 Rating, Deduct</i>	-366.90	
<i>For Class 54 Rating, Add</i>	506.26	
<i>For Class 55 Rating, Add</i>	755.69	
<i>For Class 56 Rating, Add</i>	1,001.78	
40 05 19 00-3136 EA 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,947.96	330.02
<i>For Class 52 Rating, Deduct</i>	-379.27	
<i>For Class 54 Rating, Add</i>	523.19	
<i>For Class 55 Rating, Add</i>	780.89	
<i>For Class 56 Rating, Add</i>	1,035.14	
40 05 19 00-3137 EA 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,065.52	333.38
<i>For Class 52 Rating, Deduct</i>	-391.64	
<i>For Class 54 Rating, Add</i>	540.12	
<i>For Class 55 Rating, Add</i>	806.09	
<i>For Class 56 Rating, Add</i>	1,068.50	
40 05 19 00-3138 EA 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,183.09	336.75
<i>For Class 52 Rating, Deduct</i>	-404.01	
<i>For Class 54 Rating, Add</i>	557.05	
<i>For Class 55 Rating, Add</i>	831.29	
<i>For Class 56 Rating, Add</i>	1,101.86	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3139	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,300.65	340.12
			<i>For Class 52 Rating, Deduct</i>	-416.39	
			<i>For Class 54 Rating, Add</i>	573.98	
			<i>For Class 55 Rating, Add</i>	856.49	
			<i>For Class 56 Rating, Add</i>	1,135.22	
40 05 19 00-3140	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,418.21	343.48
			<i>For Class 52 Rating, Deduct</i>	-428.76	
			<i>For Class 54 Rating, Add</i>	590.91	
			<i>For Class 55 Rating, Add</i>	881.70	
			<i>For Class 56 Rating, Add</i>	1,168.58	
40 05 19 00-3141	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,535.77	346.85
			<i>For Class 52 Rating, Deduct</i>	-441.13	
			<i>For Class 54 Rating, Add</i>	607.84	
			<i>For Class 55 Rating, Add</i>	906.90	
			<i>For Class 56 Rating, Add</i>	1,201.94	
40 05 19 00-3142	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,653.33	350.22
			<i>For Class 52 Rating, Deduct</i>	-453.50	
			<i>For Class 54 Rating, Add</i>	624.77	
			<i>For Class 55 Rating, Add</i>	932.10	
			<i>For Class 56 Rating, Add</i>	1,235.30	
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,770.90	353.59
			<i>For Class 52 Rating, Deduct</i>	-465.87	
			<i>For Class 54 Rating, Add</i>	641.70	
			<i>For Class 55 Rating, Add</i>	957.30	
			<i>For Class 56 Rating, Add</i>	1,268.66	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,888.46	356.95
			<i>For Class 52 Rating, Deduct</i>	-478.24	
			<i>For Class 54 Rating, Add</i>	658.63	
			<i>For Class 55 Rating, Add</i>	982.50	
			<i>For Class 56 Rating, Add</i>	1,302.02	
40 05 19 00-3145	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,006.02	360.32
			<i>For Class 52 Rating, Deduct</i>	-490.61	
			<i>For Class 54 Rating, Add</i>	675.56	
			<i>For Class 55 Rating, Add</i>	1,007.70	
			<i>For Class 56 Rating, Add</i>	1,335.38	
40 05 19 00-3146	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,123.58	363.69
			<i>For Class 52 Rating, Deduct</i>	-502.98	
			<i>For Class 54 Rating, Add</i>	692.49	
			<i>For Class 55 Rating, Add</i>	1,032.90	
			<i>For Class 56 Rating, Add</i>	1,368.74	
40 05 19 00-3147	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,241.14	367.05
			<i>For Class 52 Rating, Deduct</i>	-515.35	
			<i>For Class 54 Rating, Add</i>	709.42	
			<i>For Class 55 Rating, Add</i>	1,058.10	
			<i>For Class 56 Rating, Add</i>	1,402.10	
40 05 19 00-3148	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,358.71	370.42
			<i>For Class 52 Rating, Deduct</i>	-527.72	
			<i>For Class 54 Rating, Add</i>	726.35	
			<i>For Class 55 Rating, Add</i>	1,083.30	
			<i>For Class 56 Rating, Add</i>	1,435.46	
40 05 19 00-3149			8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3150	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,208.07	309.80
			<i>For Class 52 Rating, Deduct</i>	-81.25	
			<i>For Class 54 Rating, Add</i>	116.43	
			<i>For Class 55 Rating, Add</i>	175.99	
			<i>For Class 56 Rating, Add</i>	234.80	
40 05 19 00-3151	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,358.86	313.18
			<i>For Class 52 Rating, Deduct</i>	-97.28	
			<i>For Class 54 Rating, Add</i>	138.35	
			<i>For Class 55 Rating, Add</i>	208.60	
			<i>For Class 56 Rating, Add</i>	277.97	
40 05 19 00-3152	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,509.65	316.55
			<i>For Class 52 Rating, Deduct</i>	-113.30	
			<i>For Class 54 Rating, Add</i>	160.26	
			<i>For Class 55 Rating, Add</i>	241.21	
			<i>For Class 56 Rating, Add</i>	321.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3153 EA 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,660.43	319.91
<i>For Class 52 Rating, Deduct</i>	-129.33	
<i>For Class 54 Rating, Add</i>	182.17	
<i>For Class 55 Rating, Add</i>	273.82	
<i>For Class 56 Rating, Add</i>	364.29	
40 05 19 00-3154 EA 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,811.23	323.28
<i>For Class 52 Rating, Deduct</i>	-145.36	
<i>For Class 54 Rating, Add</i>	204.09	
<i>For Class 55 Rating, Add</i>	306.43	
<i>For Class 56 Rating, Add</i>	407.45	
40 05 19 00-3155 EA 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,962.02	326.65
<i>For Class 52 Rating, Deduct</i>	-161.38	
<i>For Class 54 Rating, Add</i>	226.00	
<i>For Class 55 Rating, Add</i>	339.04	
<i>For Class 56 Rating, Add</i>	450.61	
40 05 19 00-3156 EA 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,112.81	330.02
<i>For Class 52 Rating, Deduct</i>	-177.41	
<i>For Class 54 Rating, Add</i>	247.92	
<i>For Class 55 Rating, Add</i>	371.65	
<i>For Class 56 Rating, Add</i>	493.77	
40 05 19 00-3157 EA 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,263.59	333.38
<i>For Class 52 Rating, Deduct</i>	-193.43	
<i>For Class 54 Rating, Add</i>	269.83	
<i>For Class 55 Rating, Add</i>	404.26	
<i>For Class 56 Rating, Add</i>	536.93	
40 05 19 00-3158 EA 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,414.39	336.75
<i>For Class 52 Rating, Deduct</i>	-209.46	
<i>For Class 54 Rating, Add</i>	291.75	
<i>For Class 55 Rating, Add</i>	436.87	
<i>For Class 56 Rating, Add</i>	580.10	
40 05 19 00-3159 EA 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,565.18	340.12
<i>For Class 52 Rating, Deduct</i>	-225.48	
<i>For Class 54 Rating, Add</i>	313.66	
<i>For Class 55 Rating, Add</i>	469.48	
<i>For Class 56 Rating, Add</i>	623.26	
40 05 19 00-3160 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,715.97	343.48
<i>For Class 52 Rating, Deduct</i>	-241.51	
<i>For Class 54 Rating, Add</i>	335.58	
<i>For Class 55 Rating, Add</i>	502.10	
<i>For Class 56 Rating, Add</i>	666.42	
40 05 19 00-3161 EA 8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,866.75	346.85
<i>For Class 52 Rating, Deduct</i>	-257.53	
<i>For Class 54 Rating, Add</i>	357.49	
<i>For Class 55 Rating, Add</i>	534.70	
<i>For Class 56 Rating, Add</i>	709.58	
40 05 19 00-3162 EA 8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,017.54	350.22
<i>For Class 52 Rating, Deduct</i>	-273.56	
<i>For Class 54 Rating, Add</i>	379.40	
<i>For Class 55 Rating, Add</i>	567.32	
<i>For Class 56 Rating, Add</i>	752.74	
40 05 19 00-3163 EA 8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,168.34	353.59
<i>For Class 52 Rating, Deduct</i>	-289.59	
<i>For Class 54 Rating, Add</i>	401.32	
<i>For Class 55 Rating, Add</i>	599.93	
<i>For Class 56 Rating, Add</i>	795.90	
40 05 19 00-3164 EA 8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,319.12	356.95
<i>For Class 52 Rating, Deduct</i>	-305.61	
<i>For Class 54 Rating, Add</i>	423.23	
<i>For Class 55 Rating, Add</i>	632.54	
<i>For Class 56 Rating, Add</i>	839.06	
40 05 19 00-3165 EA 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,469.91	360.32
<i>For Class 52 Rating, Deduct</i>	-321.64	
<i>For Class 54 Rating, Add</i>	445.15	
<i>For Class 55 Rating, Add</i>	665.15	
<i>For Class 56 Rating, Add</i>	882.22	
40 05 19 00-3166 EA 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,620.70	363.69
<i>For Class 52 Rating, Deduct</i>	-337.66	
<i>For Class 54 Rating, Add</i>	467.06	
<i>For Class 55 Rating, Add</i>	697.76	
<i>For Class 56 Rating, Add</i>	925.39	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3167	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,771.49	367.05
			<i>For Class 52 Rating, Deduct</i>	-353.69	
			<i>For Class 54 Rating, Add</i>	488.98	
			<i>For Class 55 Rating, Add</i>	730.37	
			<i>For Class 56 Rating, Add</i>	968.55	
40 05 19 00-3168	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,922.28	370.42
			<i>For Class 52 Rating, Deduct</i>	-369.77	
			<i>For Class 54 Rating, Add</i>	510.89	
			<i>For Class 55 Rating, Add</i>	762.98	
			<i>For Class 56 Rating, Add</i>	1,011.71	
40 05 19 00-3169	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,073.07	373.79
			<i>For Class 52 Rating, Deduct</i>	-385.74	
			<i>For Class 54 Rating, Add</i>	532.80	
			<i>For Class 55 Rating, Add</i>	795.59	
			<i>For Class 56 Rating, Add</i>	1,054.87	
40 05 19 00-3170	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,223.86	377.16
			<i>For Class 52 Rating, Deduct</i>	-401.77	
			<i>For Class 54 Rating, Add</i>	554.72	
			<i>For Class 55 Rating, Add</i>	828.20	
			<i>For Class 56 Rating, Add</i>	1,098.03	
40 05 19 00-3171	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,374.65	380.52
			<i>For Class 52 Rating, Deduct</i>	-417.79	
			<i>For Class 54 Rating, Add</i>	576.63	
			<i>For Class 55 Rating, Add</i>	860.81	
			<i>For Class 56 Rating, Add</i>	1,141.20	
40 05 19 00-3172	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,525.44	383.89
			<i>For Class 52 Rating, Deduct</i>	-433.82	
			<i>For Class 54 Rating, Add</i>	598.55	
			<i>For Class 55 Rating, Add</i>	893.42	
			<i>For Class 56 Rating, Add</i>	1,184.35	
40 05 19 00-3173	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,676.23	387.27
			<i>For Class 52 Rating, Deduct</i>	-449.84	
			<i>For Class 54 Rating, Add</i>	620.46	
			<i>For Class 55 Rating, Add</i>	926.03	
			<i>For Class 56 Rating, Add</i>	1,227.52	
40 05 19 00-3174	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,827.02	390.63
			<i>For Class 52 Rating, Deduct</i>	-465.87	
			<i>For Class 54 Rating, Add</i>	642.38	
			<i>For Class 55 Rating, Add</i>	958.65	
			<i>For Class 56 Rating, Add</i>	1,270.68	
40 05 19 00-3175	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,977.81	394.00
			<i>For Class 52 Rating, Deduct</i>	-481.89	
			<i>For Class 54 Rating, Add</i>	664.29	
			<i>For Class 55 Rating, Add</i>	991.26	
			<i>For Class 56 Rating, Add</i>	1,313.84	
40 05 19 00-3176	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,128.59	397.36
			<i>For Class 52 Rating, Deduct</i>	-497.92	
			<i>For Class 54 Rating, Add</i>	686.20	
			<i>For Class 55 Rating, Add</i>	1,023.87	
			<i>For Class 56 Rating, Add</i>	1,357.00	
40 05 19 00-3177	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,279.39	400.74
			<i>For Class 52 Rating, Deduct</i>	-513.94	
			<i>For Class 54 Rating, Add</i>	708.12	
			<i>For Class 55 Rating, Add</i>	1,056.48	
			<i>For Class 56 Rating, Add</i>	1,400.16	
40 05 19 00-3178	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,430.18	404.09
			<i>For Class 52 Rating, Deduct</i>	-529.97	
			<i>For Class 54 Rating, Add</i>	730.03	
			<i>For Class 55 Rating, Add</i>	1,089.09	
			<i>For Class 56 Rating, Add</i>	1,443.33	
40 05 19 00-3179	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,580.97	407.47
			<i>For Class 52 Rating, Deduct</i>	-546.00	
			<i>For Class 54 Rating, Add</i>	751.95	
			<i>For Class 55 Rating, Add</i>	1,121.70	
			<i>For Class 56 Rating, Add</i>	1,486.49	
40 05 19 00-3180	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,731.75	410.83
			<i>For Class 52 Rating, Deduct</i>	-562.02	
			<i>For Class 54 Rating, Add</i>	773.86	
			<i>For Class 55 Rating, Add</i>	1,154.31	
			<i>For Class 56 Rating, Add</i>	1,529.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3181 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,882.54	414.21
<i>For Class 52 Rating, Deduct</i>	-578.05	
<i>For Class 54 Rating, Add</i>	795.78	
<i>For Class 55 Rating, Add</i>	1,186.92	
<i>For Class 56 Rating, Add</i>	1,572.81	
40 05 19 00-3182 EA 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,033.34	417.56
<i>For Class 52 Rating, Deduct</i>	-594.07	
<i>For Class 54 Rating, Add</i>	817.69	
<i>For Class 55 Rating, Add</i>	1,219.53	
<i>For Class 56 Rating, Add</i>	1,615.97	
40 05 19 00-3183 EA 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,184.13	420.94
<i>For Class 52 Rating, Deduct</i>	-610.10	
<i>For Class 54 Rating, Add</i>	839.61	
<i>For Class 55 Rating, Add</i>	1,252.14	
<i>For Class 56 Rating, Add</i>	1,659.13	
40 05 19 00-3184 EA 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,334.91	424.30
<i>For Class 52 Rating, Deduct</i>	-626.12	
<i>For Class 54 Rating, Add</i>	861.52	
<i>For Class 55 Rating, Add</i>	1,284.75	
<i>For Class 56 Rating, Add</i>	1,702.29	
40 05 19 00-3185 EA 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,485.70	427.67
<i>For Class 52 Rating, Deduct</i>	-642.15	
<i>For Class 54 Rating, Add</i>	883.43	
<i>For Class 55 Rating, Add</i>	1,317.36	
<i>For Class 56 Rating, Add</i>	1,745.45	
40 05 19 00-3186 EA 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,636.50	431.03
<i>For Class 52 Rating, Deduct</i>	-658.18	
<i>For Class 54 Rating, Add</i>	905.35	
<i>For Class 55 Rating, Add</i>	1,349.97	
<i>For Class 56 Rating, Add</i>	1,788.62	
40 05 19 00-3187 EA 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,787.29	434.41
<i>For Class 52 Rating, Deduct</i>	-674.20	
<i>For Class 54 Rating, Add</i>	927.26	
<i>For Class 55 Rating, Add</i>	1,382.59	
<i>For Class 56 Rating, Add</i>	1,831.78	
40 05 19 00-3188 EA 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,938.07	437.78
<i>For Class 52 Rating, Deduct</i>	-690.23	
<i>For Class 54 Rating, Add</i>	949.18	
<i>For Class 55 Rating, Add</i>	1,415.19	
<i>For Class 56 Rating, Add</i>	1,874.94	
40 05 19 00-3189 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3190 EA 10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,519.70	377.16
<i>For Class 52 Rating, Deduct</i>	-104.31	
<i>For Class 54 Rating, Add</i>	149.09	
<i>For Class 55 Rating, Add</i>	225.17	
<i>For Class 56 Rating, Add</i>	300.31	
40 05 19 00-3191 EA 10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,713.93	380.52
<i>For Class 52 Rating, Deduct</i>	-125.11	
<i>For Class 54 Rating, Add</i>	177.53	
<i>For Class 55 Rating, Add</i>	267.47	
<i>For Class 56 Rating, Add</i>	356.28	
40 05 19 00-3192 EA 10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,908.18	383.89
<i>For Class 52 Rating, Deduct</i>	-145.92	
<i>For Class 54 Rating, Add</i>	205.96	
<i>For Class 55 Rating, Add</i>	309.77	
<i>For Class 56 Rating, Add</i>	412.26	
40 05 19 00-3193 EA 10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,102.42	387.27
<i>For Class 52 Rating, Deduct</i>	-166.72	
<i>For Class 54 Rating, Add</i>	234.39	
<i>For Class 55 Rating, Add</i>	352.07	
<i>For Class 56 Rating, Add</i>	468.24	
40 05 19 00-3194 EA 10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,296.66	390.63
<i>For Class 52 Rating, Deduct</i>	-187.53	
<i>For Class 54 Rating, Add</i>	262.82	
<i>For Class 55 Rating, Add</i>	394.38	
<i>For Class 56 Rating, Add</i>	524.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3195	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,490.90	394.00
			<i>For Class 52 Rating, Deduct</i>	-208.33	
			<i>For Class 54 Rating, Add</i>	291.25	
			<i>For Class 55 Rating, Add</i>	436.68	
			<i>For Class 56 Rating, Add</i>	580.20	
40 05 19 00-3196	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,685.13	397.36
			<i>For Class 52 Rating, Deduct</i>	-229.14	
			<i>For Class 54 Rating, Add</i>	319.69	
			<i>For Class 55 Rating, Add</i>	478.97	
			<i>For Class 56 Rating, Add</i>	636.18	
40 05 19 00-3197	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,879.38	400.74
			<i>For Class 52 Rating, Deduct</i>	-249.94	
			<i>For Class 54 Rating, Add</i>	348.12	
			<i>For Class 55 Rating, Add</i>	521.27	
			<i>For Class 56 Rating, Add</i>	692.16	
40 05 19 00-3198	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,073.62	404.09
			<i>For Class 52 Rating, Deduct</i>	-270.75	
			<i>For Class 54 Rating, Add</i>	376.55	
			<i>For Class 55 Rating, Add</i>	563.58	
			<i>For Class 56 Rating, Add</i>	748.14	
40 05 19 00-3199	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,267.86	407.47
			<i>For Class 52 Rating, Deduct</i>	-291.55	
			<i>For Class 54 Rating, Add</i>	404.98	
			<i>For Class 55 Rating, Add</i>	605.88	
			<i>For Class 56 Rating, Add</i>	804.12	
40 05 19 00-3200	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,462.10	410.83
			<i>For Class 52 Rating, Deduct</i>	-312.36	
			<i>For Class 54 Rating, Add</i>	433.41	
			<i>For Class 55 Rating, Add</i>	648.18	
			<i>For Class 56 Rating, Add</i>	860.10	
40 05 19 00-3201	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,656.34	414.21
			<i>For Class 52 Rating, Deduct</i>	-333.16	
			<i>For Class 54 Rating, Add</i>	461.85	
			<i>For Class 55 Rating, Add</i>	690.48	
			<i>For Class 56 Rating, Add</i>	916.08	
40 05 19 00-3202	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,850.58	417.56
			<i>For Class 52 Rating, Deduct</i>	-353.97	
			<i>For Class 54 Rating, Add</i>	490.28	
			<i>For Class 55 Rating, Add</i>	732.78	
			<i>For Class 56 Rating, Add</i>	972.06	
40 05 19 00-3203	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,044.82	420.94
			<i>For Class 52 Rating, Deduct</i>	-374.77	
			<i>For Class 54 Rating, Add</i>	518.71	
			<i>For Class 55 Rating, Add</i>	775.08	
			<i>For Class 56 Rating, Add</i>	1,028.04	
40 05 19 00-3204	EA		10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,239.06	424.30
			<i>For Class 52 Rating, Deduct</i>	-395.58	
			<i>For Class 54 Rating, Add</i>	547.14	
			<i>For Class 55 Rating, Add</i>	817.38	
			<i>For Class 56 Rating, Add</i>	1,084.02	
40 05 19 00-3205	EA		10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,433.30	427.67
			<i>For Class 52 Rating, Deduct</i>	-416.39	
			<i>For Class 54 Rating, Add</i>	575.57	
			<i>For Class 55 Rating, Add</i>	859.68	
			<i>For Class 56 Rating, Add</i>	1,140.00	
40 05 19 00-3206	EA		10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,627.55	431.03
			<i>For Class 52 Rating, Deduct</i>	-437.19	
			<i>For Class 54 Rating, Add</i>	604.01	
			<i>For Class 55 Rating, Add</i>	901.98	
			<i>For Class 56 Rating, Add</i>	1,195.98	
40 05 19 00-3207	EA		10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,821.78	434.41
			<i>For Class 52 Rating, Deduct</i>	-457.99	
			<i>For Class 54 Rating, Add</i>	632.44	
			<i>For Class 55 Rating, Add</i>	944.28	
			<i>For Class 56 Rating, Add</i>	1,251.95	
40 05 19 00-3208	EA		10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,016.02	437.78
			<i>For Class 52 Rating, Deduct</i>	-478.80	
			<i>For Class 54 Rating, Add</i>	660.87	
			<i>For Class 55 Rating, Add</i>	986.58	
			<i>For Class 56 Rating, Add</i>	1,307.93	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3209 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,210.26	441.14
<i>For Class 52 Rating, Deduct</i>	-499.61	
<i>For Class 54 Rating, Add</i>	689.30	
<i>For Class 55 Rating, Add</i>	1,028.88	
<i>For Class 56 Rating, Add</i>	1,363.91	
40 05 19 00-3210 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,404.50	444.50
<i>For Class 52 Rating, Deduct</i>	-520.41	
<i>For Class 54 Rating, Add</i>	717.73	
<i>For Class 55 Rating, Add</i>	1,071.18	
<i>For Class 56 Rating, Add</i>	1,419.89	
40 05 19 00-3211 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,598.75	447.88
<i>For Class 52 Rating, Deduct</i>	-541.22	
<i>For Class 54 Rating, Add</i>	746.17	
<i>For Class 55 Rating, Add</i>	1,113.48	
<i>For Class 56 Rating, Add</i>	1,475.87	
40 05 19 00-3212 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,792.98	451.23
<i>For Class 52 Rating, Deduct</i>	-562.02	
<i>For Class 54 Rating, Add</i>	774.60	
<i>For Class 55 Rating, Add</i>	1,155.78	
<i>For Class 56 Rating, Add</i>	1,531.85	
40 05 19 00-3213 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,987.22	454.61
<i>For Class 52 Rating, Deduct</i>	-582.83	
<i>For Class 54 Rating, Add</i>	803.03	
<i>For Class 55 Rating, Add</i>	1,198.08	
<i>For Class 56 Rating, Add</i>	1,587.83	
40 05 19 00-3214 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,181.46	457.98
<i>For Class 52 Rating, Deduct</i>	-603.63	
<i>For Class 54 Rating, Add</i>	831.46	
<i>For Class 55 Rating, Add</i>	1,240.38	
<i>For Class 56 Rating, Add</i>	1,643.81	
40 05 19 00-3215 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,375.70	461.35
<i>For Class 52 Rating, Deduct</i>	-624.44	
<i>For Class 54 Rating, Add</i>	859.89	
<i>For Class 55 Rating, Add</i>	1,282.68	
<i>For Class 56 Rating, Add</i>	1,699.79	
40 05 19 00-3216 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,569.95	464.71
<i>For Class 52 Rating, Deduct</i>	-645.24	
<i>For Class 54 Rating, Add</i>	888.33	
<i>For Class 55 Rating, Add</i>	1,324.98	
<i>For Class 56 Rating, Add</i>	1,755.77	
40 05 19 00-3217 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,764.18	468.08
<i>For Class 52 Rating, Deduct</i>	-666.05	
<i>For Class 54 Rating, Add</i>	916.76	
<i>For Class 55 Rating, Add</i>	1,367.28	
<i>For Class 56 Rating, Add</i>	1,811.75	
40 05 19 00-3218 EA 10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,958.42	471.45
<i>For Class 52 Rating, Deduct</i>	-686.85	
<i>For Class 54 Rating, Add</i>	945.19	
<i>For Class 55 Rating, Add</i>	1,409.58	
<i>For Class 56 Rating, Add</i>	1,867.73	
40 05 19 00-3219 EA 10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,152.66	474.82
<i>For Class 52 Rating, Deduct</i>	-707.66	
<i>For Class 54 Rating, Add</i>	973.62	
<i>For Class 55 Rating, Add</i>	1,451.88	
<i>For Class 56 Rating, Add</i>	1,923.71	
40 05 19 00-3220 EA 10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,346.91	478.18
<i>For Class 52 Rating, Deduct</i>	-728.46	
<i>For Class 54 Rating, Add</i>	1,002.05	
<i>For Class 55 Rating, Add</i>	1,494.18	
<i>For Class 56 Rating, Add</i>	1,979.69	
40 05 19 00-3221 EA 10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,541.15	481.55
<i>For Class 52 Rating, Deduct</i>	-749.27	
<i>For Class 54 Rating, Add</i>	1,030.48	
<i>For Class 55 Rating, Add</i>	1,536.48	
<i>For Class 56 Rating, Add</i>	2,035.67	
40 05 19 00-3222 EA 10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,735.38	484.92
<i>For Class 52 Rating, Deduct</i>	-770.07	
<i>For Class 54 Rating, Add</i>	1,058.92	
<i>For Class 55 Rating, Add</i>	1,578.78	
<i>For Class 56 Rating, Add</i>	2,091.64	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3223	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,929.62	488.28
			<i>For Class 52 Rating, Deduct</i>	-790.88	
			<i>For Class 54 Rating, Add</i>	1,087.35	
			<i>For Class 55 Rating, Add</i>	1,621.08	
			<i>For Class 56 Rating, Add</i>	2,147.62	
40 05 19 00-3224	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,123.86	491.65
			<i>For Class 52 Rating, Deduct</i>	-811.68	
			<i>For Class 54 Rating, Add</i>	1,115.78	
			<i>For Class 55 Rating, Add</i>	1,663.38	
			<i>For Class 56 Rating, Add</i>	2,203.60	
40 05 19 00-3225	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,318.11	495.02
			<i>For Class 52 Rating, Deduct</i>	-832.49	
			<i>For Class 54 Rating, Add</i>	1,144.21	
			<i>For Class 55 Rating, Add</i>	1,705.68	
			<i>For Class 56 Rating, Add</i>	2,259.58	
40 05 19 00-3226	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,512.35	498.39
			<i>For Class 52 Rating, Deduct</i>	-853.29	
			<i>For Class 54 Rating, Add</i>	1,172.64	
			<i>For Class 55 Rating, Add</i>	1,747.98	
			<i>For Class 56 Rating, Add</i>	2,315.56	
40 05 19 00-3227	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,706.59	501.75
			<i>For Class 52 Rating, Deduct</i>	-874.10	
			<i>For Class 54 Rating, Add</i>	1,201.08	
			<i>For Class 55 Rating, Add</i>	1,790.28	
			<i>For Class 56 Rating, Add</i>	2,371.54	
40 05 19 00-3228	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,900.82	505.12
			<i>For Class 52 Rating, Deduct</i>	-894.90	
			<i>For Class 54 Rating, Add</i>	1,229.51	
			<i>For Class 55 Rating, Add</i>	1,832.58	
			<i>For Class 56 Rating, Add</i>	2,427.52	
40 05 19 00-3229			12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3230	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,966.71	471.45
			<i>For Class 52 Rating, Deduct</i>	-137.76	
			<i>For Class 54 Rating, Add</i>	196.43	
			<i>For Class 55 Rating, Add</i>	296.43	
			<i>For Class 56 Rating, Add</i>	395.17	
40 05 19 00-3231	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,206.96	474.82
			<i>For Class 52 Rating, Deduct</i>	-163.63	
			<i>For Class 54 Rating, Add</i>	231.77	
			<i>For Class 55 Rating, Add</i>	348.99	
			<i>For Class 56 Rating, Add</i>	464.73	
40 05 19 00-3232	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,447.21	478.18
			<i>For Class 52 Rating, Deduct</i>	-189.50	
			<i>For Class 54 Rating, Add</i>	267.10	
			<i>For Class 55 Rating, Add</i>	401.55	
			<i>For Class 56 Rating, Add</i>	534.28	
40 05 19 00-3233	EA		12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,687.45	481.55
			<i>For Class 52 Rating, Deduct</i>	-215.36	
			<i>For Class 54 Rating, Add</i>	302.43	
			<i>For Class 55 Rating, Add</i>	454.11	
			<i>For Class 56 Rating, Add</i>	603.83	
40 05 19 00-3234	EA		12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,927.70	484.92
			<i>For Class 52 Rating, Deduct</i>	-241.23	
			<i>For Class 54 Rating, Add</i>	337.76	
			<i>For Class 55 Rating, Add</i>	506.67	
			<i>For Class 56 Rating, Add</i>	673.38	
40 05 19 00-3235	EA		12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,167.94	488.28
			<i>For Class 52 Rating, Deduct</i>	-267.09	
			<i>For Class 54 Rating, Add</i>	373.10	
			<i>For Class 55 Rating, Add</i>	559.23	
			<i>For Class 56 Rating, Add</i>	742.93	
40 05 19 00-3236	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,408.19	491.65
			<i>For Class 52 Rating, Deduct</i>	-292.96	
			<i>For Class 54 Rating, Add</i>	408.43	
			<i>For Class 55 Rating, Add</i>	611.79	
			<i>For Class 56 Rating, Add</i>	812.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3237 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,648.44	495.02
<i>For Class 52 Rating, Deduct</i>	-318.83	
<i>For Class 54 Rating, Add</i>	443.76	
<i>For Class 55 Rating, Add</i>	664.35	
<i>For Class 56 Rating, Add</i>	882.03	
40 05 19 00-3238 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,888.69	498.39
<i>For Class 52 Rating, Deduct</i>	-344.69	
<i>For Class 54 Rating, Add</i>	479.10	
<i>For Class 55 Rating, Add</i>	716.91	
<i>For Class 56 Rating, Add</i>	951.58	
40 05 19 00-3239 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,128.93	501.75
<i>For Class 52 Rating, Deduct</i>	-370.56	
<i>For Class 54 Rating, Add</i>	514.43	
<i>For Class 55 Rating, Add</i>	769.47	
<i>For Class 56 Rating, Add</i>	1,021.13	
40 05 19 00-3240 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,369.18	505.12
<i>For Class 52 Rating, Deduct</i>	-396.42	
<i>For Class 54 Rating, Add</i>	549.76	
<i>For Class 55 Rating, Add</i>	822.03	
<i>For Class 56 Rating, Add</i>	1,090.69	
40 05 19 00-3241 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,609.43	508.50
<i>For Class 52 Rating, Deduct</i>	-422.29	
<i>For Class 54 Rating, Add</i>	585.09	
<i>For Class 55 Rating, Add</i>	874.59	
<i>For Class 56 Rating, Add</i>	1,160.24	
40 05 19 00-3242 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,849.69	511.85
<i>For Class 52 Rating, Deduct</i>	-448.16	
<i>For Class 54 Rating, Add</i>	620.43	
<i>For Class 55 Rating, Add</i>	927.15	
<i>For Class 56 Rating, Add</i>	1,229.79	
40 05 19 00-3243 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,089.93	515.23
<i>For Class 52 Rating, Deduct</i>	-474.02	
<i>For Class 54 Rating, Add</i>	655.76	
<i>For Class 55 Rating, Add</i>	979.71	
<i>For Class 56 Rating, Add</i>	1,299.34	
40 05 19 00-3244 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,330.18	518.59
<i>For Class 52 Rating, Deduct</i>	-499.89	
<i>For Class 54 Rating, Add</i>	691.09	
<i>For Class 55 Rating, Add</i>	1,032.27	
<i>For Class 56 Rating, Add</i>	1,368.89	
40 05 19 00-3245 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,570.42	521.97
<i>For Class 52 Rating, Deduct</i>	-525.75	
<i>For Class 54 Rating, Add</i>	726.43	
<i>For Class 55 Rating, Add</i>	1,084.82	
<i>For Class 56 Rating, Add</i>	1,438.44	
40 05 19 00-3246 EA 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,810.68	525.32
<i>For Class 52 Rating, Deduct</i>	-551.62	
<i>For Class 54 Rating, Add</i>	761.76	
<i>For Class 55 Rating, Add</i>	1,137.39	
<i>For Class 56 Rating, Add</i>	1,508.00	
40 05 19 00-3247 EA 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,050.92	528.70
<i>For Class 52 Rating, Deduct</i>	-577.48	
<i>For Class 54 Rating, Add</i>	797.09	
<i>For Class 55 Rating, Add</i>	1,189.94	
<i>For Class 56 Rating, Add</i>	1,577.55	
40 05 19 00-3248 EA 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,291.16	532.06
<i>For Class 52 Rating, Deduct</i>	-603.35	
<i>For Class 54 Rating, Add</i>	832.42	
<i>For Class 55 Rating, Add</i>	1,242.50	
<i>For Class 56 Rating, Add</i>	1,647.10	
40 05 19 00-3249 EA 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,531.41	535.43
<i>For Class 52 Rating, Deduct</i>	-629.22	
<i>For Class 54 Rating, Add</i>	867.76	
<i>For Class 55 Rating, Add</i>	1,295.06	
<i>For Class 56 Rating, Add</i>	1,716.65	
40 05 19 00-3250 EA 12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,771.65	538.79
<i>For Class 52 Rating, Deduct</i>	-655.08	
<i>For Class 54 Rating, Add</i>	903.09	
<i>For Class 55 Rating, Add</i>	1,347.62	
<i>For Class 56 Rating, Add</i>	1,786.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3251	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,011.91	542.17
			<i>For Class 52 Rating, Deduct</i>	-680.95	
			<i>For Class 54 Rating, Add</i>	938.42	
			<i>For Class 55 Rating, Add</i>	1,400.18	
			<i>For Class 56 Rating, Add</i>	1,855.75	
40 05 19 00-3252	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,252.15	545.53
			<i>For Class 52 Rating, Deduct</i>	-706.81	
			<i>For Class 54 Rating, Add</i>	973.76	
			<i>For Class 55 Rating, Add</i>	1,452.74	
			<i>For Class 56 Rating, Add</i>	1,925.30	
40 05 19 00-3253	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,492.40	548.90
			<i>For Class 52 Rating, Deduct</i>	-732.68	
			<i>For Class 54 Rating, Add</i>	1,009.09	
			<i>For Class 55 Rating, Add</i>	1,505.30	
			<i>For Class 56 Rating, Add</i>	1,994.86	
40 05 19 00-3254	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,732.64	552.26
			<i>For Class 52 Rating, Deduct</i>	-758.55	
			<i>For Class 54 Rating, Add</i>	1,044.42	
			<i>For Class 55 Rating, Add</i>	1,557.86	
			<i>For Class 56 Rating, Add</i>	2,064.41	
40 05 19 00-3255	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,972.89	555.64
			<i>For Class 52 Rating, Deduct</i>	-784.41	
			<i>For Class 54 Rating, Add</i>	1,079.76	
			<i>For Class 55 Rating, Add</i>	1,610.42	
			<i>For Class 56 Rating, Add</i>	2,133.96	
40 05 19 00-3256	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,213.14	559.01
			<i>For Class 52 Rating, Deduct</i>	-810.28	
			<i>For Class 54 Rating, Add</i>	1,115.09	
			<i>For Class 55 Rating, Add</i>	1,662.98	
			<i>For Class 56 Rating, Add</i>	2,203.51	
40 05 19 00-3257	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,453.39	562.37
			<i>For Class 52 Rating, Deduct</i>	-836.14	
			<i>For Class 54 Rating, Add</i>	1,150.42	
			<i>For Class 55 Rating, Add</i>	1,715.54	
			<i>For Class 56 Rating, Add</i>	2,273.06	
40 05 19 00-3258	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,693.63	565.73
			<i>For Class 52 Rating, Deduct</i>	-862.01	
			<i>For Class 54 Rating, Add</i>	1,185.75	
			<i>For Class 55 Rating, Add</i>	1,768.10	
			<i>For Class 56 Rating, Add</i>	2,342.61	
40 05 19 00-3259	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,933.88	569.11
			<i>For Class 52 Rating, Deduct</i>	-887.88	
			<i>For Class 54 Rating, Add</i>	1,221.09	
			<i>For Class 55 Rating, Add</i>	1,820.66	
			<i>For Class 56 Rating, Add</i>	2,412.16	
40 05 19 00-3260	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,174.13	572.46
			<i>For Class 52 Rating, Deduct</i>	-913.74	
			<i>For Class 54 Rating, Add</i>	1,256.42	
			<i>For Class 55 Rating, Add</i>	1,873.22	
			<i>For Class 56 Rating, Add</i>	2,481.71	
40 05 19 00-3261	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,414.37	575.84
			<i>For Class 52 Rating, Deduct</i>	-939.61	
			<i>For Class 54 Rating, Add</i>	1,291.75	
			<i>For Class 55 Rating, Add</i>	1,925.78	
			<i>For Class 56 Rating, Add</i>	2,551.26	
40 05 19 00-3262	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,654.62	579.21
			<i>For Class 52 Rating, Deduct</i>	-965.47	
			<i>For Class 54 Rating, Add</i>	1,327.09	
			<i>For Class 55 Rating, Add</i>	1,978.34	
			<i>For Class 56 Rating, Add</i>	2,620.82	
40 05 19 00-3263	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,894.86	582.58
			<i>For Class 52 Rating, Deduct</i>	-991.34	
			<i>For Class 54 Rating, Add</i>	1,362.42	
			<i>For Class 55 Rating, Add</i>	2,030.90	
			<i>For Class 56 Rating, Add</i>	2,690.37	
40 05 19 00-3264	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,135.11	585.94
			<i>For Class 52 Rating, Deduct</i>	-1,017.21	
			<i>For Class 54 Rating, Add</i>	1,397.75	
			<i>For Class 55 Rating, Add</i>	2,083.46	
			<i>For Class 56 Rating, Add</i>	2,759.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3265 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,375.36	589.31
<i>For Class 52 Rating, Deduct</i>	-1,043.07	
<i>For Class 54 Rating, Add</i>	1,433.08	
<i>For Class 55 Rating, Add</i>	2,136.02	
<i>For Class 56 Rating, Add</i>	2,829.47	
40 05 19 00-3266 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,615.61	592.68
<i>For Class 52 Rating, Deduct</i>	-1,068.94	
<i>For Class 54 Rating, Add</i>	1,468.42	
<i>For Class 55 Rating, Add</i>	2,188.58	
<i>For Class 56 Rating, Add</i>	2,899.02	
40 05 19 00-3267 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,855.85	596.04
<i>For Class 52 Rating, Deduct</i>	-1,094.80	
<i>For Class 54 Rating, Add</i>	1,503.75	
<i>For Class 55 Rating, Add</i>	2,241.14	
<i>For Class 56 Rating, Add</i>	2,968.57	
40 05 19 00-3268 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,096.10	599.41
<i>For Class 52 Rating, Deduct</i>	-1,120.67	
<i>For Class 54 Rating, Add</i>	1,539.08	
<i>For Class 55 Rating, Add</i>	2,293.70	
<i>For Class 56 Rating, Add</i>	3,038.13	
 40 05 19 00-3269 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3270 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,623.32	565.73
<i>For Class 52 Rating, Deduct</i>	-194.28	
<i>For Class 54 Rating, Add</i>	275.21	
<i>For Class 55 Rating, Add</i>	414.42	
<i>For Class 56 Rating, Add</i>	551.87	
40 05 19 00-3271 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,914.68	569.11
<i>For Class 52 Rating, Deduct</i>	-225.76	
<i>For Class 54 Rating, Add</i>	318.21	
<i>For Class 55 Rating, Add</i>	478.38	
<i>For Class 56 Rating, Add</i>	636.50	
40 05 19 00-3272 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,206.06	572.46
<i>For Class 52 Rating, Deduct</i>	-257.25	
<i>For Class 54 Rating, Add</i>	361.21	
<i>For Class 55 Rating, Add</i>	542.34	
<i>For Class 56 Rating, Add</i>	721.13	
40 05 19 00-3273 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,497.42	575.84
<i>For Class 52 Rating, Deduct</i>	-288.74	
<i>For Class 54 Rating, Add</i>	404.21	
<i>For Class 55 Rating, Add</i>	606.30	
<i>For Class 56 Rating, Add</i>	805.76	
40 05 19 00-3274 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,788.78	579.21
<i>For Class 52 Rating, Deduct</i>	-320.23	
<i>For Class 54 Rating, Add</i>	447.21	
<i>For Class 55 Rating, Add</i>	670.26	
<i>For Class 56 Rating, Add</i>	890.39	
40 05 19 00-3275 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,080.15	582.58
<i>For Class 52 Rating, Deduct</i>	-351.72	
<i>For Class 54 Rating, Add</i>	490.21	
<i>For Class 55 Rating, Add</i>	734.22	
<i>For Class 56 Rating, Add</i>	975.03	
40 05 19 00-3276 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,371.51	585.94
<i>For Class 52 Rating, Deduct</i>	-383.21	
<i>For Class 54 Rating, Add</i>	533.21	
<i>For Class 55 Rating, Add</i>	798.18	
<i>For Class 56 Rating, Add</i>	1,059.66	
40 05 19 00-3277 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,662.88	589.31
<i>For Class 52 Rating, Deduct</i>	-414.70	
<i>For Class 54 Rating, Add</i>	576.21	
<i>For Class 55 Rating, Add</i>	862.14	
<i>For Class 56 Rating, Add</i>	1,144.29	
40 05 19 00-3278 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,954.24	592.68
<i>For Class 52 Rating, Deduct</i>	-446.19	
<i>For Class 54 Rating, Add</i>	619.21	
<i>For Class 55 Rating, Add</i>	926.09	
<i>For Class 56 Rating, Add</i>	1,228.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3279	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,245.61	596.04
			<i>For Class 52 Rating, Deduct</i>	-477.68	
			<i>For Class 54 Rating, Add</i>	662.21	
			<i>For Class 55 Rating, Add</i>	990.05	
			<i>For Class 56 Rating, Add</i>	1,313.55	
40 05 19 00-3280	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,536.97	599.41
			<i>For Class 52 Rating, Deduct</i>	-509.16	
			<i>For Class 54 Rating, Add</i>	705.21	
			<i>For Class 55 Rating, Add</i>	1,054.01	
			<i>For Class 56 Rating, Add</i>	1,398.18	
40 05 19 00-3281	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,828.33	602.78
			<i>For Class 52 Rating, Deduct</i>	-540.65	
			<i>For Class 54 Rating, Add</i>	748.21	
			<i>For Class 55 Rating, Add</i>	1,117.97	
			<i>For Class 56 Rating, Add</i>	1,482.81	
40 05 19 00-3282	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,119.71	606.15
			<i>For Class 52 Rating, Deduct</i>	-572.14	
			<i>For Class 54 Rating, Add</i>	791.22	
			<i>For Class 55 Rating, Add</i>	1,181.93	
			<i>For Class 56 Rating, Add</i>	1,567.45	
40 05 19 00-3283	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,411.07	609.51
			<i>For Class 52 Rating, Deduct</i>	-603.63	
			<i>For Class 54 Rating, Add</i>	834.22	
			<i>For Class 55 Rating, Add</i>	1,245.89	
			<i>For Class 56 Rating, Add</i>	1,652.08	
40 05 19 00-3284	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,702.43	612.88
			<i>For Class 52 Rating, Deduct</i>	-635.12	
			<i>For Class 54 Rating, Add</i>	877.22	
			<i>For Class 55 Rating, Add</i>	1,309.85	
			<i>For Class 56 Rating, Add</i>	1,736.71	
40 05 19 00-3285	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,993.80	616.25
			<i>For Class 52 Rating, Deduct</i>	-666.61	
			<i>For Class 54 Rating, Add</i>	920.22	
			<i>For Class 55 Rating, Add</i>	1,373.81	
			<i>For Class 56 Rating, Add</i>	1,821.34	
40 05 19 00-3286	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,285.17	619.61
			<i>For Class 52 Rating, Deduct</i>	-698.10	
			<i>For Class 54 Rating, Add</i>	963.22	
			<i>For Class 55 Rating, Add</i>	1,437.77	
			<i>For Class 56 Rating, Add</i>	1,905.97	
40 05 19 00-3287	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,576.53	622.98
			<i>For Class 52 Rating, Deduct</i>	-729.59	
			<i>For Class 54 Rating, Add</i>	1,006.22	
			<i>For Class 55 Rating, Add</i>	1,501.73	
			<i>For Class 56 Rating, Add</i>	1,990.60	
40 05 19 00-3288	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,867.90	626.35
			<i>For Class 52 Rating, Deduct</i>	-761.08	
			<i>For Class 54 Rating, Add</i>	1,049.22	
			<i>For Class 55 Rating, Add</i>	1,565.69	
			<i>For Class 56 Rating, Add</i>	2,075.23	
40 05 19 00-3289	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,159.26	629.73
			<i>For Class 52 Rating, Deduct</i>	-792.57	
			<i>For Class 54 Rating, Add</i>	1,092.22	
			<i>For Class 55 Rating, Add</i>	1,629.65	
			<i>For Class 56 Rating, Add</i>	2,159.86	
40 05 19 00-3290	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,450.62	633.08
			<i>For Class 52 Rating, Deduct</i>	-824.05	
			<i>For Class 54 Rating, Add</i>	1,135.22	
			<i>For Class 55 Rating, Add</i>	1,693.60	
			<i>For Class 56 Rating, Add</i>	2,244.49	
40 05 19 00-3291	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,741.99	636.45
			<i>For Class 52 Rating, Deduct</i>	-855.54	
			<i>For Class 54 Rating, Add</i>	1,178.22	
			<i>For Class 55 Rating, Add</i>	1,757.56	
			<i>For Class 56 Rating, Add</i>	2,329.13	
40 05 19 00-3292	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,033.36	639.82
			<i>For Class 52 Rating, Deduct</i>	-887.03	
			<i>For Class 54 Rating, Add</i>	1,221.22	
			<i>For Class 55 Rating, Add</i>	1,821.52	
			<i>For Class 56 Rating, Add</i>	2,413.76	



Process Interconnections	40
Common Work Results For Process Interconnections 40 05	
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3293 EA 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	9,324.72	643.20
For Class 52 Rating, Deduct	-918.52	
For Class 54 Rating, Add	1,264.22	
For Class 55 Rating, Add	1,885.48	
For Class 56 Rating, Add	2,498.39	
40 05 19 00-3294 EA 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	9,616.08	646.55
For Class 52 Rating, Deduct	-950.01	
For Class 54 Rating, Add	1,307.22	
For Class 55 Rating, Add	1,949.44	
For Class 56 Rating, Add	2,583.02	
40 05 19 00-3295 EA 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	9,907.46	649.93
For Class 52 Rating, Deduct	-981.50	
For Class 54 Rating, Add	1,350.22	
For Class 55 Rating, Add	2,013.40	
For Class 56 Rating, Add	2,667.65	
40 05 19 00-3296 EA 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	10,198.82	653.29
For Class 52 Rating, Deduct	-1,012.99	
For Class 54 Rating, Add	1,393.23	
For Class 55 Rating, Add	2,077.36	
For Class 56 Rating, Add	2,752.28	
40 05 19 00-3297 EA 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	10,490.18	656.66
For Class 52 Rating, Deduct	-1,044.48	
For Class 54 Rating, Add	1,436.23	
For Class 55 Rating, Add	2,141.32	
For Class 56 Rating, Add	2,836.91	
40 05 19 00-3298 EA 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	10,781.55	660.02
For Class 52 Rating, Deduct	-1,075.97	
For Class 54 Rating, Add	1,479.23	
For Class 55 Rating, Add	2,205.28	
For Class 56 Rating, Add	2,921.55	
40 05 19 00-3299 EA 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	11,072.91	663.40
For Class 52 Rating, Deduct	-1,107.45	
For Class 54 Rating, Add	1,522.23	
For Class 55 Rating, Add	2,269.24	
For Class 56 Rating, Add	3,006.18	
40 05 19 00-3300 EA 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	11,364.28	666.76
For Class 52 Rating, Deduct	-1,138.94	
For Class 54 Rating, Add	1,565.23	
For Class 55 Rating, Add	2,333.19	
For Class 56 Rating, Add	3,090.81	
40 05 19 00-3301 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	11,655.65	670.13
For Class 52 Rating, Deduct	-1,170.43	
For Class 54 Rating, Add	1,608.23	
For Class 55 Rating, Add	2,397.16	
For Class 56 Rating, Add	3,175.44	
40 05 19 00-3302 EA 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	11,947.01	673.49
For Class 52 Rating, Deduct	-1,201.92	
For Class 54 Rating, Add	1,651.23	
For Class 55 Rating, Add	2,461.11	
For Class 56 Rating, Add	3,260.07	
40 05 19 00-3303 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	12,238.37	676.87
For Class 52 Rating, Deduct	-1,233.41	
For Class 54 Rating, Add	1,694.23	
For Class 55 Rating, Add	2,525.07	
For Class 56 Rating, Add	3,344.70	
40 05 19 00-3304 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	12,529.73	680.22
For Class 52 Rating, Deduct	-1,264.90	
For Class 54 Rating, Add	1,737.23	
For Class 55 Rating, Add	2,589.03	
For Class 56 Rating, Add	3,429.33	
40 05 19 00-3305 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	12,821.11	683.60
For Class 52 Rating, Deduct	-1,296.39	
For Class 54 Rating, Add	1,780.23	
For Class 55 Rating, Add	2,652.99	
For Class 56 Rating, Add	3,513.97	
40 05 19 00-3306 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	13,112.47	686.96
For Class 52 Rating, Deduct	-1,327.88	
For Class 54 Rating, Add	1,823.23	
For Class 55 Rating, Add	2,716.95	
For Class 56 Rating, Add	3,598.60	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3307	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,403.83	690.34
			<i>For Class 52 Rating, Deduct</i>	-1,359.37	
			<i>For Class 54 Rating, Add</i>	1,866.23	
			<i>For Class 55 Rating, Add</i>	2,780.91	
			<i>For Class 56 Rating, Add</i>	3,683.23	
40 05 19 00-3308			16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3309	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,062.70	646.55
			<i>For Class 52 Rating, Deduct</i>	-229.14	
			<i>For Class 54 Rating, Add</i>	324.22	
			<i>For Class 55 Rating, Add</i>	488.04	
			<i>For Class 56 Rating, Add</i>	649.77	
40 05 19 00-3310	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,400.08	649.93
			<i>For Class 52 Rating, Deduct</i>	-265.69	
			<i>For Class 54 Rating, Add</i>	374.12	
			<i>For Class 55 Rating, Add</i>	562.25	
			<i>For Class 56 Rating, Add</i>	747.98	
40 05 19 00-3311	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,737.45	653.29
			<i>For Class 52 Rating, Deduct</i>	-302.24	
			<i>For Class 54 Rating, Add</i>	424.02	
			<i>For Class 55 Rating, Add</i>	636.47	
			<i>For Class 56 Rating, Add</i>	846.18	
40 05 19 00-3312	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,074.82	656.66
			<i>For Class 52 Rating, Deduct</i>	-338.79	
			<i>For Class 54 Rating, Add</i>	473.92	
			<i>For Class 55 Rating, Add</i>	710.69	
			<i>For Class 56 Rating, Add</i>	944.38	
40 05 19 00-3313	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,412.19	660.02
			<i>For Class 52 Rating, Deduct</i>	-375.34	
			<i>For Class 54 Rating, Add</i>	523.82	
			<i>For Class 55 Rating, Add</i>	784.91	
			<i>For Class 56 Rating, Add</i>	1,042.59	
40 05 19 00-3314	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,749.56	663.40
			<i>For Class 52 Rating, Deduct</i>	-411.89	
			<i>For Class 54 Rating, Add</i>	573.72	
			<i>For Class 55 Rating, Add</i>	859.13	
			<i>For Class 56 Rating, Add</i>	1,140.79	
40 05 19 00-3315	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,086.94	666.76
			<i>For Class 52 Rating, Deduct</i>	-448.44	
			<i>For Class 54 Rating, Add</i>	623.63	
			<i>For Class 55 Rating, Add</i>	933.35	
			<i>For Class 56 Rating, Add</i>	1,238.99	
40 05 19 00-3316	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,424.31	670.13
			<i>For Class 52 Rating, Deduct</i>	-484.99	
			<i>For Class 54 Rating, Add</i>	673.53	
			<i>For Class 55 Rating, Add</i>	1,007.57	
			<i>For Class 56 Rating, Add</i>	1,337.20	
40 05 19 00-3317	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,761.68	673.49
			<i>For Class 52 Rating, Deduct</i>	-521.54	
			<i>For Class 54 Rating, Add</i>	723.43	
			<i>For Class 55 Rating, Add</i>	1,081.79	
			<i>For Class 56 Rating, Add</i>	1,435.40	
40 05 19 00-3318	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,099.05	676.87
			<i>For Class 52 Rating, Deduct</i>	-558.09	
			<i>For Class 54 Rating, Add</i>	773.33	
			<i>For Class 55 Rating, Add</i>	1,156.00	
			<i>For Class 56 Rating, Add</i>	1,533.60	
40 05 19 00-3319	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,436.42	680.22
			<i>For Class 52 Rating, Deduct</i>	-594.63	
			<i>For Class 54 Rating, Add</i>	823.23	
			<i>For Class 55 Rating, Add</i>	1,230.22	
			<i>For Class 56 Rating, Add</i>	1,631.81	
40 05 19 00-3320	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,773.80	683.60
			<i>For Class 52 Rating, Deduct</i>	-631.18	
			<i>For Class 54 Rating, Add</i>	873.14	
			<i>For Class 55 Rating, Add</i>	1,304.44	
			<i>For Class 56 Rating, Add</i>	1,730.01	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3321	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,111.17	686.96
		For Class 52 Rating, Deduct	-667.73	
		For Class 54 Rating, Add	923.04	
		For Class 55 Rating, Add	1,378.66	
		For Class 56 Rating, Add	1,828.21	
40 05 19 00-3322	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,448.54	690.34
		For Class 52 Rating, Deduct	-704.28	
		For Class 54 Rating, Add	972.94	
		For Class 55 Rating, Add	1,452.88	
		For Class 56 Rating, Add	1,926.42	
40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,785.91	693.69
		For Class 52 Rating, Deduct	-740.83	
		For Class 54 Rating, Add	1,022.84	
		For Class 55 Rating, Add	1,527.10	
		For Class 56 Rating, Add	2,024.62	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,123.29	697.07
		For Class 52 Rating, Deduct	-777.38	
		For Class 54 Rating, Add	1,072.74	
		For Class 55 Rating, Add	1,601.32	
		For Class 56 Rating, Add	2,122.82	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,460.66	700.44
		For Class 52 Rating, Deduct	-813.93	
		For Class 54 Rating, Add	1,122.64	
		For Class 55 Rating, Add	1,675.53	
		For Class 56 Rating, Add	2,221.03	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,798.03	703.80
		For Class 52 Rating, Deduct	-850.48	
		For Class 54 Rating, Add	1,172.55	
		For Class 55 Rating, Add	1,749.75	
		For Class 56 Rating, Add	2,319.23	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,135.40	707.17
		For Class 52 Rating, Deduct	-887.03	
		For Class 54 Rating, Add	1,222.45	
		For Class 55 Rating, Add	1,823.97	
		For Class 56 Rating, Add	2,417.43	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,472.77	710.54
		For Class 52 Rating, Deduct	-923.58	
		For Class 54 Rating, Add	1,272.35	
		For Class 55 Rating, Add	1,898.19	
		For Class 56 Rating, Add	2,515.64	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,810.15	713.91
		For Class 52 Rating, Deduct	-960.13	
		For Class 54 Rating, Add	1,322.25	
		For Class 55 Rating, Add	1,972.41	
		For Class 56 Rating, Add	2,613.84	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,147.52	717.27
		For Class 52 Rating, Deduct	-996.68	
		For Class 54 Rating, Add	1,372.15	
		For Class 55 Rating, Add	2,046.63	
		For Class 56 Rating, Add	2,712.04	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,484.89	720.64
		For Class 52 Rating, Deduct	-1,033.23	
		For Class 54 Rating, Add	1,422.05	
		For Class 55 Rating, Add	2,120.85	
		For Class 56 Rating, Add	2,810.25	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,822.26	724.01
		For Class 52 Rating, Deduct	-1,069.78	
		For Class 54 Rating, Add	1,471.96	
		For Class 55 Rating, Add	2,195.06	
		For Class 56 Rating, Add	2,908.45	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,159.63	727.38
		For Class 52 Rating, Deduct	-1,106.33	
		For Class 54 Rating, Add	1,521.86	
		For Class 55 Rating, Add	2,269.28	
		For Class 56 Rating, Add	3,006.65	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,497.00	730.74
		For Class 52 Rating, Deduct	-1,142.88	
		For Class 54 Rating, Add	1,571.76	
		For Class 55 Rating, Add	2,343.50	
		For Class 56 Rating, Add	3,104.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,834.37	734.11
		<i>For Class 52 Rating, Deduct</i>	-1,179.43	
		<i>For Class 54 Rating, Add</i>	1,621.66	
		<i>For Class 55 Rating, Add</i>	2,417.72	
		<i>For Class 56 Rating, Add</i>	3,203.06	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,171.74	737.48
		<i>For Class 52 Rating, Deduct</i>	-1,215.98	
		<i>For Class 54 Rating, Add</i>	1,671.56	
		<i>For Class 55 Rating, Add</i>	2,491.94	
		<i>For Class 56 Rating, Add</i>	3,301.26	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,509.11	740.84
		<i>For Class 52 Rating, Deduct</i>	-1,252.53	
		<i>For Class 54 Rating, Add</i>	1,721.46	
		<i>For Class 55 Rating, Add</i>	2,566.16	
		<i>For Class 56 Rating, Add</i>	3,399.46	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,846.49	744.21
		<i>For Class 52 Rating, Deduct</i>	-1,289.08	
		<i>For Class 54 Rating, Add</i>	1,771.36	
		<i>For Class 55 Rating, Add</i>	2,640.37	
		<i>For Class 56 Rating, Add</i>	3,497.67	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,183.86	747.58
		<i>For Class 52 Rating, Deduct</i>	-1,325.63	
		<i>For Class 54 Rating, Add</i>	1,821.27	
		<i>For Class 55 Rating, Add</i>	2,714.59	
		<i>For Class 56 Rating, Add</i>	3,595.87	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,521.23	750.96
		<i>For Class 52 Rating, Deduct</i>	-1,362.18	
		<i>For Class 54 Rating, Add</i>	1,871.17	
		<i>For Class 55 Rating, Add</i>	2,788.81	
		<i>For Class 56 Rating, Add</i>	3,694.07	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,858.60	754.31
		<i>For Class 52 Rating, Deduct</i>	-1,398.73	
		<i>For Class 54 Rating, Add</i>	1,921.07	
		<i>For Class 55 Rating, Add</i>	2,863.03	
		<i>For Class 56 Rating, Add</i>	3,792.28	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,195.97	757.68
		<i>For Class 52 Rating, Deduct</i>	-1,435.28	
		<i>For Class 54 Rating, Add</i>	1,970.97	
		<i>For Class 55 Rating, Add</i>	2,937.25	
		<i>For Class 56 Rating, Add</i>	3,890.48	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,533.35	761.05
		<i>For Class 52 Rating, Deduct</i>	-1,471.83	
		<i>For Class 54 Rating, Add</i>	2,020.87	
		<i>For Class 55 Rating, Add</i>	3,011.47	
		<i>For Class 56 Rating, Add</i>	3,988.68	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,870.72	764.41
		<i>For Class 52 Rating, Deduct</i>	-1,508.38	
		<i>For Class 54 Rating, Add</i>	2,070.78	
		<i>For Class 55 Rating, Add</i>	3,085.69	
		<i>For Class 56 Rating, Add</i>	4,086.89	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,208.09	767.78
		<i>For Class 52 Rating, Deduct</i>	-1,544.93	
		<i>For Class 54 Rating, Add</i>	2,120.68	
		<i>For Class 55 Rating, Add</i>	3,159.91	
		<i>For Class 56 Rating, Add</i>	4,185.09	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,545.46	771.16
		<i>For Class 52 Rating, Deduct</i>	-1,581.48	
		<i>For Class 54 Rating, Add</i>	2,170.58	
		<i>For Class 55 Rating, Add</i>	3,234.12	
		<i>For Class 56 Rating, Add</i>	4,283.29	
40 05 19 00-3347		18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3348	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,545.03	728.73
		<i>For Class 52 Rating, Deduct</i>	-268.50	
		<i>For Class 54 Rating, Add</i>	379.38	
		<i>For Class 55 Rating, Add</i>	570.82	
		<i>For Class 56 Rating, Add</i>	759.81	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3349 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,933.52	732.10
<i>For Class 52 Rating, Deduct</i>	-310.67	
<i>For Class 54 Rating, Add</i>	436.95	
<i>For Class 55 Rating, Add</i>	656.44	
<i>For Class 56 Rating, Add</i>	873.10	
40 05 19 00-3350 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,322.01	735.46
<i>For Class 52 Rating, Deduct</i>	-352.84	
<i>For Class 54 Rating, Add</i>	494.52	
<i>For Class 55 Rating, Add</i>	742.06	
<i>For Class 56 Rating, Add</i>	986.38	
40 05 19 00-3351 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,710.51	738.83
<i>For Class 52 Rating, Deduct</i>	-395.02	
<i>For Class 54 Rating, Add</i>	552.09	
<i>For Class 55 Rating, Add</i>	827.68	
<i>For Class 56 Rating, Add</i>	1,099.67	
40 05 19 00-3352 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,099.00	742.20
<i>For Class 52 Rating, Deduct</i>	-437.19	
<i>For Class 54 Rating, Add</i>	609.66	
<i>For Class 55 Rating, Add</i>	913.29	
<i>For Class 56 Rating, Add</i>	1,212.95	
40 05 19 00-3353 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,487.48	745.55
<i>For Class 52 Rating, Deduct</i>	-479.36	
<i>For Class 54 Rating, Add</i>	667.23	
<i>For Class 55 Rating, Add</i>	998.91	
<i>For Class 56 Rating, Add</i>	1,326.23	
40 05 19 00-3354 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,875.97	748.93
<i>For Class 52 Rating, Deduct</i>	-521.54	
<i>For Class 54 Rating, Add</i>	724.80	
<i>For Class 55 Rating, Add</i>	1,084.53	
<i>For Class 56 Rating, Add</i>	1,439.51	
40 05 19 00-3355 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,264.46	752.30
<i>For Class 52 Rating, Deduct</i>	-563.71	
<i>For Class 54 Rating, Add</i>	782.37	
<i>For Class 55 Rating, Add</i>	1,170.15	
<i>For Class 56 Rating, Add</i>	1,552.80	
40 05 19 00-3356 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,652.96	755.67
<i>For Class 52 Rating, Deduct</i>	-605.88	
<i>For Class 54 Rating, Add</i>	839.94	
<i>For Class 55 Rating, Add</i>	1,255.77	
<i>For Class 56 Rating, Add</i>	1,666.08	
40 05 19 00-3357 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,041.45	759.03
<i>For Class 52 Rating, Deduct</i>	-648.05	
<i>For Class 54 Rating, Add</i>	897.51	
<i>For Class 55 Rating, Add</i>	1,341.38	
<i>For Class 56 Rating, Add</i>	1,779.36	
40 05 19 00-3358 EA 18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,429.93	762.40
<i>For Class 52 Rating, Deduct</i>	-690.23	
<i>For Class 54 Rating, Add</i>	955.08	
<i>For Class 55 Rating, Add</i>	1,427.00	
<i>For Class 56 Rating, Add</i>	1,892.65	
40 05 19 00-3359 EA 18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,818.42	765.77
<i>For Class 52 Rating, Deduct</i>	-732.40	
<i>For Class 54 Rating, Add</i>	1,012.65	
<i>For Class 55 Rating, Add</i>	1,512.62	
<i>For Class 56 Rating, Add</i>	2,005.93	
40 05 19 00-3360 EA 18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,206.92	769.13
<i>For Class 52 Rating, Deduct</i>	-774.57	
<i>For Class 54 Rating, Add</i>	1,070.22	
<i>For Class 55 Rating, Add</i>	1,598.24	
<i>For Class 56 Rating, Add</i>	2,119.21	
40 05 19 00-3361 EA 18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,595.41	772.50
<i>For Class 52 Rating, Deduct</i>	-816.74	
<i>For Class 54 Rating, Add</i>	1,127.79	
<i>For Class 55 Rating, Add</i>	1,683.85	
<i>For Class 56 Rating, Add</i>	2,232.50	
40 05 19 00-3362 EA 18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,983.90	775.87
<i>For Class 52 Rating, Deduct</i>	-858.92	
<i>For Class 54 Rating, Add</i>	1,185.36	
<i>For Class 55 Rating, Add</i>	1,769.47	
<i>For Class 56 Rating, Add</i>	2,345.78	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,372.38	779.24
		<i>For Class 52 Rating, Deduct</i>	-901.09	
		<i>For Class 54 Rating, Add</i>	1,242.93	
		<i>For Class 55 Rating, Add</i>	1,855.09	
		<i>For Class 56 Rating, Add</i>	2,459.06	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,760.87	782.60
		<i>For Class 52 Rating, Deduct</i>	-943.26	
		<i>For Class 54 Rating, Add</i>	1,300.50	
		<i>For Class 55 Rating, Add</i>	1,940.71	
		<i>For Class 56 Rating, Add</i>	2,572.34	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,149.37	785.97
		<i>For Class 52 Rating, Deduct</i>	-985.44	
		<i>For Class 54 Rating, Add</i>	1,358.07	
		<i>For Class 55 Rating, Add</i>	2,026.33	
		<i>For Class 56 Rating, Add</i>	2,685.63	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,537.86	789.35
		<i>For Class 52 Rating, Deduct</i>	-1,027.61	
		<i>For Class 54 Rating, Add</i>	1,415.64	
		<i>For Class 55 Rating, Add</i>	2,111.94	
		<i>For Class 56 Rating, Add</i>	2,798.91	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,926.35	792.70
		<i>For Class 52 Rating, Deduct</i>	-1,069.78	
		<i>For Class 54 Rating, Add</i>	1,473.20	
		<i>For Class 55 Rating, Add</i>	2,197.56	
		<i>For Class 56 Rating, Add</i>	2,912.20	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,314.83	796.07
		<i>For Class 52 Rating, Deduct</i>	-1,111.95	
		<i>For Class 54 Rating, Add</i>	1,530.77	
		<i>For Class 55 Rating, Add</i>	2,283.18	
		<i>For Class 56 Rating, Add</i>	3,025.48	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,703.32	799.44
		<i>For Class 52 Rating, Deduct</i>	-1,154.13	
		<i>For Class 54 Rating, Add</i>	1,588.34	
		<i>For Class 55 Rating, Add</i>	2,368.80	
		<i>For Class 56 Rating, Add</i>	3,138.76	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,091.82	802.82
		<i>For Class 52 Rating, Deduct</i>	-1,196.30	
		<i>For Class 54 Rating, Add</i>	1,645.91	
		<i>For Class 55 Rating, Add</i>	2,454.42	
		<i>For Class 56 Rating, Add</i>	3,252.04	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,480.31	806.17
		<i>For Class 52 Rating, Deduct</i>	-1,238.47	
		<i>For Class 54 Rating, Add</i>	1,703.48	
		<i>For Class 55 Rating, Add</i>	2,540.03	
		<i>For Class 56 Rating, Add</i>	3,365.33	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,868.80	809.55
		<i>For Class 52 Rating, Deduct</i>	-1,280.64	
		<i>For Class 54 Rating, Add</i>	1,761.05	
		<i>For Class 55 Rating, Add</i>	2,625.65	
		<i>For Class 56 Rating, Add</i>	3,478.61	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,257.28	812.91
		<i>For Class 52 Rating, Deduct</i>	-1,322.82	
		<i>For Class 54 Rating, Add</i>	1,818.62	
		<i>For Class 55 Rating, Add</i>	2,711.27	
		<i>For Class 56 Rating, Add</i>	3,591.89	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,645.78	816.29
		<i>For Class 52 Rating, Deduct</i>	-1,364.99	
		<i>For Class 54 Rating, Add</i>	1,876.19	
		<i>For Class 55 Rating, Add</i>	2,796.89	
		<i>For Class 56 Rating, Add</i>	3,705.18	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,034.27	819.64
		<i>For Class 52 Rating, Deduct</i>	-1,407.16	
		<i>For Class 54 Rating, Add</i>	1,933.76	
		<i>For Class 55 Rating, Add</i>	2,882.51	
		<i>For Class 56 Rating, Add</i>	3,818.46	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,422.76	823.02
		<i>For Class 52 Rating, Deduct</i>	-1,449.33	
		<i>For Class 54 Rating, Add</i>	1,991.33	
		<i>For Class 55 Rating, Add</i>	2,968.12	
		<i>For Class 56 Rating, Add</i>	3,931.74	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3377 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,811.25	826.38
For Class 52 Rating, Deduct	-1,491.51	
For Class 54 Rating, Add	2,048.90	
For Class 55 Rating, Add	3,053.74	
For Class 56 Rating, Add	4,045.03	
40 05 19 00-3378 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,199.73	829.75
For Class 52 Rating, Deduct	-1,533.68	
For Class 54 Rating, Add	2,106.47	
For Class 55 Rating, Add	3,139.36	
For Class 56 Rating, Add	4,158.31	
40 05 19 00-3379 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,588.23	833.11
For Class 52 Rating, Deduct	-1,575.85	
For Class 54 Rating, Add	2,164.04	
For Class 55 Rating, Add	3,224.98	
For Class 56 Rating, Add	4,271.59	
40 05 19 00-3380 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,976.72	836.49
For Class 52 Rating, Deduct	-1,618.03	
For Class 54 Rating, Add	2,221.61	
For Class 55 Rating, Add	3,310.60	
For Class 56 Rating, Add	4,384.88	
40 05 19 00-3381 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,365.21	839.85
For Class 52 Rating, Deduct	-1,660.20	
For Class 54 Rating, Add	2,279.18	
For Class 55 Rating, Add	3,396.21	
For Class 56 Rating, Add	4,498.16	
40 05 19 00-3382 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,753.70	843.22
For Class 52 Rating, Deduct	-1,702.37	
For Class 54 Rating, Add	2,336.75	
For Class 55 Rating, Add	3,481.83	
For Class 56 Rating, Add	4,611.44	
40 05 19 00-3383 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,142.18	846.58
For Class 52 Rating, Deduct	-1,744.54	
For Class 54 Rating, Add	2,394.31	
For Class 55 Rating, Add	3,567.45	
For Class 56 Rating, Add	4,724.72	
40 05 19 00-3384 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,530.68	849.96
For Class 52 Rating, Deduct	-1,786.72	
For Class 54 Rating, Add	2,451.88	
For Class 55 Rating, Add	3,653.07	
For Class 56 Rating, Add	4,838.01	
40 05 19 00-3385 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,919.17	853.31
For Class 52 Rating, Deduct	-1,828.89	
For Class 54 Rating, Add	2,509.45	
For Class 55 Rating, Add	3,738.69	
For Class 56 Rating, Add	4,951.29	
 40 05 19 00-3386 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3387 EA 20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,122.88	831.77
For Class 52 Rating, Deduct	-314.89	
For Class 54 Rating, Add	444.52	
For Class 55 Rating, Add	668.61	
For Class 56 Rating, Add	889.84	
40 05 19 00-3388 EA 20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,565.04	835.15
For Class 52 Rating, Deduct	-362.97	
For Class 54 Rating, Add	510.14	
For Class 55 Rating, Add	766.20	
For Class 56 Rating, Add	1,018.96	
40 05 19 00-3389 EA 20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,007.22	838.50
For Class 52 Rating, Deduct	-411.04	
For Class 54 Rating, Add	575.76	
For Class 55 Rating, Add	863.79	
For Class 56 Rating, Add	1,148.08	
40 05 19 00-3390 EA 20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,449.38	841.87
For Class 52 Rating, Deduct	-459.12	
For Class 54 Rating, Add	641.38	
For Class 55 Rating, Add	961.38	
For Class 56 Rating, Add	1,277.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3391	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,891.54	845.24
			<i>For Class 52 Rating, Deduct</i>	-507.20	
			<i>For Class 54 Rating, Add</i>	707.00	
			<i>For Class 55 Rating, Add</i>	1,058.96	
			<i>For Class 56 Rating, Add</i>	1,406.31	
40 05 19 00-3392	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,333.71	848.60
			<i>For Class 52 Rating, Deduct</i>	-555.27	
			<i>For Class 54 Rating, Add</i>	772.62	
			<i>For Class 55 Rating, Add</i>	1,156.55	
			<i>For Class 56 Rating, Add</i>	1,535.43	
40 05 19 00-3393	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,775.87	851.97
			<i>For Class 52 Rating, Deduct</i>	-603.35	
			<i>For Class 54 Rating, Add</i>	838.24	
			<i>For Class 55 Rating, Add</i>	1,254.14	
			<i>For Class 56 Rating, Add</i>	1,664.55	
40 05 19 00-3394	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,218.05	855.35
			<i>For Class 52 Rating, Deduct</i>	-651.43	
			<i>For Class 54 Rating, Add</i>	903.86	
			<i>For Class 55 Rating, Add</i>	1,351.73	
			<i>For Class 56 Rating, Add</i>	1,793.67	
40 05 19 00-3395	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,660.21	858.71
			<i>For Class 52 Rating, Deduct</i>	-699.50	
			<i>For Class 54 Rating, Add</i>	969.48	
			<i>For Class 55 Rating, Add</i>	1,449.31	
			<i>For Class 56 Rating, Add</i>	1,922.78	
40 05 19 00-3396	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,102.37	862.07
			<i>For Class 52 Rating, Deduct</i>	-747.58	
			<i>For Class 54 Rating, Add</i>	1,035.10	
			<i>For Class 55 Rating, Add</i>	1,546.90	
			<i>For Class 56 Rating, Add</i>	2,051.90	
40 05 19 00-3397	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,544.53	865.44
			<i>For Class 52 Rating, Deduct</i>	-795.66	
			<i>For Class 54 Rating, Add</i>	1,100.72	
			<i>For Class 55 Rating, Add</i>	1,644.49	
			<i>For Class 56 Rating, Add</i>	2,181.01	
40 05 19 00-3398	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,986.70	868.82
			<i>For Class 52 Rating, Deduct</i>	-843.74	
			<i>For Class 54 Rating, Add</i>	1,166.34	
			<i>For Class 55 Rating, Add</i>	1,742.07	
			<i>For Class 56 Rating, Add</i>	2,310.13	
40 05 19 00-3399	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,428.87	872.17
			<i>For Class 52 Rating, Deduct</i>	-891.81	
			<i>For Class 54 Rating, Add</i>	1,231.96	
			<i>For Class 55 Rating, Add</i>	1,839.66	
			<i>For Class 56 Rating, Add</i>	2,439.25	
40 05 19 00-3400	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,871.03	875.54
			<i>For Class 52 Rating, Deduct</i>	-939.89	
			<i>For Class 54 Rating, Add</i>	1,297.59	
			<i>For Class 55 Rating, Add</i>	1,937.25	
			<i>For Class 56 Rating, Add</i>	2,568.37	
40 05 19 00-3401	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,313.19	878.91
			<i>For Class 52 Rating, Deduct</i>	-987.97	
			<i>For Class 54 Rating, Add</i>	1,363.21	
			<i>For Class 55 Rating, Add</i>	2,034.84	
			<i>For Class 56 Rating, Add</i>	2,697.48	
40 05 19 00-3402	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,755.36	882.29
			<i>For Class 52 Rating, Deduct</i>	-1,036.04	
			<i>For Class 54 Rating, Add</i>	1,428.83	
			<i>For Class 55 Rating, Add</i>	2,132.42	
			<i>For Class 56 Rating, Add</i>	2,826.60	
40 05 19 00-3403	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,197.53	885.64
			<i>For Class 52 Rating, Deduct</i>	-1,084.12	
			<i>For Class 54 Rating, Add</i>	1,494.45	
			<i>For Class 55 Rating, Add</i>	2,230.01	
			<i>For Class 56 Rating, Add</i>	2,955.72	
40 05 19 00-3404	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,639.69	889.02
			<i>For Class 52 Rating, Deduct</i>	-1,132.20	
			<i>For Class 54 Rating, Add</i>	1,560.07	
			<i>For Class 55 Rating, Add</i>	2,327.60	
			<i>For Class 56 Rating, Add</i>	3,084.84	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3405	EA			20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,081.85	892.39
				For Class 52 Rating, Deduct	-1,180.27	
				For Class 54 Rating, Add	1,625.69	
				For Class 55 Rating, Add	2,425.18	
				For Class 56 Rating, Add	3,213.95	
40 05 19 00-3406	EA			20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,524.01	895.76
				For Class 52 Rating, Deduct	-1,228.35	
				For Class 54 Rating, Add	1,691.31	
				For Class 55 Rating, Add	2,522.77	
				For Class 56 Rating, Add	3,343.07	
40 05 19 00-3407	EA			20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,966.18	899.12
				For Class 52 Rating, Deduct	-1,276.43	
				For Class 54 Rating, Add	1,756.93	
				For Class 55 Rating, Add	2,620.36	
				For Class 56 Rating, Add	3,472.19	
40 05 19 00-3408	EA			20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	13,408.35	902.49
				For Class 52 Rating, Deduct	-1,324.50	
				For Class 54 Rating, Add	1,822.55	
				For Class 55 Rating, Add	2,717.95	
				For Class 56 Rating, Add	3,601.30	
40 05 19 00-3409	EA			20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	13,850.51	905.86
				For Class 52 Rating, Deduct	-1,372.58	
				For Class 54 Rating, Add	1,888.17	
				For Class 55 Rating, Add	2,815.53	
				For Class 56 Rating, Add	3,730.42	
40 05 19 00-3410	EA			20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	14,292.67	909.21
				For Class 52 Rating, Deduct	-1,420.66	
				For Class 54 Rating, Add	1,953.79	
				For Class 55 Rating, Add	2,913.12	
				For Class 56 Rating, Add	3,859.54	
40 05 19 00-3411	EA			20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	14,734.84	912.59
				For Class 52 Rating, Deduct	-1,468.73	
				For Class 54 Rating, Add	2,019.41	
				For Class 55 Rating, Add	3,010.71	
				For Class 56 Rating, Add	3,988.66	
40 05 19 00-3412	EA			20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	15,177.00	915.96
				For Class 52 Rating, Deduct	-1,516.81	
				For Class 54 Rating, Add	2,085.03	
				For Class 55 Rating, Add	3,108.30	
				For Class 56 Rating, Add	4,117.77	
40 05 19 00-3413	EA			20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	15,619.17	919.33
				For Class 52 Rating, Deduct	-1,564.89	
				For Class 54 Rating, Add	2,150.65	
				For Class 55 Rating, Add	3,205.88	
				For Class 56 Rating, Add	4,246.89	
40 05 19 00-3414	EA			20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	16,061.33	922.69
				For Class 52 Rating, Deduct	-1,612.96	
				For Class 54 Rating, Add	2,216.27	
				For Class 55 Rating, Add	3,303.47	
				For Class 56 Rating, Add	4,376.01	
40 05 19 00-3415	EA			20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	16,503.50	926.06
				For Class 52 Rating, Deduct	-1,661.04	
				For Class 54 Rating, Add	2,281.89	
				For Class 55 Rating, Add	3,401.06	
				For Class 56 Rating, Add	4,505.12	
40 05 19 00-3416	EA			20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	16,945.66	929.43
				For Class 52 Rating, Deduct	-1,709.12	
				For Class 54 Rating, Add	2,347.51	
				For Class 55 Rating, Add	3,498.65	
				For Class 56 Rating, Add	4,634.24	
40 05 19 00-3417	EA			20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	17,387.83	932.79
				For Class 52 Rating, Deduct	-1,757.20	
				For Class 54 Rating, Add	2,413.13	
				For Class 55 Rating, Add	3,596.23	
				For Class 56 Rating, Add	4,763.36	
40 05 19 00-3418	EA			20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	17,829.99	936.16
				For Class 52 Rating, Deduct	-1,805.27	
				For Class 54 Rating, Add	2,478.76	
				For Class 55 Rating, Add	3,693.82	
				For Class 56 Rating, Add	4,892.47	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,272.15	939.53
		<i>For Class 52 Rating, Deduct</i>	-1,853.35	
		<i>For Class 54 Rating, Add</i>	2,544.38	
		<i>For Class 55 Rating, Add</i>	3,791.41	
		<i>For Class 56 Rating, Add</i>	5,021.59	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,714.32	942.91
		<i>For Class 52 Rating, Deduct</i>	-1,901.43	
		<i>For Class 54 Rating, Add</i>	2,610.00	
		<i>For Class 55 Rating, Add</i>	3,889.00	
		<i>For Class 56 Rating, Add</i>	5,150.71	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,156.48	946.26
		<i>For Class 52 Rating, Deduct</i>	-1,949.50	
		<i>For Class 54 Rating, Add</i>	2,675.62	
		<i>For Class 55 Rating, Add</i>	3,986.58	
		<i>For Class 56 Rating, Add</i>	5,279.83	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,598.65	949.63
		<i>For Class 52 Rating, Deduct</i>	-1,997.58	
		<i>For Class 54 Rating, Add</i>	2,741.24	
		<i>For Class 55 Rating, Add</i>	4,084.17	
		<i>For Class 56 Rating, Add</i>	5,408.94	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,040.81	953.00
		<i>For Class 52 Rating, Deduct</i>	-2,045.66	
		<i>For Class 54 Rating, Add</i>	2,806.86	
		<i>For Class 55 Rating, Add</i>	4,181.76	
		<i>For Class 56 Rating, Add</i>	5,538.06	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,482.98	956.35
		<i>For Class 52 Rating, Deduct</i>	-2,093.73	
		<i>For Class 54 Rating, Add</i>	2,872.48	
		<i>For Class 55 Rating, Add</i>	4,279.35	
		<i>For Class 56 Rating, Add</i>	5,667.18	
40 05 19 00-3425		24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3426	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,063.04	983.31
		<i>For Class 52 Rating, Deduct</i>	-393.05	
		<i>For Class 54 Rating, Add</i>	553.86	
		<i>For Class 55 Rating, Add</i>	832.58	
		<i>For Class 56 Rating, Add</i>	1,107.72	
40 05 19 00-3427	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,609.99	986.67
		<i>For Class 52 Rating, Deduct</i>	-452.65	
		<i>For Class 54 Rating, Add</i>	635.19	
		<i>For Class 55 Rating, Add</i>	953.53	
		<i>For Class 56 Rating, Add</i>	1,267.75	
40 05 19 00-3428	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,156.95	990.05
		<i>For Class 52 Rating, Deduct</i>	-512.26	
		<i>For Class 54 Rating, Add</i>	716.53	
		<i>For Class 55 Rating, Add</i>	1,074.49	
		<i>For Class 56 Rating, Add</i>	1,427.78	
40 05 19 00-3429	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,703.90	993.40
		<i>For Class 52 Rating, Deduct</i>	-571.86	
		<i>For Class 54 Rating, Add</i>	797.87	
		<i>For Class 55 Rating, Add</i>	1,195.44	
		<i>For Class 56 Rating, Add</i>	1,587.81	
40 05 19 00-3430	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,250.87	996.78
		<i>For Class 52 Rating, Deduct</i>	-631.47	
		<i>For Class 54 Rating, Add</i>	879.21	
		<i>For Class 55 Rating, Add</i>	1,316.40	
		<i>For Class 56 Rating, Add</i>	1,747.85	
40 05 19 00-3431	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,797.82	1,000.14
		<i>For Class 52 Rating, Deduct</i>	-691.07	
		<i>For Class 54 Rating, Add</i>	960.55	
		<i>For Class 55 Rating, Add</i>	1,437.36	
		<i>For Class 56 Rating, Add</i>	1,907.88	
40 05 19 00-3432	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,344.78	1,003.52
		<i>For Class 52 Rating, Deduct</i>	-750.67	
		<i>For Class 54 Rating, Add</i>	1,041.89	
		<i>For Class 55 Rating, Add</i>	1,558.31	
		<i>For Class 56 Rating, Add</i>	2,067.91	



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-3433	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,891.73		1,006.87
		<i>For Class 52 Rating, Deduct</i>	-810.28		
		<i>For Class 54 Rating, Add</i>	1,123.23		
		<i>For Class 55 Rating, Add</i>	1,679.27		
		<i>For Class 56 Rating, Add</i>	2,227.94		
40 05 19 00-3434	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,438.70		1,010.25
		<i>For Class 52 Rating, Deduct</i>	-869.88		
		<i>For Class 54 Rating, Add</i>	1,204.57		
		<i>For Class 55 Rating, Add</i>	1,800.22		
		<i>For Class 56 Rating, Add</i>	2,387.97		
40 05 19 00-3435	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,985.65		1,013.62
		<i>For Class 52 Rating, Deduct</i>	-929.49		
		<i>For Class 54 Rating, Add</i>	1,285.91		
		<i>For Class 55 Rating, Add</i>	1,921.18		
		<i>For Class 56 Rating, Add</i>	2,548.00		
40 05 19 00-3436	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,532.61		1,016.98
		<i>For Class 52 Rating, Deduct</i>	-989.09		
		<i>For Class 54 Rating, Add</i>	1,367.25		
		<i>For Class 55 Rating, Add</i>	2,042.14		
		<i>For Class 56 Rating, Add</i>	2,708.03		
40 05 19 00-3437	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,079.56		1,020.34
		<i>For Class 52 Rating, Deduct</i>	-1,048.69		
		<i>For Class 54 Rating, Add</i>	1,448.59		
		<i>For Class 55 Rating, Add</i>	2,163.09		
		<i>For Class 56 Rating, Add</i>	2,868.06		
40 05 19 00-3438	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,626.52		1,023.72
		<i>For Class 52 Rating, Deduct</i>	-1,108.30		
		<i>For Class 54 Rating, Add</i>	1,529.93		
		<i>For Class 55 Rating, Add</i>	2,284.05		
		<i>For Class 56 Rating, Add</i>	3,028.09		
40 05 19 00-3439	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,173.48		1,027.09
		<i>For Class 52 Rating, Deduct</i>	-1,167.90		
		<i>For Class 54 Rating, Add</i>	1,611.27		
		<i>For Class 55 Rating, Add</i>	2,405.00		
		<i>For Class 56 Rating, Add</i>	3,188.12		
40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,720.44		1,030.45
		<i>For Class 52 Rating, Deduct</i>	-1,227.51		
		<i>For Class 54 Rating, Add</i>	1,692.61		
		<i>For Class 55 Rating, Add</i>	2,525.96		
		<i>For Class 56 Rating, Add</i>	3,348.16		
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,267.39		1,033.82
		<i>For Class 52 Rating, Deduct</i>	-1,287.11		
		<i>For Class 54 Rating, Add</i>	1,773.95		
		<i>For Class 55 Rating, Add</i>	2,646.92		
		<i>For Class 56 Rating, Add</i>	3,508.19		
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,814.35		1,037.19
		<i>For Class 52 Rating, Deduct</i>	-1,346.71		
		<i>For Class 54 Rating, Add</i>	1,855.29		
		<i>For Class 55 Rating, Add</i>	2,767.87		
		<i>For Class 56 Rating, Add</i>	3,668.22		
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,361.30		1,040.55
		<i>For Class 52 Rating, Deduct</i>	-1,406.32		
		<i>For Class 54 Rating, Add</i>	1,936.63		
		<i>For Class 55 Rating, Add</i>	2,888.83		
		<i>For Class 56 Rating, Add</i>	3,828.25		
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,908.27		1,043.92
		<i>For Class 52 Rating, Deduct</i>	-1,465.92		
		<i>For Class 54 Rating, Add</i>	2,017.97		
		<i>For Class 55 Rating, Add</i>	3,009.79		
		<i>For Class 56 Rating, Add</i>	3,988.28		
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,455.22		1,047.29
		<i>For Class 52 Rating, Deduct</i>	-1,525.53		
		<i>For Class 54 Rating, Add</i>	2,099.30		
		<i>For Class 55 Rating, Add</i>	3,130.74		
		<i>For Class 56 Rating, Add</i>	4,148.31		
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,002.18		1,050.66
		<i>For Class 52 Rating, Deduct</i>	-1,585.13		
		<i>For Class 54 Rating, Add</i>	2,180.64		
		<i>For Class 55 Rating, Add</i>	3,251.70		
		<i>For Class 56 Rating, Add</i>	4,308.34		

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3447	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,549.13	1,054.02
			<i>For Class 52 Rating, Deduct</i>	-1,644.73	
			<i>For Class 54 Rating, Add</i>	2,261.98	
			<i>For Class 55 Rating, Add</i>	3,372.65	
			<i>For Class 56 Rating, Add</i>	4,468.37	
40 05 19 00-3448	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,096.10	1,057.39
			<i>For Class 52 Rating, Deduct</i>	-1,704.34	
			<i>For Class 54 Rating, Add</i>	2,343.32	
			<i>For Class 55 Rating, Add</i>	3,493.61	
			<i>For Class 56 Rating, Add</i>	4,628.40	
40 05 19 00-3449	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,643.05	1,060.76
			<i>For Class 52 Rating, Deduct</i>	-1,763.94	
			<i>For Class 54 Rating, Add</i>	2,424.66	
			<i>For Class 55 Rating, Add</i>	3,614.57	
			<i>For Class 56 Rating, Add</i>	4,788.43	
40 05 19 00-3450	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,190.01	1,064.14
			<i>For Class 52 Rating, Deduct</i>	-1,823.55	
			<i>For Class 54 Rating, Add</i>	2,506.00	
			<i>For Class 55 Rating, Add</i>	3,735.52	
			<i>For Class 56 Rating, Add</i>	4,948.46	
40 05 19 00-3451	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,736.96	1,067.49
			<i>For Class 52 Rating, Deduct</i>	-1,883.15	
			<i>For Class 54 Rating, Add</i>	2,587.34	
			<i>For Class 55 Rating, Add</i>	3,856.48	
			<i>For Class 56 Rating, Add</i>	5,108.49	
40 05 19 00-3452	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,283.92	1,070.86
			<i>For Class 52 Rating, Deduct</i>	-1,942.76	
			<i>For Class 54 Rating, Add</i>	2,668.68	
			<i>For Class 55 Rating, Add</i>	3,977.43	
			<i>For Class 56 Rating, Add</i>	5,268.53	
40 05 19 00-3453	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,830.88	1,074.23
			<i>For Class 52 Rating, Deduct</i>	-2,002.36	
			<i>For Class 54 Rating, Add</i>	2,750.02	
			<i>For Class 55 Rating, Add</i>	4,098.39	
			<i>For Class 56 Rating, Add</i>	5,428.56	
40 05 19 00-3454	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,377.84	1,077.59
			<i>For Class 52 Rating, Deduct</i>	-2,061.96	
			<i>For Class 54 Rating, Add</i>	2,831.36	
			<i>For Class 55 Rating, Add</i>	4,219.35	
			<i>For Class 56 Rating, Add</i>	5,588.59	
40 05 19 00-3455	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,011.53	1,138.21
			<i>For Class 52 Rating, Deduct</i>	-2,121.57	
			<i>For Class 54 Rating, Add</i>	2,913.74	
			<i>For Class 55 Rating, Add</i>	4,342.38	
			<i>For Class 56 Rating, Add</i>	5,751.74	
40 05 19 00-3456	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,558.49	1,141.57
			<i>For Class 52 Rating, Deduct</i>	-2,181.17	
			<i>For Class 54 Rating, Add</i>	2,995.08	
			<i>For Class 55 Rating, Add</i>	4,463.34	
			<i>For Class 56 Rating, Add</i>	5,911.77	
40 05 19 00-3457	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,105.44	1,144.95
			<i>For Class 52 Rating, Deduct</i>	-2,240.77	
			<i>For Class 54 Rating, Add</i>	3,076.42	
			<i>For Class 55 Rating, Add</i>	4,584.30	
			<i>For Class 56 Rating, Add</i>	6,071.80	
40 05 19 00-3458	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,652.40	1,148.32
			<i>For Class 52 Rating, Deduct</i>	-2,300.38	
			<i>For Class 54 Rating, Add</i>	3,157.76	
			<i>For Class 55 Rating, Add</i>	4,705.25	
			<i>For Class 56 Rating, Add</i>	6,231.83	
40 05 19 00-3459	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,199.36	1,151.68
			<i>For Class 52 Rating, Deduct</i>	-2,359.98	
			<i>For Class 54 Rating, Add</i>	3,239.10	
			<i>For Class 55 Rating, Add</i>	4,826.21	
			<i>For Class 56 Rating, Add</i>	6,391.86	
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,302.24	1,155.05
			<i>For Class 52 Rating, Deduct</i>	-2,700.74	
			<i>For Class 54 Rating, Add</i>	3,703.83	
			<i>For Class 55 Rating, Add</i>	5,517.14	
			<i>For Class 56 Rating, Add</i>	7,305.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3461 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,293.27	1,158.42
For Class 52 Rating, Deduct	-2,479.19	
For Class 54 Rating, Add	3,401.78	
For Class 55 Rating, Add	5,068.12	
For Class 56 Rating, Add	6,711.93	
40 05 19 00-3462 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,840.23	1,161.78
For Class 52 Rating, Deduct	-2,538.80	
For Class 54 Rating, Add	3,483.12	
For Class 55 Rating, Add	5,189.08	
For Class 56 Rating, Add	6,871.96	
40 05 19 00-3463 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,387.18	1,165.15
For Class 52 Rating, Deduct	-2,598.40	
For Class 54 Rating, Add	3,564.46	
For Class 55 Rating, Add	5,310.03	
For Class 56 Rating, Add	7,031.99	
40 05 19 00-3464 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)		
40 05 19 00-3465 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,476.59	1,387.41
For Class 52 Rating, Deduct	-701.19	
For Class 54 Rating, Add	981.39	
For Class 55 Rating, Add	1,471.96	
For Class 56 Rating, Add	1,956.14	
40 05 19 00-3466 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,258.69	1,390.76
For Class 52 Rating, Deduct	-786.66	
For Class 54 Rating, Add	1,098.01	
For Class 55 Rating, Add	1,645.35	
For Class 56 Rating, Add	2,185.54	
40 05 19 00-3467 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,040.79	1,394.14
For Class 52 Rating, Deduct	-872.13	
For Class 54 Rating, Add	1,214.62	
For Class 55 Rating, Add	1,818.74	
For Class 56 Rating, Add	2,414.94	
40 05 19 00-3468 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,822.89	1,397.51
For Class 52 Rating, Deduct	-957.60	
For Class 54 Rating, Add	1,331.23	
For Class 55 Rating, Add	1,992.14	
For Class 56 Rating, Add	2,644.34	
40 05 19 00-3469 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,604.99	1,400.88
For Class 52 Rating, Deduct	-1,043.07	
For Class 54 Rating, Add	1,447.84	
For Class 55 Rating, Add	2,165.53	
For Class 56 Rating, Add	2,873.74	
40 05 19 00-3470 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,387.10	1,404.23
For Class 52 Rating, Deduct	-1,128.54	
For Class 54 Rating, Add	1,564.45	
For Class 55 Rating, Add	2,338.92	
For Class 56 Rating, Add	3,103.14	
40 05 19 00-3471 EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,169.20	1,407.61
For Class 52 Rating, Deduct	-1,214.01	
For Class 54 Rating, Add	1,681.06	
For Class 55 Rating, Add	2,512.32	
For Class 56 Rating, Add	3,332.53	
40 05 19 00-3472 EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,951.30	1,410.98
For Class 52 Rating, Deduct	-1,299.48	
For Class 54 Rating, Add	1,797.67	
For Class 55 Rating, Add	2,685.71	
For Class 56 Rating, Add	3,561.93	
40 05 19 00-3473 EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,733.40	1,414.34
For Class 52 Rating, Deduct	-1,384.95	
For Class 54 Rating, Add	1,914.28	
For Class 55 Rating, Add	2,859.10	
For Class 56 Rating, Add	3,791.33	
40 05 19 00-3474 EA 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,515.51	1,417.71
For Class 52 Rating, Deduct	-1,470.42	
For Class 54 Rating, Add	2,030.90	
For Class 55 Rating, Add	3,032.50	
For Class 56 Rating, Add	4,020.73	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3475	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,297.61	1,421.08
		<i>For Class 52 Rating, Deduct</i>	-1,555.89	
		<i>For Class 54 Rating, Add</i>	2,147.51	
		<i>For Class 55 Rating, Add</i>	3,205.89	
		<i>For Class 56 Rating, Add</i>	4,250.13	
40 05 19 00-3476	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,079.71	1,424.45
		<i>For Class 52 Rating, Deduct</i>	-1,641.36	
		<i>For Class 54 Rating, Add</i>	2,264.12	
		<i>For Class 55 Rating, Add</i>	3,379.28	
		<i>For Class 56 Rating, Add</i>	4,479.53	
40 05 19 00-3477	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,861.81	1,427.81
		<i>For Class 52 Rating, Deduct</i>	-1,726.83	
		<i>For Class 54 Rating, Add</i>	2,380.73	
		<i>For Class 55 Rating, Add</i>	3,552.68	
		<i>For Class 56 Rating, Add</i>	4,708.93	
40 05 19 00-3478	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,643.91	1,431.18
		<i>For Class 52 Rating, Deduct</i>	-1,812.30	
		<i>For Class 54 Rating, Add</i>	2,497.34	
		<i>For Class 55 Rating, Add</i>	3,726.07	
		<i>For Class 56 Rating, Add</i>	4,938.32	
40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,426.02	1,434.55
		<i>For Class 52 Rating, Deduct</i>	-1,897.77	
		<i>For Class 54 Rating, Add</i>	2,613.95	
		<i>For Class 55 Rating, Add</i>	3,899.46	
		<i>For Class 56 Rating, Add</i>	5,167.72	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,208.12	1,437.91
		<i>For Class 52 Rating, Deduct</i>	-1,983.24	
		<i>For Class 54 Rating, Add</i>	2,730.56	
		<i>For Class 55 Rating, Add</i>	4,072.86	
		<i>For Class 56 Rating, Add</i>	5,397.12	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,990.22	1,441.28
		<i>For Class 52 Rating, Deduct</i>	-2,068.71	
		<i>For Class 54 Rating, Add</i>	2,847.17	
		<i>For Class 55 Rating, Add</i>	4,246.25	
		<i>For Class 56 Rating, Add</i>	5,626.52	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,772.32	1,444.65
		<i>For Class 52 Rating, Deduct</i>	-2,154.18	
		<i>For Class 54 Rating, Add</i>	2,963.79	
		<i>For Class 55 Rating, Add</i>	4,419.64	
		<i>For Class 56 Rating, Add</i>	5,855.92	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,554.42	1,448.03
		<i>For Class 52 Rating, Deduct</i>	-2,239.65	
		<i>For Class 54 Rating, Add</i>	3,080.40	
		<i>For Class 55 Rating, Add</i>	4,593.04	
		<i>For Class 56 Rating, Add</i>	6,085.32	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,336.53	1,451.38
		<i>For Class 52 Rating, Deduct</i>	-2,325.12	
		<i>For Class 54 Rating, Add</i>	3,197.01	
		<i>For Class 55 Rating, Add</i>	4,766.43	
		<i>For Class 56 Rating, Add</i>	6,314.72	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,118.63	1,454.75
		<i>For Class 52 Rating, Deduct</i>	-2,410.59	
		<i>For Class 54 Rating, Add</i>	3,313.62	
		<i>For Class 55 Rating, Add</i>	4,939.82	
		<i>For Class 56 Rating, Add</i>	6,544.12	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,900.73	1,458.12
		<i>For Class 52 Rating, Deduct</i>	-2,496.06	
		<i>For Class 54 Rating, Add</i>	3,430.23	
		<i>For Class 55 Rating, Add</i>	5,113.22	
		<i>For Class 56 Rating, Add</i>	6,773.51	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,682.83	1,461.48
		<i>For Class 52 Rating, Deduct</i>	-2,581.53	
		<i>For Class 54 Rating, Add</i>	3,546.84	
		<i>For Class 55 Rating, Add</i>	5,286.61	
		<i>For Class 56 Rating, Add</i>	7,002.91	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,464.94	1,464.85
		<i>For Class 52 Rating, Deduct</i>	-2,667.00	
		<i>For Class 54 Rating, Add</i>	3,663.45	
		<i>For Class 55 Rating, Add</i>	5,460.01	
		<i>For Class 56 Rating, Add</i>	7,232.31	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3489 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	27,247.04	1,468.23
For Class 52 Rating, Deduct	-2,752.47	
For Class 54 Rating, Add	3,780.06	
For Class 55 Rating, Add	5,633.40	
For Class 56 Rating, Add	7,461.71	
40 05 19 00-3490 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	28,029.14	1,471.59
For Class 52 Rating, Deduct	-2,837.94	
For Class 54 Rating, Add	3,896.68	
For Class 55 Rating, Add	5,806.79	
For Class 56 Rating, Add	7,691.11	
40 05 19 00-3491 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	28,811.24	1,474.96
For Class 52 Rating, Deduct	-2,923.41	
For Class 54 Rating, Add	4,013.29	
For Class 55 Rating, Add	5,980.19	
For Class 56 Rating, Add	7,920.51	
40 05 19 00-3492 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	29,593.34	1,478.32
For Class 52 Rating, Deduct	-3,008.88	
For Class 54 Rating, Add	4,129.90	
For Class 55 Rating, Add	6,153.58	
For Class 56 Rating, Add	8,149.91	
40 05 19 00-3493 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	30,375.45	1,481.70
For Class 52 Rating, Deduct	-3,094.35	
For Class 54 Rating, Add	4,246.51	
For Class 55 Rating, Add	6,326.97	
For Class 56 Rating, Add	8,379.31	
40 05 19 00-3494 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	31,157.55	1,485.06
For Class 52 Rating, Deduct	-3,179.82	
For Class 54 Rating, Add	4,363.12	
For Class 55 Rating, Add	6,500.37	
For Class 56 Rating, Add	8,608.70	
40 05 19 00-3495 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	31,939.64	1,488.43
For Class 52 Rating, Deduct	-3,265.29	
For Class 54 Rating, Add	4,479.73	
For Class 55 Rating, Add	6,673.76	
For Class 56 Rating, Add	8,838.10	
40 05 19 00-3496 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	32,721.74	1,491.79
For Class 52 Rating, Deduct	-3,350.76	
For Class 54 Rating, Add	4,596.34	
For Class 55 Rating, Add	6,847.15	
For Class 56 Rating, Add	9,067.50	
40 05 19 00-3497 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	33,503.85	1,495.17
For Class 52 Rating, Deduct	-3,436.23	
For Class 54 Rating, Add	4,712.95	
For Class 55 Rating, Add	7,020.54	
For Class 56 Rating, Add	9,296.90	
40 05 19 00-3498 EA 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	34,285.95	1,498.52
For Class 52 Rating, Deduct	-3,521.70	
For Class 54 Rating, Add	4,829.56	
For Class 55 Rating, Add	7,193.94	
For Class 56 Rating, Add	9,526.30	
40 05 19 00-3499 EA 30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	35,068.05	1,501.90
For Class 52 Rating, Deduct	-3,607.17	
For Class 54 Rating, Add	4,946.17	
For Class 55 Rating, Add	7,367.33	
For Class 56 Rating, Add	9,755.69	
40 05 19 00-3500 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3501 EA 36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	10,602.06	1,757.83
For Class 52 Rating, Deduct	-873.26	
For Class 54 Rating, Add	1,222.76	
For Class 55 Rating, Add	1,834.25	
For Class 56 Rating, Add	2,437.79	
40 05 19 00-3502 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	11,649.97	1,761.21
For Class 52 Rating, Deduct	-987.97	
For Class 54 Rating, Add	1,379.25	
For Class 55 Rating, Add	2,066.92	
For Class 56 Rating, Add	2,745.61	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3503	EA	36" Flanged x Plain End (F _x PE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,697.90		1,764.56
		<i>For Class 52 Rating, Deduct</i>	-1,102.68		
		<i>For Class 54 Rating, Add</i>	1,535.73		
		<i>For Class 55 Rating, Add</i>	2,299.59		
		<i>For Class 56 Rating, Add</i>	3,053.42		
40 05 19 00-3504	EA	36" Flanged x Plain End (F _x PE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,745.81		1,767.93
		<i>For Class 52 Rating, Deduct</i>	-1,217.38		
		<i>For Class 54 Rating, Add</i>	1,692.21		
		<i>For Class 55 Rating, Add</i>	2,532.26		
		<i>For Class 56 Rating, Add</i>	3,361.24		
40 05 19 00-3505	EA	36" Flanged x Plain End (F _x PE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,793.73		1,771.30
		<i>For Class 52 Rating, Deduct</i>	-1,332.09		
		<i>For Class 54 Rating, Add</i>	1,848.70		
		<i>For Class 55 Rating, Add</i>	2,764.93		
		<i>For Class 56 Rating, Add</i>	3,669.05		
40 05 19 00-3506	EA	36" Flanged x Plain End (F _x PE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,841.64		1,774.65
		<i>For Class 52 Rating, Deduct</i>	-1,446.80		
		<i>For Class 54 Rating, Add</i>	2,005.18		
		<i>For Class 55 Rating, Add</i>	2,997.60		
		<i>For Class 56 Rating, Add</i>	3,976.86		
40 05 19 00-3507	EA	36" Flanged x Plain End (F _x PE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,889.57		1,778.03
		<i>For Class 52 Rating, Deduct</i>	-1,561.51		
		<i>For Class 54 Rating, Add</i>	2,161.66		
		<i>For Class 55 Rating, Add</i>	3,230.27		
		<i>For Class 56 Rating, Add</i>	4,284.68		
40 05 19 00-3508	EA	36" Flanged x Plain End (F _x PE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,937.49		1,781.41
		<i>For Class 52 Rating, Deduct</i>	-1,676.22		
		<i>For Class 54 Rating, Add</i>	2,318.15		
		<i>For Class 55 Rating, Add</i>	3,462.94		
		<i>For Class 56 Rating, Add</i>	4,592.50		
40 05 19 00-3509	EA	36" Flanged x Plain End (F _x PE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,985.40		1,784.77
		<i>For Class 52 Rating, Deduct</i>	-1,790.93		
		<i>For Class 54 Rating, Add</i>	2,474.63		
		<i>For Class 55 Rating, Add</i>	3,695.61		
		<i>For Class 56 Rating, Add</i>	4,900.31		
40 05 19 00-3510	EA	36" Flanged x Plain End (F _x PE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,033.32		1,788.12
		<i>For Class 52 Rating, Deduct</i>	-1,905.64		
		<i>For Class 54 Rating, Add</i>	2,631.12		
		<i>For Class 55 Rating, Add</i>	3,928.28		
		<i>For Class 56 Rating, Add</i>	5,208.12		
40 05 19 00-3511	EA	36" Flanged x Plain End (F _x PE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,081.23		1,791.50
		<i>For Class 52 Rating, Deduct</i>	-2,020.35		
		<i>For Class 54 Rating, Add</i>	2,787.60		
		<i>For Class 55 Rating, Add</i>	4,160.95		
		<i>For Class 56 Rating, Add</i>	5,515.94		
40 05 19 00-3512	EA	36" Flanged x Plain End (F _x PE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,129.16		1,794.88
		<i>For Class 52 Rating, Deduct</i>	-2,135.06		
		<i>For Class 54 Rating, Add</i>	2,944.08		
		<i>For Class 55 Rating, Add</i>	4,393.62		
		<i>For Class 56 Rating, Add</i>	5,823.75		
40 05 19 00-3513	EA	36" Flanged x Plain End (F _x PE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,177.07		1,798.23
		<i>For Class 52 Rating, Deduct</i>	-2,249.77		
		<i>For Class 54 Rating, Add</i>	3,100.57		
		<i>For Class 55 Rating, Add</i>	4,626.29		
		<i>For Class 56 Rating, Add</i>	6,131.56		
40 05 19 00-3514	EA	36" Flanged x Plain End (F _x PE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,224.99		1,801.61
		<i>For Class 52 Rating, Deduct</i>	-2,364.48		
		<i>For Class 54 Rating, Add</i>	3,257.05		
		<i>For Class 55 Rating, Add</i>	4,858.96		
		<i>For Class 56 Rating, Add</i>	6,439.38		
40 05 19 00-3515	EA	36" Flanged x Plain End (F _x PE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,272.90		1,804.97
		<i>For Class 52 Rating, Deduct</i>	-2,479.19		
		<i>For Class 54 Rating, Add</i>	3,413.53		
		<i>For Class 55 Rating, Add</i>	5,091.63		
		<i>For Class 56 Rating, Add</i>	6,747.19		
40 05 19 00-3516	EA	36" Flanged x Plain End (F _x PE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,320.83		1,808.35
		<i>For Class 52 Rating, Deduct</i>	-2,593.90		
		<i>For Class 54 Rating, Add</i>	3,570.02		
		<i>For Class 55 Rating, Add</i>	5,324.30		
		<i>For Class 56 Rating, Add</i>	7,055.01		



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	27,368.74	1,811.70
		For Class 52 Rating, Deduct	-2,708.61	
		For Class 54 Rating, Add	3,726.50	
		For Class 55 Rating, Add	5,556.97	
		For Class 56 Rating, Add	7,362.82	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	28,416.66	1,815.08
		For Class 52 Rating, Deduct	-2,823.32	
		For Class 54 Rating, Add	3,882.98	
		For Class 55 Rating, Add	5,789.64	
		For Class 56 Rating, Add	7,670.64	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	29,464.57	1,818.44
		For Class 52 Rating, Deduct	-2,938.03	
		For Class 54 Rating, Add	4,039.47	
		For Class 55 Rating, Add	6,022.31	
		For Class 56 Rating, Add	7,978.45	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	30,512.49	1,821.82
		For Class 52 Rating, Deduct	-3,052.74	
		For Class 54 Rating, Add	4,195.95	
		For Class 55 Rating, Add	6,254.98	
		For Class 56 Rating, Add	8,286.26	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	31,560.41	1,825.17
		For Class 52 Rating, Deduct	-3,167.45	
		For Class 54 Rating, Add	4,352.43	
		For Class 55 Rating, Add	6,487.65	
		For Class 56 Rating, Add	8,594.08	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	32,608.33	1,828.55
		For Class 52 Rating, Deduct	-3,282.16	
		For Class 54 Rating, Add	4,508.92	
		For Class 55 Rating, Add	6,720.32	
		For Class 56 Rating, Add	8,901.89	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	33,656.25	1,831.92
		For Class 52 Rating, Deduct	-3,396.87	
		For Class 54 Rating, Add	4,665.40	
		For Class 55 Rating, Add	6,953.00	
		For Class 56 Rating, Add	9,209.71	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	34,704.16	1,835.28
		For Class 52 Rating, Deduct	-3,511.58	
		For Class 54 Rating, Add	4,821.88	
		For Class 55 Rating, Add	7,185.66	
		For Class 56 Rating, Add	9,517.52	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	35,752.08	1,838.64
		For Class 52 Rating, Deduct	-3,626.29	
		For Class 54 Rating, Add	4,978.37	
		For Class 55 Rating, Add	7,418.34	
		For Class 56 Rating, Add	9,825.34	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	36,800.00	1,842.02
		For Class 52 Rating, Deduct	-3,741.00	
		For Class 54 Rating, Add	5,134.85	
		For Class 55 Rating, Add	7,651.00	
		For Class 56 Rating, Add	10,133.15	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	37,847.92	1,845.39
		For Class 52 Rating, Deduct	-3,855.71	
		For Class 54 Rating, Add	5,291.34	
		For Class 55 Rating, Add	7,883.68	
		For Class 56 Rating, Add	10,440.96	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	38,895.83	1,848.75
		For Class 52 Rating, Deduct	-3,970.42	
		For Class 54 Rating, Add	5,447.82	
		For Class 55 Rating, Add	8,116.35	
		For Class 56 Rating, Add	10,748.78	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	39,943.75	1,852.12
		For Class 52 Rating, Deduct	-4,085.13	
		For Class 54 Rating, Add	5,604.30	
		For Class 55 Rating, Add	8,349.02	
		For Class 56 Rating, Add	11,056.59	
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	40,991.67	1,855.49
		For Class 52 Rating, Deduct	-4,199.84	
		For Class 54 Rating, Add	5,760.79	
		For Class 55 Rating, Add	8,581.69	
		For Class 56 Rating, Add	11,364.41	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	42,039.60	1,858.85
		<i>For Class 52 Rating, Deduct</i>	-4,314.55	
		<i>For Class 54 Rating, Add</i>	5,917.27	
		<i>For Class 55 Rating, Add</i>	8,814.36	
		<i>For Class 56 Rating, Add</i>	11,672.22	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,087.51	1,862.22
		<i>For Class 52 Rating, Deduct</i>	-4,429.26	
		<i>For Class 54 Rating, Add</i>	6,073.75	
		<i>For Class 55 Rating, Add</i>	9,047.03	
		<i>For Class 56 Rating, Add</i>	11,980.03	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,135.43	1,865.59
		<i>For Class 52 Rating, Deduct</i>	-4,543.97	
		<i>For Class 54 Rating, Add</i>	6,230.24	
		<i>For Class 55 Rating, Add</i>	9,279.70	
		<i>For Class 56 Rating, Add</i>	12,287.85	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,183.34	1,868.96
		<i>For Class 52 Rating, Deduct</i>	-4,658.67	
		<i>For Class 54 Rating, Add</i>	6,386.72	
		<i>For Class 55 Rating, Add</i>	9,512.37	
		<i>For Class 56 Rating, Add</i>	12,595.66	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,231.27	1,872.32
		<i>For Class 52 Rating, Deduct</i>	-4,773.39	
		<i>For Class 54 Rating, Add</i>	6,543.20	
		<i>For Class 55 Rating, Add</i>	9,745.04	
		<i>For Class 56 Rating, Add</i>	12,903.48	
40 05 19 00-3536 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>				
40 05 19 00-3537	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,000.14	2,215.81
		<i>For Class 52 Rating, Deduct</i>	-1,170.71	
		<i>For Class 54 Rating, Add</i>	1,636.71	
		<i>For Class 55 Rating, Add</i>	2,453.93	
		<i>For Class 56 Rating, Add</i>	3,260.50	
40 05 19 00-3538	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,543.90	2,219.17
		<i>For Class 52 Rating, Deduct</i>	-1,339.97	
		<i>For Class 54 Rating, Add</i>	1,867.58	
		<i>For Class 55 Rating, Add</i>	2,797.17	
		<i>For Class 56 Rating, Add</i>	3,714.59	
40 05 19 00-3539	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,074.89	2,222.53
		<i>For Class 52 Rating, Deduct</i>	-1,507.81	
		<i>For Class 54 Rating, Add</i>	2,096.52	
		<i>For Class 55 Rating, Add</i>	3,137.57	
		<i>For Class 56 Rating, Add</i>	4,164.91	
40 05 19 00-3540	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,621.21	2,225.91
		<i>For Class 52 Rating, Deduct</i>	-1,677.35	
		<i>For Class 54 Rating, Add</i>	2,327.76	
		<i>For Class 55 Rating, Add</i>	3,481.38	
		<i>For Class 56 Rating, Add</i>	4,619.76	
40 05 19 00-3541	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,157.30	2,229.28
		<i>For Class 52 Rating, Deduct</i>	-1,845.76	
		<i>For Class 54 Rating, Add</i>	2,557.47	
		<i>For Class 55 Rating, Add</i>	3,822.92	
		<i>For Class 56 Rating, Add</i>	5,071.58	
40 05 19 00-3542	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,708.75	2,232.64
		<i>For Class 52 Rating, Deduct</i>	-2,015.85	
		<i>For Class 54 Rating, Add</i>	2,789.49	
		<i>For Class 55 Rating, Add</i>	4,167.87	
		<i>For Class 56 Rating, Add</i>	5,527.94	
40 05 19 00-3543	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,244.84	2,236.01
		<i>For Class 52 Rating, Deduct</i>	-2,184.26	
		<i>For Class 54 Rating, Add</i>	3,019.20	
		<i>For Class 55 Rating, Add</i>	4,509.41	
		<i>For Class 56 Rating, Add</i>	5,979.76	
40 05 19 00-3544	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,798.83	2,239.38
		<i>For Class 52 Rating, Deduct</i>	-2,354.64	
		<i>For Class 54 Rating, Add</i>	3,251.59	
		<i>For Class 55 Rating, Add</i>	4,854.93	
		<i>For Class 56 Rating, Add</i>	6,436.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3545	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,337.48	2,242.75
			<i>For Class 52 Rating, Deduct</i>	-2,523.33	
			<i>For Class 54 Rating, Add</i>	3,481.68	
			<i>For Class 55 Rating, Add</i>	5,197.04	
			<i>For Class 56 Rating, Add</i>	6,889.45	
40 05 19 00-3546	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,894.03	2,246.11
			<i>For Class 52 Rating, Deduct</i>	-2,693.99	
			<i>For Class 54 Rating, Add</i>	3,714.46	
			<i>For Class 55 Rating, Add</i>	5,543.13	
			<i>For Class 56 Rating, Add</i>	7,347.31	
40 05 19 00-3547	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,432.69	2,249.48
			<i>For Class 52 Rating, Deduct</i>	-2,862.68	
			<i>For Class 54 Rating, Add</i>	3,944.56	
			<i>For Class 55 Rating, Add</i>	5,885.24	
			<i>For Class 56 Rating, Add</i>	7,799.89	
40 05 19 00-3548	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,989.23	2,252.85
			<i>For Class 52 Rating, Deduct</i>	-3,033.34	
			<i>For Class 54 Rating, Add</i>	4,177.33	
			<i>For Class 55 Rating, Add</i>	6,231.33	
			<i>For Class 56 Rating, Add</i>	8,257.75	
40 05 19 00-3549	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,530.44	2,256.21
			<i>For Class 52 Rating, Deduct</i>	-3,202.31	
			<i>For Class 54 Rating, Add</i>	4,407.81	
			<i>For Class 55 Rating, Add</i>	6,574.00	
			<i>For Class 56 Rating, Add</i>	8,711.09	
40 05 19 00-3550	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,074.20	2,259.58
			<i>For Class 52 Rating, Deduct</i>	-3,371.56	
			<i>For Class 54 Rating, Add</i>	4,638.67	
			<i>For Class 55 Rating, Add</i>	6,917.25	
			<i>For Class 56 Rating, Add</i>	9,165.17	
40 05 19 00-3551	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,628.20	2,262.95
			<i>For Class 52 Rating, Deduct</i>	-3,541.94	
			<i>For Class 54 Rating, Add</i>	4,871.07	
			<i>For Class 55 Rating, Add</i>	7,262.77	
			<i>For Class 56 Rating, Add</i>	9,622.28	
40 05 19 00-3552	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,169.41	2,266.33
			<i>For Class 52 Rating, Deduct</i>	-3,710.91	
			<i>For Class 54 Rating, Add</i>	5,101.54	
			<i>For Class 55 Rating, Add</i>	7,605.45	
			<i>For Class 56 Rating, Add</i>	10,075.62	
40 05 19 00-3553	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,728.51	2,269.68
			<i>For Class 52 Rating, Deduct</i>	-3,881.85	
			<i>For Class 54 Rating, Add</i>	5,334.71	
			<i>For Class 55 Rating, Add</i>	7,952.11	
			<i>For Class 56 Rating, Add</i>	10,534.23	
40 05 19 00-3554	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,272.27	2,273.05
			<i>For Class 52 Rating, Deduct</i>	-4,051.11	
			<i>For Class 54 Rating, Add</i>	5,565.57	
			<i>For Class 55 Rating, Add</i>	8,295.36	
			<i>For Class 56 Rating, Add</i>	10,988.32	
40 05 19 00-3555	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,828.81	2,276.42
			<i>For Class 52 Rating, Deduct</i>	-4,221.77	
			<i>For Class 54 Rating, Add</i>	5,798.34	
			<i>For Class 55 Rating, Add</i>	8,641.45	
			<i>For Class 56 Rating, Add</i>	11,446.18	
40 05 19 00-3556	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,372.59	2,279.78
			<i>For Class 52 Rating, Deduct</i>	-4,391.02	
			<i>For Class 54 Rating, Add</i>	6,029.20	
			<i>For Class 55 Rating, Add</i>	8,984.70	
			<i>For Class 56 Rating, Add</i>	11,900.27	
40 05 19 00-3557	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,931.69	2,283.15
			<i>For Class 52 Rating, Deduct</i>	-4,561.96	
			<i>For Class 54 Rating, Add</i>	6,262.37	
			<i>For Class 55 Rating, Add</i>	9,331.36	
			<i>For Class 56 Rating, Add</i>	12,358.88	
40 05 19 00-3558	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,475.45	2,286.53
			<i>For Class 52 Rating, Deduct</i>	-4,731.21	
			<i>For Class 54 Rating, Add</i>	6,493.23	
			<i>For Class 55 Rating, Add</i>	9,674.60	
			<i>For Class 56 Rating, Add</i>	12,812.97	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3559 EA 42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	48,034.55	2,289.89
<i>For Class 52 Rating, Deduct</i>	-4,902.15	
<i>For Class 54 Rating, Add</i>	6,726.39	
<i>For Class 55 Rating, Add</i>	10,021.27	
<i>For Class 56 Rating, Add</i>	13,271.58	
40 05 19 00-3560 EA 42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	49,575.76	2,293.25
<i>For Class 52 Rating, Deduct</i>	-5,071.12	
<i>For Class 54 Rating, Add</i>	6,956.87	
<i>For Class 55 Rating, Add</i>	10,363.94	
<i>For Class 56 Rating, Add</i>	13,724.92	
40 05 19 00-3561 EA 42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	51,137.42	2,296.62
<i>For Class 52 Rating, Deduct</i>	-5,242.34	
<i>For Class 54 Rating, Add</i>	7,190.41	
<i>For Class 55 Rating, Add</i>	10,711.18	
<i>For Class 56 Rating, Add</i>	14,184.29	
40 05 19 00-3562 EA 42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	52,681.19	2,300.00
<i>For Class 52 Rating, Deduct</i>	-5,411.60	
<i>For Class 54 Rating, Add</i>	7,421.27	
<i>For Class 55 Rating, Add</i>	11,054.42	
<i>For Class 56 Rating, Add</i>	14,638.38	
40 05 19 00-3563 EA 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	54,237.73	2,303.35
<i>For Class 52 Rating, Deduct</i>	-5,582.26	
<i>For Class 54 Rating, Add</i>	7,654.05	
<i>For Class 55 Rating, Add</i>	11,400.52	
<i>For Class 56 Rating, Add</i>	15,096.24	
40 05 19 00-3564 EA 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	55,784.05	2,306.73
<i>For Class 52 Rating, Deduct</i>	-5,751.79	
<i>For Class 54 Rating, Add</i>	7,885.29	
<i>For Class 55 Rating, Add</i>	11,744.33	
<i>For Class 56 Rating, Add</i>	15,551.08	
40 05 19 00-3565 EA 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	57,026.23	2,310.09
<i>For Class 52 Rating, Deduct</i>	-5,887.87	
<i>For Class 54 Rating, Add</i>	8,070.91	
<i>For Class 55 Rating, Add</i>	12,020.32	
<i>For Class 56 Rating, Add</i>	15,916.20	
40 05 19 00-3566 EA 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	58,886.92	2,313.47
<i>For Class 52 Rating, Deduct</i>	-6,091.98	
<i>For Class 54 Rating, Add</i>	8,349.31	
<i>For Class 55 Rating, Add</i>	12,434.24	
<i>For Class 56 Rating, Add</i>	16,463.78	
40 05 19 00-3567 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	60,428.13	2,316.82
<i>For Class 52 Rating, Deduct</i>	-6,260.96	
<i>For Class 54 Rating, Add</i>	8,579.79	
<i>For Class 55 Rating, Add</i>	12,776.91	
<i>For Class 56 Rating, Add</i>	16,917.12	
40 05 19 00-3568 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	61,987.23	2,320.20
<i>For Class 52 Rating, Deduct</i>	-6,431.90	
<i>For Class 54 Rating, Add</i>	8,812.95	
<i>For Class 55 Rating, Add</i>	13,123.58	
<i>For Class 56 Rating, Add</i>	17,375.73	
40 05 19 00-3569 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	63,531.00	2,323.56
<i>For Class 52 Rating, Deduct</i>	-6,601.15	
<i>For Class 54 Rating, Add</i>	9,043.81	
<i>For Class 55 Rating, Add</i>	13,466.82	
<i>For Class 56 Rating, Add</i>	17,829.82	
40 05 19 00-3570 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	65,092.66	2,326.94
<i>For Class 52 Rating, Deduct</i>	-6,772.37	
<i>For Class 54 Rating, Add</i>	9,277.36	
<i>For Class 55 Rating, Add</i>	13,814.06	
<i>For Class 56 Rating, Add</i>	18,289.19	
40 05 19 00-3571 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	66,633.87	2,330.29
<i>For Class 52 Rating, Deduct</i>	-6,941.34	
<i>For Class 54 Rating, Add</i>	9,507.84	
<i>For Class 55 Rating, Add</i>	14,156.73	
<i>For Class 56 Rating, Add</i>	18,742.52	

40 05 19 00-3572 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)



Process Interconnections			40
Common Work Results For Process Interconnections			40 05
Ductile Iron Process Pipe			40 05 19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3573	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,059.87	2,784.90
			For Class 52 Rating, Deduct	-1,522.43	
			For Class 54 Rating, Add	2,126.68	
			For Class 55 Rating, Add	3,187.66	
			For Class 56 Rating, Add	4,234.80	
40 05 19 00-3574	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,278.39	2,788.28
			For Class 52 Rating, Deduct	-1,765.91	
			For Class 54 Rating, Add	2,458.76	
			For Class 55 Rating, Add	3,681.37	
			For Class 56 Rating, Add	4,887.94	
40 05 19 00-3575	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,504.59	2,791.65
			For Class 52 Rating, Deduct	-2,010.23	
			For Class 54 Rating, Add	2,791.98	
			For Class 55 Rating, Add	4,176.80	
			For Class 56 Rating, Add	5,543.35	
40 05 19 00-3576	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,753.80	2,795.02
			For Class 52 Rating, Deduct	-2,257.08	
			For Class 54 Rating, Add	3,128.66	
			For Class 55 Rating, Add	4,677.36	
			For Class 56 Rating, Add	6,205.54	
40 05 19 00-3577	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	26,997.88	2,798.37
			For Class 52 Rating, Deduct	-2,503.37	
			For Class 54 Rating, Add	3,464.57	
			For Class 55 Rating, Add	5,176.77	
			For Class 56 Rating, Add	6,866.22	
40 05 19 00-3578	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	29,244.52	2,801.75
			For Class 52 Rating, Deduct	-2,749.94	
			For Class 54 Rating, Add	3,800.86	
			For Class 55 Rating, Add	5,676.76	
			For Class 56 Rating, Add	7,527.66	
40 05 19 00-3579	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	31,506.50	2,805.12
			For Class 52 Rating, Deduct	-2,998.20	
			For Class 54 Rating, Add	4,139.45	
			For Class 55 Rating, Add	6,180.17	
			For Class 56 Rating, Add	8,193.62	
40 05 19 00-3580	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	33,763.37	2,808.48
			For Class 52 Rating, Deduct	-3,245.89	
			For Class 54 Rating, Add	4,477.28	
			For Class 55 Rating, Add	6,682.43	
			For Class 56 Rating, Add	8,858.08	
40 05 19 00-3581	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	36,015.13	2,811.85
			For Class 52 Rating, Deduct	-3,493.02	
			For Class 54 Rating, Add	4,814.34	
			For Class 55 Rating, Add	7,183.56	
			For Class 56 Rating, Add	9,521.02	
40 05 19 00-3582	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	38,287.33	2,815.22
			For Class 52 Rating, Deduct	-3,742.40	
			For Class 54 Rating, Add	5,154.46	
			For Class 55 Rating, Add	7,689.24	
			For Class 56 Rating, Add	10,190.00	
40 05 19 00-3583	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	40,549.31	2,818.59
			For Class 52 Rating, Deduct	-3,990.66	
			For Class 54 Rating, Add	5,493.06	
			For Class 55 Rating, Add	8,192.65	
			For Class 56 Rating, Add	10,855.97	
40 05 19 00-3584	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	42,824.07	2,821.95
			For Class 52 Rating, Deduct	-4,240.32	
			For Class 54 Rating, Add	5,833.57	
			For Class 55 Rating, Add	8,698.91	
			For Class 56 Rating, Add	11,525.70	
40 05 19 00-3585	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	45,083.49	2,825.32
			For Class 52 Rating, Deduct	-4,488.30	
			For Class 54 Rating, Add	6,171.78	
			For Class 55 Rating, Add	9,201.74	
			For Class 56 Rating, Add	12,190.91	
40 05 19 00-3586	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	47,348.03	2,828.69
			For Class 52 Rating, Deduct	-4,736.84	
			For Class 54 Rating, Add	6,510.75	
			For Class 55 Rating, Add	9,705.72	
			For Class 56 Rating, Add	12,857.62	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3587	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	49,625.34	2,832.06
			<i>For Class 52 Rating, Deduct</i>	-4,986.78	
			<i>For Class 54 Rating, Add</i>	6,851.64	
			<i>For Class 55 Rating, Add</i>	10,212.54	
			<i>For Class 56 Rating, Add</i>	13,528.11	
40 05 19 00-3588	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	51,889.88	2,835.42
			<i>For Class 52 Rating, Deduct</i>	-5,235.32	
			<i>For Class 54 Rating, Add</i>	7,190.62	
			<i>For Class 55 Rating, Add</i>	10,716.52	
			<i>For Class 56 Rating, Add</i>	14,194.83	
40 05 19 00-3589	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	54,154.41	2,838.79
			<i>For Class 52 Rating, Deduct</i>	-5,483.85	
			<i>For Class 54 Rating, Add</i>	7,529.60	
			<i>For Class 55 Rating, Add</i>	11,220.50	
			<i>For Class 56 Rating, Add</i>	14,861.54	
40 05 19 00-3590	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	56,434.29	2,842.17
			<i>For Class 52 Rating, Deduct</i>	-5,734.08	
			<i>For Class 54 Rating, Add</i>	7,870.87	
			<i>For Class 55 Rating, Add</i>	11,727.89	
			<i>For Class 56 Rating, Add</i>	15,532.78	
40 05 19 00-3591	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	58,701.38	2,845.52
			<i>For Class 52 Rating, Deduct</i>	-5,982.90	
			<i>For Class 54 Rating, Add</i>	8,210.23	
			<i>For Class 55 Rating, Add</i>	12,232.44	
			<i>For Class 56 Rating, Add</i>	16,200.25	
40 05 19 00-3592	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	60,965.91	2,848.89
			<i>For Class 52 Rating, Deduct</i>	-6,231.44	
			<i>For Class 54 Rating, Add</i>	8,549.21	
			<i>For Class 55 Rating, Add</i>	12,736.41	
			<i>For Class 56 Rating, Add</i>	16,866.97	
40 05 19 00-3593	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	63,250.89	2,852.26
			<i>For Class 52 Rating, Deduct</i>	-6,482.22	
			<i>For Class 54 Rating, Add</i>	8,891.25	
			<i>For Class 55 Rating, Add</i>	13,244.95	
			<i>For Class 56 Rating, Add</i>	17,539.72	
40 05 19 00-3594	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	65,520.54	2,855.64
			<i>For Class 52 Rating, Deduct</i>	-6,731.32	
			<i>For Class 54 Rating, Add</i>	9,231.00	
			<i>For Class 55 Rating, Add</i>	13,750.07	
			<i>For Class 56 Rating, Add</i>	18,207.94	
40 05 19 00-3595	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	67,787.64	2,858.99
			<i>For Class 52 Rating, Deduct</i>	-6,980.14	
			<i>For Class 54 Rating, Add</i>	9,570.36	
			<i>For Class 55 Rating, Add</i>	14,254.61	
			<i>For Class 56 Rating, Add</i>	18,875.42	
40 05 19 00-3596	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	70,070.06	2,862.37
			<i>For Class 52 Rating, Deduct</i>	-7,230.65	
			<i>For Class 54 Rating, Add</i>	9,912.02	
			<i>For Class 55 Rating, Add</i>	14,762.58	
			<i>For Class 56 Rating, Add</i>	19,547.41	
40 05 19 00-3597	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	72,339.71	2,865.73
			<i>For Class 52 Rating, Deduct</i>	-7,479.75	
			<i>For Class 54 Rating, Add</i>	10,251.76	
			<i>For Class 55 Rating, Add</i>	15,267.70	
			<i>For Class 56 Rating, Add</i>	20,215.63	
40 05 19 00-3598	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	74,606.79	2,869.09
			<i>For Class 52 Rating, Deduct</i>	-7,728.56	
			<i>For Class 54 Rating, Add</i>	10,591.12	
			<i>For Class 55 Rating, Add</i>	15,772.24	
			<i>For Class 56 Rating, Add</i>	20,883.10	
40 05 19 00-3599	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	76,891.78	2,872.46
			<i>For Class 52 Rating, Deduct</i>	-7,979.35	
			<i>For Class 54 Rating, Add</i>	10,933.16	
			<i>For Class 55 Rating, Add</i>	16,280.78	
			<i>For Class 56 Rating, Add</i>	21,555.85	
40 05 19 00-3600	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	79,161.44	2,875.84
			<i>For Class 52 Rating, Deduct</i>	-8,228.45	
			<i>For Class 54 Rating, Add</i>	11,272.90	
			<i>For Class 55 Rating, Add</i>	16,785.89	
			<i>For Class 56 Rating, Add</i>	22,224.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3601 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	81,162.71	2,879.20
<i>For Class 52 Rating, Deduct</i>	-8,448.03	
<i>For Class 54 Rating, Add</i>	11,572.39	
<i>For Class 55 Rating, Add</i>	17,231.16	
<i>For Class 56 Rating, Add</i>	22,813.13	
40 05 19 00-3602 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	83,718.62	2,882.57
<i>For Class 52 Rating, Deduct</i>	-8,728.62	
<i>For Class 54 Rating, Add</i>	11,955.07	
<i>For Class 55 Rating, Add</i>	17,800.11	
<i>For Class 56 Rating, Add</i>	23,565.80	
40 05 19 00-3603 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	85,985.71	2,885.93
<i>For Class 52 Rating, Deduct</i>	-8,977.44	
<i>For Class 54 Rating, Add</i>	12,294.43	
<i>For Class 55 Rating, Add</i>	18,304.66	
<i>For Class 56 Rating, Add</i>	24,233.27	
40 05 19 00-3604 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	88,275.81	2,889.31
<i>For Class 52 Rating, Deduct</i>	-9,228.79	
<i>For Class 54 Rating, Add</i>	12,637.24	
<i>For Class 55 Rating, Add</i>	18,814.34	
<i>For Class 56 Rating, Add</i>	24,907.53	
40 05 19 00-3605 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	90,542.90	2,892.66
<i>For Class 52 Rating, Deduct</i>	-9,477.61	
<i>For Class 54 Rating, Add</i>	12,976.60	
<i>For Class 55 Rating, Add</i>	19,318.88	
<i>For Class 56 Rating, Add</i>	25,575.00	
40 05 19 00-3606 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	92,809.99	2,896.04
<i>For Class 52 Rating, Deduct</i>	-9,726.43	
<i>For Class 54 Rating, Add</i>	13,315.96	
<i>For Class 55 Rating, Add</i>	19,823.43	
<i>For Class 56 Rating, Add</i>	26,242.47	
40 05 19 00-3607 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	95,100.08	2,899.40
<i>For Class 52 Rating, Deduct</i>	-9,977.77	
<i>For Class 54 Rating, Add</i>	13,658.77	
<i>For Class 55 Rating, Add</i>	20,333.10	
<i>For Class 56 Rating, Add</i>	26,916.73	
40 05 19 00-3608 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3609 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	845.78	162.47
40 05 19 00-3610 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,233.53	207.76
40 05 19 00-3611 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,750.63	235.33
40 05 19 00-3612 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,494.43	298.34
40 05 19 00-3613 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,101.29	330.84
40 05 19 00-3614 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,796.25	359.39
40 05 19 00-3615 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	4,662.08	443.09
40 05 19 00-3616 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	5,844.42	531.71
40 05 19 00-3617 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	7,146.70	669.56
40 05 19 00-3618 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	10,594.82	758.17
40 05 19 00-3619 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	16,414.73	1,004.34
40 05 19 00-3620 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	24,285.20	1,137.26
40 05 19 00-3621 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	41,344.15	1,299.73
40 05 19 00-3622 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	54,674.24	1,595.12
40 05 19 00-3623 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3624 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	807.15	162.47
40 05 19 00-3625 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,169.71	207.76
40 05 19 00-3626 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,592.75	235.33
40 05 19 00-3627 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,269.37	298.34
40 05 19 00-3628 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,810.72	330.84
40 05 19 00-3629 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	3,270.53	359.39
40 05 19 00-3630 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	4,020.47	443.09
40 05 19 00-3631 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	5,112.11	531.71
40 05 19 00-3632 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	6,429.51	669.56
40 05 19 00-3633 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	8,423.10	758.17
40 05 19 00-3634 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	16,030.10	1,004.34
40 05 19 00-3635 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	23,771.24	1,137.26
40 05 19 00-3636 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	35,872.02	1,299.73
40 05 19 00-3637 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	48,481.56	1,595.12
40 05 19 00-3638 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3639 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	805.47	162.47

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3640	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,147.87	207.76
40 05 19 00-3641	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,579.31	235.33
40 05 19 00-3642	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,217.30	298.34
40 05 19 00-3643	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,926.61	330.84
40 05 19 00-3644	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,624.93	359.39
40 05 19 00-3645	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,101.09	443.09
40 05 19 00-3646	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,209.53	531.71
40 05 19 00-3647	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,847.73	669.56
40 05 19 00-3648	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,388.87	758.17
40 05 19 00-3649	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	16,201.42	1,004.34
40 05 19 00-3650	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	24,162.59	1,137.26
40 05 19 00-3651	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,653.03	1,299.73
40 05 19 00-3652	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	49,502.76	1,595.12
40 05 19 00-3653			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows <small>(40 05 19 00-2059)</small>		
40 05 19 00-3654	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	870.97	162.47
40 05 19 00-3655	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,270.48	207.76
40 05 19 00-3656	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,629.70	235.33
40 05 19 00-3657	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,397.02	298.34
40 05 19 00-3658	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,260.85	330.84
40 05 19 00-3659	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,710.59	359.39
40 05 19 00-3660	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,462.21	443.09
40 05 19 00-3661	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,209.53	531.71
40 05 19 00-3662	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,847.73	669.56
40 05 19 00-3663	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,731.51	758.17
40 05 19 00-3664	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	16,369.38	1,004.34
40 05 19 00-3665	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	24,333.91	1,137.26
40 05 19 00-3666	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,832.75	1,299.73
40 05 19 00-3667	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	49,865.55	1,595.12
40 05 19 00-3668			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows <small>(40 05 19 00-2059)</small>		
40 05 19 00-3669	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,197.53	185.12
40 05 19 00-3670	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,537.55	198.90
40 05 19 00-3671	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,670.95	221.55
40 05 19 00-3672	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,282.32	230.41
40 05 19 00-3673	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,328.40	253.05
40 05 19 00-3674	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,498.76	266.84
40 05 19 00-3675	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,724.95	269.80
40 05 19 00-3676	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,039.77	283.58
40 05 19 00-3677	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,186.59	315.09
40 05 19 00-3678	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,167.42	283.58
40 05 19 00-3679	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,433.52	297.36
40 05 19 00-3680	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,723.12	328.87
40 05 19 00-3681	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,044.09	345.61
40 05 19 00-3682	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,645.68	325.43
40 05 19 00-3683	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,863.07	339.21
40 05 19 00-3684	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,300.49	370.72
40 05 19 00-3685	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,622.39	386.96
40 05 19 00-3686	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,885.89	401.24
40 05 19 00-3687	EA		18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,231.81	369.73
40 05 19 00-3688	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,890.94	383.52
40 05 19 00-3689	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,984.03	415.03
40 05 19 00-3690	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,205.17	431.27
40 05 19 00-3691	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,569.43	445.55
40 05 19 00-3692	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,972.11	487.40
40 05 19 00-3693	EA		20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,286.89	438.66
40 05 19 00-3694	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,573.16	452.44
40 05 19 00-3695	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,674.01	483.96
40 05 19 00-3696	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,876.66	500.20
40 05 19 00-3697	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,487.83	514.48
40 05 19 00-3698	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,309.38	556.32
40 05 19 00-3699	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,690.60	600.63
40 05 19 00-3700	EA		24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,290.61	482.97
40 05 19 00-3701	EA		24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,571.83	496.75
40 05 19 00-3702	EA		24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,042.84	528.26
40 05 19 00-3703	EA		24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,383.22	544.51
40 05 19 00-3704	EA		24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,036.38	558.78
40 05 19 00-3705	EA		24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,627.17	600.63
40 05 19 00-3706	EA		24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,798.44	644.94
40 05 19 00-3707	EA		24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,259.60	637.81
40 05 19 00-3708	EA		30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,362.24	667.59
40 05 19 00-3709	EA		30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,062.43	681.86
40 05 19 00-3710	EA		30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,780.23	723.71
40 05 19 00-3711	EA		30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,632.79	768.03
40 05 19 00-3712	EA		30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,229.51	836.95
40 05 19 00-3713	EA		30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,754.54	881.25



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	
Ductile Iron Process Pipe	
40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3714 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,497.13	903.41
40 05 19 00-3715 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,479.01	947.72
40 05 19 00-3716 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,626.23	1,070.80
40 05 19 00-3717 EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,813.70	984.65
40 05 19 00-3718 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,587.95	1,028.95
40 05 19 00-3719 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,579.60	1,152.04
40 05 19 00-3720 EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,421.11	1,218.50
40 05 19 00-3721 EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,406.18	1,188.96
40 05 19 00-3722 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,274.36	1,312.04
40 05 19 00-3723 EA 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	49,659.95	1,378.50
40 05 19 00-3724 EA 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	61,563.75	1,459.74
40 05 19 00-3725 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3726 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	988.54	162.47
40 05 19 00-3727 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,545.94	207.76
40 05 19 00-3728 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,281.38	235.33
40 05 19 00-3729 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,179.71	298.34
40 05 19 00-3730 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,431.53	330.84
40 05 19 00-3731 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,190.31	359.39
40 05 19 00-3732 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,612.10	443.09
40 05 19 00-3733 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,091.72	531.71
40 05 19 00-3734 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,796.47	669.56
40 05 19 00-3735 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,704.16	758.17
40 05 19 00-3736 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	27,138.98	1,004.34
40 05 19 00-3737 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	41,019.05	1,137.26
40 05 19 00-3738 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	63,111.77	1,299.73
40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-2059)		
40 05 19 00-3740 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,035.57	162.47
40 05 19 00-3741 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,453.56	207.76
40 05 19 00-3742 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,343.53	235.33
40 05 19 00-3743 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,132.68	298.34
40 05 19 00-3744 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,174.56	330.84
40 05 19 00-3745 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,943.41	359.39
40 05 19 00-3746 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,025.91	443.09
40 05 19 00-3747 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,460.20	531.71
40 05 19 00-3748 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,635.87	669.56
40 05 19 00-3749 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,493.81	758.17
40 05 19 00-3750 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,725.63	1,004.34
40 05 19 00-3751 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,872.59	1,137.26
40 05 19 00-3752 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	54,221.65	1,299.73
40 05 19 00-3753 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	60,866.93	1,595.12
40 05 19 00-3754 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-2059)		
40 05 19 00-3755 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,283.86	260.93
40 05 19 00-3756 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,658.71	321.00
40 05 19 00-3757 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,377.17	358.41
40 05 19 00-3758 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,354.39	465.74
40 05 19 00-3759 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,464.94	508.08
40 05 19 00-3760 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,959.18	546.48
40 05 19 00-3761 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,459.35	689.25
40 05 19 00-3762 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	8,009.33	787.72
40 05 19 00-3763 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	10,076.12	994.49
40 05 19 00-3764 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,779.45	1,097.88
40 05 19 00-3765 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	24,238.11	1,516.36
40 05 19 00-3766 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	34,192.86	1,737.90
40 05 19 00-3767 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	72,785.48	2,008.67
40 05 19 00-3768 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees (40 05 19 00-2059)		
40 05 19 00-3769 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,699.62	291.46
40 05 19 00-3770 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,188.94	297.36
40 05 19 00-3771 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,161.65	334.78
40 05 19 00-3772 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,903.48	328.87
40 05 19 00-3773 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,837.56	366.29
40 05 19 00-3774 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,959.02	389.92
40 05 19 00-3775 EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,693.06	345.61
40 05 19 00-3776 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,655.70	383.02
40 05 19 00-3777 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,815.79	406.65
40 05 19 00-3778 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,402.63	482.47
40 05 19 00-3779 EA 14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,264.22	359.39
40 05 19 00-3780 EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,146.23	396.81

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3781	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,329.83	420.44	
40 05 19 00-3782	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,542.13	496.26	
40 05 19 00-3783	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,826.89	522.35	
40 05 19 00-3784	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,347.14	401.24	
40 05 19 00-3785	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,357.43	438.66	
40 05 19 00-3786	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,482.26	462.29	
40 05 19 00-3787	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,614.98	538.11	
40 05 19 00-3788	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,935.64	564.20	
40 05 19 00-3789	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,075.69	588.33	
40 05 19 00-3790	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,982.20	482.97	
40 05 19 00-3791	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,034.17	506.60	
40 05 19 00-3792	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,999.55	582.41	
40 05 19 00-3793	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,624.22	608.51	
40 05 19 00-3794	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,147.22	632.63	
40 05 19 00-3795	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,594.07	733.56	
40 05 19 00-3796	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,511.97	551.89	
40 05 19 00-3797	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,651.91	575.53	
40 05 19 00-3798	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,926.35	651.35	
40 05 19 00-3799	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,229.59	677.44	
40 05 19 00-3800	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,318.20	701.56	
40 05 19 00-3801	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,997.87	802.49	
40 05 19 00-3802	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,184.07	856.64	
40 05 19 00-3803	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,828.72	596.20	
40 05 19 00-3804	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,210.54	619.83	
40 05 19 00-3805	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,518.57	695.65	
40 05 19 00-3806	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,649.84	721.74	
40 05 19 00-3807	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,896.34	745.87	
40 05 19 00-3808	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,188.66	846.79	
40 05 19 00-3809	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,708.86	900.95	
40 05 19 00-3810	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	16,175.36	962.74	
40 05 19 00-3811	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,378.98	719.28	
40 05 19 00-3812	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,470.22	742.91	
40 05 19 00-3813	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,924.37	818.73	
40 05 19 00-3814	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,963.91	844.82	
40 05 19 00-3815	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,000.46	868.95	
40 05 19 00-3816	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,153.37	969.88	
40 05 19 00-3817	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,794.74	1,024.03	
40 05 19 00-3818	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,821.57	1,161.88	
40 05 19 00-3819	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,563.57	1,220.96	
40 05 19 00-3820	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,835.43	1,029.44	
40 05 19 00-3821	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,088.84	1,048.15	
40 05 19 00-3822	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,225.58	1,101.82	
40 05 19 00-3823	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,427.30	1,122.99	
40 05 19 00-3824	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,513.49	1,142.19	
40 05 19 00-3825	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,732.51	1,213.57	
40 05 19 00-3826	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,865.89	1,262.80	
40 05 19 00-3827	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,245.93	1,366.20	
40 05 19 00-3828	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,834.85	1,417.89	
40 05 19 00-3829	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	38,546.52	1,627.12	
40 05 19 00-3830	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,200.53	992.52	
40 05 19 00-3831	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,299.22	1,016.65	
40 05 19 00-3832	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,569.72	1,117.57	
40 05 19 00-3833	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,712.24	1,171.72	
40 05 19 00-3834	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,161.28	1,309.58	
40 05 19 00-3835	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,732.84	1,368.66	
40 05 19 00-3836	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,763.56	1,664.05	
40 05 19 00-3837	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	69,851.24	1,819.13	
40 05 19 00-3838	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,650.69	1,152.52	
40 05 19 00-3839	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,687.24	1,176.65	
40 05 19 00-3840	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,018.20	1,277.58	
40 05 19 00-3841	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,100.26	1,331.74	
40 05 19 00-3842	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,549.30	1,469.58	
40 05 19 00-3843	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	58,062.07	1,528.66	
40 05 19 00-3844	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	59,351.12	1,824.06	

40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base
(40 05 19 00-2059)

40 05 19 00-3846	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,381.28	260.93
40 05 19 00-3847	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,942.56	321.00
40 05 19 00-3848	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,857.54	358.41
40 05 19 00-3849	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,264.73	465.74
40 05 19 00-3850	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,728.00	508.08
40 05 19 00-3851	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,451.30	546.48
40 05 19 00-3852	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,910.52	689.25
40 05 19 00-3853	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,552.88	787.72
40 05 19 00-3854	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,550.17	994.49
40 05 19 00-3855	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	18,007.64	1,097.88
40 05 19 00-3856	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	29,774.08	1,516.36
40 05 19 00-3857	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	42,322.13	1,737.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

40 05 19 00-3858

Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron

Wyes (40 05 19 00-2059)

40 05 19 00-3859	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,137.73	260.93
40 05 19 00-3860	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,646.95	321.00
40 05 19 00-3861	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,415.80	358.41
40 05 19 00-3862	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,183.07	465.74
40 05 19 00-3863	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,777.35	508.08
40 05 19 00-3864	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	6,372.36	546.48

40 05 19 00-3865

Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron

Crosses (40 05 19 00-2059)

40 05 19 00-3866	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,466.64	359.39
40 05 19 00-3867	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,042.89	389.42
40 05 19 00-3868	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,127.57	434.23
40 05 19 00-3869	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,618.62	395.82
40 05 19 00-3870	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,798.46	448.01
40 05 19 00-3871	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,864.30	481.49
40 05 19 00-3872	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,423.86	427.34
40 05 19 00-3873	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,699.44	479.52
40 05 19 00-3874	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,995.38	513.00
40 05 19 00-3875	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,810.60	633.13
40 05 19 00-3876	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,456.24	443.58
40 05 19 00-3877	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,632.73	495.77
40 05 19 00-3878	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,928.67	529.25
40 05 19 00-3879	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,794.27	649.37
40 05 19 00-3880	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,448.98	685.31
40 05 19 00-3881	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,563.02	510.05
40 05 19 00-3882	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,858.96	543.52
40 05 19 00-3883	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,380.25	663.65
40 05 19 00-3884	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,878.11	699.59
40 05 19 00-3885	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,171.45	733.56
40 05 19 00-3886	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,629.14	551.89
40 05 19 00-3887	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,972.12	585.37
40 05 19 00-3888	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,495.08	705.50
40 05 19 00-3889	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,039.98	741.44
40 05 19 00-3890	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,978.69	775.40
40 05 19 00-3891	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,921.75	935.41
40 05 19 00-3892	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,970.05	596.20
40 05 19 00-3893	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,313.03	629.69
40 05 19 00-3894	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,738.58	749.81
40 05 19 00-3895	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,283.48	785.75
40 05 19 00-3896	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,408.22	819.72
40 05 19 00-3897	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,092.38	979.72
40 05 19 00-3898	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,479.92	1,043.73
40 05 19 00-3899	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,947.24	665.13
40 05 19 00-3900	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,313.73	698.61
40 05 19 00-3901	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,705.68	818.73
40 05 19 00-3902	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,285.85	854.67
40 05 19 00-3903	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,444.82	888.64
40 05 19 00-3904	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,476.03	1,048.64
40 05 19 00-3905	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,887.08	1,112.65
40 05 19 00-3906	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,937.73	1,319.42
40 05 19 00-3907	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,789.07	709.44
40 05 19 00-3908	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,053.11	742.91
40 05 19 00-3909	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,601.27	863.04
40 05 19 00-3910	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,971.50	898.98
40 05 19 00-3911	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,180.84	932.95
40 05 19 00-3912	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,791.11	1,092.96
40 05 19 00-3913	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,625.19	1,156.95
40 05 19 00-3914	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,505.16	1,287.68
40 05 19 00-3915	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,205.30	1,437.58
40 05 19 00-3916	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,077.29	1,022.07
40 05 19 00-3917	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,184.19	1,056.03
40 05 19 00-3918	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,819.64	1,216.04
40 05 19 00-3919	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,032.50	1,280.04
40 05 19 00-3920	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,963.90	1,486.81
40 05 19 00-3921	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,559.04	1,560.66
40 05 19 00-3922	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	33,141.48	2,028.37
40 05 19 00-3923	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,481.88	1,300.22
40 05 19 00-3924	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,525.90	1,329.27
40 05 19 00-3925	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,066.21	1,459.74
40 05 19 00-3926	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,266.57	1,518.81
40 05 19 00-3927	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,034.90	1,691.13
40 05 19 00-3928	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,037.54	1,757.59
40 05 19 00-3929	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,705.00	2,139.14
40 05 19 00-3930	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,616.57	2,338.53
40 05 19 00-3931	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,780.81	1,363.73

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3932 EA 42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,939.92	1,427.73
40 05 19 00-3933 EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,827.64	1,634.51
40 05 19 00-3934 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,896.91	1,708.36
40 05 19 00-3935 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,105.14	2,176.06
40 05 19 00-3936 EA 42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	80,321.57	2,419.77
40 05 19 00-3937 EA 48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,610.37	1,794.51
40 05 19 00-3938 EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	60,679.63	1,868.36
40 05 19 00-3939 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	63,111.55	2,336.07

40 05 19 00-3940 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-2059)

40 05 19 00-3941 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,031.25	185.12
40 05 19 00-3942 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,362.87	198.90
40 05 19 00-3943 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,450.92	221.55
40 05 19 00-3944 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,810.35	230.41
40 05 19 00-3945 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,807.72	253.05
40 05 19 00-3946 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,026.79	266.84
40 05 19 00-3947 EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,300.97	247.15
40 05 19 00-3948 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,340.32	269.80
40 05 19 00-3949 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,503.98	283.58
40 05 19 00-3950 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,723.03	315.09
40 05 19 00-3951 EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,826.46	283.58
40 05 19 00-3952 EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,043.85	297.36
40 05 19 00-3953 EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,259.55	328.87
40 05 19 00-3954 EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,170.70	345.61
40 05 19 00-3955 EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,355.11	325.43
40 05 19 00-3956 EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,204.67	339.21
40 05 19 00-3957 EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,462.37	370.72
40 05 19 00-3958 EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,869.93	386.96
40 05 19 00-3959 EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,346.74	401.24
40 05 19 00-3960 EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,057.86	383.52
40 05 19 00-3961 EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,350.82	415.03
40 05 19 00-3962 EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,313.30	431.27
40 05 19 00-3963 EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,835.45	445.55
40 05 19 00-3964 EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,796.39	487.40
40 05 19 00-3965 EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,941.63	452.44
40 05 19 00-3966 EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,251.38	483.96
40 05 19 00-3967 EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,131.56	500.20
40 05 19 00-3968 EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,772.96	514.48
40 05 19 00-3969 EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,445.02	556.32
40 05 19 00-3970 EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,484.64	600.63
40 05 19 00-3971 EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,132.49	528.26
40 05 19 00-3972 EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,702.98	544.51
40 05 19 00-3973 EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,865.70	558.78
40 05 19 00-3974 EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,055.71	600.63
40 05 19 00-3975 EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,271.68	644.94
40 05 19 00-3976 EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,680.77	637.81
40 05 19 00-3977 EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,772.07	723.71
40 05 19 00-3978 EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,180.17	768.03
40 05 19 00-3979 EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,961.48	836.95
40 05 19 00-3980 EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,153.95	881.25
40 05 19 00-3981 EA 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,629.40	790.17
40 05 19 00-3982 EA 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,874.57	834.49
40 05 19 00-3983 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,922.94	903.41
40 05 19 00-3984 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,858.43	947.72
40 05 19 00-3985 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,416.52	1,070.80
40 05 19 00-3986 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,079.50	1,028.95
40 05 19 00-3987 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	29,153.21	1,152.04
40 05 19 00-3988 EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,680.31	1,218.50
40 05 19 00-3989 EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,508.30	1,188.96
40 05 19 00-3990 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	36,565.87	1,312.04
40 05 19 00-3991 EA 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	40,574.99	1,378.50
40 05 19 00-3992 EA 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	45,149.01	1,459.74

40 05 19 00-3993 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-2059)

40 05 19 00-3994 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,100.11	185.12
40 05 19 00-3995 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,441.81	198.90
40 05 19 00-3996 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,571.86	221.55
40 05 19 00-3997 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,810.35	230.41
40 05 19 00-3998 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,891.70	253.05
40 05 19 00-3999 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,107.41	266.84
40 05 19 00-4000 EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,300.97	247.15
40 05 19 00-4001 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,434.38	269.80
40 05 19 00-4002 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,601.39	283.58
40 05 19 00-4003 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,892.66	315.09
40 05 19 00-4004 EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,826.46	283.58
40 05 19 00-4005 EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,993.46	297.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4006 EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,236.04	328.87
40 05 19 00-4007 EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,604.04	345.61
40 05 19 00-4008 EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,355.11	325.43
40 05 19 00-4009 EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,569.14	339.21
40 05 19 00-4010 EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,863.79	370.72
40 05 19 00-4011 EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,180.65	386.96
40 05 19 00-4012 EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,346.74	401.24
40 05 19 00-4013 EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,057.86	383.52
40 05 19 00-4014 EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,350.82	415.03
40 05 19 00-4015 EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,666.01	431.27
40 05 19 00-4016 EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,835.45	445.55
40 05 19 00-4017 EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,191.10	487.40
40 05 19 00-4018 EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,203.64	452.44
40 05 19 00-4019 EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,436.14	483.96
40 05 19 00-4020 EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,645.52	500.20
40 05 19 00-4021 EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,772.96	514.48
40 05 19 00-4022 EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,202.52	556.32
40 05 19 00-4023 EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,479.60	600.63
40 05 19 00-4024 EA 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,316.53	496.75
40 05 19 00-4025 EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,253.42	528.26
40 05 19 00-4026 EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,383.86	544.51
40 05 19 00-4027 EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,509.62	558.78
40 05 19 00-4028 EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,940.86	600.63
40 05 19 00-4029 EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,271.68	644.94
40 05 19 00-4030 EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,680.77	637.81
40 05 19 00-4031 EA 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,491.76	681.86
40 05 19 00-4032 EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,522.21	723.71
40 05 19 00-4033 EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,235.59	768.03
40 05 19 00-4034 EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,961.48	836.95
40 05 19 00-4035 EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,153.95	881.25
40 05 19 00-4036 EA 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,648.52	790.17
40 05 19 00-4037 EA 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,296.79	834.49
40 05 19 00-4038 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,246.06	903.41
40 05 19 00-4039 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,799.64	947.72
40 05 19 00-4040 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,713.81	1,070.80
40 05 19 00-4041 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	26,079.50	1,028.95
40 05 19 00-4042 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	29,153.21	1,152.04
40 05 19 00-4043 EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,680.31	1,218.50
40 05 19 00-4044 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	36,565.87	1,312.04
40 05 19 00-4045 EA 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	40,574.99	1,378.50
40 05 19 00-4046 EA 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	45,149.01	1,459.74
40 05 19 00-4047 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges <small>(40 05 19 00-2059)</small>		
40 05 19 00-4048 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	505.11	64.00
40 05 19 00-4049 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	768.03	94.52
40 05 19 00-4050 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,023.31	112.25
40 05 19 00-4051 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,483.31	130.96
40 05 19 00-4052 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,962.72	153.60
40 05 19 00-4053 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,698.18	172.32
40 05 19 00-4054 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,257.84	196.93
40 05 19 00-4055 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,386.62	275.70
40 05 19 00-4056 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,885.12	344.63
40 05 19 00-4057 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,613.83	418.47
40 05 19 00-4058 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,467.13	487.40
40 05 19 00-4059 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	23,319.72	536.63
40 05 19 00-4060 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	33,408.83	590.78
40 05 19 00-4061 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	44,518.74	664.63
40 05 19 00-4062 Ductile Iron Bolt Packs <small>(40 05 19)</small>		
Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-4063 EA 4" Pipe Diameter, Ductile Iron Flange Bolt Pack	44.25	
Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add 12.39		
For Hot Dip Galvanized, Add 17.70		
40 05 19 00-4064 EA 6" Pipe Diameter, Ductile Iron Flange Bolt Pack	68.27	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add 19.12		
For Hot Dip Galvanized, Add 27.31		
40 05 19 00-4065 EA 8" Pipe Diameter, Ductile Iron Flange Bolt Pack	74.13	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add 20.76		
For Hot Dip Galvanized, Add 29.65		
40 05 19 00-4066 EA 10" Pipe Diameter, Ductile Iron Flange Bolt Pack	166.52	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add 46.63		
For Hot Dip Galvanized, Add 66.61		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4067 EA 12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	167.98	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	47.03	
For Hot Dip Galvanized, Add	67.19	
40 05 19 00-4068 EA 14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	188.20	
Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	52.70	
For Hot Dip Galvanized, Add	75.28	
40 05 19 00-4069 EA 16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	316.39	
Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	88.59	
For Hot Dip Galvanized, Add	126.56	
40 05 19 00-4070 EA 18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	459.63	
Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	128.70	
For Hot Dip Galvanized, Add	183.85	
40 05 19 00-4071 EA 20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	580.34	
Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	162.50	
For Hot Dip Galvanized, Add	232.14	
40 05 19 00-4072 EA 24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	830.36	
Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	232.50	
For Hot Dip Galvanized, Add	332.14	
40 05 19 00-4073 EA 30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,312.09	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	367.39	
For Hot Dip Galvanized, Add	524.84	
40 05 19 00-4074 EA 36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,871.73	
Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	524.08	
For Hot Dip Galvanized, Add	748.69	
40 05 19 00-4075 EA 42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,407.93	
Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	674.22	
For Hot Dip Galvanized, Add	963.17	
40 05 19 00-4076 EA 48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,943.02	
Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	824.05	
For Hot Dip Galvanized, Add	1,177.21	
40 05 19 00-4077 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 (40 05 19)		
Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-4078 Full Face Flange Styrene Butadiene (SBR) Gaskets (40 05 19 00-4077)		
40 05 19 00-4079 EA 4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	9.01	
40 05 19 00-4080 EA 6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	11.47	
40 05 19 00-4081 EA 8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	15.56	
40 05 19 00-4082 EA 10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	18.02	
40 05 19 00-4083 EA 12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	19.66	
40 05 19 00-4084 EA 14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	32.76	
40 05 19 00-4085 EA 16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	40.13	
40 05 19 00-4086 EA 18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	42.59	
40 05 19 00-4087 EA 20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	65.52	
40 05 19 00-4088 EA 24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	70.43	
40 05 19 00-4089 EA 30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	90.91	
40 05 19 00-4090 EA 36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	104.01	
40 05 19 00-4091 EA 42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	111.38	
40 05 19 00-4092 EA 48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	122.03	
40 05 19 00-4093 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-4077)		
Note: (Acrylonitrile Butadiene)		
40 05 19 00-4094 EA 4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	27.85	
40 05 19 00-4095 EA 6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	39.31	
40 05 19 00-4096 EA 8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	60.61	
40 05 19 00-4097 EA 10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	66.34	
40 05 19 00-4098 EA 12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	71.25	
40 05 19 00-4099 EA 14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	134.32	
40 05 19 00-4100 EA 16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	165.44	
40 05 19 00-4101 EA 18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	166.26	
40 05 19 00-4102 EA 20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	172.81	
40 05 19 00-4103 EA 24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	182.64	
40 05 19 00-4104 EA 30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	202.29	
40 05 19 00-4105 EA 36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	222.77	
40 05 19 00-4106 EA 42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	316.95	
40 05 19 00-4107 EA 48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	346.44	
40 05 19 00-4108 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-4077)		
40 05 19 00-4109 EA 4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	24.57	
40 05 19 00-4110 EA 6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	31.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4111 EA 8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	43.41	
40 05 19 00-4112 EA 10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	50.78	
40 05 19 00-4113 EA 12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	56.51	
40 05 19 00-4114 EA 14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	93.37	
40 05 19 00-4115 EA 16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	112.20	
40 05 19 00-4116 EA 18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	113.02	
40 05 19 00-4117 EA 20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	115.48	
40 05 19 00-4118 EA 24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	134.32	
40 05 19 00-4119 EA 30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	164.62	
40 05 19 00-4120 EA 36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	187.55	
40 05 19 00-4121 EA 42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	268.63	
40 05 19 00-4122 EA 48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	296.48	

40 05 19 00-4123 Full Face Flange Neoprene Gaskets (40 05 19 00-4077)

Note: (Polychloroprene)

40 05 19 00-4124 EA 4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	28.66	
40 05 19 00-4125 EA 6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	40.13	
40 05 19 00-4126 EA 8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	61.42	
40 05 19 00-4127 EA 10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	66.34	
40 05 19 00-4128 EA 12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	71.25	
40 05 19 00-4129 EA 14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	95.00	
40 05 19 00-4130 EA 16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	167.08	
40 05 19 00-4131 EA 18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	167.90	
40 05 19 00-4132 EA 20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	177.72	
40 05 19 00-4133 EA 24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	180.18	
40 05 19 00-4134 EA 30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	195.74	
40 05 19 00-4135 EA 36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	220.31	
40 05 19 00-4136 EA 42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	319.41	
40 05 19 00-4137 EA 48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	349.71	

40 05 19 00-4138 Full Face Flange FKM Gaskets (40 05 19 00-4077)

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4139 EA 4" Full Face Flange FKM Gasket, 1/8" Thick.....	118.95	
40 05 19 00-4140 EA 6" Full Face Flange FKM Gasket, 1/8" Thick.....	177.10	
40 05 19 00-4141 EA 8" Full Face Flange FKM Gasket, 1/8" Thick.....	236.58	
40 05 19 00-4142 EA 10" Full Face Flange FKM Gasket, 1/8" Thick.....	285.48	
40 05 19 00-4143 EA 12" Full Face Flange FKM Gasket, 1/8" Thick.....	371.38	
40 05 19 00-4144 EA 14" Full Face Flange FKM Gasket, 1/8" Thick.....	679.33	
40 05 19 00-4145 EA 16" Full Face Flange FKM Gasket, 1/8" Thick.....	778.45	
40 05 19 00-4146 EA 18" Full Face Flange FKM Gasket, 1/8" Thick.....	815.46	
40 05 19 00-4147 EA 20" Full Face Flange FKM Gasket, 1/8" Thick.....	869.65	
40 05 19 00-4148 EA 24" Full Face Flange FKM Gasket, 1/8" Thick.....	1,202.70	
40 05 19 00-4149 EA 30" Full Face Flange FKM Gasket, 1/8" Thick.....	1,441.92	
40 05 19 00-4150 EA 36" Full Face Flange FKM Gasket, 1/8" Thick.....	1,521.22	
40 05 19 00-4151 EA 42" Full Face Flange FKM Gasket, 1/8" Thick.....	1,896.57	
40 05 19 00-4152 EA 48" Full Face Flange FKM Gasket, 1/8" Thick.....	1,987.76	

40 05 19 00-4153 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)

40 05 19 00-4154 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	405.78	79.36
40 05 19 00-4155 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	561.78	96.88
40 05 19 00-4156 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	829.65	118.16
40 05 19 00-4157 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	1,138.09	144.14
40 05 19 00-4158 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	1,444.31	175.77
40 05 19 00-4159 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	2,315.23	214.45
40 05 19 00-4160 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	3,635.22	261.72
40 05 19 00-4161 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	3,757.28	319.21
40 05 19 00-4162 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	4,603.10	389.51
40 05 19 00-4163 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	5,132.00	475.10
40 05 19 00-4164 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	6,611.53	579.74
40 05 19 00-4165 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	9,817.03	707.19
40 05 19 00-4166 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	25,516.87	862.86
40 05 19 00-4167 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	32,589.38	1,052.62

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)

40 05 23 23-0001	Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)		
	Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 23-0002	LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	44.11	12.55
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	4.91	
	For Work In Restricted Working Space, Add	7.57	
40 05 23 23-0003	LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	49.77	14.39
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	5.15	
	For Work In Restricted Working Space, Add	8.99	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0004 LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	57.97	16.23
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	6.03	
For Work In Restricted Working Space, Add	10.43	
40 05 23 23-0005 LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	66.72	19.60
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	7.61	
For Work In Restricted Working Space, Add	11.23	
40 05 23 23-0006 LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	73.68	20.16
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	8.72	
For Work In Restricted Working Space, Add	12.04	
40 05 23 23-0007 LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	89.26	26.65
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	10.63	
For Work In Restricted Working Space, Add	14.51	
40 05 23 23-0008 LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	130.24	32.85
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	18.29	
For Work In Restricted Working Space, Add	17.97	
40 05 23 23-0009 LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	164.88	38.06
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	23.82	
For Work In Restricted Working Space, Add	21.98	
40 05 23 23-0010 LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	224.90	38.06
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	27.89	
40 05 23 23-0011 Stainless Steel Tubing And Fittings <small>(40 05 23 23)</small>		
40 05 23 23-0012 Type 304 Tubing <small>(40 05 23 23-0011)</small>		
40 05 23 23-0013 0.035" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0014 LF 1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	10.55	4.13
For Work In Restricted Working Space, Add	2.46	
40 05 23 23-0015 LF 3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	12.29	4.90
For Work In Restricted Working Space, Add	2.96	
40 05 23 23-0016 LF 1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	14.63	5.82
For Work In Restricted Working Space, Add	3.45	
40 05 23 23-0017 LF 5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	22.66	6.59
For Work In Restricted Working Space, Add	3.95	
40 05 23 23-0018 LF 3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	26.70	7.35
For Work In Restricted Working Space, Add	4.44	
40 05 23 23-0019 LF 7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	29.56	8.28
For Work In Restricted Working Space, Add	4.94	
40 05 23 23-0020 LF 1", 0.035" Wall, Type 304, Stainless Steel Tubing	33.33	9.95
For Work In Restricted Working Space, Add	5.93	
40 05 23 23-0021 0.049" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0022 LF 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	16.76	4.90
For Work In Restricted Working Space, Add	2.96	
40 05 23 23-0023 LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	18.78	5.82
For Work In Restricted Working Space, Add	3.45	
40 05 23 23-0024 LF 1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	22.45	6.59
For Work In Restricted Working Space, Add	3.95	
40 05 23 23-0025 LF 5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	28.37	8.28
For Work In Restricted Working Space, Add	4.94	
40 05 23 23-0026 LF 3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	32.65	9.95
For Work In Restricted Working Space, Add	5.93	
40 05 23 23-0027 LF 7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	36.86	11.49
For Work In Restricted Working Space, Add	6.91	
40 05 23 23-0028 LF 1", 0.049" Wall, Type 304, Stainless Steel Tubing	42.44	13.02
For Work In Restricted Working Space, Add	7.85	
40 05 23 23-0029 0.065" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030 LF 1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	19.56	5.82
For Work In Restricted Working Space, Add	3.45	
40 05 23 23-0031 LF 3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	22.50	6.59
For Work In Restricted Working Space, Add	3.95	
40 05 23 23-0032 LF 1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	27.79	8.28
For Work In Restricted Working Space, Add	4.94	
40 05 23 23-0033 LF 5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	32.76	9.95
For Work In Restricted Working Space, Add	5.93	
40 05 23 23-0034 LF 3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	38.57	11.49
For Work In Restricted Working Space, Add	6.91	
40 05 23 23-0035 LF 7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	44.26	13.02
For Work In Restricted Working Space, Add	7.85	
40 05 23 23-0036 LF 1", 0.065" Wall, Type 304, Stainless Steel Tubing	49.87	14.70
For Work In Restricted Working Space, Add	8.84	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0037	Type 304 Tube Fittings <small>(40 05 23 23-0011)</small>			
40 05 23 23-0038	90 Degree Elbows <small>(40 05 23 23-0037)</small>			
40 05 23 23-0039	EA 1/4", Type 304, Stainless Steel, 90 Degree Elbow	62.31	16.54	
	<i>For Work In Restricted Working Space, Add</i>	9.88		
40 05 23 23-0040	EA 3/8", Type 304, Stainless Steel, 90 Degree Elbow	73.08	18.08	
	<i>For Work In Restricted Working Space, Add</i>	10.81		
40 05 23 23-0041	EA 1/2", Type 304, Stainless Steel, 90 Degree Elbow	107.25	20.37	
	<i>For Work In Restricted Working Space, Add</i>	12.25		
40 05 23 23-0042	EA 5/8", Type 304, Stainless Steel, 90 Degree Elbow	115.01	22.83	
	<i>For Work In Restricted Working Space, Add</i>	13.72		
40 05 23 23-0043	EA 3/4", Type 304, Stainless Steel, 90 Degree Elbow	128.27	24.67	
	<i>For Work In Restricted Working Space, Add</i>	14.82		
40 05 23 23-0044	EA 7/8", Type 304, Stainless Steel, 90 Degree Elbow	172.53	27.42	
	<i>For Work In Restricted Working Space, Add</i>	16.41		
40 05 23 23-0045	EA 1", Type 304, Stainless Steel, 90 Degree Elbow	218.76	32.63	
	<i>For Work In Restricted Working Space, Add</i>	19.55		
40 05 23 23-0046	Union Tees <small>(40 05 23 23-0037)</small>			
40 05 23 23-0047	EA 1/4", Type 304, Stainless Steel, Union Tee	98.26	24.67	
	<i>For Work In Restricted Working Space, Add</i>	14.82		
40 05 23 23-0048	EA 3/8", Type 304, Stainless Steel, Union Tee	118.09	27.42	
	<i>For Work In Restricted Working Space, Add</i>	16.41		
40 05 23 23-0049	EA 1/2", Type 304, Stainless Steel, Union Tee	158.50	30.64	
	<i>For Work In Restricted Working Space, Add</i>	18.38		
40 05 23 23-0050	EA 5/8", Type 304, Stainless Steel, Union Tee	171.31	34.77	
	<i>For Work In Restricted Working Space, Add</i>	20.89		
40 05 23 23-0051	EA 3/4", Type 304, Stainless Steel, Union Tee	215.85	37.37	
	<i>For Work In Restricted Working Space, Add</i>	22.42		
40 05 23 23-0052	EA 7/8", Type 304, Stainless Steel, Union Tee	335.35	41.36	
	<i>For Work In Restricted Working Space, Add</i>	24.84		
40 05 23 23-0053	EA 1", Type 304, Stainless Steel, Union Tee	401.82	49.48	
	<i>For Work In Restricted Working Space, Add</i>	29.65		
40 05 23 23-0054	Unions <small>(40 05 23 23-0037)</small>			
40 05 23 23-0055	EA 1/4", Type 304, Stainless Steel, Union.....	94.37	24.67	
	<i>For Work In Restricted Working Space, Add</i>	14.82		
40 05 23 23-0056	EA 3/8", Type 304, Stainless Steel, Union.....	120.28	27.42	
	<i>For Work In Restricted Working Space, Add</i>	16.41		
40 05 23 23-0057	EA 1/2", Type 304, Stainless Steel, Union.....	159.94	30.64	
	<i>For Work In Restricted Working Space, Add</i>	18.38		
40 05 23 23-0058	EA 5/8", Type 304, Stainless Steel, Union.....	193.88	34.77	
	<i>For Work In Restricted Working Space, Add</i>	20.89		
40 05 23 23-0059	EA 3/4", Type 304, Stainless Steel, Union.....	229.58	37.37	
	<i>For Work In Restricted Working Space, Add</i>	22.42		
40 05 23 23-0060	EA 7/8", Type 304, Stainless Steel, Union.....	346.31	41.36	
	<i>For Work In Restricted Working Space, Add</i>	24.84		
40 05 23 23-0061	EA 1", Type 304, Stainless Steel, Union	370.77	49.48	
	<i>For Work In Restricted Working Space, Add</i>	29.65		
40 05 23 23-0062	Male Connectors <small>(40 05 23 23-0037)</small>			
40 05 23 23-0063	EA 1/4" x 1/4", Type 304, Stainless Steel, Male Connection	48.40	16.54	
	<i>For Work In Restricted Working Space, Add</i>	9.88		
40 05 23 23-0064	EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection	59.39	18.08	
	<i>For Work In Restricted Working Space, Add</i>	10.81		
40 05 23 23-0065	EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection	75.79	20.37	
	<i>For Work In Restricted Working Space, Add</i>	12.25		
40 05 23 23-0066	EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304.....	85.34	22.83	
	<i>For Work In Restricted Working Space, Add</i>	13.72		
40 05 23 23-0067	EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection	101.91	24.67	
	<i>For Work In Restricted Working Space, Add</i>	14.82		
40 05 23 23-0068	EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection	149.41	27.42	
	<i>For Work In Restricted Working Space, Add</i>	16.41		
40 05 23 23-0069	EA 1" x 1", Type 304, Stainless Steel, Male Connection	158.10	32.63	
	<i>For Work In Restricted Working Space, Add</i>	19.55		
40 05 23 23-0070	Type 304 Valves <small>(40 05 23 23-0011)</small>			
40 05 23 23-0071	Gate Valves <small>(40 05 23 23-0070)</small>			
40 05 23 23-0072	EA 1/4" Gate Valve, Stainless Steel Type 304	241.96	24.67	
	<i>For Work In Restricted Working Space, Add</i>	13.38		
40 05 23 23-0073	EA 3/8" Gate Valve, Stainless Steel Type 304	402.82	28.95	
	<i>For Work In Restricted Working Space, Add</i>	14.09		
40 05 23 23-0074	EA 1/2" Gate Valve, Stainless Steel Type 304	421.05	32.63	
	<i>For Work In Restricted Working Space, Add</i>	19.55		
40 05 23 23-0075	EA 3/4" Gate Valve, Stainless Steel Type 304	467.18	37.37	
	<i>For Work In Restricted Working Space, Add</i>	22.42		
40 05 23 23-0076	EA 1" Gate Valve, Stainless Steel Type 304	434.10	49.48	
	<i>For Work In Restricted Working Space, Add</i>	29.65		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0077 Globe Valves <small>(40 05 23 23-0070)</small>		
40 05 23 23-0078 EA 1/4" Globe Valve, Stainless Steel Type 304	245.19	24.67
<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 23-0079 EA 3/8" Globe Valve, Stainless Steel Type 304	165.01	28.95
<i>For Work In Restricted Working Space, Add</i>	14.09	
40 05 23 23-0080 EA 1/2" Globe Valve, Stainless Steel Type 304	293.14	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0081 EA 3/4" Globe Valve, Stainless Steel Type 304	326.70	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	
40 05 23 23-0082 EA 1" Globe Valve, Stainless Steel Type 304	474.81	49.48
<i>For Work In Restricted Working Space, Add</i>	29.65	
40 05 23 23-0083 Check Valves <small>(40 05 23 23-0070)</small>		
40 05 23 23-0084 EA 1/4" Check Valve, Stainless Steel Type 304	340.22	24.67
<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 23-0085 EA 3/8" Check Valve, Stainless Steel Type 304	342.57	28.95
<i>For Work In Restricted Working Space, Add</i>	14.09	
40 05 23 23-0086 EA 1/2" Check Valve, Stainless Steel Type 304	230.42	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0087 EA 3/4" Check Valve, Stainless Steel Type 304	242.36	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	
40 05 23 23-0088 EA 1" Check Valve, Stainless Steel Type 304	271.25	49.48
<i>For Work In Restricted Working Space, Add</i>	29.65	
40 05 23 23-0089 Plug Valves <small>(40 05 23 23-0070)</small>		
40 05 23 23-0090 EA 1/2" Plug Valve, Stainless Steel Type 304	525.57	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0091 EA 3/4" Plug Valve, Stainless Steel Type 304	576.03	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	
40 05 23 23-0092 EA 1" Plug Valve, Stainless Steel Type 304	654.69	49.48
<i>For Work In Restricted Working Space, Add</i>	29.65	
40 05 23 23-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304	904.88	55.91
<i>For Work In Restricted Working Space, Add</i>	33.54	
40 05 23 23-0094 EA 2" Plug Valve, Stainless Steel Type 304	1,179.65	76.59
<i>For Work In Restricted Working Space, Add</i>	45.95	
40 05 23 23-0095 Type 316 Tubing <small>(40 05 23 23-0011)</small>		
40 05 23 23-0096 0.035" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	10.90	4.13
<i>For Work In Restricted Working Space, Add</i>	2.46	
40 05 23 23-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	14.03	4.90
<i>For Work In Restricted Working Space, Add</i>	2.96	
40 05 23 23-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	15.69	5.82
<i>For Work In Restricted Working Space, Add</i>	3.45	
40 05 23 23-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	25.46	6.59
<i>For Work In Restricted Working Space, Add</i>	3.95	
40 05 23 23-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	28.87	7.35
<i>For Work In Restricted Working Space, Add</i>	4.44	
40 05 23 23-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	36.26	8.28
<i>For Work In Restricted Working Space, Add</i>	4.94	
40 05 23 23-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall	38.52	9.95
<i>For Work In Restricted Working Space, Add</i>	5.93	
40 05 23 23-0104 0.049" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	18.26	4.90
<i>For Work In Restricted Working Space, Add</i>	2.96	
40 05 23 23-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	20.36	5.82
<i>For Work In Restricted Working Space, Add</i>	3.45	
40 05 23 23-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	23.93	6.59
<i>For Work In Restricted Working Space, Add</i>	3.95	
40 05 23 23-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	31.09	8.28
<i>For Work In Restricted Working Space, Add</i>	4.94	
40 05 23 23-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	36.04	9.95
<i>For Work In Restricted Working Space, Add</i>	5.93	
40 05 23 23-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	45.58	11.49
<i>For Work In Restricted Working Space, Add</i>	6.91	
40 05 23 23-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall	47.02	13.02
<i>For Work In Restricted Working Space, Add</i>	7.85	
40 05 23 23-0112 0.065" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	21.35	5.82
<i>For Work In Restricted Working Space, Add</i>	3.45	
40 05 23 23-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	23.87	6.59
<i>For Work In Restricted Working Space, Add</i>	3.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	29.94 4.94	8.28
40 05 23 23-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	35.71 5.93	9.95
40 05 23 23-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	43.11 6.91	11.49
40 05 23 23-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	47.62 7.85	13.02
40 05 23 23-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	55.30 8.84	14.70
40 05 23 23-0120 Type 316 Tube Fittings <small>(40 05 23 23-0011)</small>		
40 05 23 23-0121 90 Degree Elbows <small>(40 05 23 23-0120)</small>		
40 05 23 23-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	83.52 9.88	16.54
40 05 23 23-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	99.82 10.81	18.08
40 05 23 23-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	155.20 12.25	20.37
40 05 23 23-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	165.03 13.72	22.83
40 05 23 23-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	185.21 14.82	24.67
40 05 23 23-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	257.59 16.41	27.42
40 05 23 23-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	329.64 19.55	32.63
40 05 23 23-0129 Union Tees <small>(40 05 23 23-0120)</small>		
40 05 23 23-0130 EA 1/4" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	133.53 14.82	24.67
40 05 23 23-0131 EA 3/8" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	163.85 16.41	27.42
40 05 23 23-0132 EA 1/2" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	228.70 18.38	30.64
40 05 23 23-0133 EA 5/8" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	244.73 20.89	34.77
40 05 23 23-0134 EA 3/4" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	317.73 22.42	37.37
40 05 23 23-0135 EA 7/8" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	517.68 24.84	41.36
40 05 23 23-0136 EA 1" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	620.58 29.65	49.48
40 05 23 23-0137 Unions <small>(40 05 23 23-0120)</small>		
40 05 23 23-0138 EA 1/4" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	89.00 14.82	24.67
40 05 23 23-0139 EA 3/8" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.44 16.41	27.42
40 05 23 23-0140 EA 1/2" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	148.15 18.38	30.64
40 05 23 23-0141 EA 5/8" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	179.03 20.89	34.77
40 05 23 23-0142 EA 3/4" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	211.07 22.42	37.37
40 05 23 23-0143 EA 7/8" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	314.81 24.84	41.36
40 05 23 23-0144 EA 1" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	338.26 29.65	49.48
40 05 23 23-0145 Male Connectors <small>(40 05 23 23-0120)</small>		
40 05 23 23-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	59.33 9.88	16.54
40 05 23 23-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	75.90 10.81	18.08
40 05 23 23-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	100.49 12.25	20.37
40 05 23 23-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	113.35 13.72	22.83
40 05 23 23-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	139.03 14.82	24.67
40 05 23 23-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	216.35 16.41	27.42
40 05 23 23-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	223.80 19.55	32.63
40 05 23 23-0153 Type 316 Valves <small>(40 05 23 23-0011)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0154 Gate Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0155 EA 1/4" Gate Valve, Stainless Steel Type 316	305.68	24.67
<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 23-0156 EA 3/8" Gate Valve, Stainless Steel Type 316	517.72	28.95
<i>For Work In Restricted Working Space, Add</i>	14.09	
40 05 23 23-0157 EA 1/2" Gate Valve, Stainless Steel Type 316	535.95	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0158 EA 3/4" Gate Valve, Stainless Steel Type 316	593.90	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	
40 05 23 23-0159 EA 1" Gate Valve, Stainless Steel Type 316	542.35	49.48
<i>For Work In Restricted Working Space, Add</i>	29.65	
40 05 23 23-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316	740.07	51.31
<i>For Work In Restricted Working Space, Add</i>	30.79	
40 05 23 23-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316	1,181.03	55.91
<i>For Work In Restricted Working Space, Add</i>	33.54	
40 05 23 23-0162 EA 2" Gate Valve, Stainless Steel Type 316	1,407.73	76.59
<i>For Work In Restricted Working Space, Add</i>	45.95	
40 05 23 23-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316	2,129.80	245.23
<i>For Work In Restricted Working Space, Add</i>	147.10	
40 05 23 23-0164 Globe Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0165 EA 1/4" Globe Valve, Stainless Steel Type 316	309.96	24.67
<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 23-0166 EA 3/8" Globe Valve, Stainless Steel Type 316	203.14	28.95
<i>For Work In Restricted Working Space, Add</i>	14.09	
40 05 23 23-0167 EA 1/2" Globe Valve, Stainless Steel Type 316	366.75	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0168 EA 3/4" Globe Valve, Stainless Steel Type 316	408.06	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	
40 05 23 23-0169 EA 1" Globe Valve, Stainless Steel Type 316	596.20	49.48
<i>For Work In Restricted Working Space, Add</i>	29.65	
40 05 23 23-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316	741.37	51.01
<i>For Work In Restricted Working Space, Add</i>	30.56	
40 05 23 23-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316	1,223.80	55.91
<i>For Work In Restricted Working Space, Add</i>	33.54	
40 05 23 23-0172 EA 2" Globe Valve, Stainless Steel Type 316	1,450.50	76.59
<i>For Work In Restricted Working Space, Add</i>	45.95	
40 05 23 23-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316	1,858.93	245.23
<i>For Work In Restricted Working Space, Add</i>	147.10	
40 05 23 23-0174 Check Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0175 EA 1/4" Check Valve, Stainless Steel Type 316	435.66	24.67
<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 23-0176 EA 3/8" Check Valve, Stainless Steel Type 316	438.01	28.95
<i>For Work In Restricted Working Space, Add</i>	14.09	
40 05 23 23-0177 EA 1/2" Check Valve, Stainless Steel Type 316	283.78	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0178 EA 3/4" Check Valve, Stainless Steel Type 316	296.48	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	
40 05 23 23-0179 EA 1" Check Valve, Stainless Steel Type 316	326.92	49.48
<i>For Work In Restricted Working Space, Add</i>	29.65	
40 05 23 23-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316	447.35	51.31
<i>For Work In Restricted Working Space, Add</i>	30.79	
40 05 23 23-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316	981.44	55.91
<i>For Work In Restricted Working Space, Add</i>	33.54	
40 05 23 23-0182 EA 2" Check Valve, Stainless Steel Type 316	1,193.89	76.59
<i>For Work In Restricted Working Space, Add</i>	45.95	
40 05 23 23-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316	2,391.16	245.23
<i>For Work In Restricted Working Space, Add</i>	147.10	
40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 23-0153)</small>		
40 05 23 23-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	470.46	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	549.39	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	
40 05 23 23-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	701.18	49.48
<i>For Work In Restricted Working Space, Add</i>	29.65	
40 05 23 23-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,111.12	55.91
<i>For Work In Restricted Working Space, Add</i>	33.54	
40 05 23 23-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,552.22	76.59
<i>For Work In Restricted Working Space, Add</i>	45.95	
40 05 23 23-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 23-0153)</small>		
40 05 23 23-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	620.35	32.63
<i>For Work In Restricted Working Space, Add</i>	19.55	
40 05 23 23-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	713.17	37.37
<i>For Work In Restricted Working Space, Add</i>	22.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	864.96 29.65	49.48
40 05 23 23-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,341.51 33.54	55.91
40 05 23 23-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,827.02 45.95	76.59
40 05 23 23-0196 Strainers (40 05 23 23-0153)		
40 05 23 23-0197 EA 1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	621.80 19.55	32.63
40 05 23 23-0198 EA 3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	743.75 22.52	37.53
40 05 23 23-0199 EA 1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	973.32 29.87	49.78
40 05 23 23-0200 EA 1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,205.79 30.79	51.31
40 05 23 23-0201 EA 1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,511.22 33.55	55.91
40 05 23 23-0202 EA 2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,178.30 45.96	76.59
40 05 23 23-0203 EA 2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,992.69 61.12	101.86
40 05 23 23-0204 EA 3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,359.46 91.91	153.18
40 05 23 23-0205 EA 4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,593.14 147.04	245.08
40 05 23 23-0206 Plug Valves (40 05 23 23-0153)		
40 05 23 23-0207 EA 1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	662.03 19.55	32.63
40 05 23 23-0208 EA 3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	724.62 22.42	37.37
40 05 23 23-0209 EA 1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	819.46 29.65	49.48
40 05 23 23-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,139.96 33.54	55.91
40 05 23 23-0211 EA 2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,483.91 45.95	76.59
40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place (40 05 23 23-0011)		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe.....	30.63	
40 05 23 23-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe.....	33.08	
40 05 23 23-0215 EA Cut And Prepare 1" Stainless Steel Pipe.....	37.21	
40 05 23 23-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe.....	39.05	
40 05 23 23-0217 EA Cut And Prepare 1-1/2" Stainless Steel Pipe.....	41.34	
40 05 23 23-0218 EA Cut And Prepare 2" Stainless Steel Pipe.....	44.40	
40 05 23 23-0219 EA Cut And Prepare 2-1/2" Stainless Steel Pipe.....	47.48	
40 05 23 23-0220 EA Cut And Prepare 3" Stainless Steel Pipe.....	52.06	
40 05 23 23-0221 EA Cut And Prepare 4" Stainless Steel Pipe.....	56.65	
40 05 23 23-0222 EA Cut And Prepare 6" Stainless Steel Pipe.....	61.25	
40 05 23 23-0223 EA Cut And Prepare 8" Stainless Steel Pipe.....	65.84	
40 05 23 23-0224 EA Cut And Prepare 10" Stainless Steel Pipe.....	71.97	
40 05 23 23-0225 EA Cut And Prepare 12" Stainless Steel Pipe.....	78.10	
40 05 23 23-0226 EA Cut And Prepare 14" Stainless Steel Pipe.....	84.22	
40 05 23 23-0227 EA Cut And Prepare 16" Stainless Steel Pipe.....	90.35	
40 05 23 23-0228 EA Cut And Prepare 18" Stainless Steel Pipe.....	94.94	
40 05 23 23-0229 EA Cut And Prepare 20" Stainless Steel Pipe.....	99.54	
40 05 23 23-0230 EA Cut And Prepare 24" Stainless Steel Pipe.....	105.66	
40 05 23 23-0231 Stainless Steel Pipe And Fittings (40 05 23 23)		
40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)		
40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)		
40 05 23 23-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	22.45 3.95	6.59
40 05 23 23-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	27.64 4.94	8.28
40 05 23 23-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	33.97 5.93	9.95
40 05 23 23-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	40.78 6.91	11.49
40 05 23 23-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.16 7.85	13.02
40 05 23 23-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	60.23 9.88	16.54
40 05 23 23-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	81.41 11.78	19.61

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	102.33 14.82	24.67
40 05 23 23-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	138.44 19.55	32.63
40 05 23 23-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0232)		
40 05 23 23-0244 EA 1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	52.74 14.82	24.67
40 05 23 23-0245 EA 3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	69.94 19.55	32.63
40 05 23 23-0246 EA 1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	89.73 24.84	41.36
40 05 23 23-0247 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	125.31 34.04	56.68
40 05 23 23-0248 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	148.98 39.96	66.64
40 05 23 23-0249 EA 2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.27 48.37	80.57
40 05 23 23-0250 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	300.92 76.59	127.60
40 05 23 23-0251 EA 3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	387.53 98.83	164.66
40 05 23 23-0252 EA 4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	521.88 122.54	204.19
40 05 23 23-0253 150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0232)		
40 05 23 23-0254 EA 1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	53.51 14.82	24.67
40 05 23 23-0255 EA 3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	71.18 19.55	32.63
40 05 23 23-0256 EA 1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	90.12 24.84	41.36
40 05 23 23-0257 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	125.16 34.04	56.68
40 05 23 23-0258 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.15 39.96	66.64
40 05 23 23-0259 EA 2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	180.85 48.37	80.57
40 05 23 23-0260 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	309.23 76.59	127.60
40 05 23 23-0261 EA 3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	403.74 98.83	164.66
40 05 23 23-0262 EA 4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	540.76 122.54	204.19
40 05 23 23-0263 150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)		
40 05 23 23-0264 EA 1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	79.25 22.42	37.37
40 05 23 23-0265 EA 3/4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	106.00 29.65	49.48
40 05 23 23-0266 EA 1", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	131.68 36.76	61.28
40 05 23 23-0267 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	188.36 51.06	85.17
40 05 23 23-0268 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	214.07 57.44	95.73
40 05 23 23-0269 EA 2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	284.32 76.59	127.60
40 05 23 23-0270 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	431.33 110.73	184.58
40 05 23 23-0271 EA 3", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	583.80 148.24	247.07
40 05 23 23-0272 EA 4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	774.68 183.81	306.36
40 05 23 23-0273 150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)		
40 05 23 23-0274 EA 3/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	69.37 19.55	32.63
40 05 23 23-0275 EA 1", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	88.51 24.84	41.36
40 05 23 23-0276 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	121.83 34.04	56.68
40 05 23 23-0277 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	145.25 39.96	66.64
40 05 23 23-0278 EA 2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	181.36 48.37	80.57
40 05 23 23-0279 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	298.46 76.59	127.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0280 EA 3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	390.88 98.83	164.66
40 05 23 23-0281 EA 4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	510.29 122.54	204.19
40 05 23 23-0282 150#, Type 304 Stainless Steel Threaded Caps <small>(40 05 23 23-0232)</small>		
40 05 23 23-0283 EA 1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	26.93 7.41	12.41
40 05 23 23-0284 EA 3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	35.72 9.88	16.54
40 05 23 23-0285 EA 1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	45.00 12.25	20.37
40 05 23 23-0286 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	65.35 17.34	28.95
40 05 23 23-0287 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	75.07 19.55	32.63
40 05 23 23-0288 EA 2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	95.39 24.84	41.36
40 05 23 23-0289 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	145.28 36.76	61.28
40 05 23 23-0290 EA 3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	192.68 48.37	80.57
40 05 23 23-0291 EA 4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	257.44 61.27	102.17
40 05 23 23-0292 150#, Type 304 Stainless Steel Threaded Unions <small>(40 05 23 23-0232)</small>		
40 05 23 23-0293 EA 1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	84.07 22.42	37.37
40 05 23 23-0294 EA 3/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	110.67 29.65	49.48
40 05 23 23-0295 EA 1", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	140.44 36.76	61.28
40 05 23 23-0296 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	201.24 51.06	85.17
40 05 23 23-0297 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	226.56 57.44	95.73
40 05 23 23-0298 EA 2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	297.33 76.59	127.60
40 05 23 23-0299 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	496.78 114.89	191.47
40 05 23 23-0300 EA 3", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	637.49 148.25	247.07
40 05 23 23-0301 EA 4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	641.21 122.56	204.26
40 05 23 23-0302 150#, Type 304 Stainless Steel Threaded Couplings <small>(40 05 23 23-0232)</small>		
40 05 23 23-0303 EA 1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	52.42 14.82	24.67
40 05 23 23-0304 EA 3/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	69.52 19.55	32.63
40 05 23 23-0305 EA 1", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	89.39 24.84	41.36
40 05 23 23-0306 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	123.95 34.04	56.68
40 05 23 23-0307 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	145.65 39.96	66.64
40 05 23 23-0308 EA 2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	178.80 48.37	80.57
40 05 23 23-0309 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	293.83 76.59	127.60
40 05 23 23-0310 EA 3", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	379.22 98.83	164.66
40 05 23 23-0311 EA 4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	485.88 122.54	204.19
40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings <small>(40 05 23 23-0231)</small>		
40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe <small>(40 05 23 23-0312)</small>		
40 05 23 23-0314 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	27.37 3.95	6.59
40 05 23 23-0315 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	32.49 4.94	8.28
40 05 23 23-0316 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	40.94 5.93	9.95
40 05 23 23-0317 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	49.89 6.91	11.49
40 05 23 23-0318 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	57.95 7.85	13.02

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0319 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	74.68 9.88	16.54
40 05 23 23-0320 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	101.60 11.78	19.61
40 05 23 23-0321 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	132.45 14.82	24.67
40 05 23 23-0322 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	177.64 19.55	32.63
40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0324 EA 1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	53.75 14.82	24.67
40 05 23 23-0325 EA 3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	71.44 19.55	32.63
40 05 23 23-0326 EA 1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	90.65 24.84	41.36
40 05 23 23-0327 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	126.96 34.04	56.68
40 05 23 23-0328 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	151.18 39.96	66.64
40 05 23 23-0329 EA 2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	183.98 48.37	80.57
40 05 23 23-0330 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	305.25 76.59	127.60
40 05 23 23-0331 EA 3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	398.15 98.83	164.66
40 05 23 23-0332 EA 4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	534.78 122.54	204.19
40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0334 EA 1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	54.56 14.82	24.67
40 05 23 23-0335 EA 3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	71.95 19.55	32.63
40 05 23 23-0336 EA 1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	91.25 24.84	41.36
40 05 23 23-0337 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	126.79 34.04	56.68
40 05 23 23-0338 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	149.05 39.96	66.64
40 05 23 23-0339 EA 2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	183.39 48.37	80.57
40 05 23 23-0340 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	313.30 76.59	127.60
40 05 23 23-0341 EA 3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	413.14 98.83	164.66
40 05 23 23-0342 EA 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	566.11 122.54	204.19
40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees (40 05 23 23-0312)		
40 05 23 23-0344 EA 1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	80.32 22.42	37.37
40 05 23 23-0345 EA 3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	107.08 29.65	49.48
40 05 23 23-0346 EA 1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	132.90 36.76	61.28
40 05 23 23-0347 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	190.84 51.06	85.17
40 05 23 23-0348 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	216.52 57.44	95.73
40 05 23 23-0349 EA 2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	287.55 76.59	127.60
40 05 23 23-0350 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	444.51 110.73	184.58
40 05 23 23-0351 EA 3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	601.76 148.24	247.07
40 05 23 23-0352 EA 4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	788.07 183.81	306.36
40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)		
40 05 23 23-0354 EA 3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	70.28 19.55	32.63
40 05 23 23-0355 EA 1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	91.23 24.84	41.36
40 05 23 23-0356 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	122.34 34.04	56.68
40 05 23 23-0357 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	147.91 39.96	66.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	186.03 48.37	80.57
40 05 23 23-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	309.10 76.59	127.60
40 05 23 23-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	402.63 98.83	164.66
40 05 23 23-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	529.87 122.54	204.19
40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)		
40 05 23 23-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	27.53 7.41	12.41
40 05 23 23-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	36.16 9.88	16.54
40 05 23 23-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	45.79 12.25	20.37
40 05 23 23-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	67.55 17.34	28.95
40 05 23 23-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	77.67 19.55	32.63
40 05 23 23-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	98.79 24.84	41.36
40 05 23 23-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	150.90 36.76	61.28
40 05 23 23-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	198.38 48.37	80.57
40 05 23 23-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	268.76 61.27	102.17
40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)		
40 05 23 23-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	85.36 22.42	37.37
40 05 23 23-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	115.52 29.65	49.48
40 05 23 23-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	142.89 36.76	61.28
40 05 23 23-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	205.41 51.06	85.17
40 05 23 23-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	231.43 57.44	95.73
40 05 23 23-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	302.97 76.59	127.60
40 05 23 23-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	505.43 114.89	191.47
40 05 23 23-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	664.45 148.25	247.07
40 05 23 23-0381 EA 4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	698.66 122.56	204.26
40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)		
40 05 23 23-0383 EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	54.45 14.82	24.67
40 05 23 23-0384 EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	70.46 19.55	32.63
40 05 23 23-0385 EA 1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	90.29 24.84	41.36
40 05 23 23-0386 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	125.38 34.04	56.68
40 05 23 23-0387 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	147.36 39.96	66.64
40 05 23 23-0388 EA 2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	181.17 48.37	80.57
40 05 23 23-0389 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	302.11 76.59	127.60
40 05 23 23-0390 EA 3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	389.90 98.83	164.66
40 05 23 23-0391 EA 4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	501.89 122.54	204.19
40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)		
40 05 23 23-0394 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.88 3.85	6.42
40 05 23 23-0395 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	29.63 4.71	7.85
40 05 23 23-0396 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.16 5.52	9.27

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0397 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	47.82 6.90	11.56
40 05 23 23-0398 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	53.22 7.78	12.99
40 05 23 23-0399 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	65.83 9.64	16.12
40 05 23 23-0400 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	78.63 11.02	18.41
40 05 23 23-0401 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	92.71 12.41	20.69
40 05 23 23-0402 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	116.31 14.68	24.54
40 05 23 23-0403 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	169.44 19.28	32.24
40 05 23 23-0404 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	272.06 33.31	51.83
40 05 23 23-0405 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	348.89 36.64	56.99
40 05 23 23-0406 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	418.33 40.71	63.37
40 05 23 23-0407 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	515.69 45.80	71.23
40 05 23 23-0408 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	567.36 52.34	81.41
40 05 23 23-0409 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	635.11 61.06	94.98
40 05 23 23-0410 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	884.49 73.27	113.98
40 05 23 23-0411 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	1,154.46 91.59	142.48
40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow (40 05 23 23- 0392)		
40 05 23 23-0413 EA 1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	168.10 48.79	73.19
40 05 23 23-0414 EA 3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.11 51.80	77.69
40 05 23 23-0415 EA 1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	196.17 56.92	85.39
40 05 23 23-0416 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	214.04 62.04	93.06
40 05 23 23-0417 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	236.41 68.51	102.76
40 05 23 23-0418 EA 2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	264.02 76.22	114.33
40 05 23 23-0419 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	342.20 97.55	146.32
40 05 23 23-0420 EA 3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	401.35 114.33	171.50
40 05 23 23-0421 EA 4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	489.25 136.84	205.26
40 05 23 23-0422 EA 6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	658.54 170.95	256.41
40 05 23 23-0423 EA 8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,035.10 261.69	392.53
40 05 23 23-0424 EA 10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,512.29 348.91	523.36
40 05 23 23-0425 EA 12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,282.66 523.37	785.05
40 05 23 23-0426 EA 14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,695.76 610.60	915.90
40 05 23 23-0427 EA 16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,158.04 696.50	1,044.75
40 05 23 23-0428 EA 18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,988.05 872.28	1,308.43
40 05 23 23-0429 EA 20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,562.13 1,221.20	1,831.80
40 05 23 23-0430 EA 24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,981.23 1,744.56	2,616.85
40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23- 0392)		
40 05 23 23-0432 EA 1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	169.71 48.79	73.19
40 05 23 23-0433 EA 3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	179.72 51.80	77.69
40 05 23 23-0434 EA 1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	198.10 56.92	85.39
40 05 23 23-0435 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	216.61 62.04	93.06
40 05 23 23-0436 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	236.73 68.51	102.76



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	
Stainless Steel Process Pipe and Tubing 40 05 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	264.02 76.22	114.33
40 05 23	23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	340.59 97.55	146.32
40 05 23	23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	398.46 114.33	171.50
40 05 23	23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	483.78 136.84	205.26
40 05 23	23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	629.93 170.95	256.41
40 05 23	23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	979.91 261.69	392.53
40 05 23	23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,414.05 348.91	523.36
40 05 23	23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,127.12 523.37	785.05
40 05 23	23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,504.86 610.60	915.90
40 05 23	23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,922.42 696.50	1,044.75
40 05 23	23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,678.64 872.28	1,308.43
40 05 23	23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,144.62 1,221.20	1,831.80
40 05 23	23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,388.96 1,744.56	2,616.85
40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee <small>(40 05 23 23-0392)</small>					
40 05 23	23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	224.41 62.02	93.03
40 05 23	23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	271.46 76.13	114.21
40 05 23	23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	302.82 85.54	128.31
40 05 23	23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	344.80 97.55	146.32
40 05 23	23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	366.72 104.71	157.07
40 05 23	23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	399.67 114.21	171.30
40 05 23	23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	509.66 136.84	205.26
40 05 23	23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	606.36 171.49	257.24
40 05 23	23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	693.63 192.47	288.71
40 05 23	23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	993.96 256.63	384.93
40 05 23	23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,489.73 348.91	523.36
40 05 23	23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,282.66 523.37	785.05
40 05 23	23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,928.14 654.21	981.31
40 05 23	23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,595.15 786.18	1,179.27
40 05 23	23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,357.43 959.05	1,438.58
40 05 23	23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,544.98 1,221.20	1,831.80
40 05 23	23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	7,405.49 1,606.84	2,410.26
40 05 23	23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	11,114.30 2,442.39	3,663.59
40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0392)</small>					
40 05 23	23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	204.22 51.82	77.72
40 05 23	23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	243.15 63.50	95.24
40 05 23	23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	295.32 71.34	107.01
40 05 23	23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	310.64 81.33	121.99
40 05 23	23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	326.99 87.39	131.08
40 05 23	23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	414.23 95.24	142.86
40 05 23	23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	489.19 114.16	171.23
40 05 23	23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	604.19 142.68	214.03

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	780.67 163.03	244.55
40 05 23 23-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,354.55 218.07	327.10
40 05 23 23-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,207.54 290.76	436.14
40 05 23 23-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,161.86 436.14	654.21
40 05 23 23-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,834.24 523.97	785.96
40 05 23 23-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,745.06 639.15	958.72
40 05 23 23-0484 EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,123.28 814.13	1,221.19
40 05 23 23-0485 EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,676.59 1,071.23	1,606.84
40 05 23 23-0486 EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	13,554.72 1,626.82	2,440.22
40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0392)		
40 05 23 23-0488 EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	168.00 47.12	70.68
40 05 23 23-0489 EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	184.66 51.35	77.02
40 05 23 23-0490 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	204.70 56.92	85.39
40 05 23 23-0491 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	218.68 62.04	93.06
40 05 23 23-0492 EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	238.98 68.51	102.76
40 05 23 23-0493 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	316.87 85.61	128.42
40 05 23 23-0494 EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	358.63 97.46	146.20
40 05 23 23-0495 EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	419.33 114.21	171.30
40 05 23 23-0496 EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	539.94 145.40	218.09
40 05 23 23-0497 EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	786.63 209.35	314.03
40 05 23 23-0498 EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	999.00 261.69	392.53
40 05 23 23-0499 EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,342.53 348.91	523.36
40 05 23 23-0500 EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,899.80 457.95	686.93
40 05 23 23-0501 EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,216.63 521.88	782.81
40 05 23 23-0502 EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,733.04 654.21	981.31
40 05 23 23-0503 EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,820.08 872.28	1,308.43
40 05 23 23-0504 EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,526.66 1,308.43	1,962.64
40 05 23 23-0505 EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	198.22 47.12	70.68
40 05 23 23-0506 EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	206.84 51.35	77.02
40 05 23 23-0507 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	219.90 56.92	85.39
40 05 23 23-0508 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	246.33 62.04	93.06
40 05 23 23-0509 EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	258.91 68.51	102.76
40 05 23 23-0510 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	338.73 85.61	128.42
40 05 23 23-0511 EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	380.17 97.46	146.20
40 05 23 23-0512 EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	435.99 114.21	171.30
40 05 23 23-0513 EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	600.05 145.40	218.09
40 05 23 23-0514 EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	915.49 209.35	314.03
40 05 23 23-0515 EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,250.35 261.69	392.53
40 05 23 23-0516 EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,574.77 348.91	523.36
40 05 23 23-0517 EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,435.57 457.95	686.93
40 05 23 23-0518 EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,830.54 521.88	782.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				40 05 23 23-0519 EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	3,482.29	981.31
				For Work In Restricted Working Space, Add	654.21	
				40 05 23 23-0520 EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	5,020.72	1,308.43
				For Work In Restricted Working Space, Add	872.28	
				40 05 23 23-0521 EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	7,117.89	1,962.64
				For Work In Restricted Working Space, Add	1,308.43	
40 05 23 23-0522				Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)		
				40 05 23 23-0523 EA 1/2", Type 304, Schedule 10 Stainless Steel Cap	91.29	36.60
				For Work In Restricted Working Space, Add	24.40	
				40 05 23 23-0524 EA 3/4", Type 304, Schedule 10 Stainless Steel Cap	99.82	38.84
				For Work In Restricted Working Space, Add	25.90	
				40 05 23 23-0525 EA 1", Type 304, Schedule 10 Stainless Steel Cap	109.66	42.69
				For Work In Restricted Working Space, Add	28.46	
				40 05 23 23-0526 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Cap	120.60	46.53
				For Work In Restricted Working Space, Add	31.02	
				40 05 23 23-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap	129.94	51.38
				For Work In Restricted Working Space, Add	34.26	
				40 05 23 23-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap	140.85	57.16
				For Work In Restricted Working Space, Add	38.11	
				40 05 23 23-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap	182.52	73.16
				For Work In Restricted Working Space, Add	48.78	
				40 05 23 23-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap	207.60	85.75
				For Work In Restricted Working Space, Add	57.17	
				40 05 23 23-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap	249.94	102.64
				For Work In Restricted Working Space, Add	68.42	
				40 05 23 23-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap	321.05	128.42
				For Work In Restricted Working Space, Add	85.61	
				40 05 23 23-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap	500.37	196.26
				For Work In Restricted Working Space, Add	130.84	
				40 05 23 23-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap	666.38	261.69
				For Work In Restricted Working Space, Add	174.46	
				40 05 23 23-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap	982.87	392.52
				For Work In Restricted Working Space, Add	261.69	
				40 05 23 23-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap	1,153.19	457.94
				For Work In Restricted Working Space, Add	305.30	
				40 05 23 23-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap	1,335.62	522.37
				For Work In Restricted Working Space, Add	348.25	
				40 05 23 23-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap	1,685.98	654.21
				For Work In Restricted Working Space, Add	436.14	
				40 05 23 23-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap	2,330.52	915.90
				For Work In Restricted Working Space, Add	610.60	
				40 05 23 23-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap	3,427.76	1,308.42
				For Work In Restricted Working Space, Add	872.28	
40 05 23 23-0541				Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0542				Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)		
				40 05 23 23-0543 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	27.83	6.42
				For Work In Restricted Working Space, Add	3.85	
				40 05 23 23-0544 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	33.82	7.85
				For Work In Restricted Working Space, Add	4.71	
				40 05 23 23-0545 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	41.42	9.27
				For Work In Restricted Working Space, Add	5.52	
				40 05 23 23-0546 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	51.77	11.42
				For Work In Restricted Working Space, Add	6.90	
				40 05 23 23-0547 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	59.63	12.84
				For Work In Restricted Working Space, Add	7.78	
				40 05 23 23-0548 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	76.39	16.41
				For Work In Restricted Working Space, Add	9.64	
				40 05 23 23-0549 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	94.74	18.55
				For Work In Restricted Working Space, Add	11.02	
				40 05 23 23-0550 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	92.42	20.69
				For Work In Restricted Working Space, Add	12.41	
				40 05 23 23-0551 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	152.22	24.25
				For Work In Restricted Working Space, Add	14.68	
				40 05 23 23-0552 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	236.81	32.10
				For Work In Restricted Working Space, Add	19.28	
				40 05 23 23-0553 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	406.81	51.56
				For Work In Restricted Working Space, Add	33.31	
				40 05 23 23-0554 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	516.51	56.99
				For Work In Restricted Working Space, Add	36.64	
				40 05 23 23-0555 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	645.11	63.09
				For Work In Restricted Working Space, Add	40.71	
40 05 23 23-0556				Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)		
				40 05 23 23-0557 EA 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	169.39	73.19
				For Work In Restricted Working Space, Add	48.79	
				40 05 23 23-0558 EA 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	179.40	77.69
				For Work In Restricted Working Space, Add	51.80	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0559 EA 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	197.13 56.92	85.39
40 05 23 23-0560 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	214.74 62.04	93.06
40 05 23 23-0561 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	237.05 68.51	102.76
40 05 23 23-0562 EA 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	266.28 76.22	114.33
40 05 23 23-0563 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	350.55 97.55	146.32
40 05 23 23-0564 EA 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	413.57 114.33	171.50
40 05 23 23-0565 EA 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	509.82 136.84	205.26
40 05 23 23-0566 EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	790.01 170.95	256.41
40 05 23 23-0567 EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,214.25 261.69	392.53
40 05 23 23-0568 EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,875.77 348.91	523.36
40 05 23 23-0569 EA 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,754.10 523.37	785.05
40 05 23 23-0570 EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,267.69 610.60	915.90
40 05 23 23-0571 EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,892.76 696.50	1,044.75
40 05 23 23-0572 EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,008.93 872.28	1,308.43
40 05 23 23-0573 EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,822.17 1,221.20	1,831.80
40 05 23 23-0574 EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	9,778.88 1,744.56	2,616.85
40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 23-0541)</small>		
40 05 23 23-0576 EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	171.64 48.79	73.19
40 05 23 23-0577 EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	181.65 51.80	77.69
40 05 23 23-0578 EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	198.74 56.92	85.39
40 05 23 23-0579 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	216.37 62.04	93.06
40 05 23 23-0580 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	238.66 68.51	102.76
40 05 23 23-0581 EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	266.62 76.22	114.33
40 05 23 23-0582 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	350.55 97.55	146.32
40 05 23 23-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	404.57 114.33	171.50
40 05 23 23-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	514.64 136.84	205.26
40 05 23 23-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	680.40 170.95	256.41
40 05 23 23-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,099.33 261.69	392.53
40 05 23 23-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,588.68 348.91	523.36
40 05 23 23-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,330.58 523.37	785.05
40 05 23 23-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,648.34 610.60	915.90
40 05 23 23-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,155.34 696.50	1,044.75
40 05 23 23-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,980.15 872.28	1,308.43
40 05 23 23-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,433.99 1,221.20	1,831.80
40 05 23 23-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,880.29 1,744.56	2,616.85
40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees <small>(40 05 23 23-0541)</small>		
40 05 23 23-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	225.70 62.02	93.03
40 05 23 23-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	272.75 76.13	114.21
40 05 23 23-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	304.11 85.54	128.31
40 05 23 23-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	348.07 97.55	146.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	368.01 104.71	157.07
40 05 23 23-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	401.27 114.21	171.30
40 05 23 23-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	514.00 136.84	205.26
40 05 23 23-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	613.11 171.49	257.24
40 05 23 23-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	701.03 192.47	288.71
40 05 23 23-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,045.07 256.63	384.93
40 05 23 23-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,641.43 348.91	523.36
40 05 23 23-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,748.22 523.37	785.05
40 05 23 23-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,419.03 654.21	981.31
40 05 23 23-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,584.31 786.18	1,179.27
40 05 23 23-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,801.53 959.05	1,438.58
40 05 23 23-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,505.72 1,221.20	1,831.80
40 05 23 23-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,705.40 1,606.84	2,410.26
40 05 23 23-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	14,849.62 2,442.39	3,663.59
40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0541)</small>		
40 05 23 23-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	208.40 51.82	77.72
40 05 23 23-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	247.33 63.50	95.24
40 05 23 23-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	315.42 71.34	107.01
40 05 23 23-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	316.75 81.33	121.99
40 05 23 23-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	326.99 87.39	131.08
40 05 23 23-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	393.68 95.24	142.86
40 05 23 23-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	443.86 114.16	171.23
40 05 23 23-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	580.40 142.68	214.03
40 05 23 23-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	784.52 163.03	244.55
40 05 23 23-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,218.12 218.07	327.10
40 05 23 23-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,250.23 290.76	436.14
40 05 23 23-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,247.26 436.14	654.21
40 05 23 23-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,714.41 523.97	785.96
40 05 23 23-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,594.99 639.15	958.72
40 05 23 23-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,927.58 814.13	1,221.19
40 05 23 23-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,383.52 1,071.23	1,606.84
40 05 23 23-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	13,087.95 1,626.82	2,440.22
40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0541)</small>		
40 05 23 23-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	171.21 47.12	70.68
40 05 23 23-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	187.88 51.35	77.02
40 05 23 23-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	204.94 56.92	85.39
40 05 23 23-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	221.90 62.04	93.06
40 05 23 23-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	240.91 68.51	102.76
40 05 23 23-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	316.87 85.61	128.42
40 05 23 23-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	347.06 97.46	146.20
40 05 23 23-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	402.88 114.21	171.30

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	542.51 145.40	218.09
40 05 23 23-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	841.22 209.35	314.03
40 05 23 23-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,092.74 261.69	392.53
40 05 23 23-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,426.18 348.91	523.36
40 05 23 23-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,087.55 457.95	686.93
40 05 23 23-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,452.65 521.88	782.81
40 05 23 23-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,210.99 654.21	981.31
40 05 23 23-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,383.86 872.28	1,308.43
40 05 23 23-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	6,110.51 1,308.43	1,962.64
40 05 23 23-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	199.52 47.12	70.68
40 05 23 23-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	213.59 51.35	77.02
40 05 23 23-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	243.04 56.92	85.39
40 05 23 23-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	258.22 62.04	93.06
40 05 23 23-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	277.23 68.51	102.76
40 05 23 23-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	338.73 85.61	128.42
40 05 23 23-0655 EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	420.03 97.46	146.20
40 05 23 23-0656 EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	462.99 114.21	171.30
40 05 23 23-0657 EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	626.73 145.40	218.09
40 05 23 23-0658 EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	918.28 209.35	314.03
40 05 23 23-0659 EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,247.92 261.69	392.53
40 05 23 23-0660 EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,701.14 348.91	523.36
40 05 23 23-0661 EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,761.50 457.95	686.93
40 05 23 23-0662 EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,132.84 521.88	782.81
40 05 23 23-0663 EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,090.96 654.21	981.31
40 05 23 23-0664 EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,321.11 872.28	1,308.43
40 05 23 23-0665 EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	8,449.31 1,308.43	1,962.64
40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)		
40 05 23 23-0667 EA 1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	92.26 24.40	36.60
40 05 23 23-0668 EA 3/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	98.86 25.90	38.84
40 05 23 23-0669 EA 1", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	110.62 28.46	42.69
40 05 23 23-0670 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	124.90 31.02	46.53
40 05 23 23-0671 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	134.12 34.26	51.38
40 05 23 23-0672 EA 2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	140.53 38.11	57.16
40 05 23 23-0673 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	180.36 48.78	73.16
40 05 23 23-0674 EA 3", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	208.88 57.17	85.75
40 05 23 23-0675 EA 4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	253.80 68.42	102.64
40 05 23 23-0676 EA 6", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	344.84 85.61	128.42
40 05 23 23-0677 EA 8", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	538.56 130.84	196.26
40 05 23 23-0678 EA 10", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	720.38 174.46	261.69
40 05 23 23-0679 EA 12", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,085.79 261.69	392.52
40 05 23 23-0680 EA 14", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,247.47 305.30	457.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0681 EA 16", Type 304, Schedule 40 Stainless Steel Cap For Work In Restricted Working Space, Add	1,465.32 348.25	522.37
40 05 23 23-0682 EA 18", Type 304, Schedule 40 Stainless Steel Cap For Work In Restricted Working Space, Add	1,839.70 436.14	654.21
40 05 23 23-0683 EA 20", Type 304, Schedule 40 Stainless Steel Cap For Work In Restricted Working Space, Add	2,535.51 610.60	915.90
40 05 23 23-0684 EA 24", Type 304, Schedule 40 Stainless Steel Cap For Work In Restricted Working Space, Add	3,770.49 872.28	1,308.42
40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)		
40 05 23 23-0687 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	28.64 3.85	6.42
40 05 23 23-0688 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	33.98 4.71	7.85
40 05 23 23-0689 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	45.64 5.52	9.27
40 05 23 23-0690 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	55.57 6.90	11.56
40 05 23 23-0691 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	61.74 7.78	12.99
40 05 23 23-0692 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	76.35 9.64	16.12
40 05 23 23-0693 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	91.72 11.02	18.41
40 05 23 23-0694 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	108.75 12.41	20.69
40 05 23 23-0695 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	137.36 14.68	24.54
40 05 23 23-0696 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	202.28 19.28	32.24
40 05 23 23-0697 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	322.35 33.31	51.83
40 05 23 23-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	419.71 36.64	56.99
40 05 23 23-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	506.60 40.71	63.37
40 05 23 23-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	629.07 45.80	71.23
40 05 23 23-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	690.06 52.34	81.41
40 05 23 23-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	769.88 61.06	94.98
40 05 23 23-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	1,084.44 73.27	113.98
40 05 23 23-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	1,419.65 91.59	142.48
40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0685)		
40 05 23 23-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	169.71 48.79	73.19
40 05 23 23-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	179.72 51.80	77.69
40 05 23 23-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	198.10 56.92	85.39
40 05 23 23-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	216.84 62.04	93.06
40 05 23 23-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	238.33 68.51	102.76
40 05 23 23-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	266.28 76.22	114.33
40 05 23 23-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	346.38 97.55	146.32
40 05 23 23-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	407.46 114.33	171.50
40 05 23 23-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	498.57 136.84	205.26
40 05 23 23-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	682.97 170.95	256.41
40 05 23 23-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	1,080.59 261.69	392.53
40 05 23 23-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	1,617.46 348.91	523.36
40 05 23 23-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	2,426.05 523.37	785.05
40 05 23 23-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	2,830.69 610.60	915.90
40 05 23 23-0720 EA 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow For Work In Restricted Working Space, Add	3,371.46 696.50	1,044.75

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0721 EA 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,243.97 872.28	1,308.43
40 05 23 23-0722 EA 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,927.70 1,221.20	1,831.80
40 05 23 23-0723 EA 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,524.44 1,744.56	2,616.85
40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0685)		
40 05 23 23-0725 EA 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	171.64 48.79	73.19
40 05 23 23-0726 EA 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	181.65 51.80	77.69
40 05 23 23-0727 EA 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	200.03 56.92	85.39
40 05 23 23-0728 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	219.41 62.04	93.06
40 05 23 23-0729 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	238.33 68.51	102.76
40 05 23 23-0730 EA 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	266.28 76.22	114.33
40 05 23 23-0731 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	344.45 97.55	146.32
40 05 23 23-0732 EA 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	404.57 114.33	171.50
40 05 23 23-0733 EA 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	491.82 136.84	205.26
40 05 23 23-0734 EA 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	643.11 170.95	256.41
40 05 23 23-0735 EA 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,009.07 261.69	392.53
40 05 23 23-0736 EA 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,588.68 348.91	523.36
40 05 23 23-0737 EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,330.58 523.37	785.05
40 05 23 23-0738 EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,741.23 610.60	915.90
40 05 23 23-0739 EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,207.43 696.50	1,044.75
40 05 23 23-0740 EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,050.81 872.28	1,308.43
40 05 23 23-0741 EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,754.15 1,221.20	1,831.80
40 05 23 23-0742 EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,293.29 1,744.56	2,616.85
40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)		
40 05 23 23-0744 EA 1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	228.59 62.02	93.03
40 05 23 23-0745 EA 3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	275.64 76.13	114.21
40 05 23 23-0746 EA 1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	307.00 85.54	128.31
40 05 23 23-0747 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	352.51 97.55	146.32
40 05 23 23-0748 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	372.83 104.71	157.07
40 05 23 23-0749 EA 2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	405.13 114.21	171.30
40 05 23 23-0750 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	492.14 136.84	205.26
40 05 23 23-0751 EA 3", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	616.96 171.49	257.24
40 05 23 23-0752 EA 4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	708.10 192.47	288.71
40 05 23 23-0753 EA 6", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,035.43 256.63	384.93
40 05 23 23-0754 EA 8", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,598.72 348.91	523.36
40 05 23 23-0755 EA 10", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,492.00 523.37	785.05
40 05 23 23-0756 EA 12", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,205.51 654.21	981.31
40 05 23 23-0757 EA 14", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,109.46 786.18	1,179.27
40 05 23 23-0758 EA 16", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,855.50 959.05	1,438.58
40 05 23 23-0759 EA 18", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,171.66 1,221.20	1,831.80
40 05 23 23-0760 EA 20", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,319.36 1,606.84	2,410.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0761 EA 24", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	11,915.82 2,442.39	3,663.59
40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)		
40 05 23 23-0763 EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	214.19 51.82	77.72
40 05 23 23-0764 EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	255.05 63.50	95.24
40 05 23 23-0765 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	309.81 71.34	107.01
40 05 23 23-0766 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	320.60 81.33	121.99
40 05 23 23-0767 EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	340.81 87.39	131.08
40 05 23 23-0768 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	456.01 95.24	142.86
40 05 23 23-0769 EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	451.58 114.16	171.23
40 05 23 23-0770 EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	604.19 142.68	214.03
40 05 23 23-0771 EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	840.14 163.03	244.55
40 05 23 23-0772 EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,527.45 218.07	327.10
40 05 23 23-0773 EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,784.18 290.76	436.14
40 05 23 23-0774 EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,653.09 436.14	654.21
40 05 23 23-0775 EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,159.69 523.97	785.96
40 05 23 23-0776 EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,152.66 639.15	958.72
40 05 23 23-0777 EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,654.82 814.13	1,221.19
40 05 23 23-0778 EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	9,472.57 1,071.23	1,606.84
40 05 23 23-0779 EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	14,822.46 1,626.82	2,440.22
40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)		
40 05 23 23-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	170.89 47.12	70.68
40 05 23 23-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	188.20 51.35	77.02
40 05 23 23-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	209.84 56.92	85.39
40 05 23 23-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	220.93 62.04	93.06
40 05 23 23-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	240.91 68.51	102.76
40 05 23 23-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	315.53 85.61	128.42
40 05 23 23-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	366.35 97.46	146.20
40 05 23 23-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	405.17 114.21	171.30
40 05 23 23-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	555.69 145.40	218.09
40 05 23 23-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	803.10 209.35	314.03
40 05 23 23-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,037.55 261.69	392.53
40 05 23 23-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,388.01 348.91	523.36
40 05 23 23-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,962.44 457.95	686.93
40 05 23 23-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,275.95 521.88	782.81
40 05 23 23-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,820.24 654.21	981.31
40 05 23 23-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,954.81 872.28	1,308.43
40 05 23 23-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,765.53 1,308.43	1,962.64
40 05 23 23-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	195.88 47.12	70.68
40 05 23 23-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	217.87 51.35	77.02
40 05 23 23-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	245.03 56.92	85.39
40 05 23 23-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	262.08 62.04	93.06

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	266.30 68.51	102.76
40 05 23 23-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	350.62 85.61	128.42
40 05 23 23-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	402.35 97.46	146.20
40 05 23 23-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	453.99 114.21	171.30
40 05 23 23-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	639.59 145.40	218.09
40 05 23 23-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	984.92 209.35	314.03
40 05 23 23-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,350.68 261.69	392.53
40 05 23 23-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,712.93 348.91	523.36
40 05 23 23-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,578.62 457.95	686.93
40 05 23 23-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,020.69 521.88	782.81
40 05 23 23-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,745.52 654.21	981.31
40 05 23 23-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,434.63 872.28	1,308.43
40 05 23 23-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	7,522.93 1,308.43	1,962.64
40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)		
40 05 23 23-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	95.47 24.40	36.60
40 05 23 23-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	105.29 25.90	38.84
40 05 23 23-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	115.44 28.46	42.69
40 05 23 23-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	126.18 31.02	46.53
40 05 23 23-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	136.69 34.26	51.38
40 05 23 23-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	144.71 38.17	57.16
40 05 23 23-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	181.29 48.78	73.16
40 05 23 23-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	214.35 57.17	85.75
40 05 23 23-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	256.69 68.42	102.64
40 05 23 23-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	332.94 85.61	128.42
40 05 23 23-0826 EA 8", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	521.54 130.84	196.26
40 05 23 23-0827 EA 10", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	692.10 174.46	261.69
40 05 23 23-0828 EA 12", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,020.48 261.69	392.52
40 05 23 23-0829 EA 14", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,187.11 305.30	457.94
40 05 23 23-0830 EA 16", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,364.28 348.25	522.37
40 05 23 23-0831 EA 18", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,718.83 436.14	654.21
40 05 23 23-0832 EA 20", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,382.91 610.60	915.90
40 05 23 23-0833 EA 24", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,589.04 872.28	1,308.42
40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)		
40 05 23 23-0836 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	32.85 3.85	6.42
40 05 23 23-0837 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.88 4.71	7.85
40 05 23 23-0838 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.11 5.52	9.27
40 05 23 23-0839 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	61.39 6.90	11.42
40 05 23 23-0840 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	70.90 7.78	12.84
40 05 23 23-0841 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	91.19 9.64	16.41
40 05 23 23-0842 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	114.14 11.02	18.55



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0843 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	109.51 12.41	20.69
40 05 23 23-0844 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	186.77 14.68	24.25
40 05 23 23-0845 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	294.53 19.28	32.10
40 05 23 23-0846 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	505.76 33.31	51.56
40 05 23 23-0847 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	648.44 36.64	56.99
40 05 23 23-0848 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	815.51 40.71	63.09
40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows <small>(40 05 23 23-0834)</small>		
40 05 23 23-0850 EA 1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	171.32 48.79	73.19
40 05 23 23-0851 EA 3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.33 51.80	77.69
40 05 23 23-0852 EA 1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	199.70 56.92	85.39
40 05 23 23-0853 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	217.54 62.04	93.06
40 05 23 23-0854 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	239.94 68.51	102.76
40 05 23 23-0855 EA 2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	270.13 76.22	114.33
40 05 23 23-0856 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	358.27 97.55	146.32
40 05 23 23-0857 EA 3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	424.17 114.33	171.50
40 05 23 23-0858 EA 4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	535.22 136.84	205.26
40 05 23 23-0859 EA 6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	811.55 170.95	256.41
40 05 23 23-0860 EA 8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,326.71 261.69	392.53
40 05 23 23-0861 EA 10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,155.57 348.91	523.36
40 05 23 23-0862 EA 12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,076.98 523.37	785.05
40 05 23 23-0863 EA 14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,445.08 610.60	915.90
40 05 23 23-0864 EA 16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,173.56 696.50	1,044.75
40 05 23 23-0865 EA 18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,325.74 872.28	1,308.43
40 05 23 23-0866 EA 20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,200.06 1,221.20	1,831.80
40 05 23 23-0867 EA 24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	10,445.01 1,744.56	2,616.85
40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 23-0834)</small>		
40 05 23 23-0869 EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	174.53 48.79	73.19
40 05 23 23-0870 EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	184.54 51.80	77.69
40 05 23 23-0871 EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	201.63 56.92	85.39
40 05 23 23-0872 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	218.48 62.04	93.06
40 05 23 23-0873 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	241.87 68.51	102.76
40 05 23 23-0874 EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	270.13 76.22	114.33
40 05 23 23-0875 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	358.27 97.55	146.32
40 05 23 23-0876 EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	411.64 114.33	171.50
40 05 23 23-0877 EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	511.43 136.84	205.26
40 05 23 23-0878 EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	713.83 170.95	256.41
40 05 23 23-0879 EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,154.54 261.69	392.53
40 05 23 23-0880 EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,758.78 348.91	523.36
40 05 23 23-0881 EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,545.81 523.37	785.05
40 05 23 23-0882 EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,895.33 610.60	915.90

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0883 EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,271.64 696.50	1,044.75
40 05 23 23-0884 EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,202.91 872.28	1,308.43
40 05 23 23-0885 EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,718.94 1,221.20	1,831.80
40 05 23 23-0886 EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	8,467.02 1,744.56	2,616.85
40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)		
40 05 23 23-0888 EA 1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	230.52 62.02	93.03
40 05 23 23-0889 EA 3/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	277.57 76.13	114.21
40 05 23 23-0890 EA 1", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	308.93 85.54	128.31
40 05 23 23-0891 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	355.32 97.55	146.32
40 05 23 23-0892 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	372.83 104.71	157.07
40 05 23 23-0893 EA 2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	406.42 114.21	171.30
40 05 23 23-0894 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	503.60 136.84	205.26
40 05 23 23-0895 EA 3", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	623.07 171.49	257.24
40 05 23 23-0896 EA 4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	718.71 192.47	288.71
40 05 23 23-0897 EA 6", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,110.97 256.63	384.93
40 05 23 23-0898 EA 8", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,792.79 348.91	523.36
40 05 23 23-0899 EA 10", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,004.41 523.37	785.05
40 05 23 23-0900 EA 12", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,696.76 654.21	981.31
40 05 23 23-0901 EA 14", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,265.06 786.18	1,179.27
40 05 23 23-0902 EA 16", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,520.76 959.05	1,438.58
40 05 23 23-0903 EA 18", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	8,441.68 1,221.20	1,831.80
40 05 23 23-0904 EA 20", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	10,971.48 1,606.84	2,410.26
40 05 23 23-0905 EA 24", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	15,746.22 2,442.39	3,663.59
40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)		
40 05 23 23-0907 EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	220.29 51.82	77.72
40 05 23 23-0908 EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	259.22 63.50	95.24
40 05 23 23-0909 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	335.53 71.34	107.01
40 05 23 23-0910 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	330.57 81.33	121.99
40 05 23 23-0911 EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	340.81 87.39	131.08
40 05 23 23-0912 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	457.94 95.24	142.86
40 05 23 23-0913 EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	465.40 114.16	171.23
40 05 23 23-0914 EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	618.01 142.68	214.03
40 05 23 23-0915 EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	848.81 163.03	244.55
40 05 23 23-0916 EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,356.64 218.07	327.10
40 05 23 23-0917 EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,826.89 290.76	436.14
40 05 23 23-0918 EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,738.49 436.14	654.21
40 05 23 23-0919 EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,253.40 523.97	785.96
40 05 23 23-0920 EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,270.02 639.15	958.72
40 05 23 23-0921 EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,807.86 814.13	1,221.19
40 05 23 23-0922 EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	9,701.75 1,071.23	1,606.84
40 05 23 23-0923 EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	15,187.47 1,626.82	2,440.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0834)</small>						
40 05 23 23-0925	EA			3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	176.04 47.12	70.68
40 05 23 23-0926	EA			1", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	193.34 51.35	77.02
40 05 23 23-0927	EA			1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	212.18 56.92	85.39
40 05 23 23-0928	EA			1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	226.72 62.04	93.06
40 05 23 23-0929	EA			2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	244.44 68.51	102.76
40 05 23 23-0930	EA			2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	326.84 85.61	128.42
40 05 23 23-0931	EA			3", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	353.81 97.46	146.20
40 05 23 23-0932	EA			4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	409.63 114.21	171.30
40 05 23 23-0933	EA			6", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	557.94 145.40	218.09
40 05 23 23-0934	EA			8", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	870.37 209.35	314.03
40 05 23 23-0935	EA			10", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,164.26 261.69	392.53
40 05 23 23-0936	EA			12", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,478.96 348.91	523.36
40 05 23 23-0937	EA			14", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,135.69 457.95	686.93
40 05 23 23-0938	EA			16", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,460.33 521.88	782.81
40 05 23 23-0939	EA			18", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,280.79 654.21	981.31
40 05 23 23-0940	EA			20", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,447.45 872.28	1,308.43
40 05 23 23-0941	EA			24", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	6,387.60 1,308.43	1,962.64
40 05 23 23-0942	EA			3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	212.36 47.12	70.68
40 05 23 23-0943	EA			1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	226.45 51.35	77.02
40 05 23 23-0944	EA			1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	261.74 56.92	85.39
40 05 23 23-0945	EA			1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	272.04 62.04	93.06
40 05 23 23-0946	EA			2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	292.66 68.51	102.76
40 05 23 23-0947	EA			2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	350.62 85.61	128.42
40 05 23 23-0948	EA			3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	446.71 97.46	146.20
40 05 23 23-0949	EA			4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	489.35 114.21	171.30
40 05 23 23-0950	EA			6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	688.77 145.40	218.09
40 05 23 23-0951	EA			8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	968.27 209.35	314.03
40 05 23 23-0952	EA			10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,379.49 261.69	392.53
40 05 23 23-0953	EA			12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,909.44 348.91	523.36
40 05 23 23-0954	EA			14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,858.93 457.95	686.93
40 05 23 23-0955	EA			16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,292.94 521.88	782.81
40 05 23 23-0956	EA			18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,418.98 654.21	981.31
40 05 23 23-0957	EA			20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,685.79 872.28	1,308.43
40 05 23 23-0958	EA			24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	8,524.07 1,308.43	1,962.64
40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps <small>(40 05 23 23-0834)</small>						
40 05 23 23-0960	EA			1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	96.12 24.40	36.60
40 05 23 23-0961	EA			3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	104.96 25.90	38.84
40 05 23 23-0962	EA			1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	116.09 28.46	42.69
40 05 23 23-0963	EA			1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	132.14 31.02	46.53
40 05 23 23-0964	EA			1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	131.87 34.26	51.38

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0965 EA 2", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	149.21 38.11	57.16
40 05 23 23-0966 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	187.14 48.78	73.16
40 05 23 23-0967 EA 3", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	215.31 57.17	85.75
40 05 23 23-0968 EA 4", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	263.76 68.42	102.64
40 05 23 23-0969 EA 6", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	362.52 85.61	128.42
40 05 23 23-0970 EA 8", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	577.09 130.84	196.26
40 05 23 23-0971 EA 10", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	773.85 174.46	261.69
40 05 23 23-0972 EA 12", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,154.18 261.69	392.52
40 05 23 23-0973 EA 14", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,316.67 305.30	457.94
40 05 23 23-0974 EA 16", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,480.34 348.25	522.37
40 05 23 23-0975 EA 18", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,888.76 436.14	654.21
40 05 23 23-0976 EA 20", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,596.84 610.60	915.90
40 05 23 23-0977 EA 24", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	4,005.66 872.28	1,308.42
40 05 23 23-0978 Valves <small>(40 05 23 23-0231)</small>		
40 05 23 23-0979 Gate Valves, Class 150 <small>(40 05 23 23-0978)</small>		
40 05 23 23-0980 EA 1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	724.77 27.57 -169.29 594.90	73.52
40 05 23 23-0981 EA 3/4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	788.46 32.17 -182.23 640.36	76.59
40 05 23 23-0982 EA 1" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	973.37 43.35 -221.72 779.13	114.88
40 05 23 23-0983 EA 1-1/4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,225.18 49.95 -283.20 995.16	134.04
40 05 23 23-0984 EA 1-1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,384.47 63.27 -313.93 1,103.16	168.72
40 05 23 23-0985 EA 2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,644.13 76.59 -371.51 1,305.50	204.19
40 05 23 23-0986 EA 2-1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,350.53 83.55 1,947.70	222.11
40 05 23 23-0987 EA 3" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,649.01 97.77 2,183.71	260.40
40 05 23 23-0988 EA 4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,518.86 164.12 2,793.49	436.55
40 05 23 23-0989 EA 6" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	5,857.47 207.53 4,855.76	551.44
40 05 23 23-0990 EA 8" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,696.46 262.59 11,111.89	704.62
40 05 23 23-0991 EA 10" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	17,872.50 321.68 15,792.24	857.79
40 05 23 23-0992 EA 12" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	26,867.64 389.91 24,033.86	1,041.61
40 05 23 23-0993 Globe Valves, Class 150 <small>(40 05 23 23-0978)</small>		
40 05 23 23-0994 EA 1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	985.92 27.57 -239.15 840.38	73.52



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Stainless Steel Process Pipe and Tubing	40 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0995 EA 3/4" Globe Valve, Stainless Steel, Flanged	1,091.94	76.59
For Work In Restricted Working Space, Add	32.17	
For Class 200, Deduct	-263.41	
For Class 300, Add	925.63	
40 05 23 23-0996 EA 1" Globe Valve, Stainless Steel, Flanged	1,362.44	114.88
For Work In Restricted Working Space, Add	43.35	
For Class 200, Deduct	-325.80	
For Class 300, Add	1,144.85	
40 05 23 23-0997 EA 1-1/2" Globe Valve, Stainless Steel, Flanged	2,024.84	168.72
For Work In Restricted Working Space, Add	63.27	
For Class 200, Deduct	-485.23	
For Class 300, Add	1,705.10	
40 05 23 23-0998 EA 2" Globe Valve, Stainless Steel, Flanged	2,470.91	204.19
For Work In Restricted Working Space, Add	76.59	
For Class 200, Deduct	-592.68	
For Class 300, Add	2,082.67	
40 05 23 23-0999 EA 2-1/2" Globe Valve, Stainless Steel, Flanged	4,942.96	222.11
For Work In Restricted Working Space, Add	83.55	
For Class 300, Add	4,384.58	
40 05 23 23-1000 EA 3" Globe Valve, Stainless Steel, Flanged	5,119.93	260.40
For Work In Restricted Working Space, Add	97.77	
For Class 300, Add	4,506.38	
40 05 23 23-1001 EA 4" Globe Valve, Stainless Steel, Flanged	6,118.47	436.55
For Work In Restricted Working Space, Add	164.12	
For Class 300, Add	5,237.13	
40 05 23 23-1002 EA 6" Globe Valve, Stainless Steel, Flanged	11,251.54	551.44
For Work In Restricted Working Space, Add	207.53	
For Class 300, Add	9,926.18	
40 05 23 23-1003 Check Valves, Class 150 (40 05 23 23-0978)		
40 05 23 23-1004 EA 2-1/2" Check Valve, Stainless Steel, Flanged	2,251.10	222.11
For Work In Restricted Working Space, Add	83.55	
For Class 300, Add	1,854.23	
40 05 23 23-1005 EA 3" Check Valve, Stainless Steel, Flanged	2,360.01	260.40
For Work In Restricted Working Space, Add	97.77	
For Class 300, Add	1,912.05	
40 05 23 23-1006 EA 4" Check Valve, Stainless Steel, Flanged	3,712.72	436.55
For Work In Restricted Working Space, Add	164.12	
For Class 300, Add	2,975.72	
40 05 23 23-1007 EA 6" Check Valve, Stainless Steel, Flanged	6,349.55	551.44
For Work In Restricted Working Space, Add	207.53	
For Class 300, Add	5,318.31	
40 05 23 23-1008 EA 8" Check Valve, Stainless Steel, Flanged	11,113.17	704.62
For Work In Restricted Working Space, Add	262.59	
For Class 300, Add	9,623.60	
40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings (40 05 23 23-0231)		
40 05 23 23-1010 EA 1/2", Stainless Steel Thread-o-let Fitting	114.36	44.46
For Work In Restricted Working Space, Add	29.65	
40 05 23 23-1011 EA 3/4", Stainless Steel Thread-o-let Fitting	151.17	59.30
For Work In Restricted Working Space, Add	39.53	
40 05 23 23-1012 EA 1", Stainless Steel Thread-o-let Fitting	186.51	73.52
For Work In Restricted Working Space, Add	49.02	
40 05 23 23-1013 EA 1-1/4", Stainless Steel Thread-o-let Fitting	267.07	104.04
For Work In Restricted Working Space, Add	69.36	
40 05 23 23-1014 EA 1-1/2", Stainless Steel Thread-o-let Fitting	296.58	117.33
For Work In Restricted Working Space, Add	78.22	
40 05 23 23-1015 EA 2", Stainless Steel Thread-o-let Fitting	372.04	149.04
For Work In Restricted Working Space, Add	99.36	
40 05 23 23-1016 EA 2-1/2", Stainless Steel Thread-o-let Fitting	647.55	229.77
For Work In Restricted Working Space, Add	153.18	
40 05 23 23-1017 EA 3", Stainless Steel Thread-o-let Fitting	860.62	293.32
For Work In Restricted Working Space, Add	195.55	
40 05 23 23-1018 EA 4", Stainless Steel Thread-o-let Fitting	1,125.81	367.63
For Work In Restricted Working Space, Add	245.09	
40 05 23 23-1019 Stainless Steel Flanges (40 05 23 23-0231)		
40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	96.32	24.71
For Work In Restricted Working Space, Add	14.82	
40 05 23 23-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	118.00	32.95
For Work In Restricted Working Space, Add	19.76	
40 05 23 23-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	140.08	40.85
For Work In Restricted Working Space, Add	24.51	
40 05 23 23-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	189.62	57.81
For Work In Restricted Working Space, Add	34.68	
40 05 23 23-1025 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	204.39	65.18
For Work In Restricted Working Space, Add	39.11	
40 05 23 23-1026 EA 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	262.58	82.79
For Work In Restricted Working Space, Add	49.68	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1027 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	390.82 76.59	127.60
40 05 23 23-1028 EA 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	467.69 97.77	260.40
40 05 23 23-1029 EA 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	602.39 122.54	204.19
40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1031 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	123.43 14.82	24.71
40 05 23 23-1032 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	139.90 19.76	32.95
40 05 23 23-1033 EA 1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	155.71 24.51	40.85
40 05 23 23-1034 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	229.27 34.68	57.81
40 05 23 23-1035 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	244.04 39.11	65.18
40 05 23 23-1036 EA 2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	303.23 49.68	82.79
40 05 23 23-1037 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	481.53 76.59	127.60
40 05 23 23-1038 EA 3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	560.46 97.77	260.40
40 05 23 23-1039 EA 4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	745.22 122.54	204.19
40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1041 EA 1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	128.24 24.40	36.59
40 05 23 23-1042 EA 3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	138.44 25.90	38.84
40 05 23 23-1043 EA 1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	155.32 28.46	42.69
40 05 23 23-1044 EA 1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	190.05 31.05	46.56
40 05 23 23-1045 EA 1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	200.63 34.22	51.32
40 05 23 23-1046 EA 2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	222.99 38.12	57.18
40 05 23 23-1047 EA 2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	307.41 48.74	73.11
40 05 23 23-1048 EA 3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	348.69 57.07	85.60
40 05 23 23-1049 EA 4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	448.94 68.38	102.57
40 05 23 23-1050 EA 6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	666.33 85.43	128.14
40 05 23 23-1051 EA 8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,082.46 130.84	196.26
40 05 23 23-1052 EA 10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,535.37 174.46	261.68
40 05 23 23-1053 EA 12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,360.90 261.69	392.52
40 05 23 23-1054 EA 14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,952.12 305.30	457.94
40 05 23 23-1055 EA 16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,685.17 348.25	522.37
40 05 23 23-1056 EA 18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,520.33 436.14	654.21
40 05 23 23-1057 EA 20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,855.75 610.60	915.90
40 05 23 23-1058 EA 24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,321.50 872.28	1,308.42
40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1060 EA 1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	160.57 24.40	36.59
40 05 23 23-1061 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	165.56 25.90	38.84
40 05 23 23-1062 EA 1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	174.12 28.46	42.69
40 05 23 23-1063 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	226.48 31.05	46.56
40 05 23 23-1064 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	237.06 34.22	51.32
40 05 23 23-1065 EA 2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	254.26 38.12	57.18
40 05 23 23-1066 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	361.59 48.74	73.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1067	EA		3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	409.14 57.07	85.60
40 05 23 23-1068	EA		4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	590.67 68.38	102.57
40 05 23 23-1069	EA		6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	826.86 85.43	128.14
40 05 23 23-1070	EA		8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,482.76 130.84	196.26
40 05 23 23-1071	EA		10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,063.91 174.46	261.68
40 05 23 23-1072	EA		12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,032.28 261.69	392.52
40 05 23 23-1073	EA		14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,013.44 305.30	457.94
40 05 23 23-1074	EA		16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,954.37 348.25	522.37
40 05 23 23-1075	EA		18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,327.65 436.14	654.21
40 05 23 23-1076	EA		20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,168.13 610.60	915.90
40 05 23 23-1077	EA		24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	11,892.84 872.28	1,308.42
40 05 23 23-1078			150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1079	EA		1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	204.34 48.79	73.18
40 05 23 23-1080	EA		3/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	215.40 51.80	77.67
40 05 23 23-1081	EA		1", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	236.66 56.93	85.39
40 05 23 23-1082	EA		1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	270.56 62.09	93.13
40 05 23 23-1083	EA		1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	291.72 68.44	102.65
40 05 23 23-1084	EA		2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	336.51 76.23	114.35
40 05 23 23-1085	EA		2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	440.68 97.49	146.23
40 05 23 23-1086	EA		3", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	504.54 114.14	171.19
40 05 23 23-1087	EA		4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	624.76 136.76	205.13
40 05 23 23-1088	EA		6", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	827.06 170.87	256.29
40 05 23 23-1089	EA		8", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,359.14 261.69	392.52
40 05 23 23-1090	EA		10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,918.82 348.91	523.36
40 05 23 23-1091	EA		12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,861.04 523.37	785.04
40 05 23 23-1092			300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1093	EA		1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	225.19 48.79	73.18
40 05 23 23-1094	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	235.20 51.80	77.67
40 05 23 23-1095	EA		1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	252.30 56.93	85.39
40 05 23 23-1096	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	302.89 62.09	93.13
40 05 23 23-1097	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	324.05 68.44	102.65
40 05 23 23-1098	EA		2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	358.36 76.23	114.35
40 05 23 23-1099	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	522.03 97.49	146.23
40 05 23 23-1100	EA		3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	585.83 114.14	171.19
40 05 23 23-1101	EA		4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	737.32 136.76	205.13
40 05 23 23-1102	EA		6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,145.01 170.87	256.29
40 05 23 23-1103	EA		8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,680.19 261.69	392.52
40 05 23 23-1104	EA		10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,435.89 348.91	523.36
40 05 23 23-1105	EA		12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	3,526.16 523.37	785.04
40 05 23 23-1106			150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1107 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	77.03 9.76	14.62
40 05 23 23-1108 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	80.39 10.36	15.52
40 05 23 23-1109 EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	86.97 11.39	17.07
40 05 23 23-1110 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	112.11 12.67	19.00
40 05 23 23-1111 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	126.94 17.12	25.69
40 05 23 23-1112 EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	149.91 19.01	28.51
40 05 23 23-1113 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	204.46 24.44	36.66
40 05 23 23-1114 EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	249.67 34.25	51.36
40 05 23 23-1115 EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	379.95 57.06	85.58
40 05 23 23-1116 EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	521.86 73.37	110.06
40 05 23 23-1117 EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	779.08 81.41	122.12
40 05 23 23-1118 EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,207.58 97.70	146.54
40 05 23 23-1119 EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,600.67 122.12	183.18
40 05 23 23-1120 EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,035.74 152.65	228.97
40 05 23 23-1121 EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,634.61 174.13	261.18
40 05 23 23-1122 EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,110.65 218.07	327.10
40 05 23 23-1123 EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,126.41 305.30	457.94
40 05 23 23-1124 EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,012.57 436.14	654.21
40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1126 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	98.25 9.76	14.62
40 05 23 23-1127 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	100.24 10.36	15.52
40 05 23 23-1128 EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	103.66 11.39	17.07
40 05 23 23-1129 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	131.90 12.67	19.00
40 05 23 23-1130 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	146.73 17.12	25.69
40 05 23 23-1131 EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	160.33 19.01	28.51
40 05 23 23-1132 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	277.43 24.44	36.66
40 05 23 23-1133 EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	317.96 34.25	51.36
40 05 23 23-1134 EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	465.40 57.06	85.58
40 05 23 23-1135 EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	874.19 73.37	110.06
40 05 23 23-1136 EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,200.22 81.41	122.12
40 05 23 23-1137 EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,720.44 97.70	146.54
40 05 23 23-1138 EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,387.73 122.12	183.18
40 05 23 23-1139 EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,348.46 152.65	228.97
40 05 23 23-1140 EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,291.97 174.13	261.18
40 05 23 23-1141 EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,604.95 218.07	327.10
40 05 23 23-1142 EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	7,085.76 305.30	457.94
40 05 23 23-1143 EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	10,879.97 436.14	654.21
40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1145 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	115.12 14.82	24.71
40 05 23 23-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	142.01 19.76	32.95
40 05 23 23-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	162.98 24.51	40.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1148 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	224.00 34.68	57.81
40 05 23 23-1149 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	238.77 39.11	65.18
40 05 23 23-1150 EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	300.12 49.68	82.79
40 05 23 23-1151 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	445.05 76.59	127.60
40 05 23 23-1152 EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	537.56 97.77	260.40
40 05 23 23-1153 EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	700.37 122.54	204.19
40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1155 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	150.55 14.82	24.71
40 05 23 23-1156 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	167.02 19.76	32.95
40 05 23 23-1157 EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	182.83 24.51	40.85
40 05 23 23-1158 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	281.39 34.68	57.81
40 05 23 23-1159 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	296.16 39.11	65.18
40 05 23 23-1160 EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	349.08 49.68	82.79
40 05 23 23-1161 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	584.73 76.59	127.60
40 05 23 23-1162 EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	665.76 97.77	260.40
40 05 23 23-1163 EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	913.02 122.54	204.19
40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1165 EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	152.20 24.40	36.59
40 05 23 23-1166 EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	162.45 25.90	38.84
40 05 23 23-1167 EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	182.44 28.46	42.69
40 05 23 23-1168 EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	225.48 31.05	46.56
40 05 23 23-1169 EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	236.06 34.22	51.32
40 05 23 23-1170 EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	259.47 38.12	57.18
40 05 23 23-1171 EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	368.86 48.74	73.11
40 05 23 23-1172 EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	403.92 57.07	85.60
40 05 23 23-1173 EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	542.76 68.38	102.57
40 05 23 23-1174 EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	828.96 85.43	128.14
40 05 23 23-1175 EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,333.71 130.84	196.26
40 05 23 23-1176 EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,954.46 174.46	261.68
40 05 23 23-1177 EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,914.50 261.69	392.52
40 05 23 23-1178 EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,410.62 305.30	457.94
40 05 23 23-1179 EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,283.47 348.25	522.37
40 05 23 23-1180 EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,247.15 436.14	654.21
40 05 23 23-1181 EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,761.25 610.60	915.90
40 05 23 23-1182 EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	9,604.68 872.28	1,308.42
40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1184 EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	191.84 24.40	36.59
40 05 23 23-1185 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	196.83 25.90	38.84
40 05 23 23-1186 EA 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	205.39 28.46	42.69
40 05 23 23-1187 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	269.28 31.05	46.56

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1188 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	279.86 34.22	51.32
40 05 23 23-1189 EA 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	306.38 38.12	57.18
40 05 23 23-1190 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	451.25 48.74	73.11
40 05 23 23-1191 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	493.59 57.07	85.60
40 05 23 23-1192 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	747.04 68.38	102.57
40 05 23 23-1193 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,213.62 85.43	128.14
40 05 23 23-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,877.89 130.84	196.26
40 05 23 23-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,703.97 174.46	261.68
40 05 23 23-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,972.54 261.69	392.52
40 05 23 23-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,381.02 305.30	457.94
40 05 23 23-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,686.14 348.25	522.37
40 05 23 23-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,552.58 436.14	654.21
40 05 23 23-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	10,967.79 610.60	915.90
40 05 23 23-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	15,994.65 872.28	1,308.42
40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	216.87 48.79	73.18
40 05 23 23-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	234.20 51.80	77.67
40 05 23 23-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	258.19 56.93	85.39
40 05 23 23-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	349.11 62.09	93.13
40 05 23 23-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	316.73 68.44	102.65
40 05 23 23-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	342.72 76.23	114.35
40 05 23 23-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	436.52 97.49	146.23
40 05 23 23-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	539.98 114.14	171.19
40 05 23 23-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	699.78 136.76	205.13
40 05 23 23-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	938.57 170.87	256.29
40 05 23 23-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,589.48 261.69	392.52
40 05 23 23-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,233.66 348.91	523.36
40 05 23 23-1215 EA 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	3,282.18 523.37	785.04
40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1217 EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	246.04 48.79	73.18
40 05 23 23-1218 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	256.05 51.80	77.67
40 05 23 23-1219 EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	273.15 56.93	85.39
40 05 23 23-1220 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	343.53 62.09	93.13
40 05 23 23-1221 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	364.69 68.44	102.65
40 05 23 23-1222 EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	396.79 76.23	114.35
40 05 23 23-1223 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	612.69 97.49	146.23
40 05 23 23-1224 EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	678.60 114.14	171.19
40 05 23 23-1225 EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	881.16 136.76	205.13
40 05 23 23-1226 EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,354.55 170.87	256.29
40 05 23 23-1227 EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,896.00 261.69	392.52
40 05 23 23-1228 EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	3,138.49 348.91	523.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1229 EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	4,145.37 523.37	785.04
40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1231 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	86.77 9.76	14.62
40 05 23 23-1232 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	98.13 10.36	15.52
40 05 23 23-1233 EA 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	110.92 11.39	17.07
40 05 23 23-1234 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	130.85 12.67	19.00
40 05 23 23-1235 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	145.68 17.12	25.69
40 05 23 23-1236 EA 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	181.18 19.01	28.51
40 05 23 23-1237 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	253.48 24.44	36.66
40 05 23 23-1238 EA 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	303.90 34.25	51.36
40 05 23 23-1239 EA 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	471.66 57.06	85.58
40 05 23 23-1240 EA 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	668.86 73.37	110.06
40 05 23 23-1241 EA 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,130.35 81.41	122.12
40 05 23 23-1242 EA 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,484.88 97.70	146.54
40 05 23 23-1243 EA 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,400.26 122.12	183.18
40 05 23 23-1244 EA 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,854.37 152.65	228.97
40 05 23 23-1245 EA 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,735.94 174.13	261.18
40 05 23 23-1246 EA 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,388.66 218.07	327.10
40 05 23 23-1247 EA 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,793.13 305.30	457.94
40 05 23 23-1248 EA 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	8,456.70 436.14	654.21
40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1250 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	133.68 9.76	14.62
40 05 23 23-1251 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	135.67 10.36	15.52
40 05 23 23-1252 EA 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	139.09 11.39	17.07
40 05 23 23-1253 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	208.03 12.67	19.00
40 05 23 23-1254 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	222.86 17.12	25.69
40 05 23 23-1255 EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	246.83 19.01	28.51
40 05 23 23-1256 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	410.90 24.44	36.66
40 05 23 23-1257 EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	454.00 34.25	51.36
40 05 23 23-1258 EA 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	694.74 57.06	85.58
40 05 23 23-1259 EA 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,265.17 73.37	110.06
40 05 23 23-1260 EA 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,604.72 81.41	122.12
40 05 23 23-1261 EA 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,896.36 97.70	146.54
40 05 23 23-1262 EA 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,531.32 122.12	183.18
40 05 23 23-1263 EA 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,104.96 152.65	228.97
40 05 23 23-1264 EA 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,587.80 174.13	261.18
40 05 23 23-1265 EA 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	8,622.33 218.07	327.10
40 05 23 23-1266 EA 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	10,839.27 305.30	457.94
40 05 23 23-1267 EA 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	16,710.66 436.14	654.21
40 05 23 23-1268 Type 316 Seamless Annealed Tubing (40 05 23 23)		
Note: For high pressure air (8000 PSIG working pressure).		

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	-----	-----	-------------	------------------------	----------------------

40 05 23 23-1269			Type 316 Seamless Annealed Tubing (40 05 23 23-1268)		
40 05 23 23-1270	LF		3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	28.16	
40 05 23 23-1271	LF		1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	34.97	
40 05 23 23-1272	LF		3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	42.25	

40 05 23 23-1273			Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268)		
Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.					
40 05 23 23-1274	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	92.99	
40 05 23 23-1275	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	102.08	
40 05 23 23-1276	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	156.81	
40 05 23 23-1277	EA		3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	76.42	
40 05 23 23-1278	EA		3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	126.27	
40 05 23 23-1279	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	97.39	
40 05 23 23-1280	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	117.63	
40 05 23 23-1281	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	180.89	
40 05 23 23-1282	EA		1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	114.49	
40 05 23 23-1283	EA		1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	177.90	
40 05 23 23-1284	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	114.42	
40 05 23 23-1285	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	146.61	
40 05 23 23-1286	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	241.05	
40 05 23 23-1287	EA		3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	198.01	
40 05 23 23-1288	EA		3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	244.85	

40 05 23 23-1289			Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1268)		
40 05 23 23-1290			Needle Valves (40 05 23 23-1289)		
40 05 23 23-1291	EA		3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	431.74	
40 05 23 23-1292	EA		1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	681.71	

40 05 23 23-1293			Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1289)		
40 05 23 23-1294	EA		1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	413.03	

40 05 23 23-1295			Other Valves Working Pressure 6,000 PSI (40 05 23 23-1289)		
40 05 23 23-1296	EA		1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,690.33	
40 05 23 23-1297	EA		1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	429.34	
40 05 23 23-1298	EA		Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	86.23	

40 05 41 Glass Process Pipe (40 05)

40 05 41 00-0001			Glass Pressure Pipe (40 05 41)		
40 05 41 00-0002			Glass Pipe, Beaded Joints (40 05 41 00-0001)		
40 05 41 00-0003	LF		1/2" Glass Pipe, Pressure	58.85	21.15
<i>For Work In Restricted Working Space, Add</i>				12.69	
40 05 41 00-0004	LF		3/4" Glass Pipe, Pressure	70.63	25.38
<i>For Work In Restricted Working Space, Add</i>				15.23	
40 05 41 00-0005	LF		1" Glass Pipe, Pressure	82.23	28.20
<i>For Work In Restricted Working Space, Add</i>				16.92	
40 05 41 00-0006	LF		1-1/2" Glass Pipe, Pressure	108.51	38.06
<i>For Work In Restricted Working Space, Add</i>				22.84	
40 05 41 00-0007	LF		2" Glass Pipe, Pressure	133.07	45.11
<i>For Work In Restricted Working Space, Add</i>				27.07	
40 05 41 00-0008	LF		3" Glass Pipe, Pressure	165.50	52.16
<i>For Work In Restricted Working Space, Add</i>				31.30	
40 05 41 00-0009	LF		4" Glass Pipe, Pressure	226.67	70.49
<i>For Work In Restricted Working Space, Add</i>				42.29	
40 05 41 00-0010	LF		6" Glass Pipe, Pressure	322.89	84.59
<i>For Work In Restricted Working Space, Add</i>				50.75	
40 05 41 00-0011			Glass 90 Degree Elbows (40 05 41 00-0001)		
40 05 41 00-0012	EA		1/2" 90 Degree Elbow, Glass, Pressure	264.26	112.79
<i>For Work In Restricted Working Space, Add</i>				67.67	
40 05 41 00-0013	EA		3/4" 90 Degree Elbow, Glass, Pressure	285.25	119.83
<i>For Work In Restricted Working Space, Add</i>				71.90	
40 05 41 00-0014	EA		1" 90 Degree Elbow, Glass, Pressure	313.42	126.88
<i>For Work In Restricted Working Space, Add</i>				76.13	
40 05 41 00-0015	EA		1-1/2" 90 Degree Elbow, Glass, Pressure	345.56	140.98
<i>For Work In Restricted Working Space, Add</i>				84.59	
40 05 41 00-0016	EA		2" 90 Degree Elbow, Glass, Pressure	394.99	155.08
<i>For Work In Restricted Working Space, Add</i>				93.05	
40 05 41 00-0017	EA		3" 90 Degree Elbow, Glass, Pressure	501.68	183.28
<i>For Work In Restricted Working Space, Add</i>				109.96	
40 05 41 00-0018	EA		4" 90 Degree Elbow, Glass, Pressure	582.84	197.37
<i>For Work In Restricted Working Space, Add</i>				118.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0019 EA 6" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	941.45 135.35	225.57
40 05 41 00-0020 Glass 45 Degree Elbows <small>(40 05 41 00-0001)</small>		
40 05 41 00-0021 EA 1/2" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	262.71 67.67	112.79
40 05 41 00-0022 EA 3/4" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	283.44 71.90	119.83
40 05 41 00-0023 EA 1" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	311.01 76.13	126.88
40 05 41 00-0024 EA 1-1/2" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	343.02 84.59	140.98
40 05 41 00-0025 EA 2" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	391.53 93.04	155.08
40 05 41 00-0026 EA 3" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	496.31 109.97	183.28
40 05 41 00-0027 EA 4" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	575.31 118.40	197.37
40 05 41 00-0028 EA 6" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	921.66 135.30	225.57
40 05 41 00-0029 Glass Tees <small>(40 05 41 00-0001)</small>		
40 05 41 00-0030 EA 1/2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	404.66 101.52	169.18
40 05 41 00-0031 EA 3/4" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	433.70 109.97	183.28
40 05 41 00-0032 EA 1" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	468.88 118.40	197.37
40 05 41 00-0033 EA 1-1/2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	531.51 126.86	211.47
40 05 41 00-0034 EA 2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	592.49 139.58	232.62
40 05 41 00-0035 EA 3" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	720.29 169.18	281.96
40 05 41 00-0036 EA 4" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	854.23 177.56	295.92
40 05 41 00-0037 EA 6" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	1,134.97 202.95	338.22
40 05 41 00-0038 Glass Couplings, Vitron Liner <small>(40 05 41 00-0001)</small>		
40 05 41 00-0039 EA 1/2" Coupling, Vitron Liner, Glass.....	55.65	
40 05 41 00-0040 EA 3/4" Coupling, Vitron Liner, Glass.....	63.60	
40 05 41 00-0041 EA 1" Coupling, Vitron Liner, Glass.....	74.20	
40 05 41 00-0042 EA 1-1/2" Coupling, Vitron Liner, Glass.....	84.81	
40 05 41 00-0043 EA 2" Coupling, Vitron Liner, Glass.....	102.03	
40 05 41 00-0044 EA 3" Coupling, Vitron Liner, Glass.....	186.84	
40 05 41 00-0045 EA 4" Coupling, Vitron Liner, Glass.....	225.26	
40 05 41 00-0046 EA 6" Coupling, Vitron Liner, Glass.....	450.53	

END OF SECTION 40

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 41 Glass Process Pipe



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
-------	---------------------	------------------------	----------------------

41 Material Processing and Handling Equipment
41 01 Operation and Maintenance of Material Processing and Handling Equipment ⁽⁴¹⁾

41 01 20 Operation and Maintenance of Piece Material Handling Equipment ^(41 01)

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes ^(41 01 20)

41 01 20 13-0001 Maintenance ^(41 01 20 13)

41 01 20 13-0002	EA	Regular Inspection.....	440.69
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	131.90
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	919.97

41 20 Piece Material Handling Equipment ⁽⁴¹⁾

41 22 Cranes and Hoists ^(41 20)

41 22 23 Hoists ^(41 22)

41 22 23 13 Fixed Hoists ^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists ^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist	6,966.31		410.39
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist	7,047.12		410.39
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist	8,490.19		410.39
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist	10,722.85		547.19
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	13,534.36		683.98
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	15,938.01		1,005.19
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	18,403.88		1,214.07
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	20,620.22		1,214.07

41 22 23 13-0010 Electric Hoists ^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists ^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	3,277.32		396.71
		<i>For DC Electrical Operated, Add</i>	620.37		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	3,413.55		396.71
		<i>For DC Electrical Operated, Add</i>	653.89		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,758.18		396.71
		<i>For DC Electrical Operated, Add</i>	736.78		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	5,584.69		410.39
		<i>For DC Electrical Operated, Add</i>	1,184.74		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	4,839.99		410.39
		<i>For DC Electrical Operated, Add</i>	996.13		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	6,851.25		424.07
		<i>For DC Electrical Operated, Add</i>	1,487.93		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	6,246.95		465.11
		<i>For DC Electrical Operated, Add</i>	1,298.58		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	7,678.06		574.54
		<i>For DC Electrical Operated, Add</i>	1,649.65		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	9,014.65		583.97
		<i>For DC Electrical Operated, Add</i>	2,001.10		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	14,433.18		609.36
		<i>For DC Electrical Operated, Add</i>	3,303.35		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	17,259.20		634.75
		<i>For DC Electrical Operated, Add</i>	3,996.66		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	23,804.45		660.14
		<i>For DC Electrical Operated, Add</i>	5,619.42		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	30,424.53		723.62
		<i>For DC Electrical Operated, Add</i>	7,242.55		
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50		

41 Material Processing and Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes and Hoists**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025 Hand Chain Hoists <small>(41 22 23 13)</small>		
41 22 23 13-0026 EA 1,000 LB Capacity, Hand Chain Hoist	1,815.10	165.59
41 22 23 13-0027 EA 2,000 LB Capacity, Hand Chain Hoist	2,137.40	167.86
41 22 23 13-0028 EA 3,000 LB Capacity, Hand Chain Hoist	2,867.34	175.80
41 22 23 13-0029 EA 4,000 LB Capacity, Hand Chain Hoist	3,226.51	178.07
41 22 23 13-0030 EA 5,000 LB Capacity, Hand Chain Hoist	3,892.63	187.14
41 22 23 13-0031 EA 6,000 LB Capacity, Hand Chain Hoist	4,359.78	218.89
41 22 23 13-0032 EA 10,000 LB Capacity, Hand Chain Hoist.....	6,041.77	225.71
41 22 23 13-0033 EA 16,000 LB Capacity, Hand Chain Hoist.....	7,888.83	272.21
41 22 23 13-0034 EA 20,000 LB Capacity, Hand Chain Hoist.....	9,633.84	284.68
41 22 23 13-0035 EA 30,000 LB Capacity, Hand Chain Hoist.....	16,971.55	325.51

END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI..... 4,877.24

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing..... 4,025.12

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 42 Pressurized Tanks And Vessels ^(43 40)

43 42 41 Metallic Specialty Pressure Tanks ^(43 42)

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 42 41)

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank.....	2,135.61	135.24
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank.....	3,951.15	202.86
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank.....	5,658.50	216.38

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 42 Pressurized Tanks And Vessels

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

This Page Intentionally Left Blank



gordian.com | 855.467.9444

30 Patewood Drive
Building 2, Suite 350
Greenville, South Carolina 29615